

L:\Clients\746 County of Yolo\14-16-01 North Davis Meadows\CAD\Production\74614-16-01-G01-G02.dwg 4/25/2018 11:43 AM jriedel

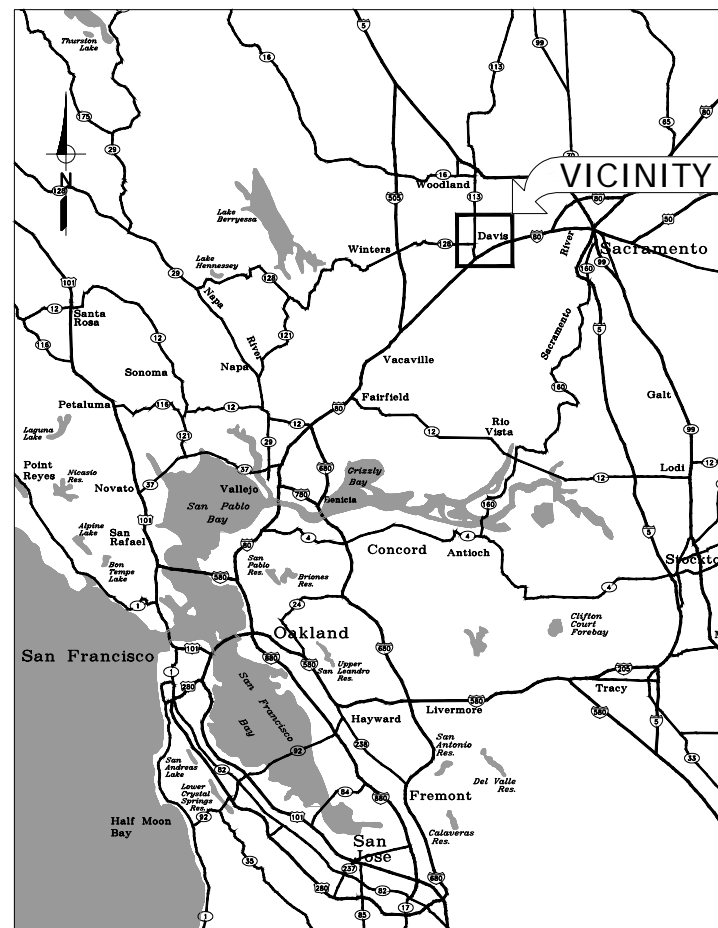
LEGEND

PROPOSED	EXISTING	
		STORM DRAIN
		SANITARY SEWER AND MANHOLE
		FIRE HYDRANT AND VALVE ASSEMBLY
		BUTTERFLY VALVE
		WATER MAIN, VALVE, WATER METER, AIR RELEASE VALVE & BLOWOFF VALVE
		AIR RELEASE VALVE
		WATER SAMPLING STATION
		IRRIGATION PIPELINE
		JOINT UTILITY TRENCH
		SANITARY SEWER FORCE MAIN
		GAS MAIN
		ELECTRICAL LINE
		ELECTRICAL LINE - OVERHEAD
		TELEPHONE LINE
		CABLE TELEVISION
		PG&E TRANSFORMER LOCATION
		STREET LIGHT CONDUIT, WIRING & PULL BOX
		STREET LIGHT AND POLE
		UTILITY POLE WITH DOWN GUY & ANCHOR
		POWER POLE, TELEPHONE POLE, JOINT POLE
		FENCE
		FLOWLINE OF DITCH OR SWALE
		DIRECTION OF SURFACE DRAINAGE FLOW
		CUT OR FILL SLOPE
		RIGHT OF WAY OR PROPERTY LINE
		STREET CENTERLINE OR BASELINE
		SURVEY MONUMENT
		SIGN
		TREE
		TREE TO BE REMOVED
		EXISTING GROUND SURFACE ELEVATION
		DRAINAGE DITCH
		DETAIL NO. / SHEET NO.
		SURVEY CONTROL POINT
		POTHOLE LOCATION
		CONCRETE PATH

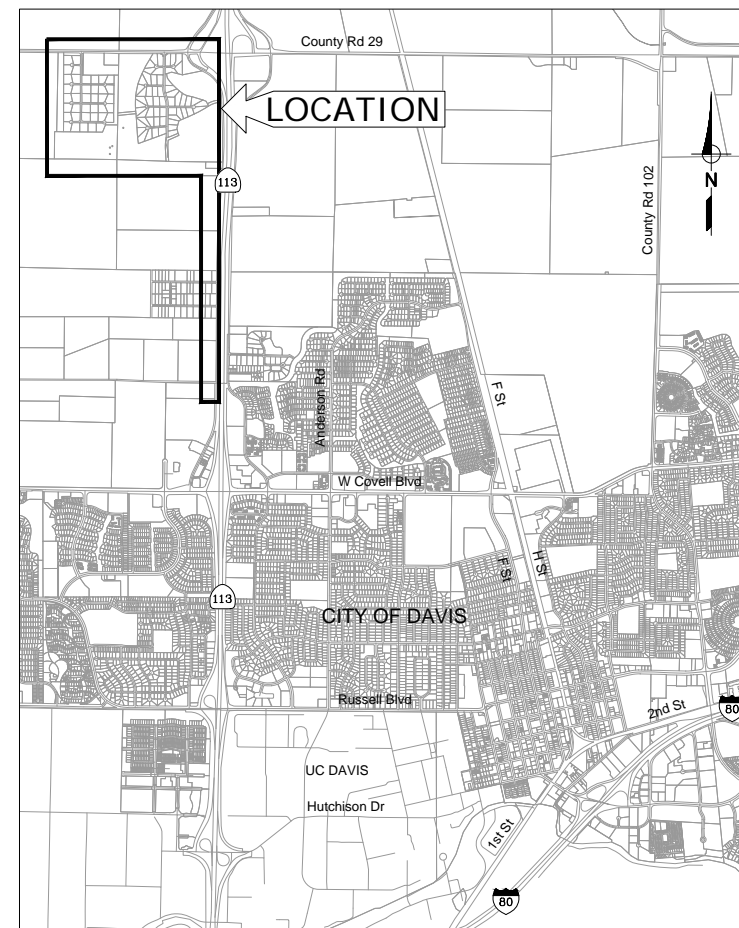
IMPROVEMENT PLANS FOR NORTH DAVIS MEADOWS WATER SYSTEM CONSOLIDATION PROJECT

NORTH DAVIS MEADOWS COUNTY SERVICE AREA

YOLO COUNTY, CALIFORNIA



VICINITY MAP
NOT TO SCALE



LOCATION MAP
NOT TO SCALE

SHEET INDEX

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AGENCY/UTILITY CONTACTS			
UTILITY		REPRESENTATIVE	
GAS	PG&E	BRENT DRAWVER	(661)637-9807
ELECTRICITY	PG&E	BRENT DRAWVER	(661)637-9807
PHONE	AT&T	CHARLENE SASAMOTO	(707)258-5308
CABLE	COMCAST	MARK DUBY	(916)830-6743
WATER/SEWER	CITY OF DAVIS	STAN GRYZCKO	(530)747-8292

COUNTY OF YOLO
DEPARTMENT OF COMMUNITY SERVICES
APPROVED FOR CONSTRUCTION

DATE _____
TARO ECHIBURU
COMMUNITY SERVICES DIRECTOR

DESIGNED	DRAWN	CHECKED	NO.	BY	DATE	REVISION	APP'D	DATE
AJU	JRR	KLW						

CITY OF DAVIS
APPROVED FOR EXTENSION OF CITY OF
DAVIS WATER SYSTEM

TITLE _____
DATE APPROVED _____

DESIGN ENGINEER
BY ASA J. UTTERBACK
ENGINEER'S NAME
DATE JANUARY 12, 2018 P.E. C57700
REGISTRATION EXPIRES 12/31/2019

WEST YOST ASSOCIATES

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COUNTY OF YOLO DEPARTMENT OF COMMUNITY SERVICES
IMPROVEMENT PLANS FOR
NORTH DAVIS MEADOWS WATER SYSTEM
CONSOLIDATION PROJECT

TITLE SHEET

SCALE
AS SHOWN

DWG NO
G01

DATE: 1/12/2018

SHEET NO
1 of 36

PRE-FINAL SUBMITTAL

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ABBREVIATIONS

AB	AGGREGATE BASE	LF	LINEAL FEET
AC	ASPHALT CONCRETE	MFR	MANUFACTURE
AF	ABOVE FINISH FLOOR	MAX	MAXIMUM
AL, ALUM	ALUMINUM	MIN	MINIMUM
APPROX	APPROXIMATE	MH	MANHOLE
ARV	AIR RELIEF VALVE	MJ	MECHANICAL JOINT
ASPH	ASPHALT	MON	MONUMENT, MONITORING
BC	BEGIN CURVE	MOV	MOTOR OPERATED VALVE
BF	BLIND FLANGE	N	NEW, NORTH
BOV	BLOW-OFF VALVE	NTS	NOT IN CONTRACT
BV, BVF	BUTTERFLY VALVE	NIC	NUMBER
BVC	BEGIN VERTICAL CURVE	No., #	NOT TO SCALE
CAV	COMBINATION AIR/VACUUM VALVE	OC	ON CENTER
CL, C	CENTER LINE	OD	OUTSIDE DIAMETER
CLR	CLEAR	OF	OVERFLOW
CLSM	CONTROL LOW STRENGTH MATERIAL	OH	OVERHEAD
CO	CLEAN OUT	PL, R	PLATE, PROPERTY LINE
CONC	CONCRETE	PSV	PRESSURE RELIEF VALVE
CMU	CONCRETE MASONRY UNIT	PRC	POINT OF REVERSE CURVE
CV	CHECK VALVE	PRV	PRESSURE REDUCING VALVE
CY	CUBIC YARDS	PSF	POUNDS PER SQUARE FOOT
DI	DRAIN INLET	PSI	POUNDS PER SQUARE INCH
DIA, Ø	DIAMETER	PG	PRESSURE GAUGE
DIP	DUCTILE IRON PIPE	PUE	PUBLIC UTILITY EASEMENT
DWG	DRAWING	PV	PLUG VALVE
EA	EACH	PVC	POLYVINYL CHLORIDE PIPE
EC	END HORIZONTAL CURVE	PVM'T	PAVEMENT
EF	EACH FACE	R	RADIUS
EL	ELEVATION	RCP	REINFORCED CONC PIPE
ELEC	ELECTRIC	REQ'D	REQUIRED
EP	EDGE OF PAVEMENT	REV	REVISION
EQUIP	EQUIPMENT	RJ	RESTRAINED JOINT
EVC	END VERTICAL CURVE	RR	RAILROAD
EW	EACH WAY	R/W	RIGHT OF WAY
EX, (E)	EXISTING	S	SEWER, SOUTH, SLOPE
EXP	EXPANSION	SCH	SCHEDULE
FF	FINISHED FLOOR	SDMH	STORM DRAIN MANHOLE
FH	FIRE HYDRANT	SPD	SUMP PUMP DISCHARGE
FCA	FLANGED COUPLING ADAPTER	SQ	SQUARE
FCO	FLOOR CLEANOUT	SS	SANITARY SEWER
FD	FLOOR DRAIN	SSB	STAINLESS STEEL BOLT
FL, C	FLOW LINE	SSMH	SANITARY SEWER MANHOLE
FLG	FLANGE	SST	STAINLESS STEEL
FO	FIBER OPTIC	STA	STATION
FRP	FIBERGLASS REINFORCED PLASTIC	ST	STREET
FOC	FACE OF CURB	STD	STANDARD
FT, '	FEET, FOOT	STL	STEEL
GA	GAUGE	SVC	SERVICE
GALV	GALVANIZED	SW	SIDEWALK
GB	GRADE BREAK	T	TELEPHONE
GS	GROUND SURFACE	T&B	TOP & BOTTOM
GSP	GROUND SURFACE PROFILE	TOC	TOP OF CONCRETE
		TOS	TOP OF STEEL OR TOP OF STRUCTURAL FRAME
GV	GATE VALVE	TYP	TYPICAL
HC	HANDICAPPED	UG	UNDERGROUND
HMA	HOT MIX ASPHALT	UPRR	UNION PACIFIC RAILROAD
HP	HIGH POINT IN PVMT, HIGH PRESSURE	VAR	VARIOUS
HPI	HORIZONTAL POINT OF INFLECTION	VPI	VERTICAL POINT OF INTERSECTION
HORZ	HORIZONTAL	VTR	VENT THROUGH ROOF
IE	INVERT ELEVATION	W	WEST
IN, "	INCH	WITH	WITH
INV	INVERT	W/O	WITH OUT
IRR	IRRIGATION	WS	WATER SURFACE
LAT	LATERAL	WWF	WELDED WIRE FABRIC
		WV	WATER VALVE
		WW	WELL WATER

WATER GENERAL NOTES

- WHERE VALVE INSTALLATION IS SHOWN ADJACENT TO A TEE, BEND OR CROSS, ATTACH THE VALVE(S) TO THE FITTING PER CITY STANDARDS.
- POSITIONS OF EXISTING WATER MAIN ARE SHOWN BASED ON CITY SYSTEM MAPPING AND AVAILABLE VALVE LOCATIONS. FIELD VERIFY LOCATIONS BEFORE BEGINNING WORK.
- PRIOR TO BEGINNING ANY WORK INVOLVING WATER SYSTEM SHUTDOWN, PREPARE AND SUBMIT WATER SYSTEM SHUTDOWN PLAN SCHEDULING ALL WORK SHOWN ON THESE WATER SYSTEM PLANS TO LIMIT THE NUMBER AND DURATION OF ALL PLANNED SHUTDOWNS OF THE WATER SERVICE TO EXISTING CONNECTED USES IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- WHERE WATER LINE CROSSES UNDERNEATH STORM OR SANITARY SEWER, INSTALL FULL 20 LF STICK OF PIPE CENTERED ON SEWER OR STORM PIPE ALIGNMENT PER SECTION G, ON SHEET 6.
- THE MAXIMUM LENGTH OF OPEN TRENCH ALLOWED AT THE END OF ANY WORK DAY SHALL BE 50 LINEAR FEET.
- USE CONCRETE THRUST BLOCKING PER CITY STANDARDS FOR THRUST RESTRAINT ON PIPE DIAMETER SIZES 12-INCH AND SMALLER. USE RESTRAINED JOINT ON FITTINGS AND PIPE ACCORDING TO DETAIL 2 TABLE ON SHEET 5 (DWG D01) FOR THRUST RESTRAINT ON LARGER PIPE SIZES.
- INSTALL PIPE IN CURVED ALIGNMENT WITH DEFLECTION ONLY AT MECHANICAL JOINT (MJ) COUPLINGS ON PLAIN PIPE ENDS AS NECESSARY TO APPROXIMATE THE DESIGNED CURVE RADIUS WITHOUT EXCEEDING A TOTAL DEFLECTION OF 4 DEGREES THROUGH ANY OF THE COUPLINGS. INSTALL COUPLINGS WITH EQUAL DEFLECTIONS ON EACH JOINT OF THE COUPLING. CONTRACTOR SHALL NOT BEND PIPE. CONTRACTOR SHALL NOT DEFLECT (PULL) BELL AND SPIGOT JOINTS TO ACHIEVE CURVED PIPE ALIGNMENT.
- ALL FITTINGS, EXCEPT TAPPING SLEEVES, SHALL BE FACTORY FUSION BONDED EPOXY (FBE) LINED AND COATED IN ACCORDANCE WITH AWWA C116.
- ALL FITTINGS SHALL CONFORM TO CITY MATERIAL STANDARD SECTION 203-4.3 AND SHALL BE WRAPPED IN POLYETHYLENE ENCASEMENT AND SEALED IN ACCORDANCE WITH CITY OF DAVIS CONSTRUCTION STANDARDS.
- CAUTION! EXISTING WATER SYSTEM CONTAINS NON-POTABLE WATER. NEWLY CONSTRUCTED PIPELINES LARGER THAN 10-INCH DIAMETER SHALL BE FILLED ONLY FROM CITY WATER SYSTEM. UPON COMPLETION OF TESTING AND CONNECTION OF NEW PORTIONS OF WATER SYSTEM AND DISCONNECTION OF EXISTING WELLS, CONTRACTOR SHALL SYSTEMATICALLY FLUSH ALL MAINS AND SERVICE PIPING PER CONTRACT SPECIFICATIONS TO REMOVE ALL NON-POTABLE WATER FROM WATER SYSTEM.
- CONTRACTOR SHALL POTHOLE ALL WATER SYSTEM TIE-IN POINTS PRIOR TO BEGINNING TRENCHING FOR PIPE INSTALLATION. UPSIZED PIPELINE REPLACEMENTS ARE INTENDED TO MATCH CENTERLINE GRADES OF EXISTING PIPES THAT ARE BEING REPLACED UNLESS SHOWN OTHERWISE.
- CONTRACTOR SHALL REMOVE PIPE TO BE ABANDONED TO A DISTANCE OF NOT LESS THAN 2 FEET FROM PIPE REMAINING IN SERVICE. CONTRACTOR SHALL PROVIDE SURVEYED POSITIONS OF ABANDONED PIPE LENGTHS WITH AS-BUILT RECORDS.

GENERAL NOTES

- ALL WATER SYSTEM IMPROVEMENTS SHALL BE PERFORMED IN ACCORDANCE WITH CITY OF DAVIS STANDARD DETAILS AND SPECIFICATIONS MOST RECENT EDITION. ALL OTHER CONSTRUCTION AND MATERIALS SHALL CONFORM TO COUNTY OF YOLO STANDARDS.
- THE CONTRACTOR SHALL NOT BEGIN ANY WORK SHOWN ON THESE PLANS UNTIL THE APPROVAL OF THE COUNTY IS AFFIXED AND HEREON AND ALL APPLICABLE PERMITS HAVE BEEN OBTAINED. CONSTRUCTION ENCROACHMENT PERMIT WILL BE ISSUED TO THE CONTRACTOR FOR WORK IN COUNTY RIGHT-OF-WAY AT NO COST TO THE CONTRACTOR.
- CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT (USA) 800-227-2600 AT LEAST TWO WORKING DAYS PRIOR TO ANY EXCAVATION.
- EXISTING UTILITIES ARE PLOTTED FROM AVAILABLE RECORDS, CONTRACTOR SHALL LOCATE AND PRESERVE ALL FACILITIES INCLUDING SEWER, GAS, IRRIGATION, POWER, STREET LIGHTS, TELEPHONE AND OTHERS WHICH MAY BE IN AREA OF CONSTRUCTION. CONTRACTOR SHALL EXPOSE AND VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION OF THE NEW IMPROVEMENTS OR CONNECTING TO OR IN THE VICINITY OF THE SAME.
- CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD SURVEYING AND ESTABLISHING GRADE STAKING. STAKING SHALL BE DONE BY A REGISTERED CIVIL ENGINEER OR LICENSED LAND SURVEYOR COMPLYING WITH THE STATE REQUIREMENTS.
- NO PAVEMENT WORK WILL OCCUR WITHIN THE ROAD RIGHT-OF-WAY PRIOR TO COMPLETION OF ANY NECESSARY UTILITY UNDERGROUND WORK WITHIN THAT RIGHT-OF-WAY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SURVEY MONUMENTS AND/OR OTHER SURVEY MARKERS DURING CONSTRUCTION. ALL MONUMENTS OR MARKERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED BY A LICENSED CALIFORNIA LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
- IT IS INTENDED THAT THESE PLANS REQUIRE ALL LABOR AND MATERIALS NECESSARY FOR COMPLETION OF WORK IN ACCORDANCE WITH THEIR TRUE INTENT AND PURPOSE. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY REGARDING ANY DISCREPANCIES OR AMBIGUITIES WHICH MAY EXIST IN PLANS OR SPECIFICATIONS. ENGINEER'S INTERPRETATION OR CORRECTION THEREOF SHALL BE FINAL AND CONCLUSIVE. WHERE PLANS OR SPECIFICATIONS DESCRIBE PORTIONS OF WORK IN GENERAL TERMS BUT NOT IN COMPLETE DETAILS, IT IS UNDERSTOOD THAT ONLY THE BEST GENERAL PRACTICE SHALL PREVAIL AND ONLY MATERIALS AND WORKMANSHIP OF FIRST QUALITY SHALL BE USED.
- MATERIALS SUBMITTALS FOR MATERIAL INCORPORATED INTO THE WORK INCLUDING, BUT NOT LIMITED TO AGGREGATE BASE, HOT MIX ASPHALT, CONCRETE, SAND, AND ALL WATER SYSTEM PIPE, FITTINGS, COMPONENTS AND APPURTENANCES SHALL BE SUBMITTED TO THE COUNTY AT LEAST TWO WEEKS PRIOR TO DELIVERY OF MATERIALS TO THE SITE.

GENERAL NOTES (CONTINUED)

- TESTING IS REQUIRED FOR TRENCH BACKFILL, GRADE COMPACTION, CONCRETE SLUMP, AND CONCRETE STRENGTH. TESTING SHALL BE PROVIDED BY INDEPENDENT LABORATORY APPROVED BY THE COUNTY AND HIRED BY THE CONTRACTOR. ALL TESTING SHALL BE PAID BY CONTRACTOR. THE QUANTITY OF RE-TESTING SHALL BE AS REQUIRED BY THE COUNTY. ALL TEST RESULTS SHALL BE SUBMITTED TO THE COUNTY WITHIN THREE (3) WORKING DAYS.
- CONTRACTORS SHALL BE RESPONSIBLE FOR COORDINATING THEIR OPERATIONS WITH ALL REQUIRED MATERIALS TESTING SERVICES AS REQUIRED BY THE YOLO COUNTY IMPROVEMENT STANDARDS AND THE COUNTY INSPECTOR. EACH PHASE OF CONSTRUCTION SHALL BE TESTED AND APPROVED BY THE COUNTY INSPECTOR PRIOR TO PROCEEDING TO SUBSEQUENT PHASES.
- CONTRACTOR SHALL, AT ALL TIMES, KEEP WORK AREA IN A NEAT AND SAFE CONDITION. UPON COMPLETION OF ANY PORTION OF WORK, CONTRACTOR SHALL PROMPTLY REMOVE ALL ITS EQUIPMENT AND SURPLUS MATERIALS, UNLESS NOTED OTHERWISE. CONTRACTOR SHALL, AT HIS/HER OWN EXPENSE, DISPOSE OF ALL RUBBISH, UNUSED MATERIALS AND OTHER EQUIPMENT BELONGING TO OR USED IN PERFORMANCE OF WORK, TO THE SATISFACTION OF THE ENGINEER. AFTER COMPLETION OF THE PROJECT, CONTRACTOR SHALL LEAVE THE PROJECT SITE IN EQUAL OR BETTER CONDITION THAN WHEN CONSTRUCTION BEGAN.
- CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITION AND THE PROTECTION OF PUBLIC AND PRIVATE PROPERTY ADJACENT TO THE WORK SITE DURING THE CONSTRUCTION OF THE PROJECT.
- ALL CONSTRUCTION AND MATERIAL DELIVERY ROUTES SHALL BE MONITORED DURING THE PROJECT FOR ANY DAMAGE AND DEBRIS ATTRIBUTED TO THE PROJECT VEHICLES. ALL DAMAGE AND DEBRIS AS A RESULT OF THE PROJECT SHALL BE REPAIRED AND CLEANED PER COUNTY STANDARDS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL CURRENTLY APPLICABLE SAFETY LAWS OF ANY JURISDICTIONAL BODY. CONTRACTOR IS DIRECTED TO CONTACT STATE OF CALIFORNIA, INDUSTRIAL RELATION DEPARTMENT (209) 948-7763. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL BARRICADES, SAFETY DEVICES AND CONTROL OF TRAFFIC WITHIN CONSTRUCTION AREAS AS NECESSARY FOR PERFORMANCE OF CONTRACT WORK.
- CONTRACTOR SHALL NOT DETOUR ANY TRAFFIC OTHER THAN AT LOCATIONS AND FOR DURATIONS NOTED ON THESE PLANS. CONTRACTOR SHALL NOT DETOUR ANY TRAFFIC WITHOUT PRIOR WRITTEN APPROVAL OF THE DETOUR ROUTE AND AN APPROVED ENGINEERED TRAFFIC CONTROL PLAN FOR THE DETOUR. SINGLE LANE CLOSURES WILL BE ALLOWED WITH FLAGGED TRAFFIC AND AN APPROVED, ENGINEERED TRAFFIC CONTROL PLAN. ANY PROPOSAL FOR CLOSURE OF A TRAFFIC LANE ON A COUNTY STREET SHALL BE SUBMITTED WITH THE TRAFFIC CONTROL PLAN TO THE ENGINEER IN WRITING AT LEAST TWO WEEKS IN ADVANCE OF THE PROPOSED CLOSURE. ACCESS TO ADJACENT PROPERTIES SHALL BE PROVIDED AT ALL TIMES.
- PROPER TRAFFIC CONTROL SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION IN ACCORDANCE WITH COUNTY'S ADOPTED TRAFFIC MANUAL. CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL PLANS TO THE COUNTY FOR REVIEW AT PRE-CONSTRUCTION MEETING AND OBTAIN ACCEPTANCE BEFORE STARTING ANY WORK. SAFE VEHICULAR, BICYCLE, AND PEDESTRIAN ACCESS SHALL BE PROVIDED AT ALL TIMES.
- THE CONTRACTOR SHALL MAINTAIN CONTINUOUS TEMPORARY TRAFFIC BARRICADES, WITH OPERABLE FLASHING DEVICES, SPACED AT INTERVALS OF NOT TO EXCEED 50 FEET WHENEVER THE WORK AREA IS ADJACENT TO AN EXISTING TRAFFIC LANE AND THERE IS A PAVEMENT CUT, TRENCH, OR DITCH WHICH IS OVER 2 INCHES IN DEPTH, OR IF THE TRAFFIC LANE USED BY VEHICLES IS NOT PAVED. IF THE CUT, TRENCH, OR DITCH IS MORE THAN 10 FEET FROM TRAFFIC LANE, THEN THE BARRICADE SPACING MAY BE GREATER, PROVIDED THAT IT DOES NOT EXCEED 200 FEET.
- PRIOR TO EXCAVATION OF TRENCHES 5 FEET OR DEEPER, THE CONTRACTOR SHALL SUBMIT TO THE PUBLIC WORKS DEPARTMENT INSPECTOR A COPY OF THE COMPANY'S ANNUAL CAL/OSHA EXCAVATION PERMIT AND A COPY OF THE COMPANY'S LETTER INFORMING CAL/OSHA OF THE TIME THE TRENCHING IS COMMENCING AND THE LOCATION OF THE WORK.
- CONTRACTOR SHALL COORDINATE WITH PG&E TO ALLOW PG&E PERSONNEL TO BE PRESENT WHEN EXCAVATING WITHIN 10 FEET OF EXISTING GAS MAIN.
- CONTRACTOR SHALL COORDINATE WITH WASTE MANAGEMENT SERVICES AND FACILITATE THE COLLECTION SERVICES THROUGH ANY ACTIVE CONSTRUCTION ZONES.
- CONTRACTOR SHALL NOT DISPOSE OF CHLORINATED OR OTHER CHEMICALLY TREATED WATER INTO ANY DRAINAGE SYSTEM.
- FOR HOT MIX ASPHALT REPLACEMENT, AMBIENT TEMPERATURE SHALL NOT BE LESS THAN 55 DEGREES FAHRENHEIT AND RISING IN THE SHADE.
- CONTRACTOR SHALL TAKE PRE-CONSTRUCTION AND POST-CONSTRUCTION PHOTOS AND VIDEOS OF ALL WORK AREAS AND SUBMIT THEM TO THE COUNTY PER CONTRACT SPECIFICATIONS.
- ALL PAVEMENT STRIPES, MARKERS, AND MARKINGS, INCLUDING BLUE MARKERS NOTING FIRE HYDRANT POSITIONS, SHALL BE REPLACED IN-KIND IF DAMAGED OR REMOVED BY CONSTRUCTION ACTIVITIES.
- EXISTING ELECTRICAL CONDUITS FOR STREET LIGHTING IN NORTH DAVIS MEADOWS ARE NOT SHOWN DUE TO LACK OF RECORD DATA. COORDINATE DIRECTLY WITH COUNTY PUBLIC WORKS DURING USA NOTIFICATION AND MARKING PROCESS TO GET STREET LIGHT CONDUITS MARKED WITH USA.
- ALL TRENCH WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY AND COUNTY STANDARD DETAILS AS SHOWN AND MODIFIED IN THESE PLANS.
- CONTRACTOR SHALL PROVIDE RECORD DRAWINGS TO THE COUNTY, INCLUDING ALL AS-BUILT, FIELD SURVEY MEASUREMENTS FOR ALL INVERTS, ROADSIDE DRAINAGE DITCHES, APPURTENANCE LOCATIONS, ROAD REPAIRS, OR OTHER FACILITIES AS REQUIRED BY THE COUNTY ENGINEER.
- COORDINATE FINAL LOCATION OF ALL PIPELINE APPURTENANCES WITHIN COUNTY RIGHT-OF-WAY WITH COUNTY INSPECTOR PRIOR TO INSTALLATION.

GENERAL NOTES (CONTINUED)

- WHERE CONSTRUCTION REMOVES, UNDERMINES, OR DAMAGES EXISTING PAVEMENTS WITHIN THE EXISTING VEHICLE TRAVEL LANE, CONTRACTOR SHALL PERFORM A FULL WIDTH OF 0.15' DEEP GRIND AND REPAVE OF ENTIRE LANE TO 10' BEYOND THE EXCAVATION/DAMAGE LIMITS IN EACH DIRECTION.
- CONTRACTOR SHALL IDENTIFY ALL PLANNED ACCESS POINTS FOR WORK OUTSIDE OF EXISTING ROADWAYS IN ADVANCE AND INCLUDE THE LOCATIONS IN THE SWPPP AND PROVIDE TRAFFIC CONTROL PLANS SUBJECT TO COUNTY APPROVAL FOR INGRESS/EGRESS CONTROLS.

CONSTRUCTION NOTES:

- INSTALL WATER PIPE (DIAMETER/LENGTH)
- INSTALL GATE VALVE (SIZE)
- INSTALL HORIZONTAL BEND (SIZE/ANGLE)
- INSTALL VERTICAL BEND (SIZE/ANGLE)
- INSTALL TEE (SIZE/SIZE)
- INSTALL CUT-IN CROSS PER DETAIL 9/SHT 9 (SIZE)
- INSTALL REDUCER (SIZE/SIZE)
- INSTALL BUTTERFLY VALVE (SIZE)
- INSTALL WATER SERVICE LATERAL (SIZE)
- INSTALL 1-INCH METER WITH VALVES, ANODE AND BOX ON EXISTING SERVICE (SIZE) PER DETAIL 3/SHT 7
- INSTALL METER WITH VALVES, ANODE AND BOX PER DETAIL 4/SHT 7 AND CONNECT TO EXISTING IRRIGATION SERVICE. LOCATE EXISTING PIPE AT EXISTING BACKFLOW PREVENTER AND INSTALL METER ON SUPPLY SIDE OF BACKFLOW (SIZE)
- LOCATE AND EXPOSE EXISTING SERVICE VALVE
- INSTALL HOT-TAPPED TEE ON EXISTING WATER MAIN (MAIN SIZE/TEE SIZE)
- INSTALL CUT-IN TEE PER DETAIL 8/SHT 9 (SIZE/SIZE)
- INSTALL NEW FIRE HYDRANT ASSEMBLY WITH CONCRETE ANCHOR PER CITY STANDARD DETAIL 101-1. (SEE SHT D07)
- REMOVE EXISTING FIRE HYDRANT ASSEMBLY, LATERAL AND VALVE. INSTALL BLIND FLANGE WHERE VALVE WAS REMOVED
- INSTALL WATER SAMPLING STATION COMPLETE WITH 1-INCH SERVICE PER CITY OF DAVIS STD DETAIL 101-10
- INSTALL COMBINATION AIR/VACUUM VALVE ASSEMBLY COMPLETE WITH 1-INCH SERVICE PER DETAIL 5/8
- REMOVE AND REPLACE 6-INCH CONCRETE PATH TO AT LEAST 1-FOOT BEYOND TRENCH EXCAVATION LIMITS. SAWCUT THE REPLACEMENT LIMITS PERPENDICULAR TO THE EXISTING PATH. WHERE LIMITS PER THIS REQUIREMENT ARE WITHIN 2- FEET OF AN EXISTING JOINT, EXTEND SAWCUT & REPLACEMENT LIMIT TO THE EXISTING JOINT
- INSTALL 6-INCH BYPASS WITH VALVES PER DETAIL 6/SHT 9
- INSTALL 6-INCH BYPASS WITH VALVES AND HOT-TAP PER DETAIL 10/SHT 9
- INSTALL 16-INCH RJ DUCTILE IRON WATER PIPE IN 27-INCH STEEL CASING BY BORE AND JACK METHOD PER DETAIL 11/SHT 10
- REMOVE EXISTING BACKFLOW PREVENTER AND INSTALL BACKFLOW PREVENTION ASSEMBLY PER CITY OF DAVIS STANDARD DETAIL 101-11 (SIZE)
- INSTALL 4-INCH LOW-POINT BLOW OFF ASSEMBLY PER DETAIL 7/SHT 9
- CUT, CAP AND ABANDON EXISTING DISCONNECTED WATER
- REMOVE AND RELOCATE EXISTING CHAIN LINK FENCE. REPLACE A PORTION OF FENCE WITH 16" DOUBLE SWING GATE PER COUNTY STD DETAIL 9-12 (TOTAL LENGTH)
- CONSTRUCT 8-INCH THICK, 12' WIDE GRAVEL ROAD (STA TO STA)
- INSTALL 1-INCH SERVICE THROUGH ANGLE METER STOP VALVE WITH METER BOX AND PIPE STUB AFTER VALVE PER CITY STANDARD FOR FUTURE PRESSURE SENSOR/TRANSDUCER (BY OTHERS). NO METER REQUIRED.
- INSTALL BLUE COMPOSITE UTILITY MARKER WITH DECAL STATING "CAUTION WATER PIPELINE" PER CITY STANDARDS.
- INSTALL BRASS MARKER IN 8-INCH CONCRETE CYLINDER MARKED WITH "CITY OF DAVIS WATER MAIN". INSTALL PER CITY STANDARD, EXCEPT SET MARKER FLUSH WITH EXISTING GRADE.

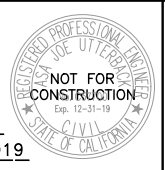
CONSTRUCTION IN GOLF COURSE

- NOTIFY THE GOLF COURSE MANAGER, JERRY LILLIEDOLL, AT THE DAVIS MUNICIPAL GOLF COURSE (756-4010 OR 756-0647) A MINIMUM OF THREE DAYS BEFORE STARTING CONSTRUCTION OF THE WATER MAIN ON THE GOLF COURSE. COORDINATE WITH JERRY THE SCHEDULE OF CONSTRUCTION SO THAT HE CAN SET UP TEMPORARY GREENS AND TEES, OR CAN CLOSE GOLF HOLES AS NEEDED. WATER MAIN CONSTRUCTION ACROSS THE GOLF COURSE IS TO BE DONE AS QUICKLY AS POSSIBLE.
- ANY IRRIGATION LINES THAT NEED TO BE CUT FOR CONSTRUCTION OF THE WATER MAIN ARE TO BE REPAIRED AND IN WORKING CONDITION BY 6PM DAILY TO ALLOW FOR EVENING IRRIGATION.
- ALL EXISTING LAWN AND/OR LANDSCAPING THAT IS DAMAGED OR REMOVED BY CONTRACTOR'S OPERATIONS SHALL BE REPLACED IN-KIND TO THE SATISFACTION OF THE GOLF COURSE MANAGER AT NO ADDITIONAL EXPENSE TO COUNTY.
- FOR ALL WORK OUTSIDE OF EXISTING ROAD RIGHT-OF-WAY, CONTRACTOR SHALL KEEP ALL WORK, MATERIALS AND EQUIPMENT WITHIN A FORTY FOOT (40') WIDE STRIP OF LAND CENTERED ON THE PIPE ALIGNMENT, UNLESS OTHERWISE APPROVED BY GOLF COURSE MANAGER. CONSTRUCTION VEHICLES AND MATERIALS SHALL BE PLACED ON THE SIDES OF THE FAIRWAY AS DIRECTED BY GOLF COURSE MANAGER.

PRE-FINAL SUBMITTAL

DESIGNED <u>AJU</u>					
DRAWN <u>JRR</u>					
CHECKED <u>KLW</u>					
	NO.	BY	DATE	REVISION	APP'D DATE

DESIGN ENGINEER
 BY ASA J. UTTERBACK
 ENGINEER'S NAME
 DATE JANUARY 12, 2018 P.E. C57700
 REGISTRATION EXPIRES 12/31/2019



WEST YOST ASSOCIATES
 2020 Research Park Drive
 Suite 100
 Davis, California 95618
 (530) 756-5905
 FAX (530) 756-5991

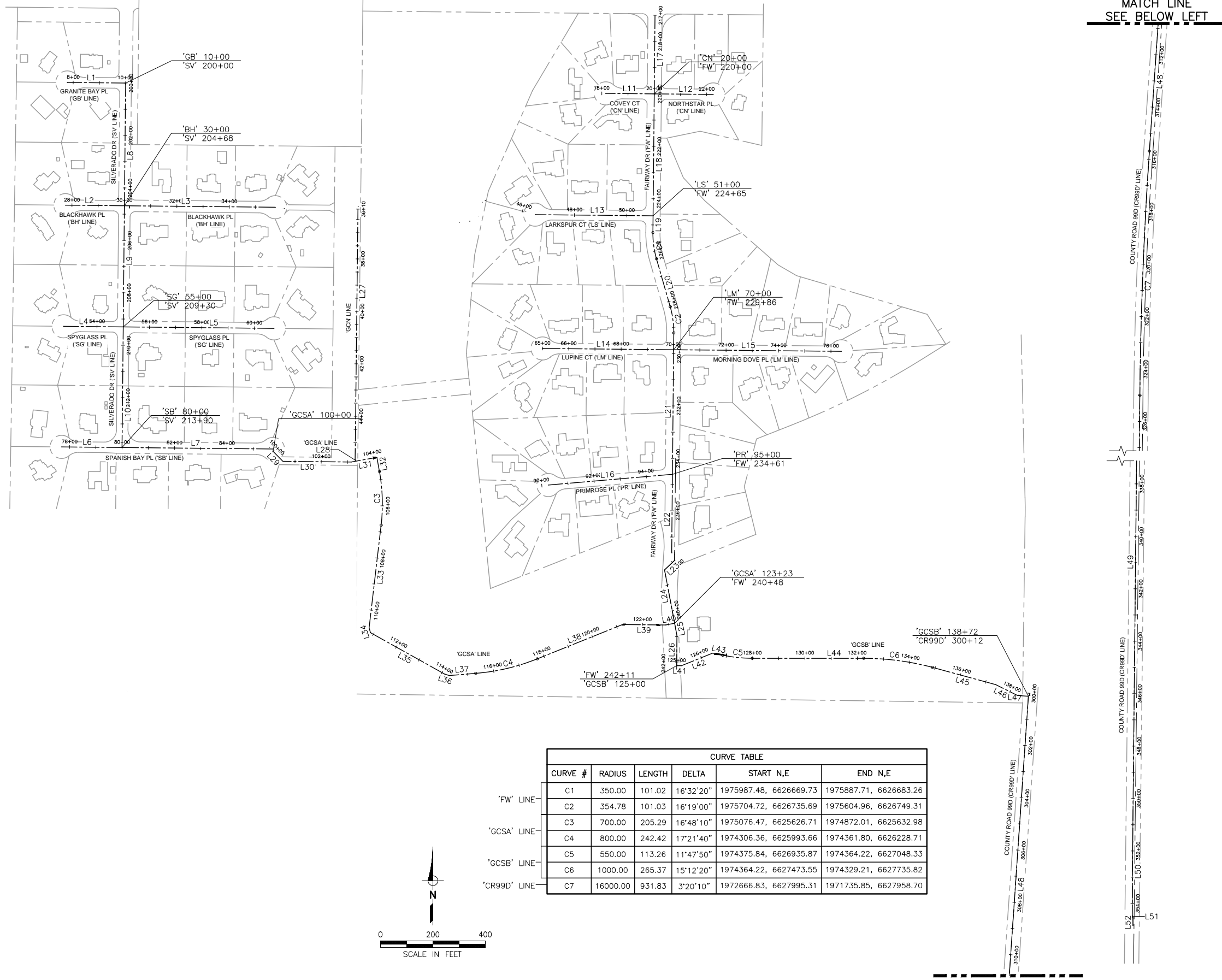
COUNTY OF YOLO DEPARTMENT OF COMMUNITY SERVICES
 IMPROVEMENT PLANS FOR
NORTH DAVIS MEADOWS WATER SYSTEM CONSOLIDATION PROJECT

SCALE
AS SHOWN
 DWG NO
G02
 SHEET NO
2 of 36

GENERAL NOTES

L:\Clients\746 County of Yolo\14-16-01 North Davis Meadows\CAD\Production\74614-1601-G03-G04.dwg 4/9/2018 11:22 AM jriedel

LINE TABLE					
LINE #	LENGTH	DIRECTION	START N,E	END N,E	
'GB' LINE	L1	222.56	S89°26'00"E	1976560.05, 6624436.30	1976557.85, 6624658.84
'BH' LINE	L2	225.18	S89°26'00"E	1976092.10, 6624429.06	1976089.87, 6624654.22
'SC' LINE	L3	575.00	S89°26'00"E	1976089.87, 6624654.22	1976084.20, 6625229.20
'SB' LINE	L4	227.77	S89°26'00"E	1975630.14, 6624421.90	1975627.90, 6624649.66
'SV' LINE	L5	575.11	S89°26'00"E	1975627.90, 6624649.66	1975622.22, 6625224.75
'CN' LINE	L6	230.36	S89°26'00"E	1975170.19, 6624414.77	1975167.92, 6624645.12
'LS' LINE	L7	575.44	S89°26'00"E	1975167.92, 6624645.12	1975162.24, 6625220.53
'LM' LINE	L8	468.00	S0°34'10"W	1976557.85, 6624658.86	1976089.87, 6624654.22
'PR' LINE	L9	462.00	S0°34'00"W	1976089.87, 6624654.22	1975627.90, 6624649.66
'FW' LINE	L10	460.00	S0°34'00"W	1975627.90, 6624649.66	1975167.92, 6624645.12
'GCN' LINE	L11	185.00	S89°27'00"E	1976518.37, 6626489.82	1976516.59, 6626674.81
'GCSA' LINE	L12	225.05	S89°27'10"E	1976516.59, 6626674.81	1976514.45, 6626899.85
'GCSB' LINE	L13	450.00	S89°27'00"E	1976055.93, 6626220.37	1976051.61, 6626670.35
'CR99D' LINE	L14	500.10	S89°27'00"E	1975545.62, 6626248.62	1975540.82, 6626748.69
	L15	639.90	S89°27'00"E	1975540.82, 6626748.69	1975534.68, 6627388.56
	L16	475.00	N85°02'50"E	1975024.79, 6626270.92	1975065.79, 6626744.15
	L17	374.98	S0°33'00"W	1976891.55, 6626678.41	1976516.59, 6626674.81
	L18	465.00	S0°33'00"W	1976516.59, 6626674.81	1976051.61, 6626670.35
	L19	64.14	S0°33'00"W	1976051.61, 6626670.35	1975987.48, 6626669.73
	L20	190.36	S15°59'20"E	1975887.71, 6626683.26	1975704.72, 6626735.69
	L21	475.05	S0°32'50"W	1975540.82, 6626748.69	1975065.79, 6626744.15
	L22	299.65	S0°32'50"W	1975065.79, 6626744.15	1974766.15, 6626741.28
	L23	53.00	S46°35'20"W	1974737.56, 6626752.50	1974701.14, 6626714.00
	L24	207.11	S10°42'10"E	1974701.14, 6626714.00	1974497.63, 6626752.46
	L25	48.52	S10°42'10"E	1974497.63, 6626752.46	1974449.96, 6626761.47
	L26	114.03	S0°32'50"W	1974449.96, 6626761.47	1974335.93, 6626760.38
	L27	963.63	S0°38'50"W	1976087.08, 6625544.98	1975123.51, 6625534.09
	L28	8.00	S10°11'00"E	1975123.51, 6625534.09	1975115.63, 6625535.51
	L29	53.65	S44°26'00"E	1975153.52, 6625220.93	1975115.21, 6625258.49
	L30	260.34	S89°26'00"E	1975115.21, 6625258.49	1975112.64, 6625518.82
	L31	99.82	N79°50'30"E	1975112.64, 6625518.82	1975130.25, 6625617.07
	L32	54.64	S10°09'30"E	1975130.25, 6625617.07	1975076.47, 6625626.71
	L33	394.57	S6°38'40"W	1974872.01, 6625632.98	1974480.09, 6625587.32
	L34	19.00	S15°50'20"E	1974480.09, 6625587.32	1974461.81, 6625592.50
	L35	323.58	S60°50'20"E	1974461.81, 6625592.50	1974304.14, 6625875.07
	L36	19.00	S72°05'20"E	1974304.14, 6625875.07	1974298.30, 6625893.15
	L37	100.83	N85°24'40"E	1974298.30, 6625893.15	1974306.36, 6625993.66
	L38	350.22	N68°02'50"E	1974361.80, 6626228.71	1974492.72, 6626553.54
	L39	164.60	S89°27'10"E	1974492.72, 6626553.54	1974491.14, 6626718.13
	L40	34.93	N79°17'50"E	1974491.14, 6626718.13	1974497.63, 6626752.46
	L41	33.03	S89°27'00"E	1974336.08, 6626745.38	1974335.76, 6626778.41
	L42	128.57	N68°02'50"E	1974335.76, 6626778.41	1974383.82, 6626897.65
	L43	39.04	S78°12'10"E	1974383.82, 6626897.65	1974375.84, 6626935.87
	L44	425.23	N90°00'00"E	1974364.22, 6627048.33	1974364.22, 6627473.55
	L45	250.01	S74°47'40"E	1974329.21, 6627735.82	1974263.64, 6627977.08
	L46	61.80	S63°32'40"E	1974263.64, 6627977.08	1974236.11, 6628032.41
	L47	70.27	S86°02'40"E	1974236.11, 6628032.41	1974231.27, 6628102.51
	L48	1578.10	S3°55'10"W	1974241.24, 6628103.19	1972666.83, 6627995.31
	L49	2665.43	S0°35'00"W	1971735.85, 6627958.70	1969070.56, 6627931.57
	L50	281.43	S0°22'40"W	1969070.56, 6627931.57	1968789.13, 6627929.72
	L51	7.90	S22°07'30"E	1968789.13, 6627929.72	1968781.82, 6627932.70
	L52	30.50	S0°17'20"W	1968781.82, 6627932.70	1968751.32, 6627932.54



CURVE TABLE						
CURVE #	RADIUS	LENGTH	DELTA	START N,E	END N,E	
'FW' LINE	C1	350.00	101.02	16°32'20"	1975987.48, 6626669.73	1975887.71, 6626683.26
'FW' LINE	C2	354.78	101.03	16°19'00"	1975704.72, 6626735.69	1975604.96, 6626749.31
'GCSA' LINE	C3	700.00	205.29	16°48'10"	1975076.47, 6625626.71	1974872.01, 6625632.98
'GCSB' LINE	C4	800.00	242.42	17°21'40"	1974306.36, 6625993.66	1974361.80, 6626228.71
'GCSB' LINE	C5	550.00	113.26	11°47'50"	1974375.84, 6626935.87	1974364.22, 6627048.33
'CR99D' LINE	C6	1000.00	265.37	15°12'20"	1974364.22, 6627473.55	1974329.21, 6627735.82
'CR99D' LINE	C7	16000.00	931.83	3°20'10"	1972666.83, 6627995.31	1971735.85, 6627958.70

DESIGN ENGINEER
 BY ASA J. UTTERBACK
 ENGINEER'S NAME
 DATE JANUARY 12, 2018 P.E. C57700
 REGISTRATION EXPIRES 12/31/2019



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COUNTY OF YOLO DEPARTMENT OF COMMUNITY SERVICES
 IMPROVEMENT PLANS FOR
**NORTH DAVIS MEADOWS WATER SYSTEM
 CONSOLIDATION PROJECT**
 ALIGNMENT CONTROL PLAN

SCALE
 AS SHOWN
 DATE: 1/12/2018
 DWG NO
G03
 SHEET NO
3 of 36

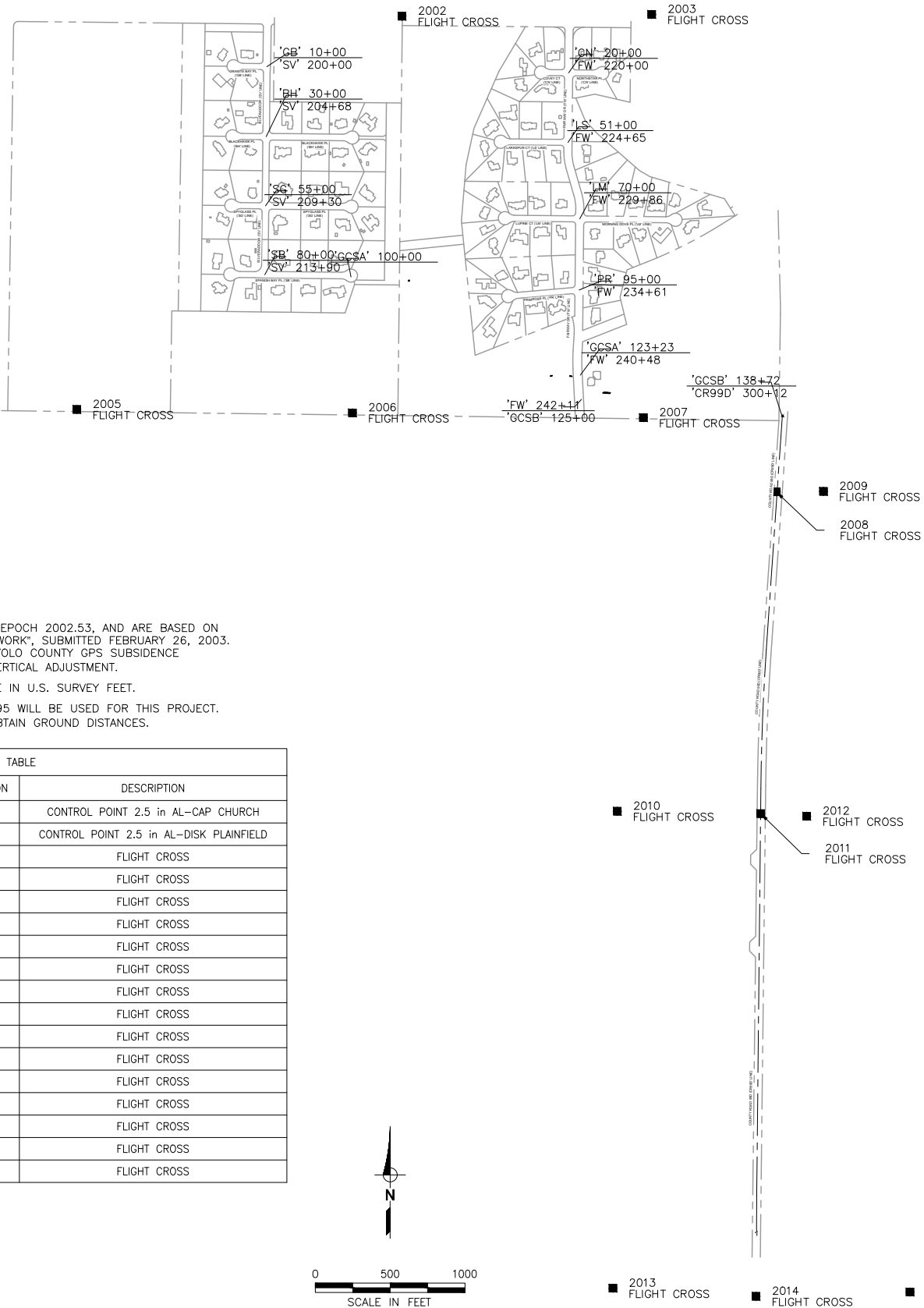
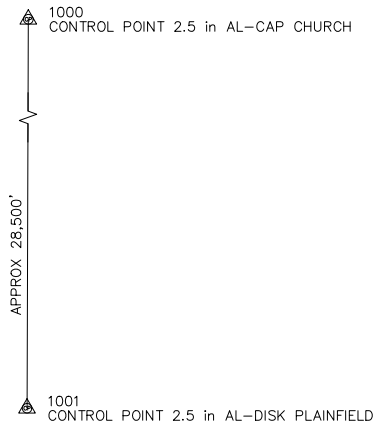
DESIGNED	DRAWN	CHECKED	NO.	BY	DATE	REVISION	APP'D	DATE
AJU	JRR	KLW						

PRELIMINARY / 100% SUBMITTAL

MATCH LINE SEE ABOVE RIGHT

MATCH LINE SEE BELOW LEFT

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COORDINATES SHOWN ARE CCS83 ZONE2, EPOCH 2002.53, AND ARE BASED ON THE "YOLO COUNTY GPS SUBSIDENCE NETWORK", SUBMITTED FEBRUARY 26, 2003. ELEVATIONS SHOWN ARE BASED ON THE "YOLO COUNTY GPS SUBSIDENCE NETWORK" HOLDING PLAINFIELD FOR THE VERTICAL ADJUSTMENT.

COORDINATES AND ELEVATIONS SHOWN ARE IN U.S. SURVEY FEET.

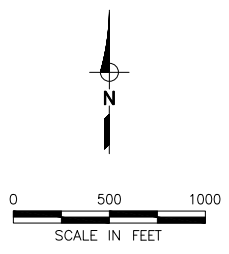
AN AVERAGE COMBINED FACTOR OF 0.99995 WILL BE USED FOR THIS PROJECT. DIVIDE GRID DISTANCES BY 0.99995 TO OBTAIN GROUND DISTANCES.

POTHOLE TABLE					
PH#	STREET NAME	SHEET #	TYPE OF UTILITY	UTILITY SIZE	DEPTH
1	COVEY CT	C01	WATER	6"	3.9'
2	COVEY CT	C01	WATER	6"	3.9'
3	COVEY CT	C01	WATER	6"	3.9'
4	BLACKHAWK PL	C02	WATER	6"	4.4'
5	BLACKHAWK PL	C02	WATER	6"	4.4'
6	BLACKHAWK PL	C02	SSFM	2"	4.9'
7	BLACKHAWK PL	C02	GAS	4"	3.6'
8	BLACKHAWK PL	C02	ELECTRIC	4"	3.5'
9	SPYGLASS PL	C03	WATER	6"	4.8'
10	SPYGLASS PL	C03	WATER	6"	4.8'
11	LARKSPUR CT	C07	WATER	6"	4.2'
12	LARKSPUR CT	C07	WATER	6"	4.3'
13	LARKSPUR CT	C07	WATER	6"	4.3'
14	LARKSPUR CT	C07	SSFM	3"	6.2'
15	LARKSPUR CT	C07	COMMUNICATION	4"	4.8'
16	LUPINE CT	C08	SSFM	3"	6.4'
17	SPANISH BAY	C04	WATER	6"	4.9'
18	SPANISH BAY	C04	WATER	6"	3.2'
19	RD 99D	C19	GAS	4"	5.9' (1)
20	RD 99D	C19	COMMUNICATION	1"	6.5' (1)
21	RD 99D	C20	GAS	6"	7.7'
22	RD 99D	C20	COMMUNICATION	6"	8.0'
23	RD 99D	C21	GAS	.75"	6.9'

POTHOLE NOTE 1: NOTED DEPTH IS RELATIVE TO ADJACENT EDGE OF PAVEMENT

POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1000	2003455.66	6618054.62	0.00	CONTROL POINT 2.5 in AL-CAP CHURCH
1001	1974876.43	6617913.18	65.49	CONTROL POINT 2.5 in AL-DISK PLAINFIELD
2001	1976913.88	6623385.99	59.20	FLIGHT CROSS
2002	1976894.27	6625562.33	52.93	FLIGHT CROSS
2003	1976906.53	6627229.78	52.10	FLIGHT CROSS
2004	1976890.13	6628779.36	55.35	FLIGHT CROSS
2005	1974268.51	6623389.67	57.87	FLIGHT CROSS
2006	1974245.95	6625230.70	55.16	FLIGHT CROSS
2007	1974213.76	6627173.68	53.11	FLIGHT CROSS
2008	1973718.02	6628062.14	53.07	FLIGHT CROSS
2009	1973721.41	6628376.66	52.36	FLIGHT CROSS
2010	1971585.24	6626999.97	54.11	FLIGHT CROSS
2011	1971569.32	6627957.45	53.33	FLIGHT CROSS
2012	1971552.32	6628265.18	53.77	FLIGHT CROSS
2013	1968399.73	6626970.64	48.76	FLIGHT CROSS
2014	1968345.99	6627926.72	49.14	FLIGHT CROSS
2015	1968374.50	6628954.69	48.03	FLIGHT CROSS

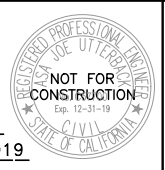
POTHOLE DATA



PRELIMINARY / 100% SUBMITTAL

DESIGNED_AJU					
DRAWN_JRR					
CHECKED_KLW					
	NO.	BY	DATE	REVISION	APP'D DATE

DESIGN ENGINEER
BY ASA J. UTTERBACK
ENGINEER'S NAME
DATE JANUARY 12, 2018 P.E. C57700
REGISTRATION EXPIRES 12/31/2019

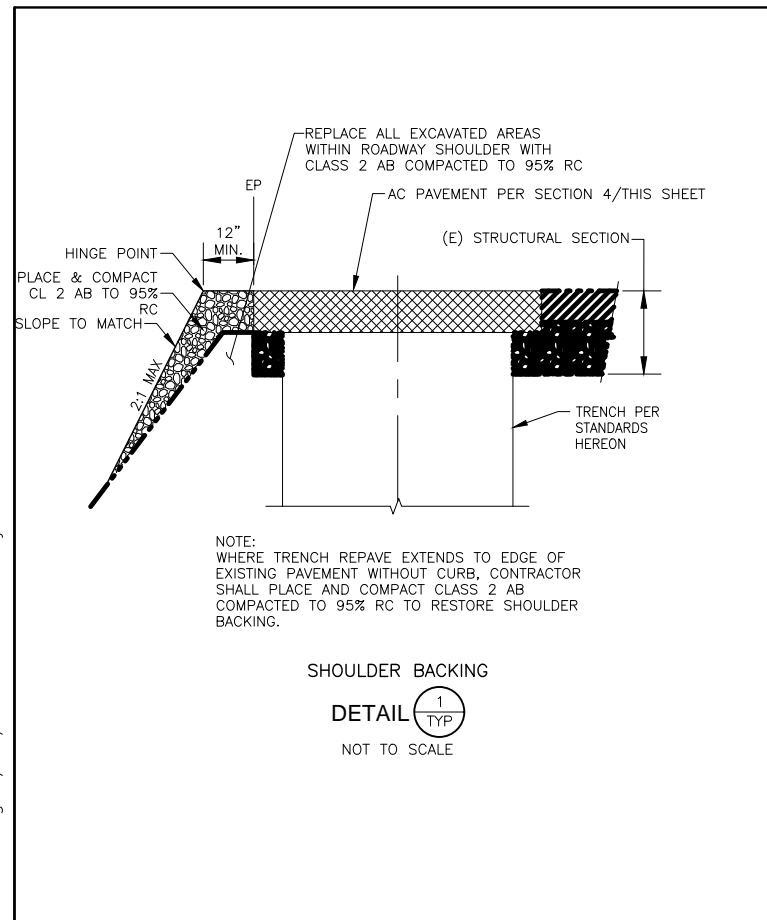


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COUNTY OF YOLO DEPARTMENT OF COMMUNITY SERVICES
IMPROVEMENT PLANS FOR
NORTH DAVIS MEADOWS WATER SYSTEM CONSOLIDATION PROJECT
SURVEY CONTROL PLAN
AND POTHOLE DATA

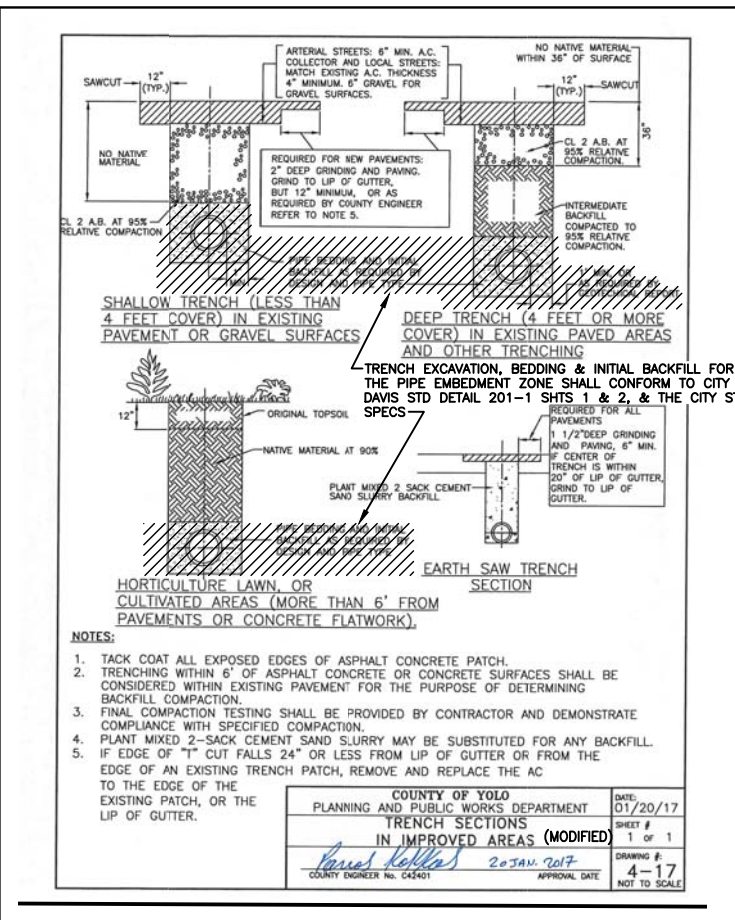
SCALE
AS SHOWN
DATE: 1/12/2018
DWG NO
G04
SHEET NO
4 of 36

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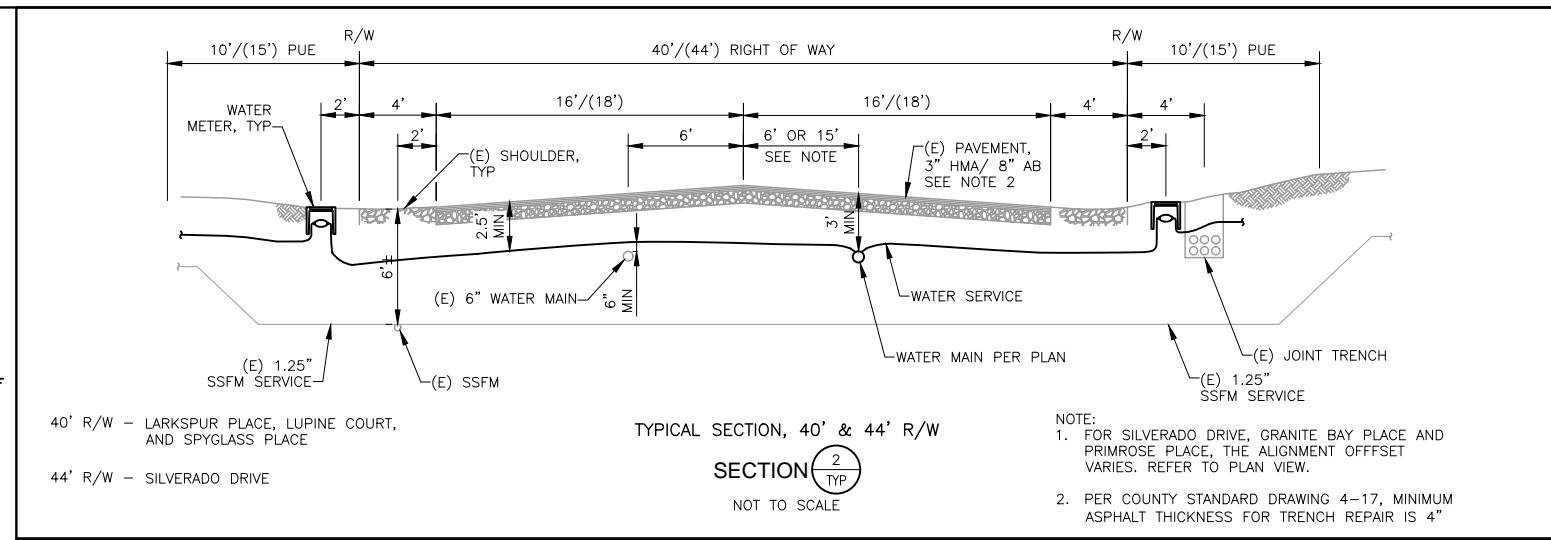
NOTE:
WHERE TRENCH REPAVE EXTENDS TO EDGE OF EXISTING PAVEMENT WITHOUT CURB, CONTRACTOR SHALL PLACE AND COMPACT CLASS 2 AB COMPACTED TO 95% RC TO RESTORE SHOULDER BACKING.

SHOULDER BACKING
DETAIL 1
NOT TO SCALE



- NOTES:
- TACK COAT ALL EXPOSED EDGES OF ASPHALT CONCRETE PATCH.
 - TRENCHING WITHIN 6" OF ASPHALT CONCRETE OR CONCRETE SURFACES SHALL BE CONSIDERED WITHIN EXISTING PAVEMENT FOR THE PURPOSE OF DETERMINING BACKFILL COMPACTION.
 - FINAL COMPACTION TESTING SHALL BE PROVIDED BY CONTRACTOR AND DEMONSTRATE COMPLIANCE WITH SPECIFIED COMPACTION.
 - PLANT MIXED 2-SACK CEMENT SAND SLURRY MAY BE SUBSTITUTED FOR ANY BACKFILL.
 - IF EDGE OF "T" CUT FALLS 24" OR LESS FROM LIP OF GUTTER OR FROM THE EDGE OF AN EXISTING TRENCH PATCH, REMOVE AND REPLACE THE AC TO THE EDGE OF THE EXISTING PATCH, OR THE LIP OF GUTTER.

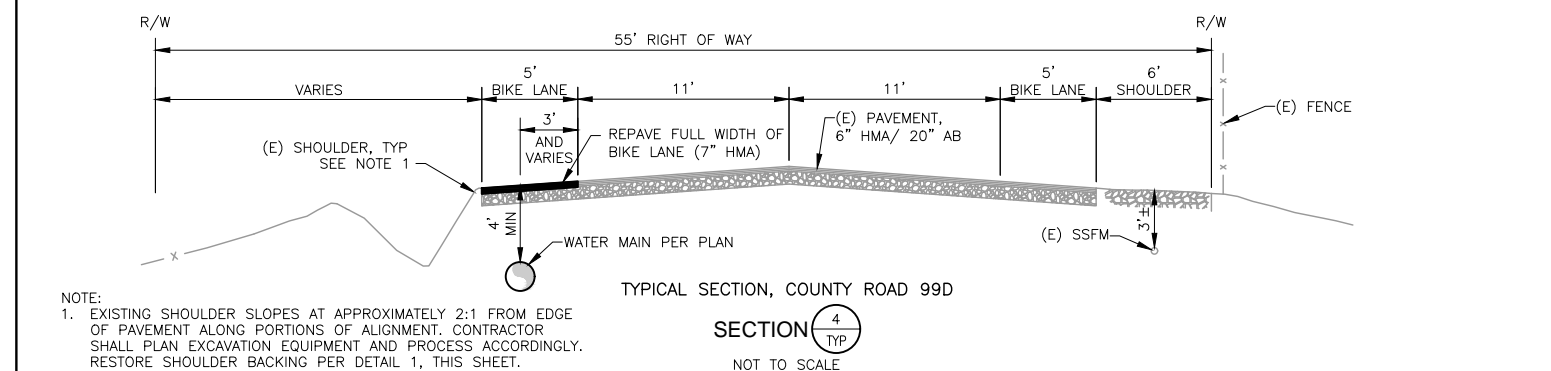
COUNTY OF YOLO
PLANNING AND PUBLIC WORKS DEPARTMENT
TRENCH SECTIONS
IN IMPROVED AREAS (MODIFIED)
DATE: 01/20/17
SHEET # 1 OF 1
APPROVAL DATE: 20 JAN 2017
COUNTY ENGINEER No. C42401



40' R/W - LARKSPUR PLACE, LUPINE COURT, AND SPYGLASS PLACE
44' R/W - SILVERADO DRIVE

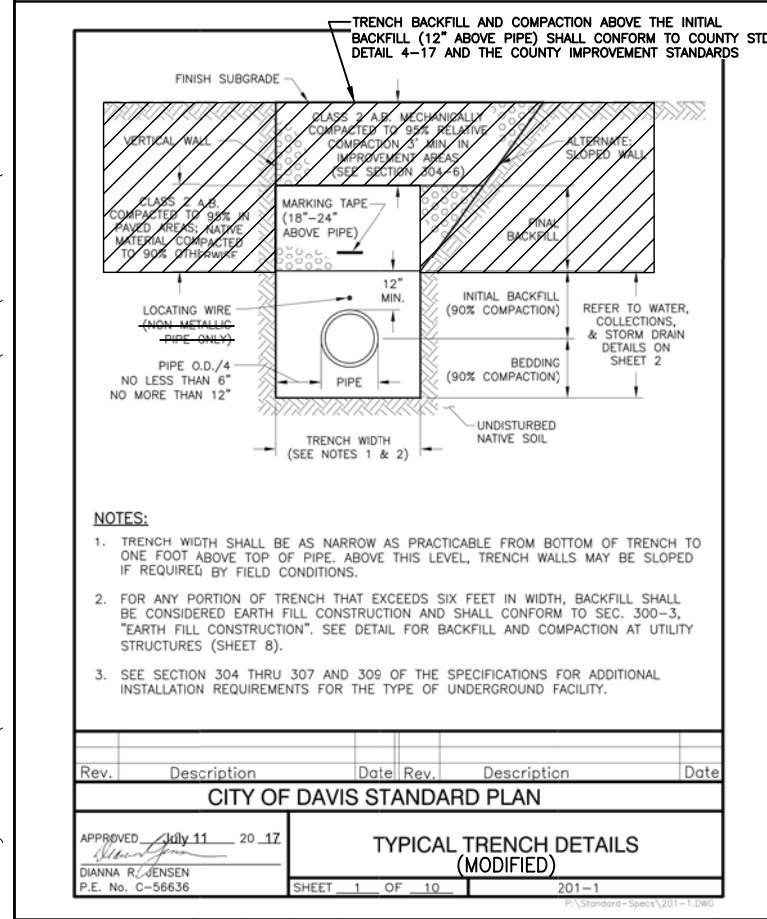
TYPICAL SECTION, 40' & 44' R/W
SECTION 2
NOT TO SCALE

- NOTE:
- FOR SILVERADO DRIVE, GRANITE BAY PLACE AND PRIMROSE PLACE, THE ALIGNMENT OFFSET VARIES. REFER TO PLAN VIEW.
 - PER COUNTY STANDARD DRAWING 4-17, MINIMUM ASPHALT THICKNESS FOR TRENCH REPAIR IS 4"



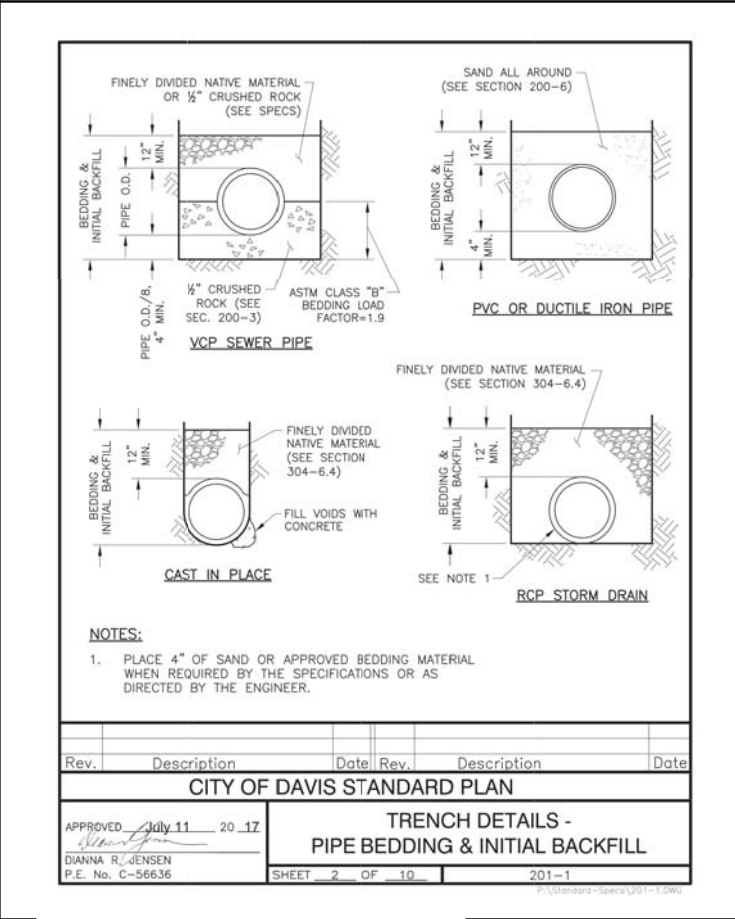
- NOTE:
- EXISTING SHOULDER SLOPES AT APPROXIMATELY 2:1 FROM EDGE OF PAVEMENT ALONG PORTIONS OF ALIGNMENT. CONTRACTOR SHALL PLAN EXCAVATION EQUIPMENT AND PROCESS ACCORDINGLY. RESTORE SHOULDER BACKING PER DETAIL 1, THIS SHEET.

TYPICAL SECTION, COUNTY ROAD 99D
SECTION 4
NOT TO SCALE



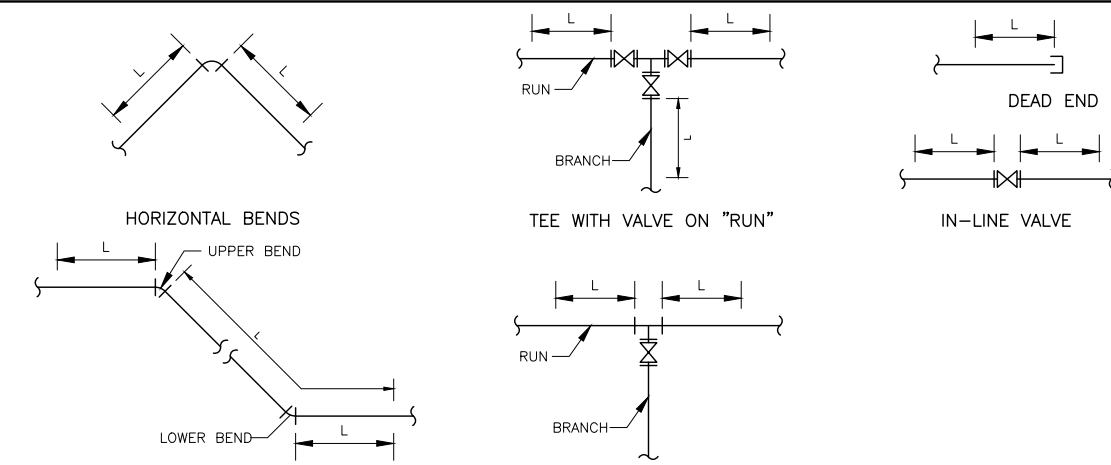
- NOTES:
- TRENCH WIDTH SHALL BE AS NARROW AS PRACTICABLE FROM BOTTOM OF TRENCH TO ONE FOOT ABOVE TOP OF PIPE. ABOVE THIS LEVEL, TRENCH WALLS MAY BE SLOPED IF REQUIRED BY FIELD CONDITIONS.
 - FOR ANY PORTION OF TRENCH THAT EXCEEDS SIX FEET IN WIDTH, BACKFILL SHALL BE CONSIDERED EARTH FILL CONSTRUCTION AND SHALL CONFORM TO SEC. 300-3, "EARTH FILL CONSTRUCTION". SEE DETAIL FOR BACKFILL AND COMPACTION AT UTILITY STRUCTURES (SHEET 8).
 - SEE SECTION 304 THRU 307 AND 309 OF THE SPECIFICATIONS FOR ADDITIONAL INSTALLATION REQUIREMENTS FOR THE TYPE OF UNDERGROUND FACILITY.

CITY OF DAVIS STANDARD PLAN
TYPICAL TRENCH DETAILS (MODIFIED)
APPROVED July 11 20 17
DIANNA R. JENSEN
P.E. No. C-56636
SHEET 1 OF 10
201-1



- NOTES:
- PLACE 4" OF SAND OR APPROVED BEDDING MATERIAL WHEN REQUIRED BY THE SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

CITY OF DAVIS STANDARD PLAN
TRENCH DETAILS - PIPE BEDDING & INITIAL BACKFILL
APPROVED July 11 20 17
DIANNA R. JENSEN
P.E. No. C-56636
SHEET 2 OF 10
201-1



- NOTES:
- CONTRACTOR TO SUBMIT CALCULATIONS FOR SPECIAL CONDITIONS.
 - EXTEND RESTRAINED PIPE LENGTH BEYOND ADJACENT FITTINGS AS NECESSARY.
 - FACTOR OF SAFETY: 1.5
 - MINIMUM DEPTH = 3 FEET
 - TEST PRESSURE = 150 PSI

DUCTILE IRON PIPE (POLYWRAPPED) MINIMUM PIPE RESTRAINT LENGTH (L IN FEET)

PIPE SIZE (IN)	HORIZONTAL BENDS				VERTICAL BENDS			TEE		DEAD END	IN-LINE VALVE	
	90°	45°	22.5°	11.25°	UPPER 45° BEND	LOWER 45° BEND	UPPER 22.5° BEND	LOWER 22.5° BEND	16" TEE ALL LEGS			14" TEE ALL LEGS
14	63	26	13	7	77	12	37	6	N/A	25	186	186
16	71	30	14	7	87	13	42	7	19	N/A	209	209

C900 PVC PIPE MINIMUM PIPE RESTRAINT LENGTH (L IN FEET)

PIPE SIZE (IN)	HORIZONTAL BENDS				VERTICAL BENDS			TEE		DEAD END	IN-LINE VALVE	
	90°	45°	22.5°	11.25°	UPPER 45° BEND	LOWER 45° BEND	UPPER 22.5° BEND	LOWER 22.5° BEND	16" TEE ALL LEGS			14" TEE ALL LEGS
14	55	23	11	6	52	10	25	5	N/A	20	125	125
16	60	25	12	6	57	11	28	6	19	N/A	138	138

RESTRAINED JOINT LENGTHS AT FITTINGS FOR 14" AND 16" DIAMETER

DETAIL 2
NOT TO SCALE

PRE-FINAL SUBMITTAL

DESIGNED	DRAWN	CHECKED	NO.	BY	DATE	REVISION	APP'D	DATE
AJU	JRR	KLW						

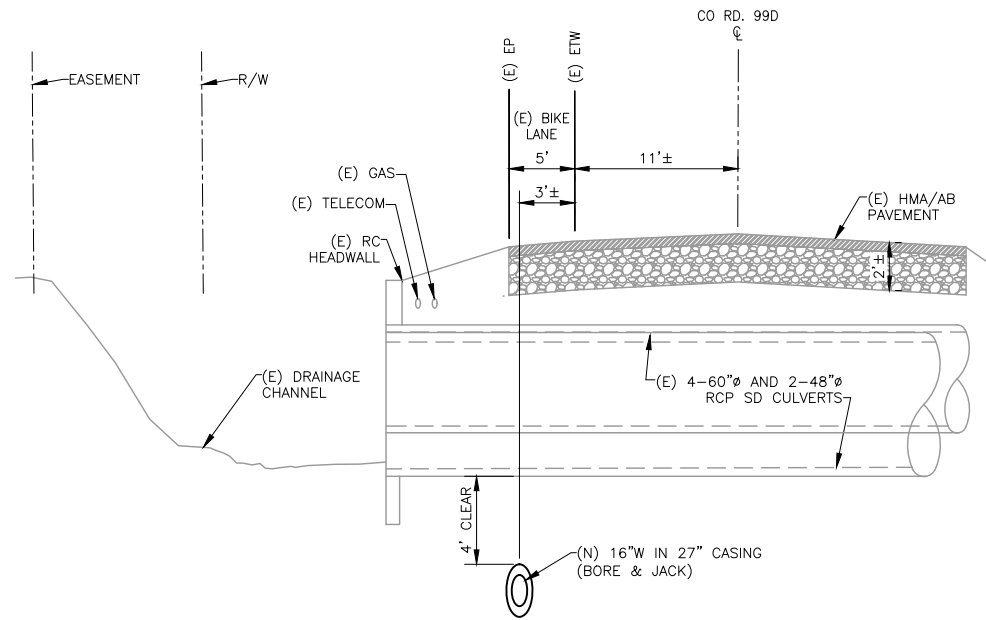
DESIGN ENGINEER
BY ASA J. UTTERBACK
ENGINEER'S NAME
DATE JANUARY 12, 2018 P.E. C57700
REGISTRATION EXPIRES 12/31/2019

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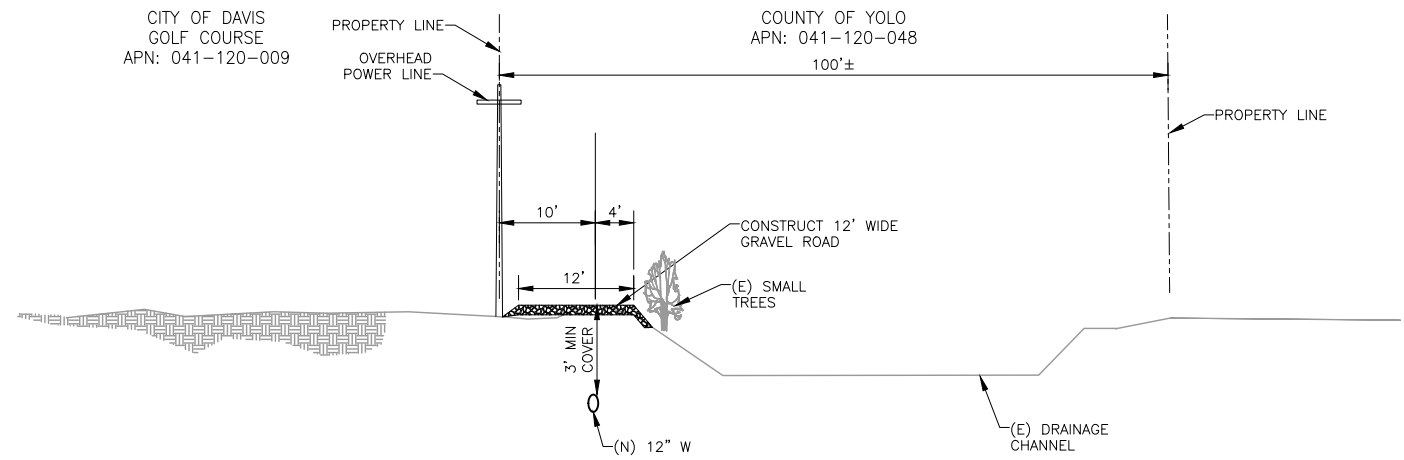
COUNTY OF YOLO DEPARTMENT OF COMMUNITY SERVICES
IMPROVEMENT PLANS FOR
NORTH DAVIS MEADOWS WATER SYSTEM
CONSOLIDATION PROJECT
TYPICAL SECTIONS AND STANDARDS 1

SCALE AS SHOWN
DATE: 1/12/2018
DWG NO D01
SHEET NO 5 of 36

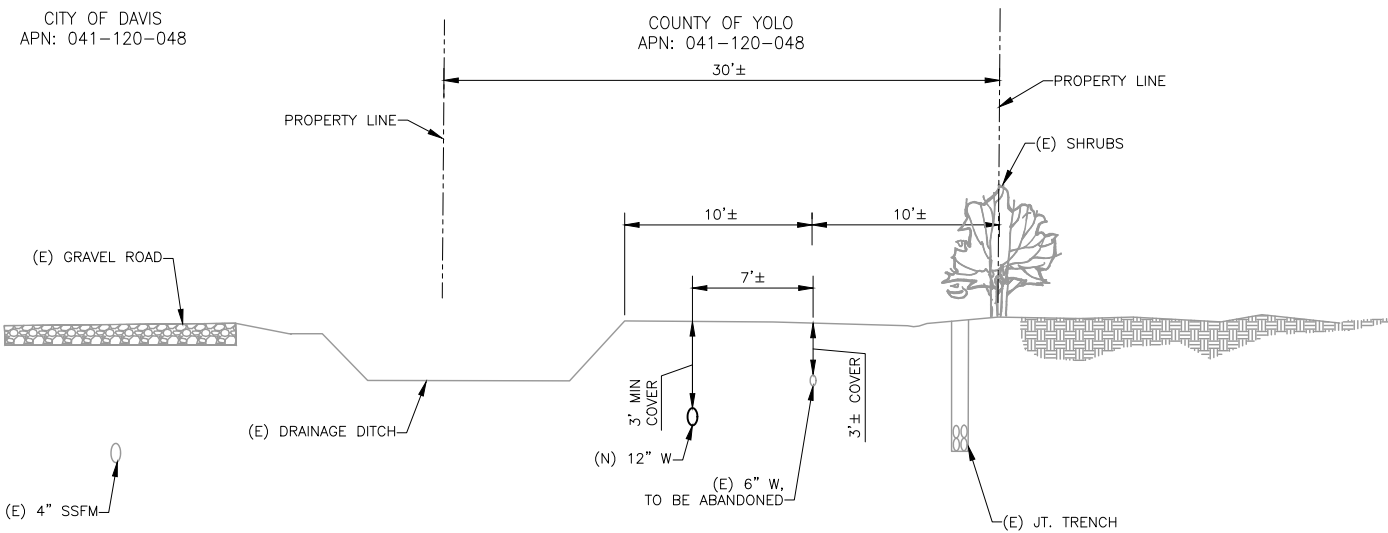
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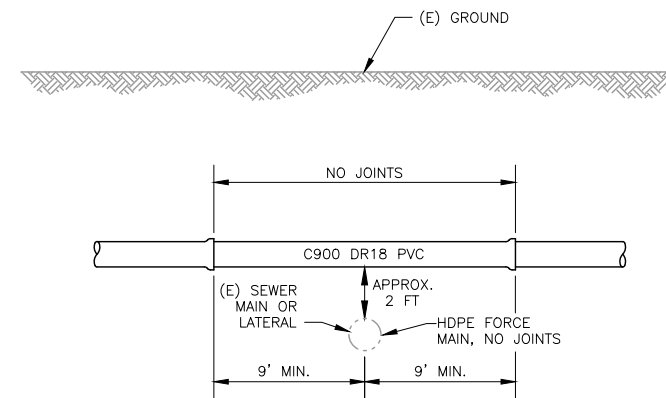
SECTION **A**
C20
NOT TO SCALE



SECTION **B**
C14
NOT TO SCALE



SECTION **C**
C15
NOT TO SCALE



TYPICAL ABOVE EXISTING SEWER MAIN OR LATERAL CROSSING

SECTION **G**
TYP
NOT TO SCALE

PRE-FINAL SUBMITTAL

DESIGNED <u>AJU</u>					
DRAWN <u>JRR</u>					
CHECKED <u>KLW</u>					
	NO.	BY	DATE	REVISION	APP'D DATE

DESIGN ENGINEER
 BY ASA J. UTTERBACK
 ENGINEER'S NAME
 DATE JANUARY 12, 2018 P.E. C57700
 REGISTRATION EXPIRES 12/31/2019



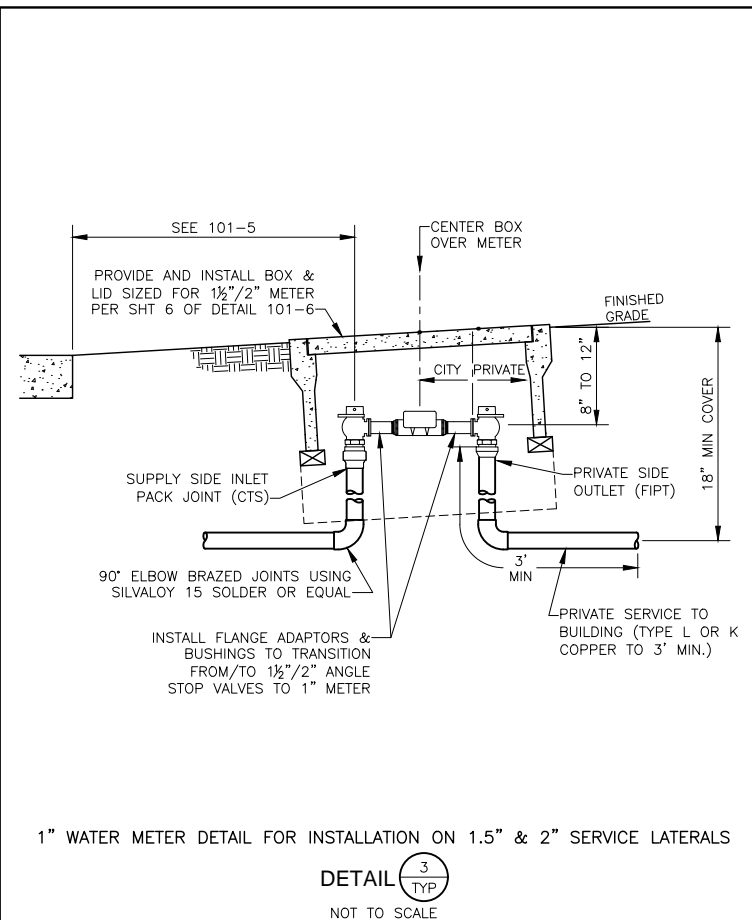
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COUNTY OF YOLO DEPARTMENT OF COMMUNITY SERVICES
 IMPROVEMENT PLANS FOR
 NORTH DAVIS MEADOWS WATER SYSTEM
 CONSOLIDATION PROJECT

TYPICAL SECTIONS

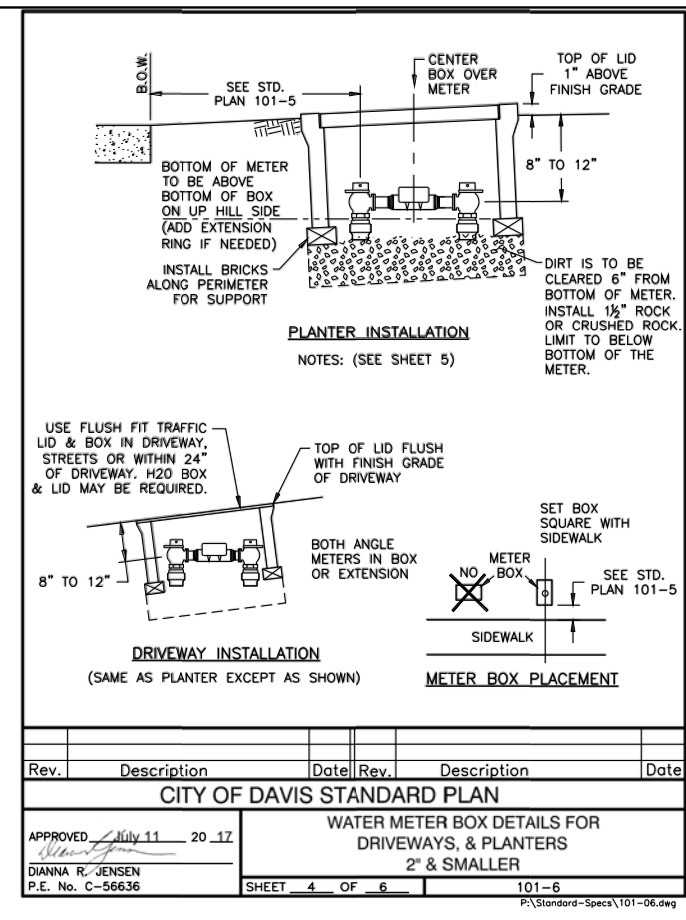
SCALE
 AS SHOWN
 DATE: 1/12/2018
 DWG NO
 D02
 SHEET NO
 6 OF 36

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1" WATER METER DETAIL FOR INSTALLATION ON 1.5" & 2" SERVICE LATERALS

DETAIL 3 TYP NOT TO SCALE



DRIVEWAY INSTALLATION (SAME AS PLANTER EXCEPT AS SHOWN)

METER BOX PLACEMENT

Rev.	Description	Date	Rev.	Description	Date
CITY OF DAVIS STANDARD PLAN					
APPROVED July 11 20 17			APPROVED July 11 20 17		
DIANNA R. JENSEN			DIANNA R. JENSEN		
P.E. No. C-56636			P.E. No. C-56636		
SHEET 4 OF 6		SHEET 5 OF 6		101-6	

SERVICE SIZE	MANUFACTURER	SUPPLY SIDE MODEL#	COPPERSETTER
1"	Ford Mueller Jones McDonald	BA43-444W P-24258 E-1963W 74602B-22	As Approved
1 1/2"	Ford Mueller Jones McDonald	BFA43-666W B24276 E-1975W 74602B-22	As Approved.
2"	Ford Mueller Jones McDonald	BFA43-777W B24276 E-1975W 74602B-22	As Approved.
4"+	Gate Valves required per Standard Specifications, designed by private Engineer, reviewed and approved by City Engineer.		Not applicable.

METER SERVICE CONSTRUCTION NOTES:

- Water Division - Public Works Department, shall determine appropriate meter size based upon water meter sizing form submitted by applicant.
- Suitable Backflow prevention shall be provided downstream of the meter when required by the City. Refer to the Rules and Regulations for Backflow Prevention published by PW.
- Coppersetter with bypass may be required depending on service use. Provide meter box extensions to fully enclose bypass.
- Silvaloy 15 solder or equal shall be used for all brazing.
- All adapters and other fittings shall be of the same manufacturer as both angle meter stops at a particular service. Angle stops at front and back of meter shall be of same manufacturer.
- Makes/models shown in the table above are approved for use by the City. Equivalent meter stops, angle stops and accessories by other manufacturers may be allowed subject to City Engineer review and approval.
- Multiple meters serving one address shall be labeled per Spec. Sect. 203-10.9.

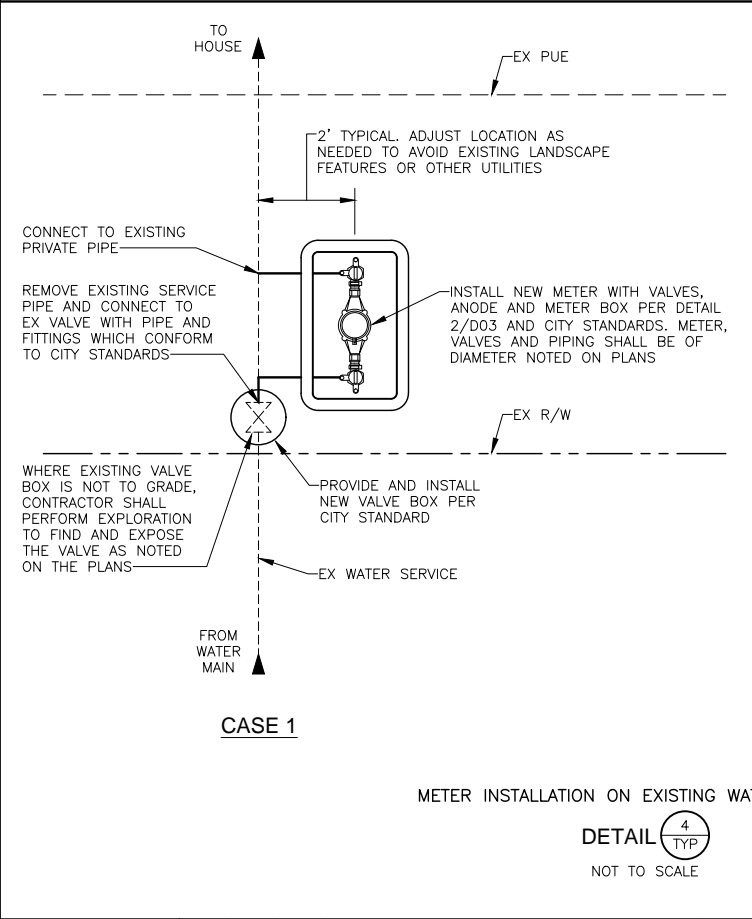
Rev.	Description	Date	Rev.	Description	Date
CITY OF DAVIS STANDARD PLAN					
APPROVED July 11 20 17			APPROVED July 11 20 17		
DIANNA R. JENSEN			DIANNA R. JENSEN		
P.E. No. C-56636			P.E. No. C-56636		
SHEET 5 OF 6		SHEET 6 OF 6		101-6	

METER SIZE	BOX SIZE	LANDSCAPED AREAS	TRAFFIC AREAS
3/4"	13" x 24" inside dimensions	OLDCASTLE: BOX: FL30TBOX LID: FL30T	OLDCASTLE: BOX: B1324, H20 Loading, LID: B1324-51GH, Flush mount, Steel Checker Plate, 10,000# design load or Fibrelyte lid.
1 1/2"	17" x 30" inside dimensions	OLDCASTLE: BOX: FL36TBOX LID: FL36T	OLDCASTLE: BOX: B1730, H20 Loading LID: B1730-51GH, Steel Checker
3"	30" x 48" inside dimensions	OLDCASTLE: BOX: N48BOX LID: B48-62G	OLDCASTLE: BOX: B3048, H20 Loading LID: B3048-53JH, Steel Checker
4"	30" x 48" inside dimensions	OLDCASTLE: BOX: N48BOX LID: B48-62G	OLDCASTLE: BOX: B3048, H20 Loading LID: B3048-53JH, Steel Checker
6"+	Designed by private Engineer, reviewed and approved by City Engineer. Box and lid must conform to AASHTO H20 criteria in traffic loading situations.		

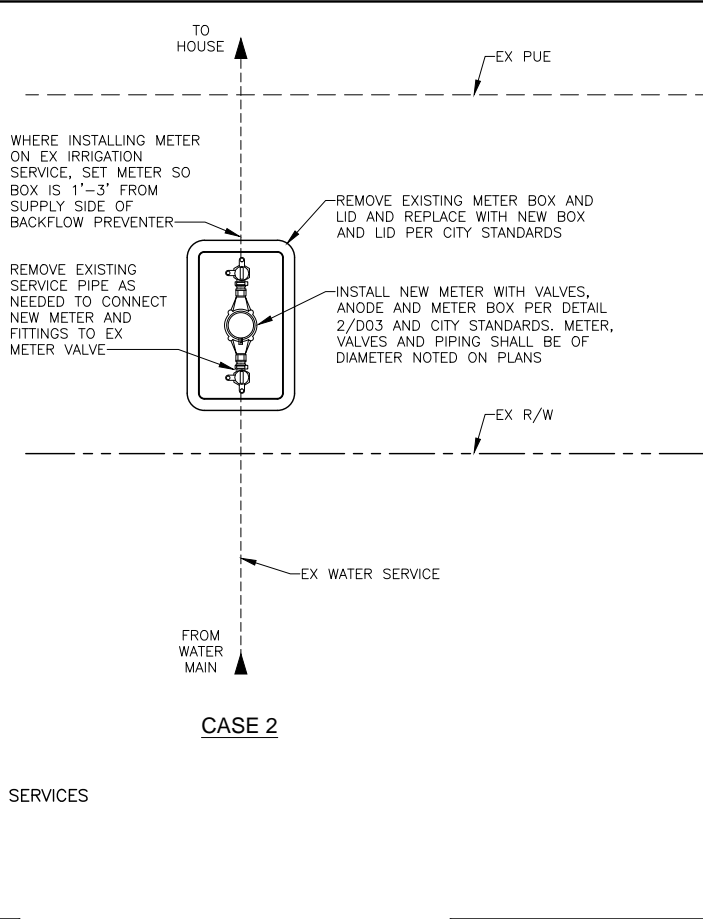
METER BOX AND LID NOTES:

- All box knock-outs for lines shall be left in place for 1", 1 1/2" and 2" meter sizes. Service lines shall be placed under lowest edge of boxes and any extensions.
- Stainless Steel pentagon-head bolts (5-sided) shall be provided with lids for 3/4" through 2" boxes in landscaped areas. Normal bolts shall be provided with traffic boxes when applicable.
- For N30 concrete boxes, steel lid or traffic rated Fibrelyte Lid is required for 3/4" and 1" services in driveways, sidewalks, concrete or other paved hard surfaces.
- Makes and models by Oldcastle Precast, as shown in the table above are approved for use. Equivalent boxes/lids by other manufacturers will be allowed subject to City Engineer review and approval. Plastic or Fibrelyte boxes/lids shall be green in color.
- Per standard specifications, allowable service line sizes are 1", 1 1/2", 2" or 4" and larger. Meter sizes may be smaller than service lines depending on flow demands.
- Lids shall have one 1 1/4" diameter hole for touch read device installation (T.R. device installation by City).
- Traffic boxes for 1 1/2" and larger services installed in A.C. pavement, or other hard surfaces shall have 12" deep by 12" wide concrete collar constructed around the exterior of the box per Standard Plan 201-2 (indicated as TOP BLOCK on Sheet 1 of 201-2).

Rev.	Description	Date	Rev.	Description	Date
CITY OF DAVIS STANDARD PLAN					
APPROVED July 11 20 17			APPROVED July 11 20 17		
DIANNA R. JENSEN			DIANNA R. JENSEN		
P.E. No. C-56636			P.E. No. C-56636		
SHEET 6 OF 6		SHEET 1 OF 2		101-11	



CASE 1

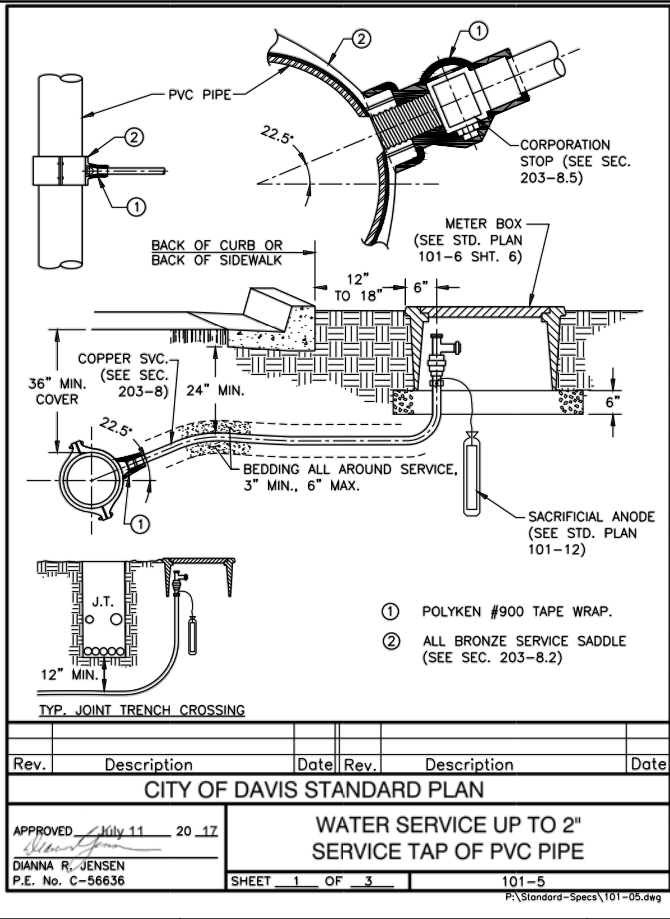


CASE 2

METER INSTALLATION ON EXISTING WATER SERVICES

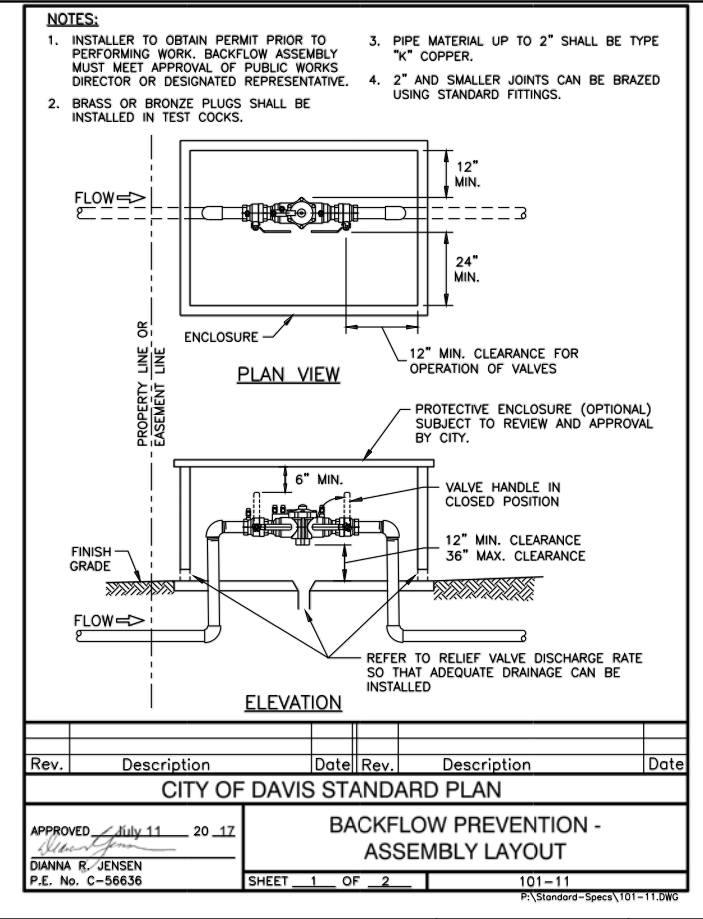
DETAIL 4 TYP NOT TO SCALE

DESIGNED	DRAWN	CHECKED	NO.	BY	DATE	REVISION	APP'D	DATE
AJU	JRR	KLW						



WATER SERVICE UP TO 2" SERVICE TAP OF PVC PIPE

Rev.	Description	Date	Rev.	Description	Date
CITY OF DAVIS STANDARD PLAN					
APPROVED July 11 20 17			APPROVED July 11 20 17		
DIANNA R. JENSEN			DIANNA R. JENSEN		
P.E. No. C-56636			P.E. No. C-56636		
SHEET 1 OF 3		SHEET 1 OF 2		101-11	



BACKFLOW PREVENTION - ASSEMBLY LAYOUT

Rev.	Description	Date	Rev.	Description	Date
CITY OF DAVIS STANDARD PLAN					
APPROVED July 11 20 17			APPROVED July 11 20 17		
DIANNA R. JENSEN			DIANNA R. JENSEN		
P.E. No. C-56636			P.E. No. C-56636		
SHEET 1 OF 2		SHEET 1 OF 2		101-11	

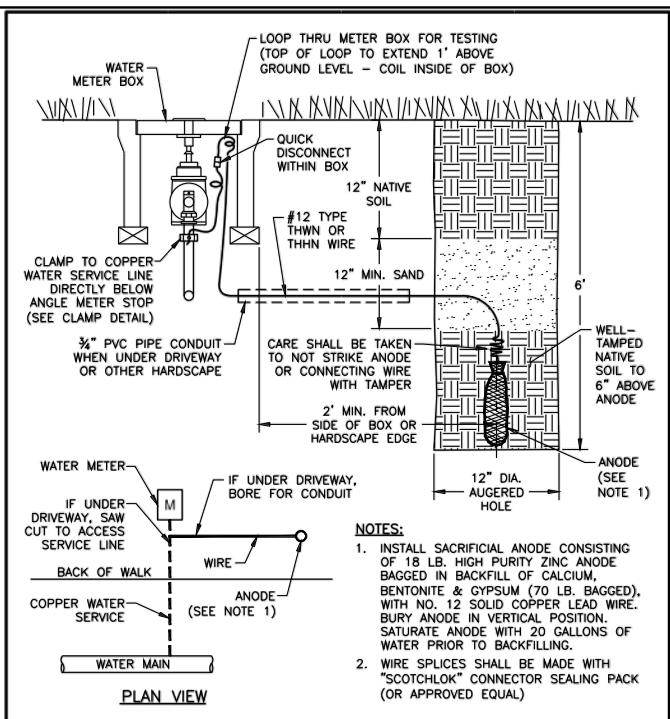
DESIGN ENGINEER
 BY ASA J. UTTERBACK
 ENGINEER'S NAME
 DATE JANUARY 12, 2018 P.E. C57700
 REGISTRATION EXPIRES 12/31/2019

WEST YOST ASSOCIATES
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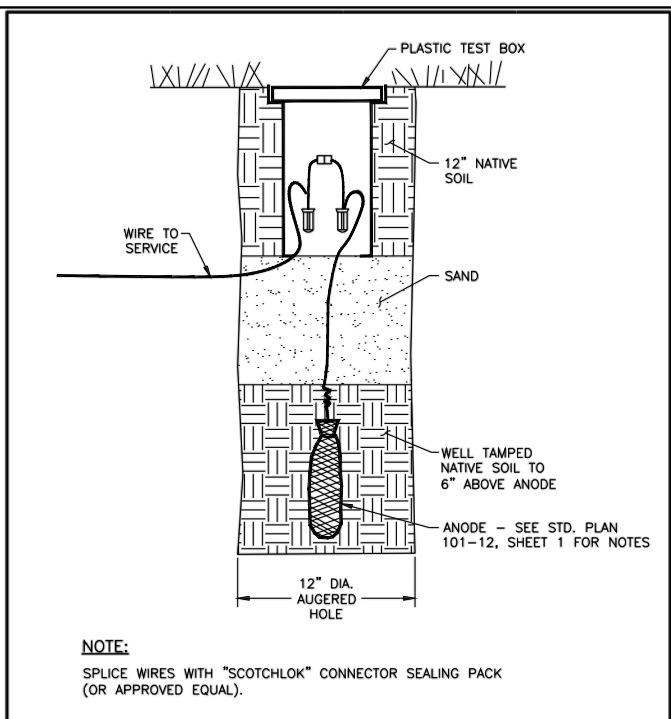
COUNTY OF YOLO DEPARTMENT OF COMMUNITY SERVICES
 IMPROVEMENT PLANS FOR
 NORTH DAVIS MEADOWS WATER SYSTEM
 CONSOLIDATION PROJECT

SCALE AS SHOWN
 DATE: 1/12/2018
 DWG NO D03
 SHEET NO 7 of 36

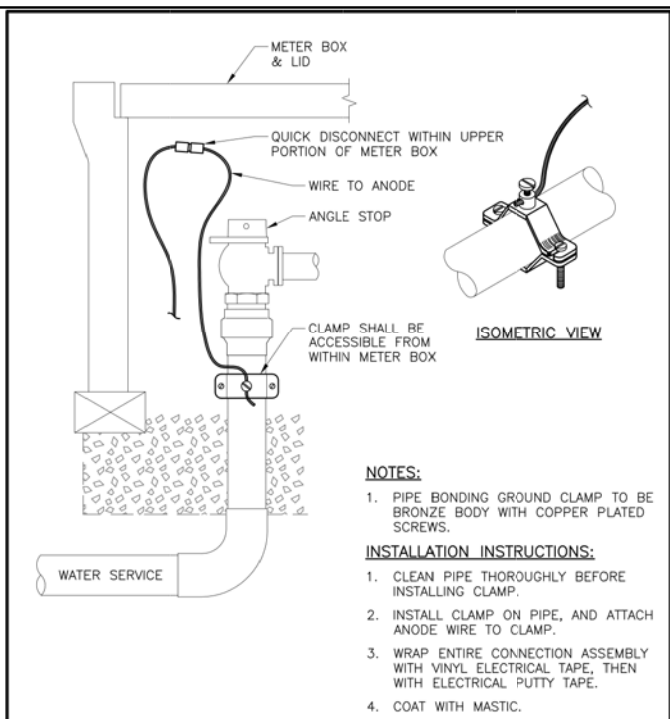
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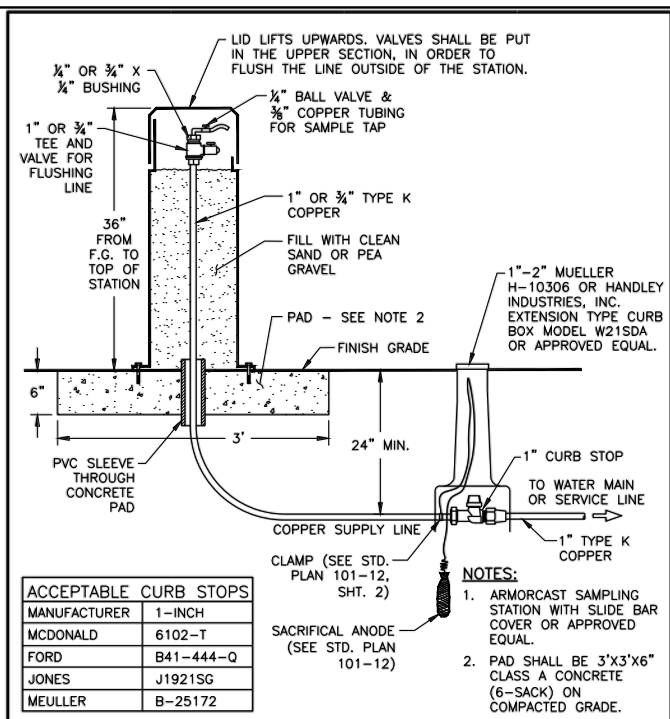
Rev.	Description	Date	Rev.	Description	Date
CITY OF DAVIS STANDARD PLAN					
2" AND SMALLER SACRIFICIAL ANODE INSTALLATION					
APPROVED July 11 20 17			APPROVED July 11 20 17		
DIANNA R. JENSEN			DIANNA R. JENSEN		
P.E. No. C-56636			P.E. No. C-56636		
SHEET 1 OF 3		101-12		P:\Standard-Specs\101-12.dwg	



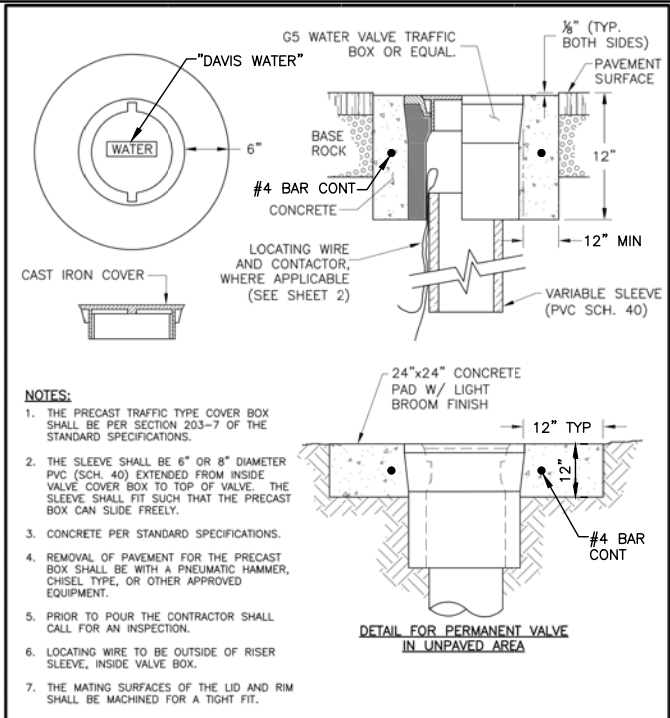
Rev.	Description	Date	Rev.	Description	Date
CITY OF DAVIS STANDARD PLAN					
SACRIFICIAL ANODE INSTALLATION WITH TEST BOX					
APPROVED July 11 20 17			APPROVED July 11 20 17		
DIANNA R. JENSEN			DIANNA R. JENSEN		
P.E. No. C-56636			P.E. No. C-56636		
SHEET 2 OF 3		101-12		P:\Standard-Specs\101-12.dwg	



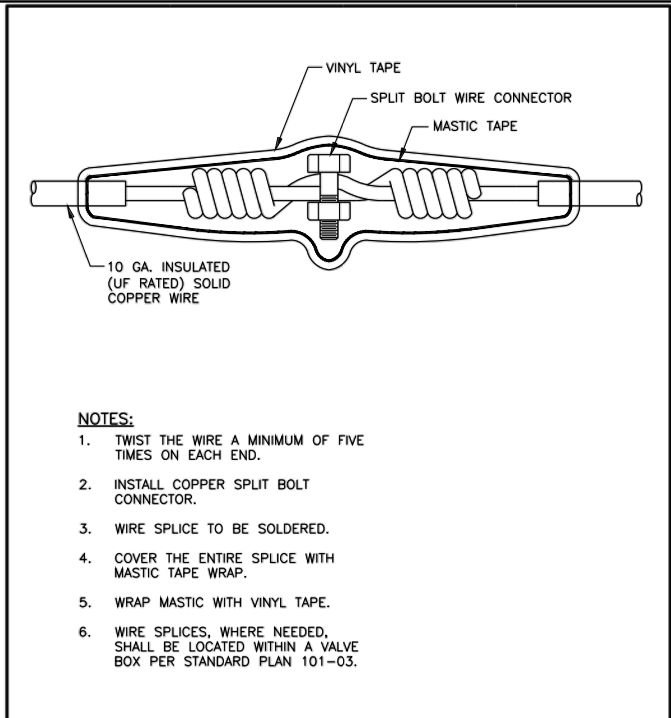
Rev.	Description	Date	Rev.	Description	Date
CITY OF DAVIS STANDARD PLAN					
ANODE WIRE CLAMP					
APPROVED July 11 20 17			APPROVED July 11 20 17		
DIANNA R. JENSEN			DIANNA R. JENSEN		
P.E. No. C-56636			P.E. No. C-56636		
SHEET 3 OF 3		101-12		P:\Standard-Specs\101-12.dwg	



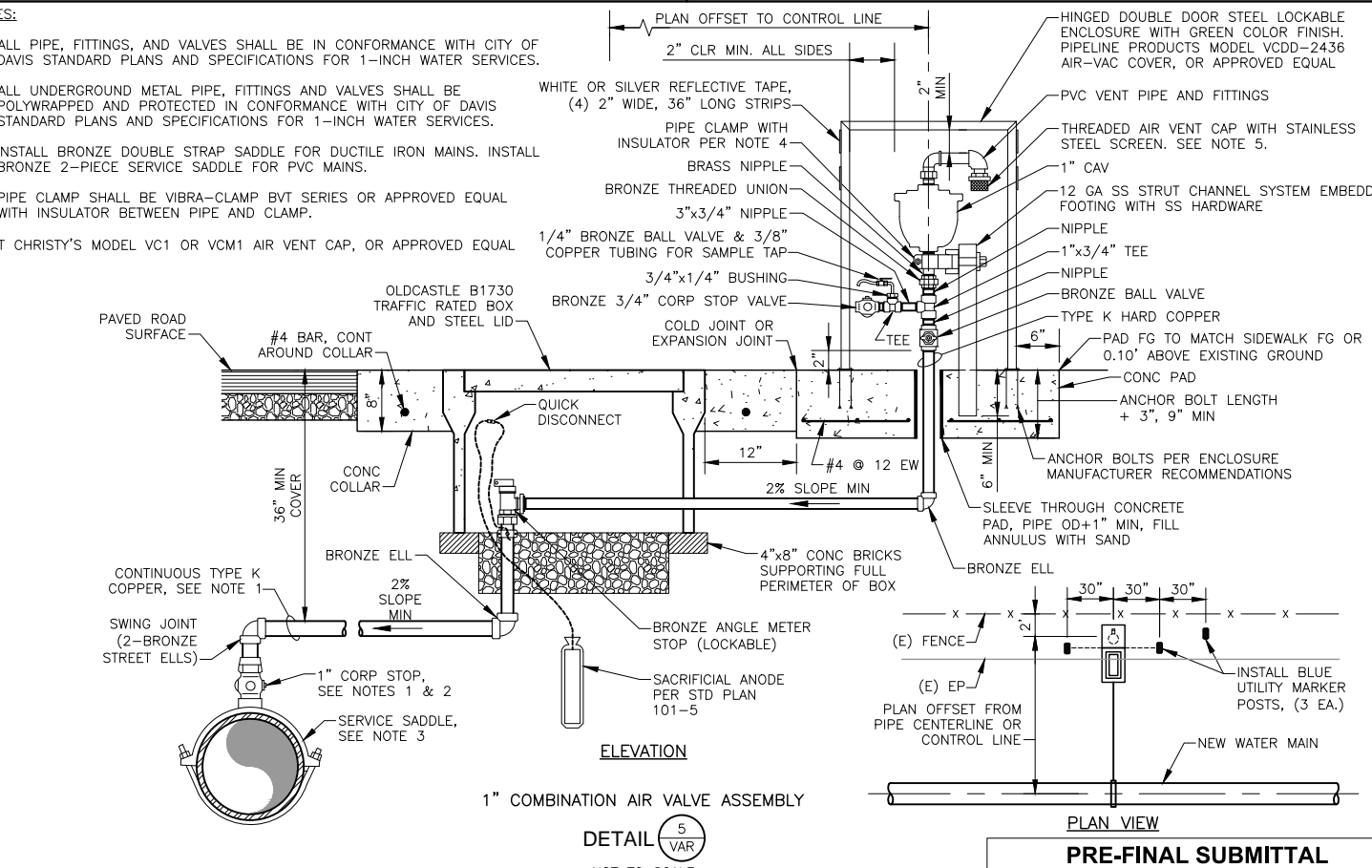
Rev.	Description	Date	Rev.	Description	Date
CITY OF DAVIS STANDARD PLAN					
WATER SAMPLING STATION					
APPROVED July 11 20 17			APPROVED July 11 20 17		
DIANNA R. JENSEN			DIANNA R. JENSEN		
P.E. No. C-56636			P.E. No. C-56636		
SHEET 1 OF 1		101-10		P:\Standard-Specs\101-10.dwg	



Rev.	Description	Date	Rev.	Description	Date
CITY OF DAVIS STANDARD PLAN					
WATER VALVE BOX (MODIFIED)					
APPROVED July 11 20 17			APPROVED July 11 20 17		
DIANNA R. JENSEN			DIANNA R. JENSEN		
P.E. No. C-56636			P.E. No. C-56636		
SHEET 1 OF 2		101-3		P:\Standard-Specs\101-03.dwg	



Rev.	Description	Date	Rev.	Description	Date
CITY OF DAVIS STANDARD PLAN					
LOCATING WIRE SPLICE					
APPROVED July 11 20 17			APPROVED July 11 20 17		
DIANNA R. JENSEN			DIANNA R. JENSEN		
P.E. No. C-56636			P.E. No. C-56636		
SHEET 2 OF 2		101-3		P:\Standard-Specs\101-03.dwg	



Rev.	Description	Date	Rev.	Description	Date
CITY OF DAVIS STANDARD PLAN					
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APPROVED July 11 20 17			APPROVED July 11 20 17		
DIANNA R. JENSEN			DIANNA R. JENSEN		
P.E. No. C-56636			P.E. No. C-56636		
SHEET 5 OF 5		101-5		P:\Standard-Specs\101-05.dwg	

DESIGNED	AJU				
DRAWN	JRR				
CHECKED	KLW				
NO.	BY	DATE	REVISION	APP'D	DATE

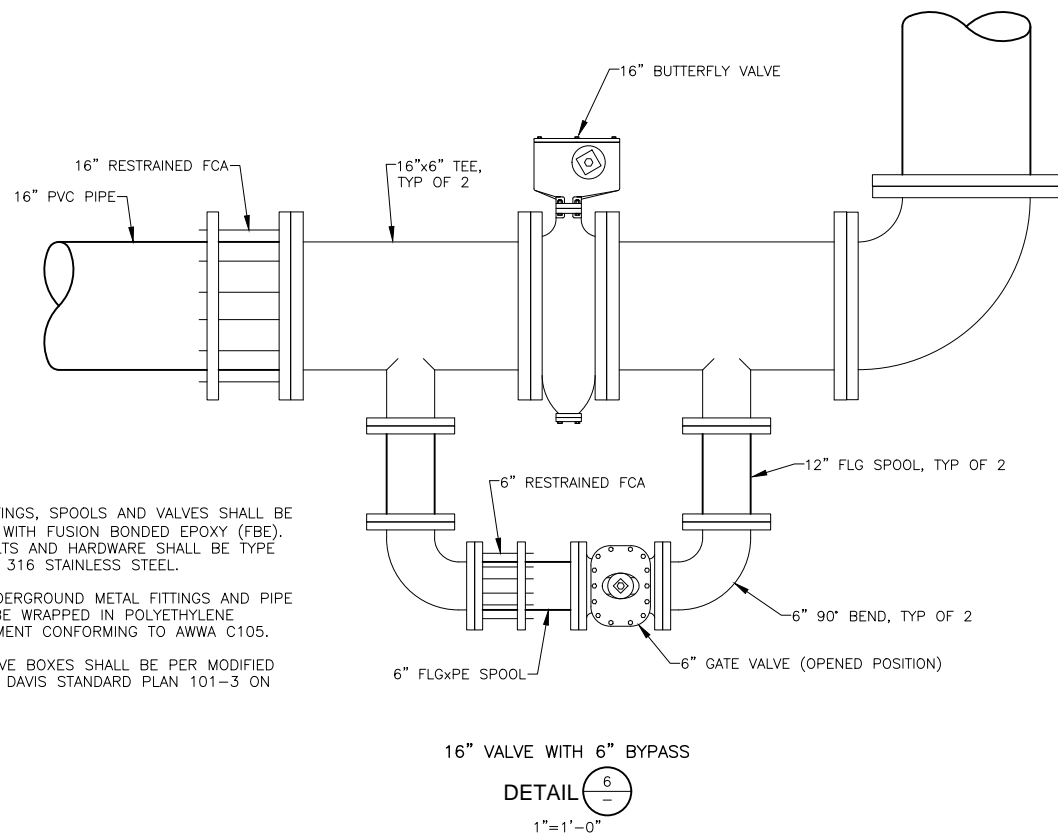
DESIGN ENGINEER
 BY ASA J. UTTERBACK
 ENGINEER'S NAME
 DATE JANUARY 12, 2018 P.E. C57700
 REGISTRATION EXPIRES 12/31/2019

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COUNTY OF YOLO DEPARTMENT OF COMMUNITY SERVICES
 IMPROVEMENT PLANS FOR
NORTH DAVIS MEADOWS WATER SYSTEM CONSOLIDATION PROJECT

SCALE
AS SHOWN
 DATE: 1/12/2018
 DWG NO
D04
 SHEET NO
8 of 36

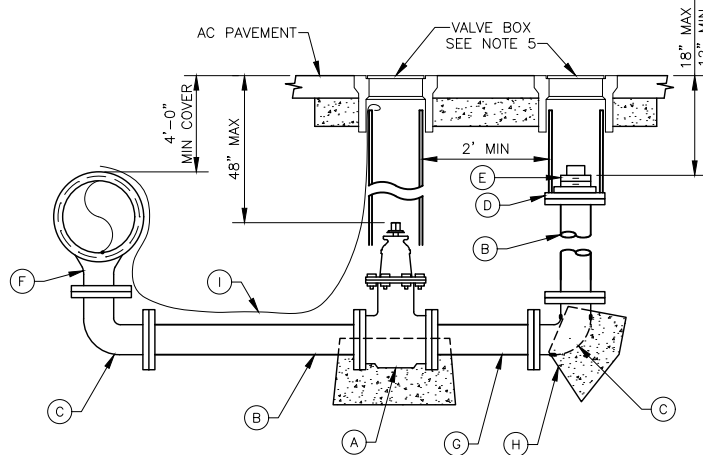
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- NOTES:
- ALL FITTINGS, SPOOLS AND VALVES SHALL BE COATED WITH FUSION BONDED EPOXY (FBE). ALL BOLTS AND HARDWARE SHALL BE TYPE 304 OR 316 STAINLESS STEEL.
 - ALL UNDERGROUND METAL FITTINGS AND PIPE SHALL BE WRAPPED IN POLYETHYLENE ENCASEMENT CONFORMING TO AWWA C105.
 - ALL VALVE BOXES SHALL BE PER MODIFIED CITY OF DAVIS STANDARD PLAN 101-3 ON D04.

- | ITEM | DESCRIPTION |
|------|--|
| A. | 4" FLG G.V. WITH 2" SQ. NUT, CLOSE CLOCKWISE |
| B. | 4" D.I.P. SPOOL |
| C. | 4" FLANGED 90° |
| D. | 4" COMPANION FLANGE, FBE COATED |
| E. | 4" BRONZE SCREW PLUG WITH NSF 61 COMPLIANT ANTI-SEIZE THREAD COMPOUND |
| F. | MJ x MJ TO FLANGE REDUCING D.I. TEE |
| G. | RESTRAIN 4" D.I.P. SPOOL TO RUN BEHIND SIDEWALK, IF APPLICABLE |
| H. | THRUST BLOCK (USE THRUST BLOCK SIZE FOR 4" PIPE PER CITY STANDARD DRAWING 101-2) |
| I. | TRACER WIRE |
- LOW POINT BLOWOFF**
DETAIL 7
 NOT TO SCALE

- NOTES:
- FOR SIZE OF BLOW-OFF ON MAINS LARGER THAN 16", CONSULT CITY ENGINEER.
 - COAT VALVE WITH FBE COATING AND POLYWRAP, SEE SPECIFICATIONS.
 - ALL BOLTS SHALL BE STAINLESS STEEL TYPE 316, OR APPROVED EQUAL. ANTI-SEIZE LUBRICANT SHALL BE APPLIED TO BOLT THREADS.
 - ALL DUCTILE IRON SPOOLS AND FITTINGS SHALL BE FBE COATED. POLYWRAP ALL FERROUS PIPE AND FITTINGS.
 - ALL VALVE BOXES SHALL BE PER MODIFIED CITY OF DAVIS STANDARD PLAN 101-3 ON D04.



REQUIRED BEARING AREA - TOTAL SQUARE FEET							
FITTING TYPE	90° BEND	45° BEND	11 1/4" OR 22 1/2" BEND	TEE OR DEAD END	TEE W/ PLUG	CROSS W/ PLUG	CROSS W/ PLUGS
TYPICAL INSTALLATION							
PIPE SIZES	4"	6"	8"	10"	12"	14"	16"
	2	1	1	2	2	2	2
	4	2	1	3	4	4	4
	7	4	2	5	7	7	7
	12	6	3	8	12	12	12
	16	10	5	12	16	16	16

- NOTES:
- THRUST BLOCKS TO BE CONSTRUCTED OF CLASS "C" CONCRETE.
 - AREAS GIVEN ARE FOR CLASS 200 PIPE AT TEST PRESSURE OF 150 P.S.I. IN SOIL WITH 2,000 P.S.F. BEARING CAPACITY. INSTALLATIONS USING DIFFERENT PIPE, TEST PRESSURES, AND/OR SOLID TYPES SHOULD ADJUST AREAS ACCORDINGLY, SUBJECT TO APPROVAL OF ENGINEER.
 - BLOCKS SHALL BE POURED AGAINST UNDISTURBED SOIL.
 - CONCRETE SHALL BE KEPT CLEAR OF JOINTS AND FACES OF PLUGS. ALL FITTINGS SHALL BE WRAPPED WITH 8 MIL. PLASTIC SO THAT CONCRETE DOES NOT CONTACT WATER MAIN.
 - THRUST BLOCKS NOT MEETING THIS DETAIL OR THE USE OF OTHER MEANS TO RESIST WATER HAMMER ACTION MUST BE APPROVED BY THE CITY ENGINEER PRIOR TO INSTALLATION.
 - THRUST BLOCKS SHALL NOT BE LOCATED OR SIZED TO ENCASE ADJACENT PIPES OR FITTINGS.
 - FOR PIPES LARGER THAN 12" CALCULATIONS SHALL BE SUBMITTED PRIOR TO DESIGN APPROVAL.

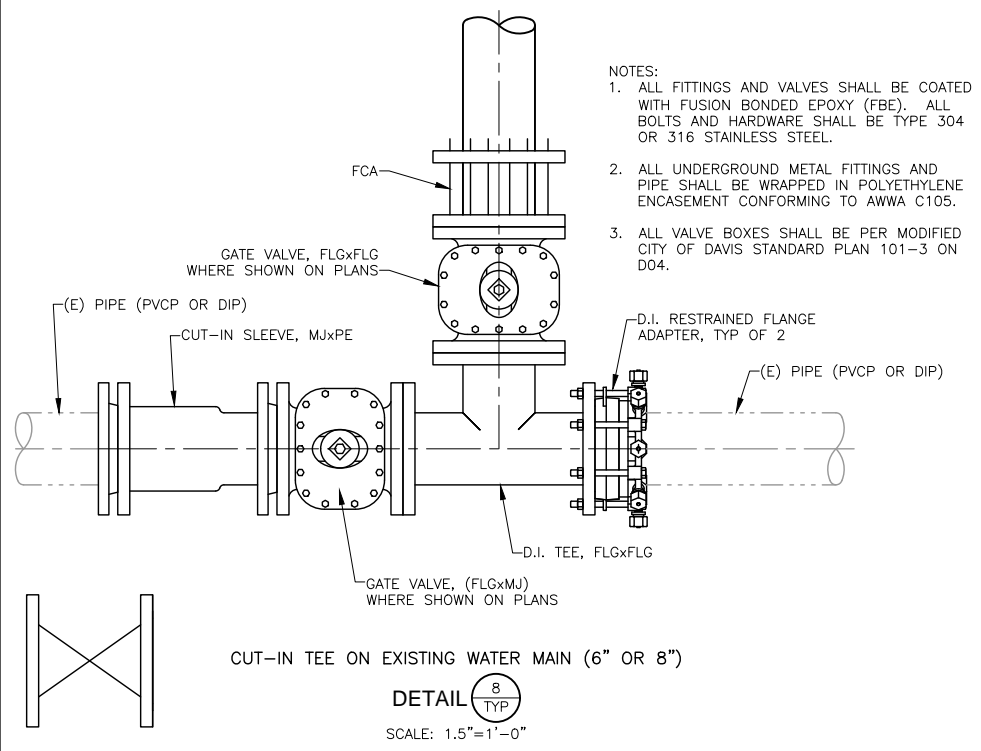
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

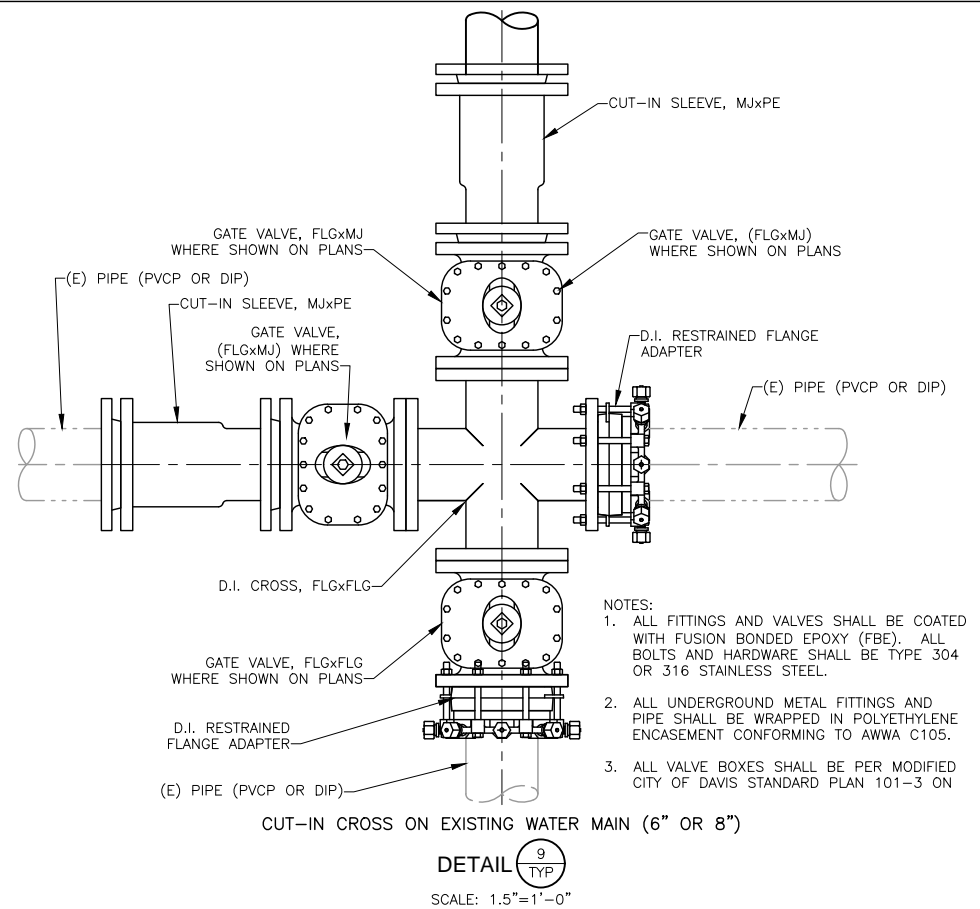
APPROVED July 11, 2017
 DIANNA R. JENSEN
 P.E. No. C-56636

THRUST BLOCK AREA FOR WATER MAINS

SHEET 1 OF 1 101-2

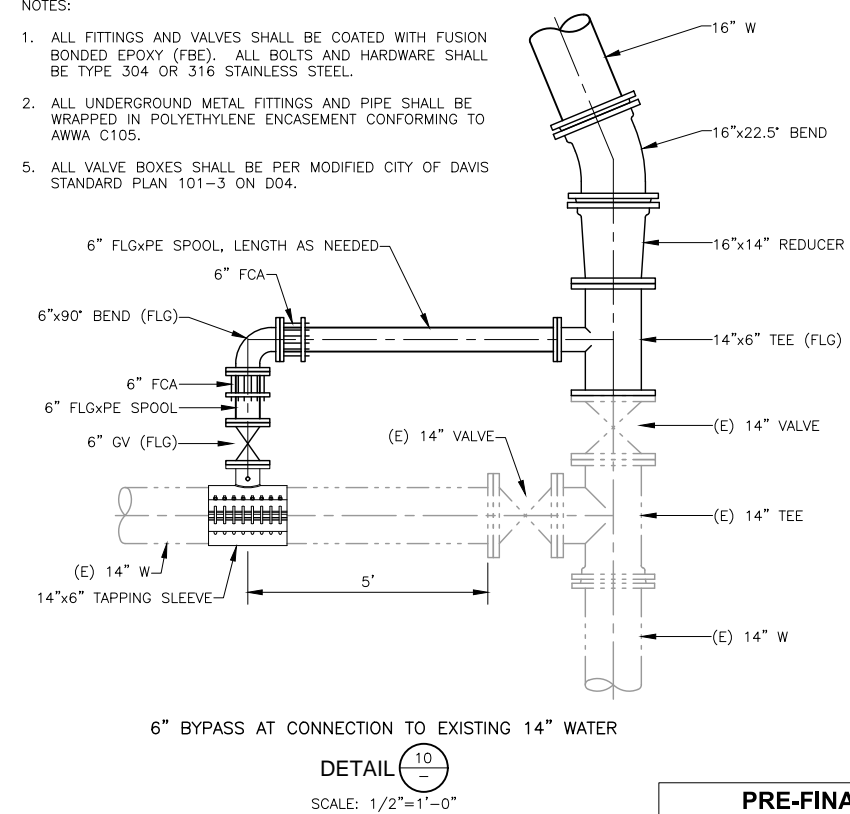


- NOTES:
- ALL FITTINGS AND VALVES SHALL BE COATED WITH FUSION BONDED EPOXY (FBE). ALL BOLTS AND HARDWARE SHALL BE TYPE 304 OR 316 STAINLESS STEEL.
 - ALL UNDERGROUND METAL FITTINGS AND PIPE SHALL BE WRAPPED IN POLYETHYLENE ENCASEMENT CONFORMING TO AWWA C105.
 - ALL VALVE BOXES SHALL BE PER MODIFIED CITY OF DAVIS STANDARD PLAN 101-3 ON D04.



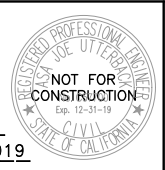
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DESIGNED_AJU					
DRAWN_JRR					
CHECKED_KLW					
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DESIGN ENGINEER
 BY ASA J. UTTERBACK
 ENGINEER'S NAME
 DATE JANUARY 12, 2018 P.E. C57700
 REGISTRATION EXPIRES 12/31/2019



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COUNTY OF YOLO DEPARTMENT OF COMMUNITY SERVICES
 IMPROVEMENT PLANS FOR
 NORTH DAVIS MEADOWS WATER SYSTEM
 CONSOLIDATION PROJECT

DETAILS 2

SCALE
 AS SHOWN

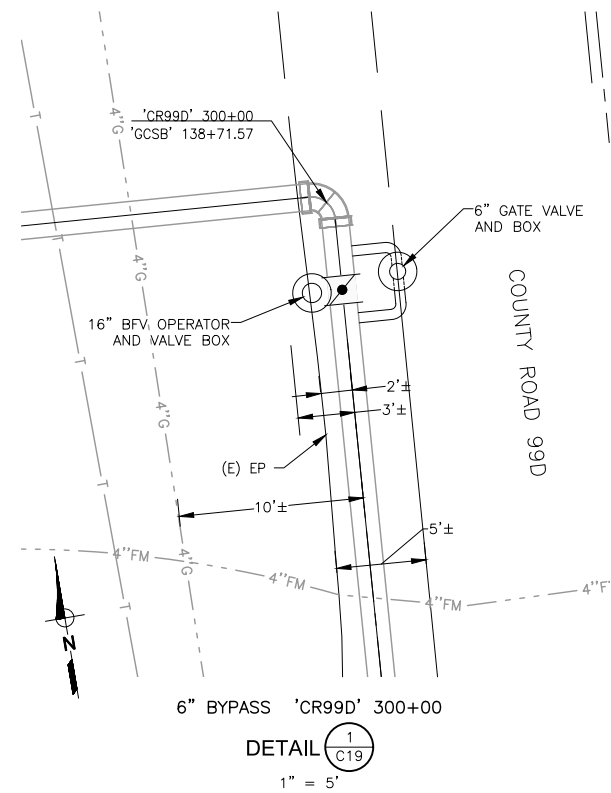
DATE: 1/12/2018

DWG NO
D05

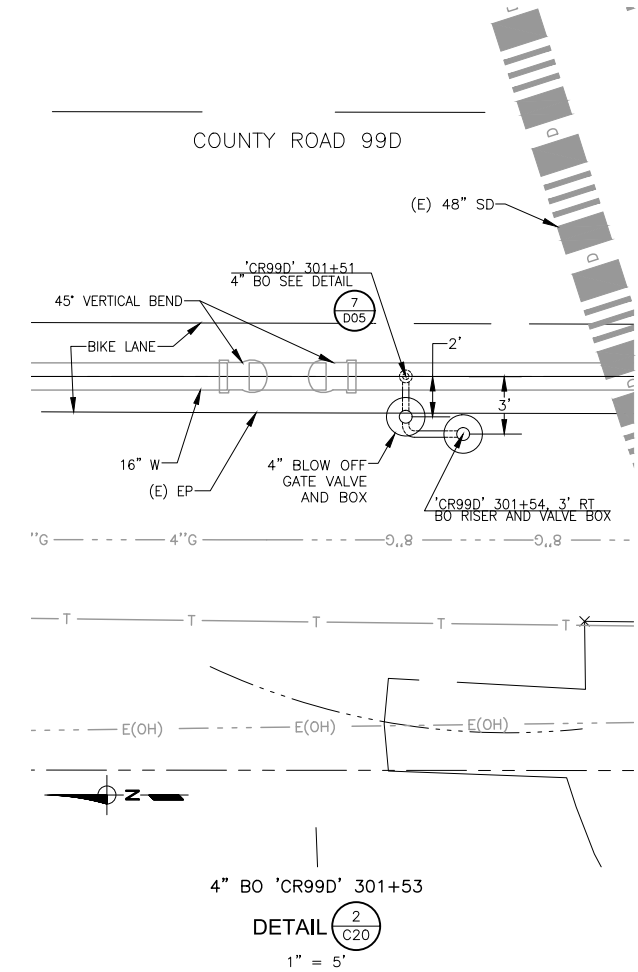
SHEET NO
9 of 36

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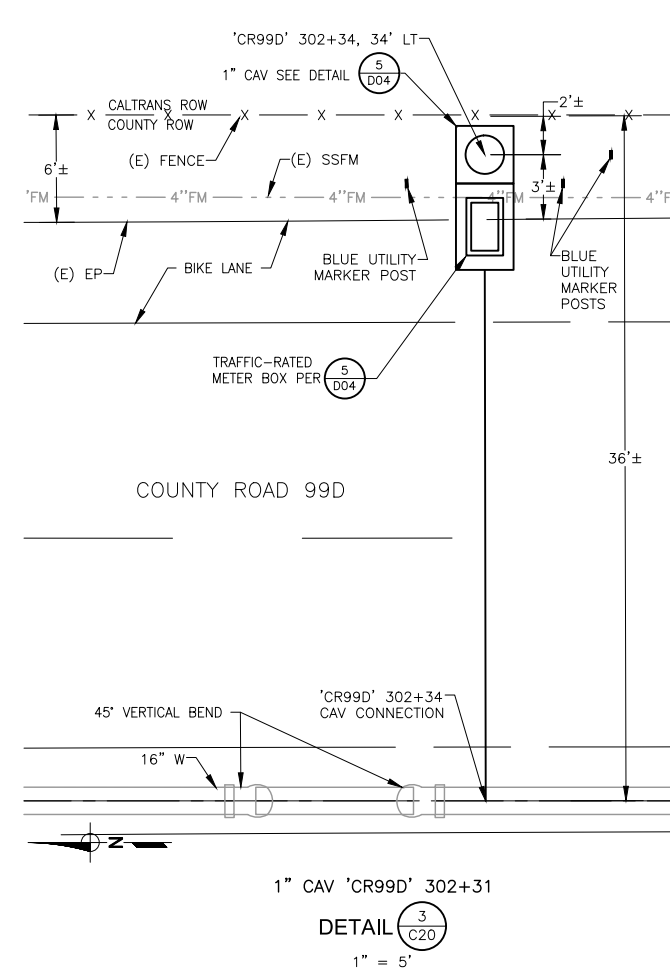
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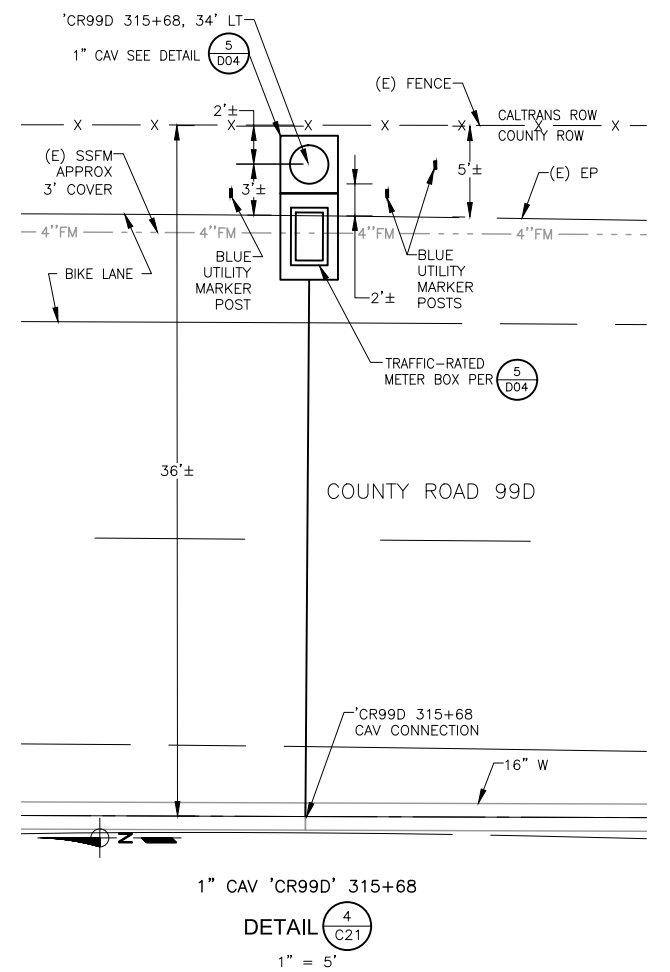
6" BYPASS 'CR99D' 300+00
 DETAIL 1
 C19
 1" = 5'



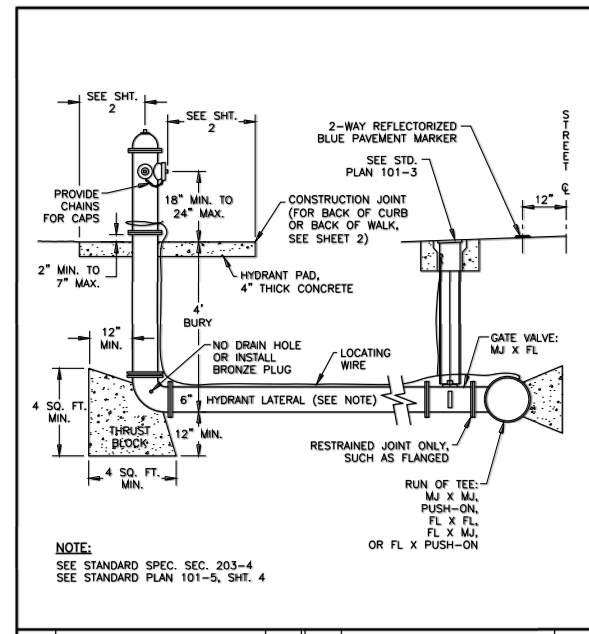
4" BO 'CR99D' 301+53
 DETAIL 2
 C20
 1" = 5'



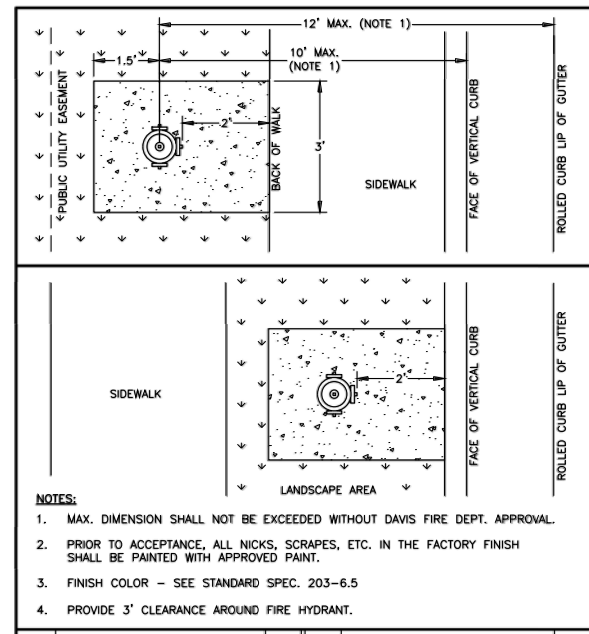
1" CAV 'CR99D' 302+31
 DETAIL 3
 C20
 1" = 5'



1" CAV 'CR99D' 315+68
 DETAIL 4
 C21
 1" = 5'



Rev.	Description	Date	Rev.	Description	Date
CITY OF DAVIS STANDARD PLAN					
APPROVED July 11 20 17					
DIANNA R. JENSEN P.E. No. C-56636					
SHEET 1 OF 2					
101-1 P:\Standard-Specs\101-01.dwg					

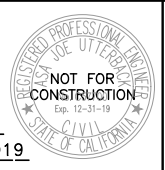


Rev.	Description	Date	Rev.	Description	Date
CITY OF DAVIS STANDARD PLAN					
APPROVED July 11 20 17					
DIANNA R. JENSEN P.E. No. C-56636					
SHEET 2 OF 2					
101-1 P:\Standard-Specs\101-01.dwg					

- NOTES:
- MAX. DIMENSION SHALL NOT BE EXCEEDED WITHOUT DAVIS FIRE DEPT. APPROVAL.
 - PRIOR TO ACCEPTANCE, ALL NICKS, SCRAPES, ETC. IN THE FACTORY FINISH SHALL BE PAINTED WITH APPROVED PAINT.
 - FINISH COLOR - SEE STANDARD SPEC. 203-6.5
 - PROVIDE 3' CLEARANCE AROUND FIRE HYDRANT.

DESIGNED	AJU				
DRAWN	JRR				
CHECKED	KLW				
NO.	BY	DATE	REVISION	APP'D	DATE

DESIGN ENGINEER
 BY ASA J. UTTERBACK
 ENGINEER'S NAME
 DATE JANUARY 12, 2018 P.E. C57700
 REGISTRATION EXPIRES 12/31/2019



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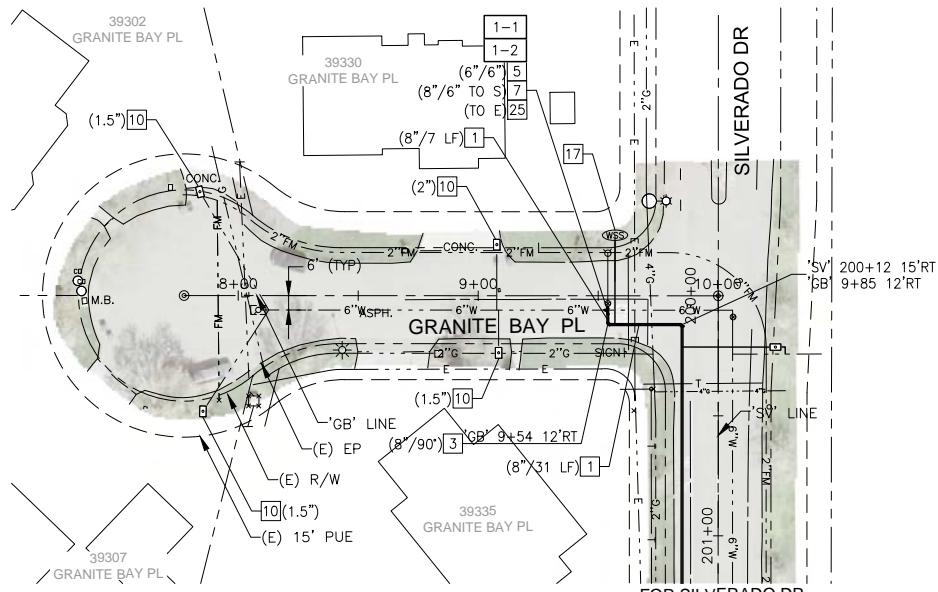
COUNTY OF YOLO DEPARTMENT OF COMMUNITY SERVICES
 IMPROVEMENT PLANS FOR
 NORTH DAVIS MEADOWS WATER SYSTEM
 CONSOLIDATION PROJECT

SCALE
 AS SHOWN
 DATE: 1/12/2018
 DWG NO
 D07
 SHEET NO
 11 of 36

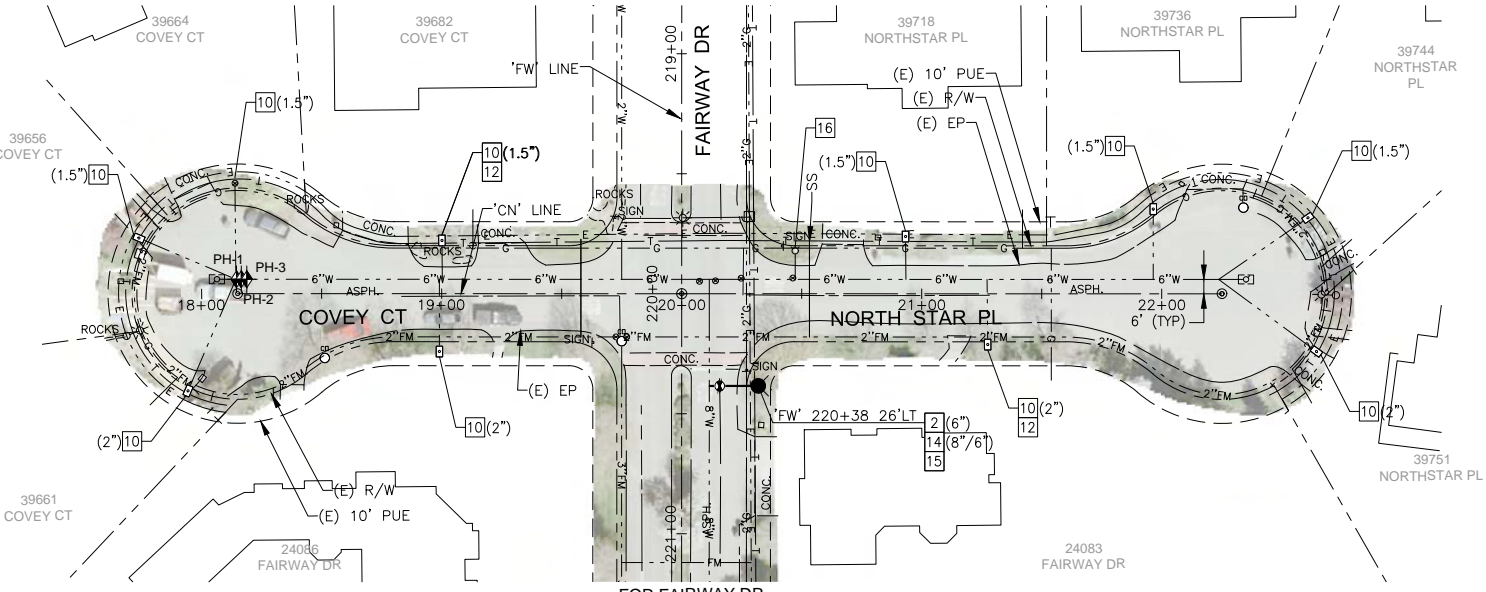
PRE-FINAL SUBMITTAL

DETAILS 4

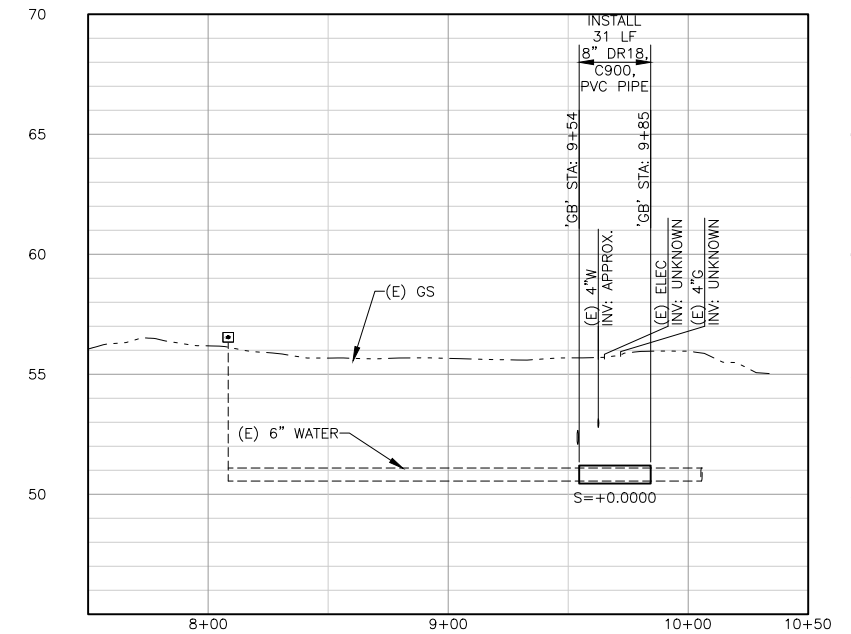
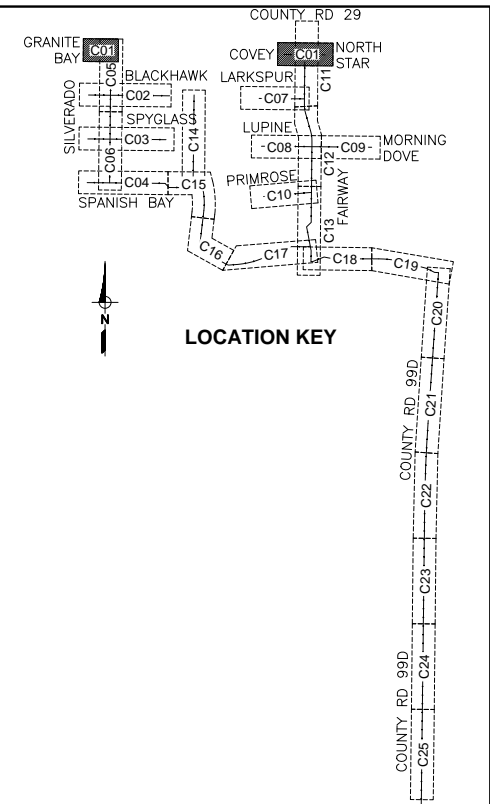
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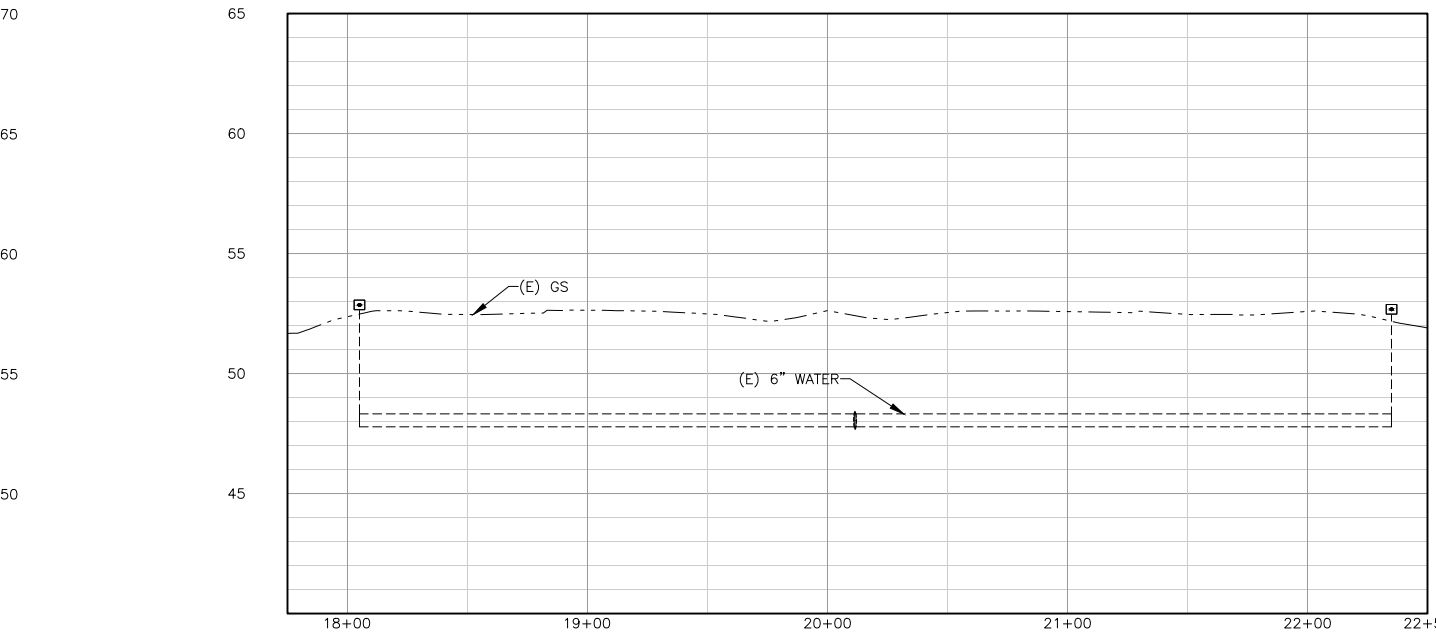
LINE 'GB' PLAN
SCALE IN FEET



LINE 'CN' PLAN
SCALE IN FEET



LINE 'GB' PROFILE
SCALE: H:1"=40', V:1"=4'



LINE 'CN' PROFILE
SCALE: H:1"=40', V:1"=4'

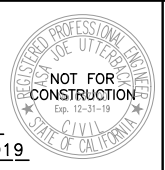
- CONSTRUCTION NOTES:**
- 1 INSTALL WATER PIPE (DIAMETER/LENGTH)
 - 2 INSTALL GATE VALVE (SIZE)
 - 3 INSTALL HORIZONTAL BEND (SIZE/ANGLE)
 - 5 INSTALL TEE (SIZE/SIZE)
 - 7 INSTALL REDUCER (SIZE/SIZE)
 - 10 INSTALL 1-INCH METER WITH VALVES, ANODE AND BOX ON EXISTING SERVICE (SIZE) PER DETAIL 3/SHT 7
 - 12 LOCATE AND EXPOSE EXISTING SERVICE VALVE
 - 14 INSTALL CUT-IN TEE PER DETAIL 8/SHT 9 (SIZE/SIZE)
 - 15 INSTALL NEW FIRE HYDRANT ASSEMBLY WITH CONCRETE ANCHOR PER CITY STANDARD DETAIL 101-1. (SEE SHT D07)
 - 16 REMOVE EXISTING FIRE HYDRANT ASSEMBLY, LATERAL AND VALVE. INSTALL BLIND FLANGE WHERE VALVE WAS REMOVED
 - 17 INSTALL WATER SAMPLING STATION COMPLETE WITH 1-INCH SERVICE PER CITY OF DAVIS STD DETAIL 101-10
 - 25 CUT, CAP AND ABANDON EXISTING DISCONNECTED WATER

- SPECIAL CONSTRUCTION NOTES:**
- 1-1 PROVIDE AND INSTALL ADDITIONAL TEMPORARY FITTINGS AND PIPING AS NEEDED FOR STAGED FILLING, TESTING AND CONNECTION. REMOVE ALL TEMPORARY MATERIALS AND MAKE FINAL CONNECTIONS UNDER FULL-TIME INSPECTION.
 - 1-2 REMOVE EXISTING TEE AND PIPE AS NEEDED TO CONNECT NEW WATER MAIN AS SHOWN. ALSO REMOVE AND RESET EXISTING 6" AUXILIARY HYDRANT VALVE AND FITTINGS AS NEEDED TO MAKE NEW CONNECTIONS.

PRE-FINAL SUBMITTAL

DESIGNED	AJU				
DRAWN	JRR				
CHECKED	KLW				
NO.	BY	DATE	REVISION	APP'D	DATE

DESIGN ENGINEER
BY ASA J. UTTERBACK
ENGINEER'S NAME
DATE JANUARY 12, 2018 P.E. C57700
REGISTRATION EXPIRES 12/31/2019

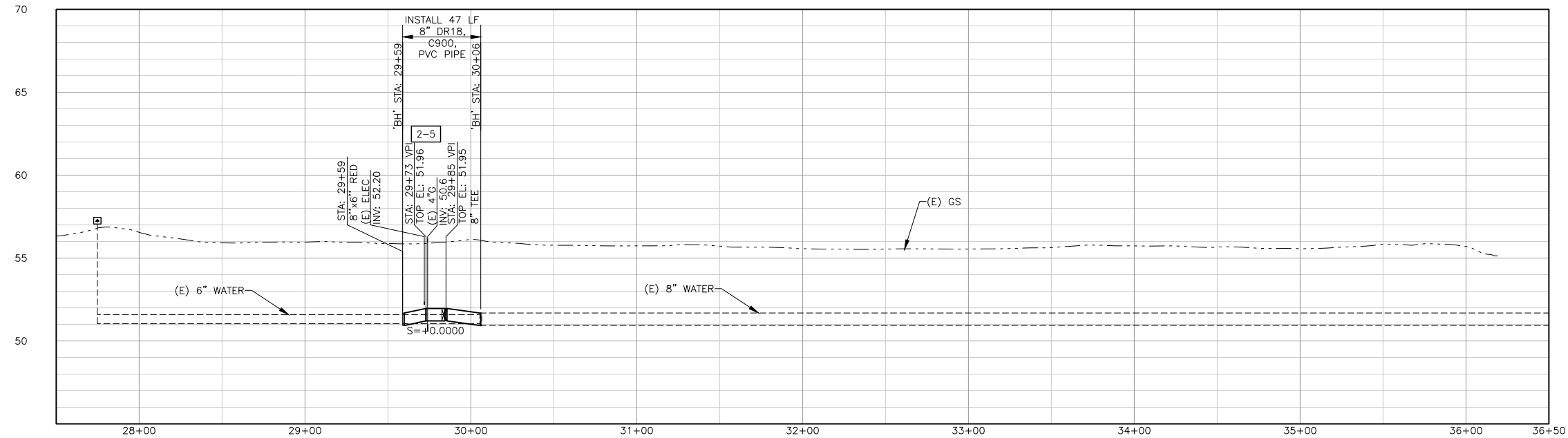
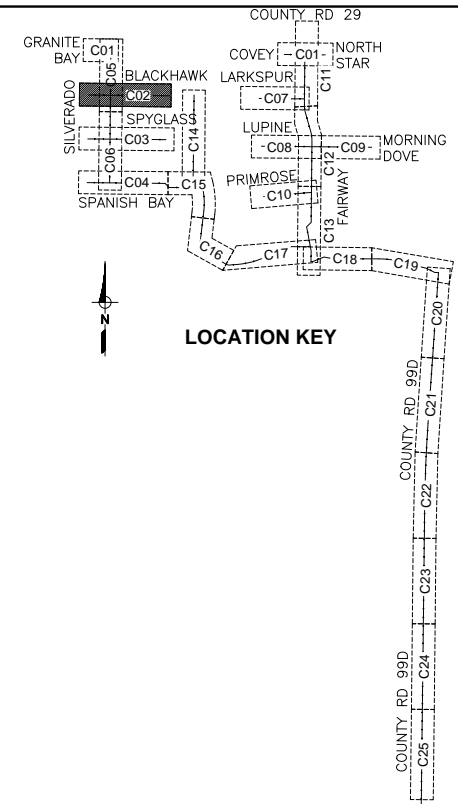
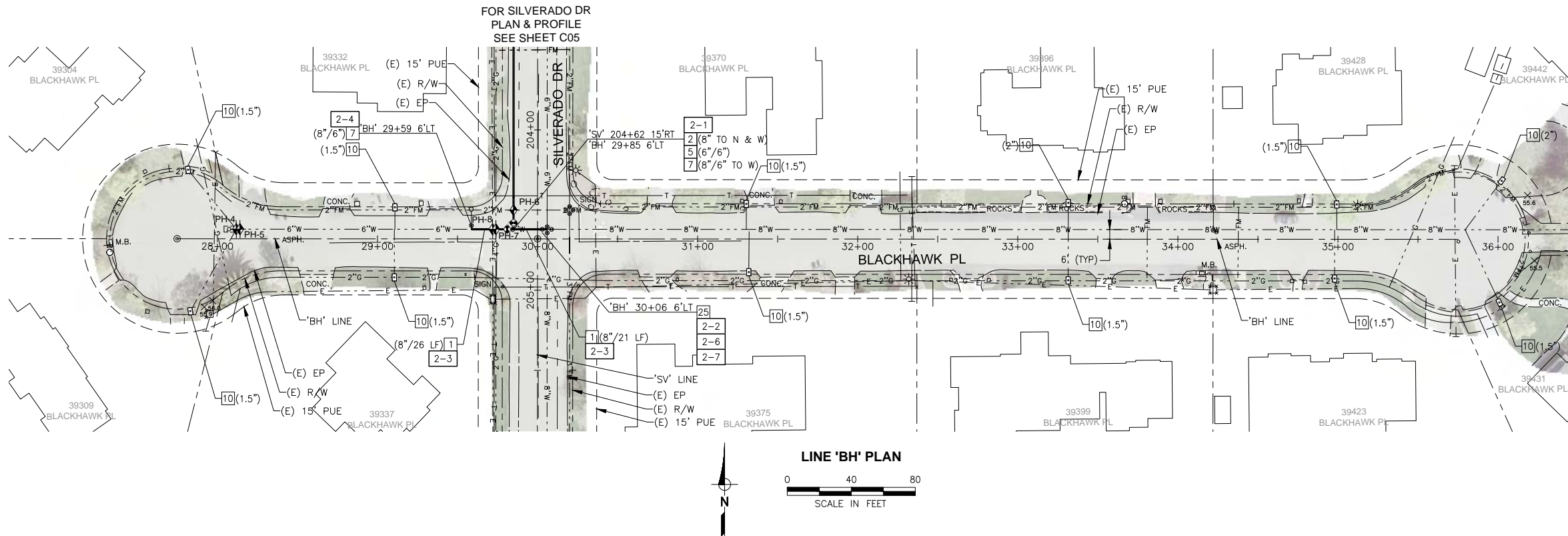


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COUNTY OF YOLO DEPARTMENT OF COMMUNITY SERVICES
IMPROVEMENT PLANS FOR
NORTH DAVIS MEADOWS WATER SYSTEM CONSOLIDATION PROJECT
GRANITE BAY PL - COVEY CT -
NORTH STAR PL PLAN AND PROFILE

SCALE
AS SHOWN
DATE: 1/12/2018
DWG NO
C01
SHEET NO
12 of 36

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CONSTRUCTION NOTES:

- 1 INSTALL WATER PIPE (DIAMETER/LENGTH)
- 2 INSTALL GATE VALVE (SIZE)
- 5 INSTALL TEE (SIZE/SIZE)
- 7 INSTALL REDUCER (SIZE/SIZE)
- 10 INSTALL 1-INCH METER WITH VALVES, ANODE AND BOX ON EXISTING SERVICE (SIZE) PER DETAIL 3/SHT 7
- 25 CUT, CAP AND ABANDON EXISTING DISCONNECTED WATER

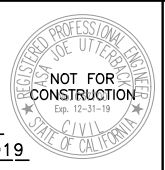
SPECIAL CONSTRUCTION NOTES:

- 2-1 PROVIDE AND INSTALL ADDITIONAL TEMPORARY FITTINGS AND PIPING AS NEEDED FOR STAGED FILLING, TESTING AND CONNECTION. REMOVE ALL TEMPORARY MATERIALS AND MAKE FINAL CONNECTIONS UNDER FULL-TIME INSPECTION.
- 2-2 REMOVE EXISTING 8"x6" REDUCER, 6" GV AND PIPE AS NEEDED TO INSTALL AND CONNECT NEW WATER MAIN AS SHOWN.
- 2-3 ALL REMOVAL AND INSTALLATION WORK WHERE PIPE AND/OR FITTINGS ARE BEING REPLACED IN THE SAME POSITION SHALL BE PERFORMED UNDER CONTINUOUS INSPECTION FOR IMMEDIATE REACTIVATION.
- 2-4 DISCONNECT AND REMOVE EXISTING PIPE. CONNECT NEW REDUCER TO EXISTING 6" TEE. INSTALL ECCENTRIC REDUCER FOR NOTE 5, THIS LOCATION
- 2-5 INSTALL MECHANICAL JOINT (MJ) COUPLING ON PLAIN PIPE END AT PVI. ADJUST PVI ELEVATION TO SPLIT THE AVAILABLE CLEARANCE BETWEEN GAS AND TELECOMMUNICATIONS CROSSINGS. INSTALL COUPLING WITH EQUAL DEFLECTIONS ON EACH JOINT OF THE COUPLING.
- 2-6 REMOVE EXISTING 6" GV TO NORTH AND REPLACE WITH BLIND FLANGE.
- 2-7 REMOVE AND REPLACE EXISTING VALVE BOXES FOR REMAINING GATE VALVES.

PRE-FINAL SUBMITTAL

DESIGNED_AJU					
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CHECKED_KLW					
NO.	BY	DATE	REVISION	APP'D	DATE

DESIGN ENGINEER
BY ASA J. UTTERBACK
ENGINEER'S NAME
DATE JANUARY 12, 2018 P.E. C57700
REGISTRATION EXPIRES 12/31/2019

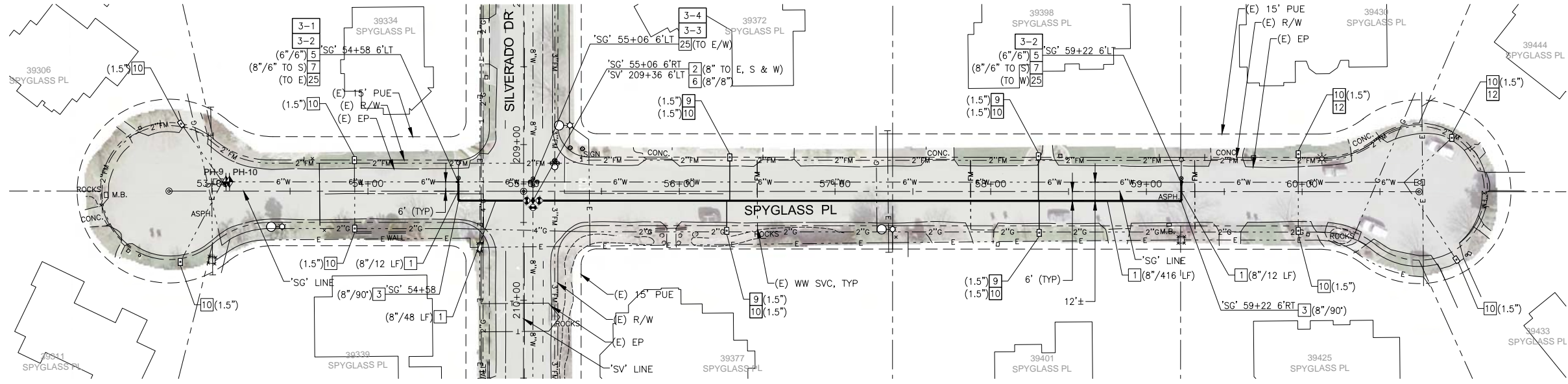


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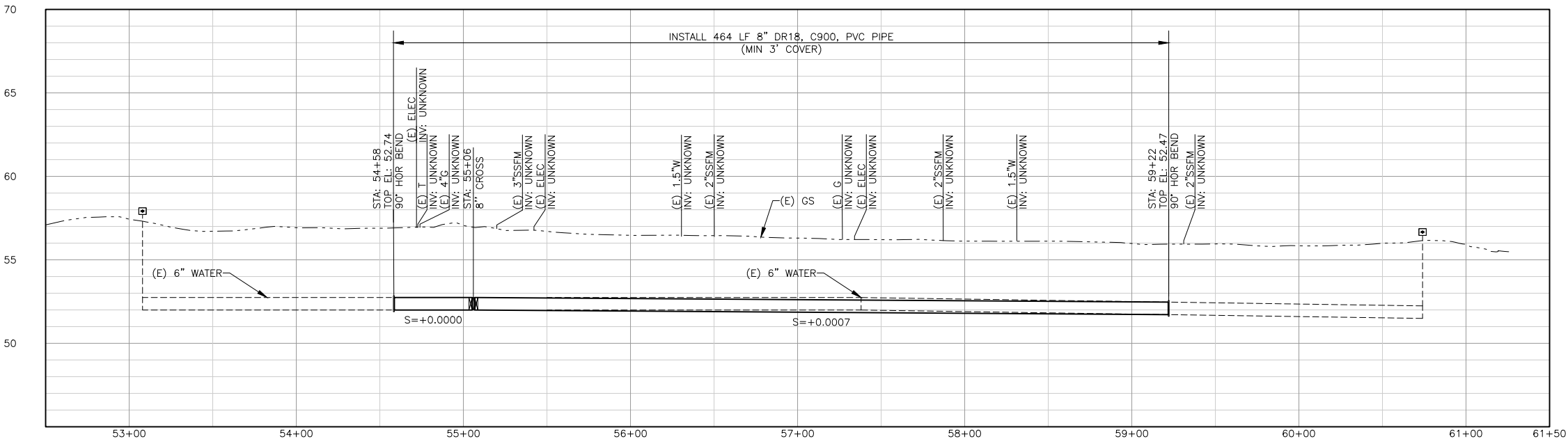
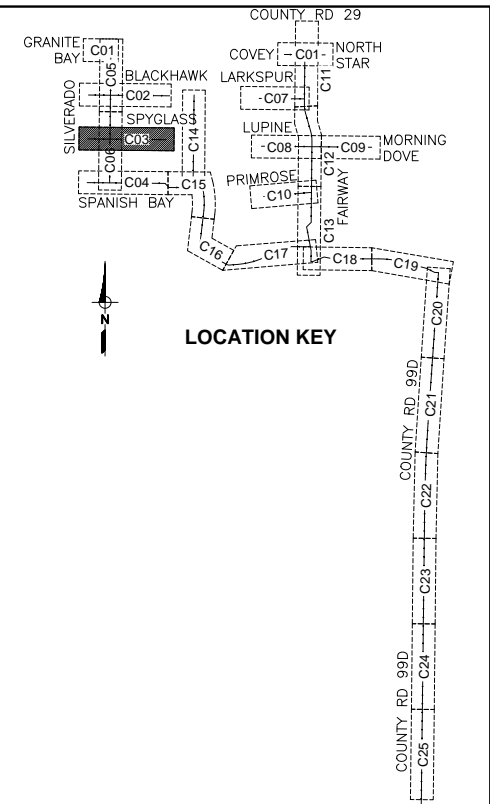
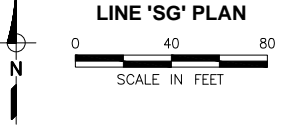
COUNTY OF YOLO DEPARTMENT OF COMMUNITY SERVICES
IMPROVEMENT PLANS FOR
**NORTH DAVIS MEADOWS WATER SYSTEM
CONSOLIDATION PROJECT**

SCALE
AS SHOWN
DATE: 1/12/2018
DWG NO
C02
SHEET NO
13 of 36

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FOR SILVERADO DR
PLAN & PROFILE
SEE SHEET C06



LINE 'SG' PROFILE
SCALE: H:1"=40', V:1"=4'

CONSTRUCTION NOTES:

- 1 INSTALL WATER PIPE (DIAMETER/LENGTH)
- 2 INSTALL GATE VALVE (SIZE)
- 3 INSTALL HORIZONTAL BEND (SIZE/ANGLE)
- 5 INSTALL TEE (SIZE/SIZE)
- 6 INSTALL CUT-IN CROSS (SIZE)
- 7 INSTALL REDUCER (SIZE/SIZE)
- 9 INSTALL WATER SERVICE LATERAL (SIZE)
- 10 INSTALL 1-INCH METER WITH VALVES, ANODE AND BOX ON EXISTING SERVICE (SIZE) PER DETAIL 3/SHT 7
- 12 LOCATE AND EXPOSE EXISTING SERVICE VALVE
- 25 CUT, CAP AND ABANDON EXISTING DISCONNECTED WATER

SPECIAL CONSTRUCTION NOTES:

- 3-1 PROVIDE AND INSTALL ADDITIONAL TEMPORARY FITTINGS AND PIPING AS NEEDED FOR STAGED FILLING, TESTING AND CONNECTION. REMOVE ALL TEMPORARY MATERIALS AND MAKE FINAL CONNECTIONS UNDER FULL-TIME INSPECTION.
- 3-2 REMOVE EXISTING TEE AND PIPE AS NEEDED TO CONNECT NEW WATER MAIN AS SHOWN. ALSO REMOVE AND RESET EXISTING 6" AUXILIARY HYDRANT VALVE AND FITTINGS AS NEEDED TO MAKE NEW CONNECTIONS. REMOVE EXISTING CROSS AND GATE VALVES TO EAST, NORTH AND WEST. GATE VALVE TO SOUTH TO REMAIN. REPLACE CROSS WITH 8" PIPE AND 8" CUT-IN SLEEVE IN NORTH-SOUTH DIRECTION.
- 3-3 REMOVE AND REPLACE EXISTING VALVE BOX FOR REMAINING GATE VALVE.

PRE-FINAL SUBMITTAL

DESIGNED_AJU					
DRAWN_JRR					
CHECKED_KLW					
	NO.	BY	DATE	REVISION	APP'D DATE

DESIGN ENGINEER
BY ASA J. UTTERBACK
ENGINEER'S NAME
DATE JANUARY 12, 2018 P.E. C57700
REGISTRATION EXPIRES 12/31/2019

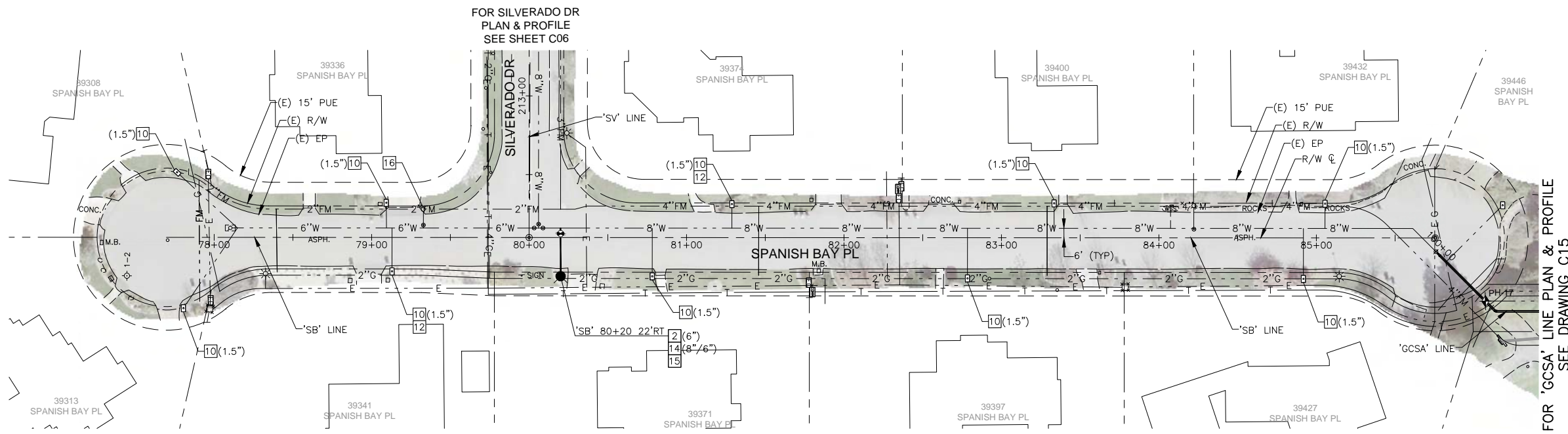


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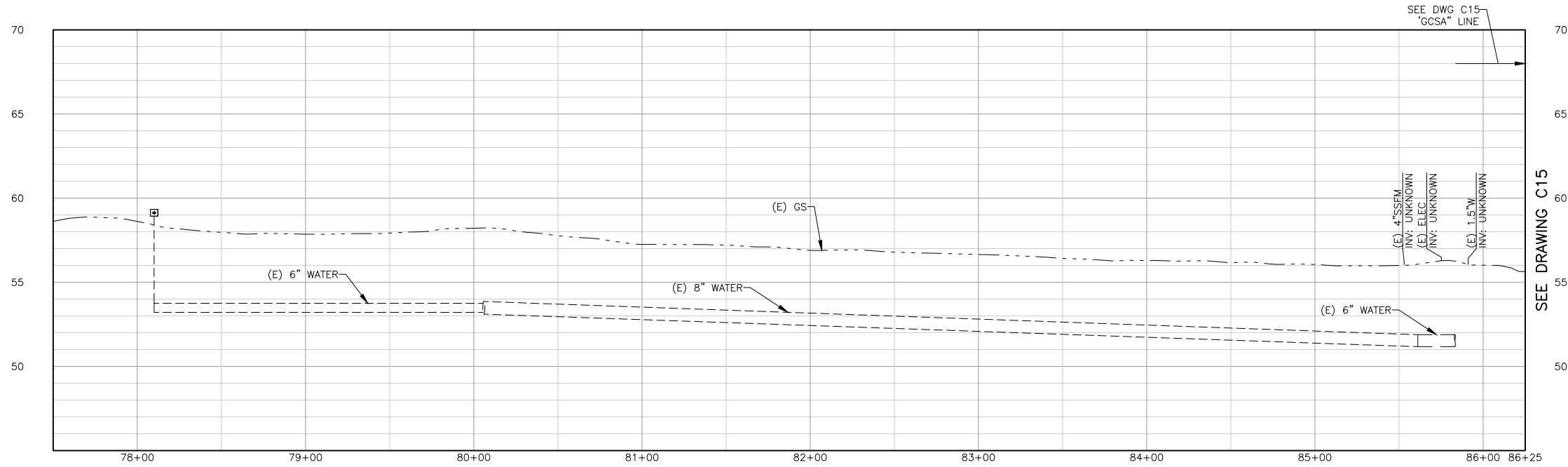
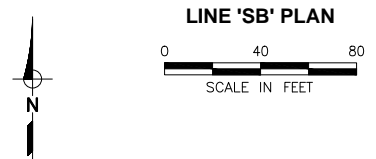
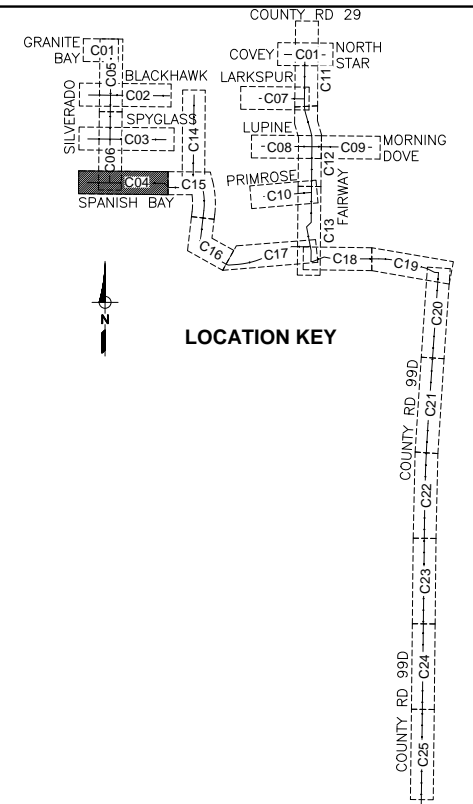
COUNTY OF YOLO DEPARTMENT OF COMMUNITY SERVICES
IMPROVEMENT PLANS FOR
**NORTH DAVIS MEADOWS WATER SYSTEM
CONSOLIDATION PROJECT**

SCALE
AS SHOWN
DATE: 1/12/2018
DWG NO
C03
SHEET NO
14 of 36

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FOR 'GCSA' LINE PLAN & PROFILE
SEE DRAWING C15



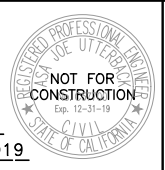
LINE 'SB' PROFILE
SCALE: H:1"=40', V:1"=4'

- CONSTRUCTION NOTES:**
- 2 INSTALL GATE VALVE (SIZE)
 - 10 INSTALL 1-INCH METER WITH VALVES, ANODE AND BOX ON EXISTING SERVICE (SIZE) PER DETAIL 3/SHT 7
 - 12 LOCATE AND EXPOSE EXISTING SERVICE VALVE
 - 14 INSTALL CUT-IN TEE PER DETAIL 8/SHT 9 (SIZE/SIZE)
 - 15 INSTALL NEW FIRE HYDRANT ASSEMBLY WITH CONCRETE ANCHOR PER CITY STANDARD DETAIL 101-1. (SEE SHT D07)
 - 16 REMOVE EXISTING FIRE HYDRANT ASSEMBLY, LATERAL AND VALVE. INSTALL BLIND FLANGE WHERE VALVE WAS REMOVED

PRE-FINAL SUBMITTAL

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DESIGN ENGINEER
BY ASA J. UTTERBACK
ENGINEER'S NAME
DATE JANUARY 12, 2018 P.E. C57700
REGISTRATION EXPIRES 12/31/2019

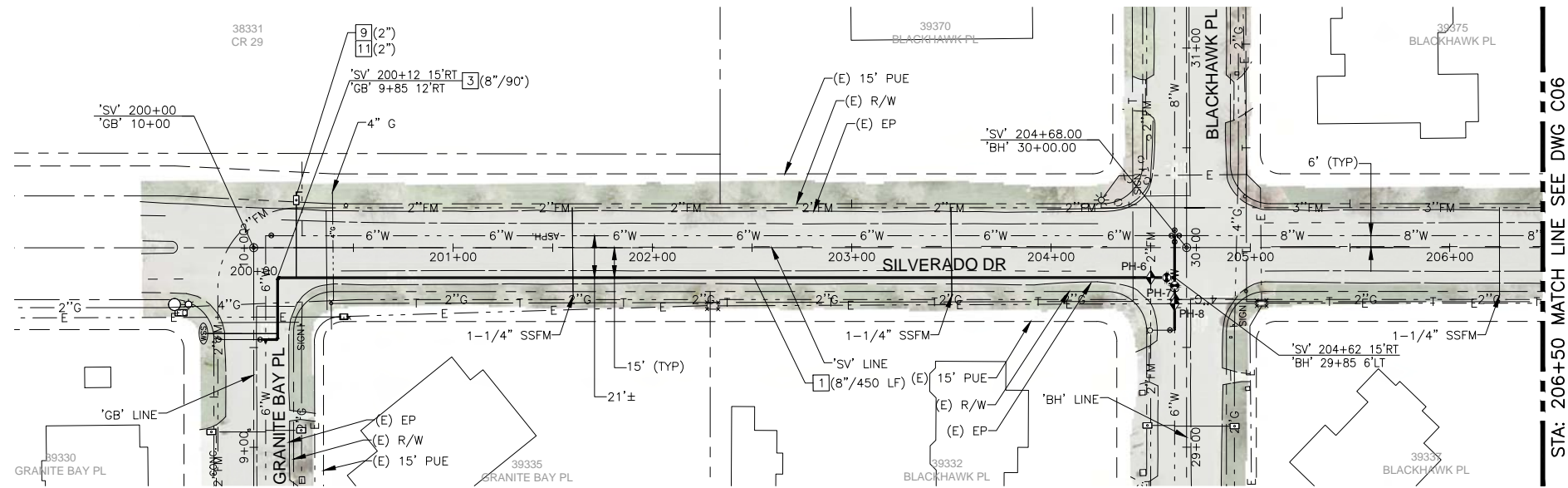


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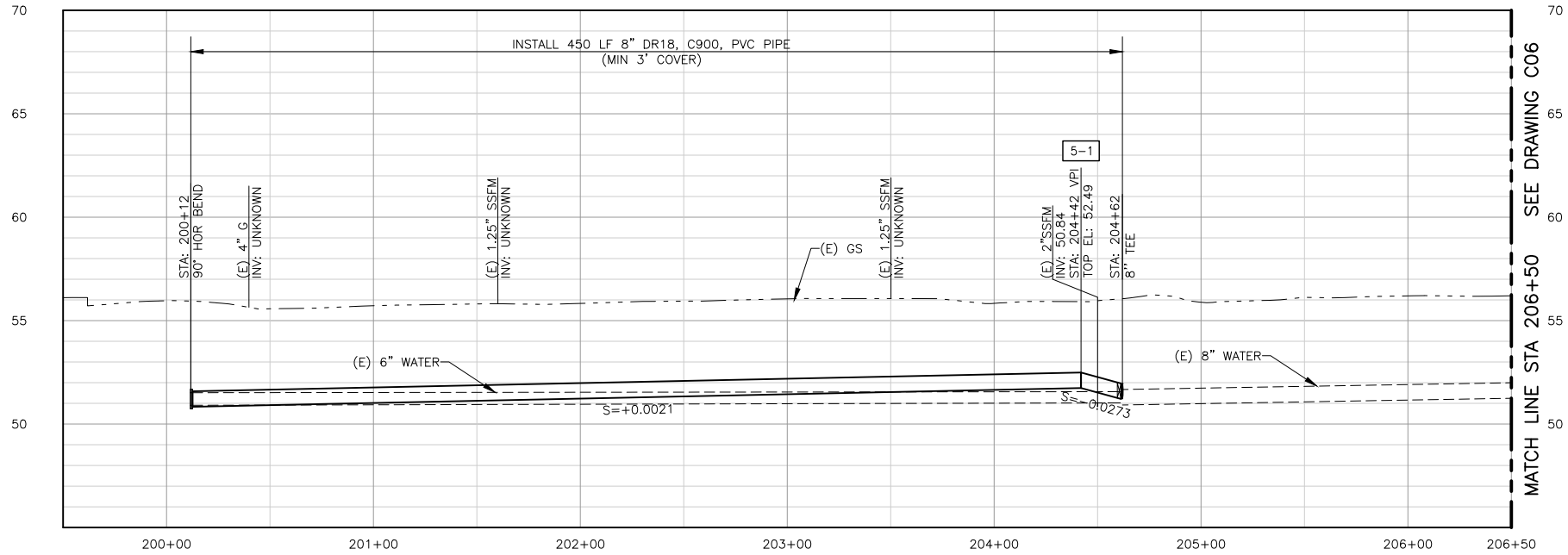
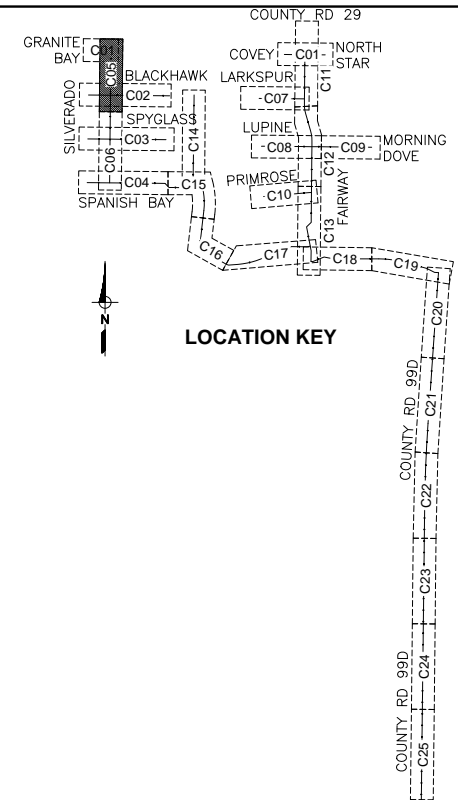
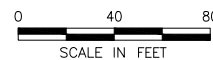
COUNTY OF YOLO DEPARTMENT OF COMMUNITY SERVICES
IMPROVEMENT PLANS FOR
NORTH DAVIS MEADOWS WATER SYSTEM CONSOLIDATION PROJECT
SPANISH BAY PL PLAN AND PROFILE

SCALE
AS SHOWN
DATE: 1/12/2018
DWG NO
C04
SHEET NO
15 of 36

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LINE 'SV' PLAN



LINE 'SV' PROFILE

SCALE: H:1"=40', V:1"=4'

CONSTRUCTION NOTES:

- 1 INSTALL WATER PIPE (DIAMETER/LENGTH)
- 3 INSTALL HORIZONTAL BEND (SIZE/ANGLE)
- 9 INSTALL WATER SERVICE LATERAL (SIZE)
- 11 INSTALL METER WITH VALVES, ANODE AND BOX PER DETAIL 4/SHT 7 AND CONNECT TO EXISTING IRRIGATION SERVICE. LOCATE EXISTING PIPE AT EXISTING BACKFLOW PREVENTER AND INSTALL METER ON SUPPLY SIDE OF BACKFLOW (SIZE)

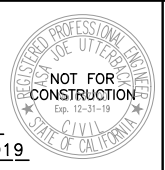
SPECIAL CONSTRUCTION NOTES:

- 5-1 INSTALL MECHANICAL JOINT (MJ) COUPLING ON PLAIN PIPE END AT PVI. ADJUST PVI ELEVATION TO GET 6" CLEARANCE OVER SSFM CROSSING. INSTALL COUPLING WITH EQUAL DEFLECTIONS ON EACH JOINT OF THE COUPLING.

PRE-FINAL SUBMITTAL

DESIGNED_AJU					
DRAWN_JRR					
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	NO.	BY	DATE	REVISION	APP'D DATE

DESIGN ENGINEER
 BY ASA J. UTTERBACK
 ENGINEER'S NAME
 DATE JANUARY 12, 2018 P.E. C57700
 REGISTRATION EXPIRES 12/31/2019

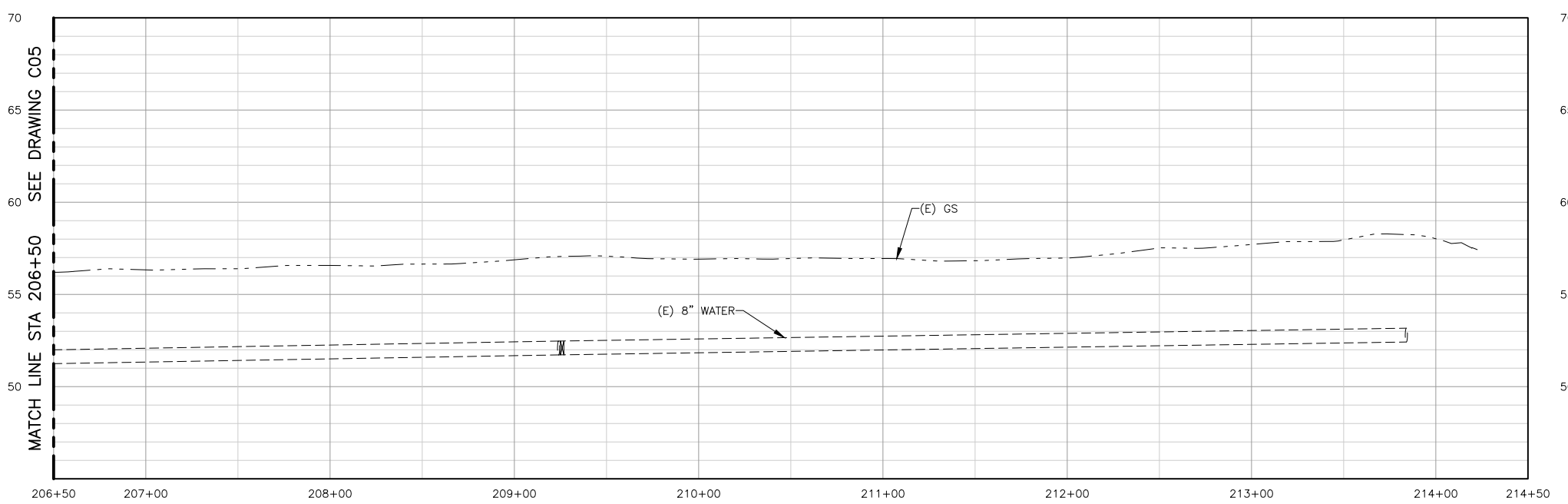
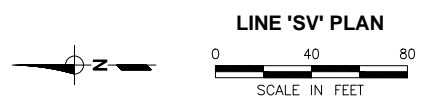
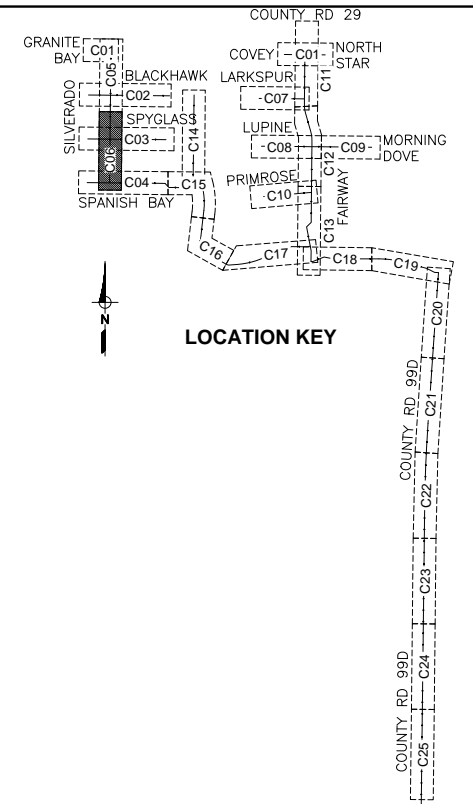
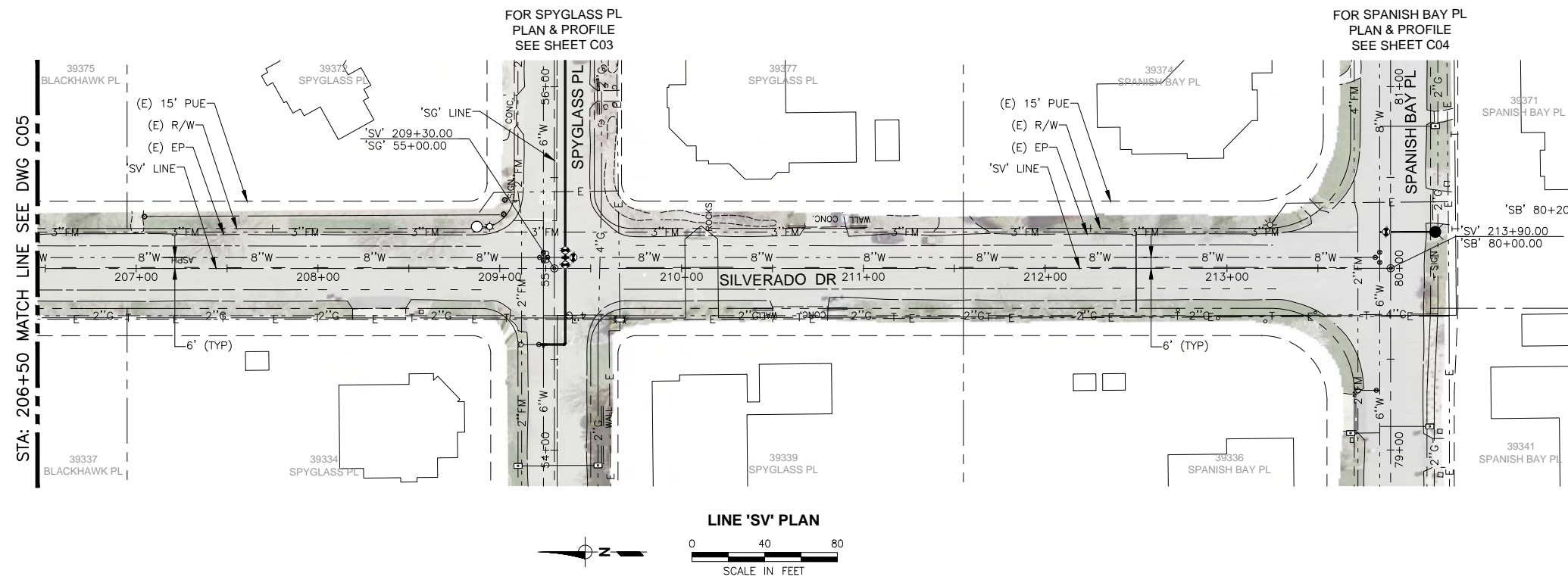


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COUNTY OF YOLO DEPARTMENT OF COMMUNITY SERVICES
 IMPROVEMENT PLANS FOR
 NORTH DAVIS MEADOWS WATER SYSTEM
 CONSOLIDATION PROJECT

SCALE
 AS SHOWN
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 DWG NO
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 16 of 36

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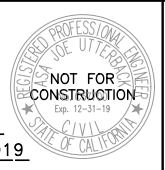
LINE 'SV' PROFILE
SCALE: H:1"=40', V:1"=4'

SPECIAL CONSTRUCTION NOTES:
6-1 THIS SHEET IS FOR INFORMATION ONLY. NO CONSTRUCTION REQUIREMENTS ARE SHOWN ON THIS SHEET.

PRE-FINAL SUBMITTAL

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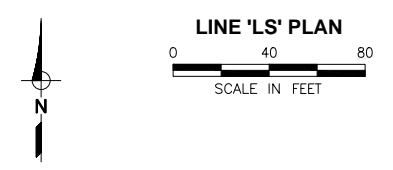
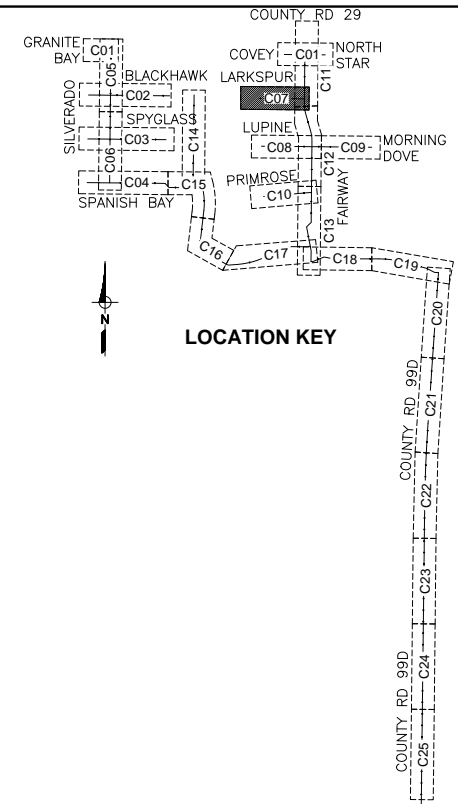
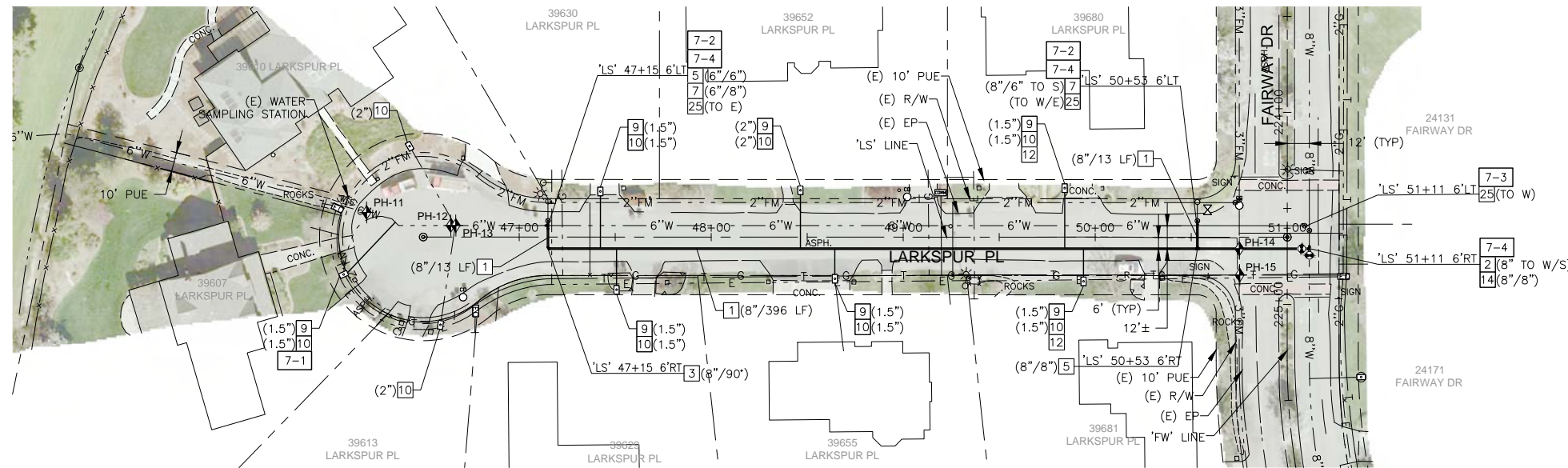


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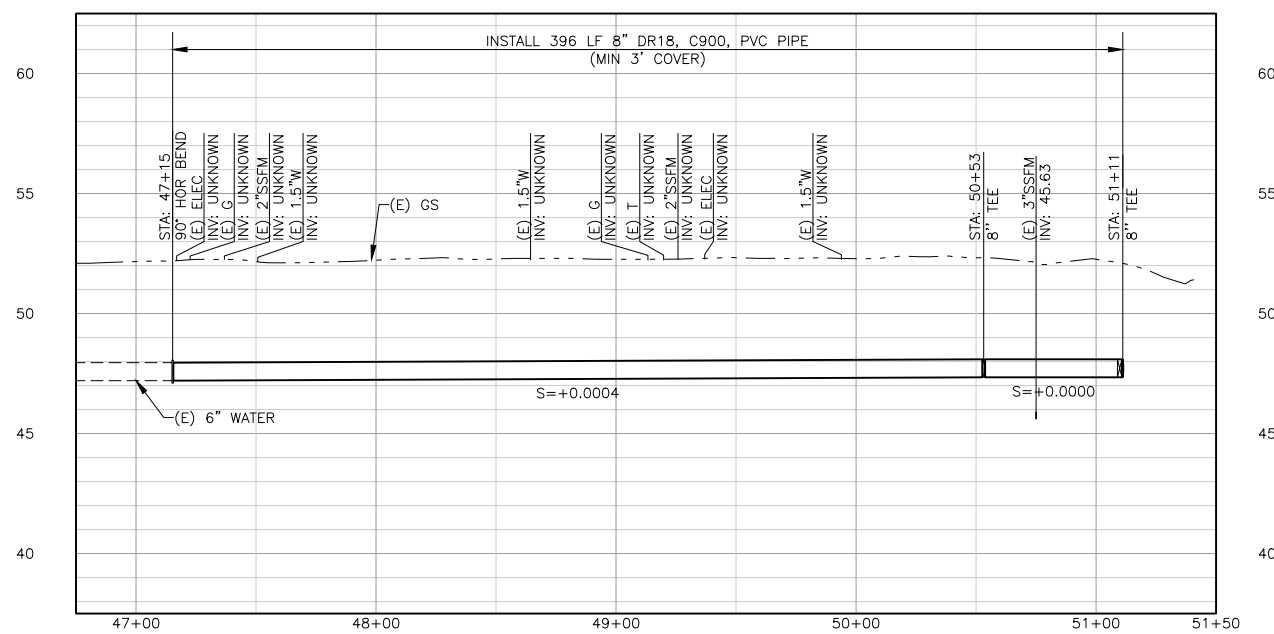
COUNTY OF YOLO DEPARTMENT OF COMMUNITY SERVICES
IMPROVEMENT PLANS FOR
NORTH DAVIS MEADOWS WATER SYSTEM CONSOLIDATION PROJECT
SILVERADO DR PLAN AND PROFILE 2

SCALE
AS SHOWN
DATE: 1/12/2018
DWG NO
C06
SHEET NO
17 of 36

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FOR FAIRWAY DR
PLAN & PROFILE
SEE SHEET C11



LINE 'LS' PROFILE
SCALE: H:1"=40', V:1"=4'

CONSTRUCTION NOTES:

- 1 INSTALL WATER PIPE (DIAMETER/LENGTH)
- 2 INSTALL GATE VALVE (SIZE)
- 3 INSTALL HORIZONTAL BEND (SIZE/ANGLE)
- 5 INSTALL TEE (SIZE/SIZE)
- 6 INSTALL CUT-IN CROSS (SIZE)
- 7 INSTALL REDUCER (SIZE/SIZE)
- 9 INSTALL WATER SERVICE LATERAL (SIZE)
- 10 INSTALL 1-INCH METER WITH VALVES, ANODE AND BOX ON EXISTING SERVICE (SIZE) PER DETAIL 3/SHT 7
- 14 INSTALL CUT-IN TEE PER DETAIL 8/SHT 9 (SIZE/SIZE)
- 25 CUT, CAP AND ABANDON EXISTING DISCONNECTED WATER

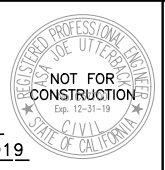
SPECIAL CONSTRUCTION NOTES:

- 7-1 A PORTION OF THE EXISTING WATER SERVICE PIPE FOLLOWS AND LAYS PARTIALLY UNDERNEATH EXISTING MAIN. LOCATE, DISCONNECT, CAP AND ABANDON EXISTING SERVICE CONNECTION.
- 7-2 REMOVE EXISTING TEE AND PIPE AS NEEDED TO CONNECT NEW WATER MAIN AS SHOWN. ALSO REMOVE AND RESET EXISTING 6" AUXILIARY HYDRANT VALVE AND FITTINGS AS NEEDED TO MAKE NEW CONNECTIONS.
- 7-3 REMOVE EXISTING GATE VALVE TO WEST AND REPLACE WITH BLIND FLANGE WHERE VALVE WAS REMOVED.
- 7-4 PROVIDE AND INSTALL ADDITIONAL TEMPORARY FITTINGS AND PIPING AS NEEDED FOR STAGED FILLING, TESTING AND CONNECTION. REMOVE ALL TEMPORARY MATERIALS AND MAKE FINAL CONNECTIONS UNDER FULL-TIME INSPECTION.

PRE-FINAL SUBMITTAL

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DATE JANUARY 12, 2018 P.E. C57700
REGISTRATION EXPIRES 12/31/2019



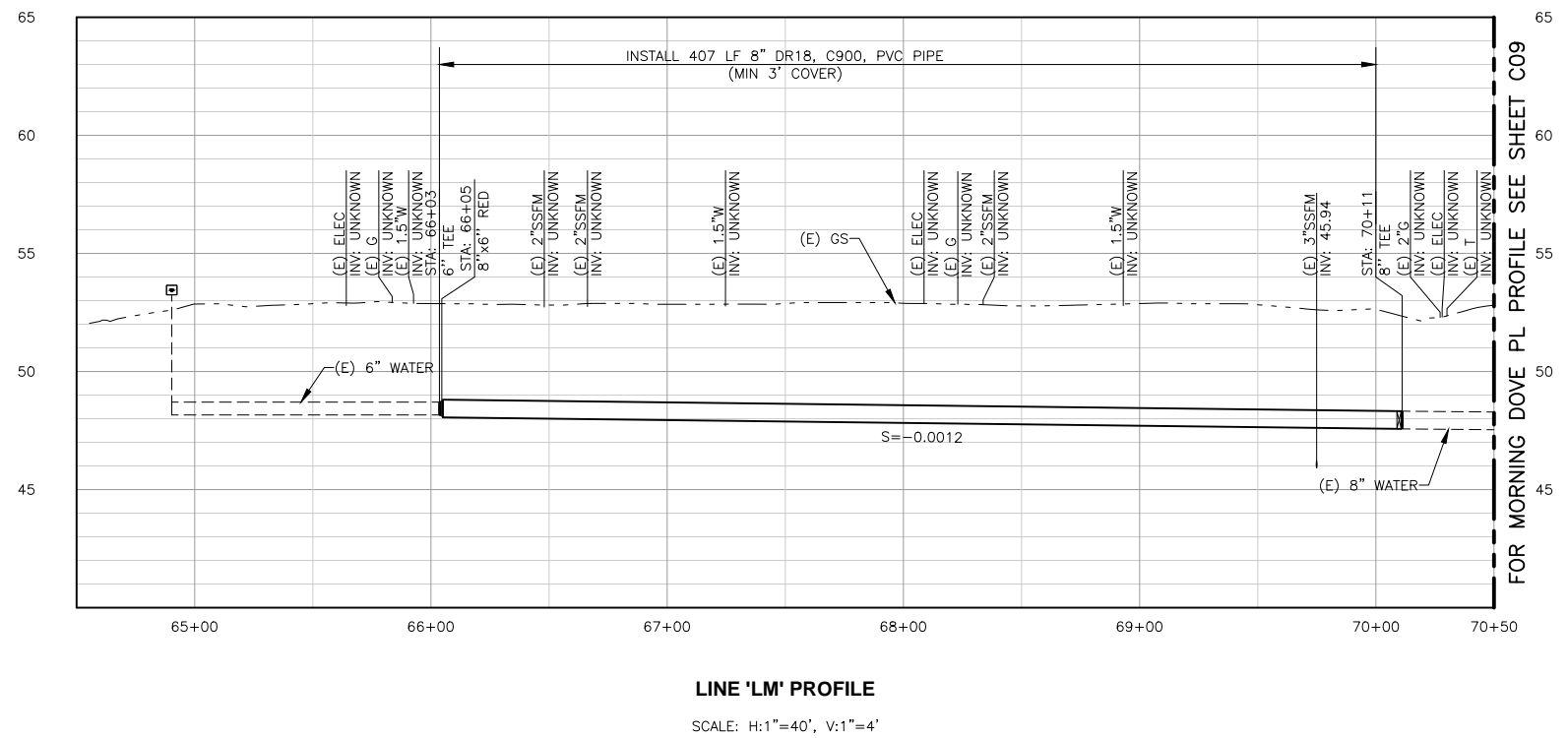
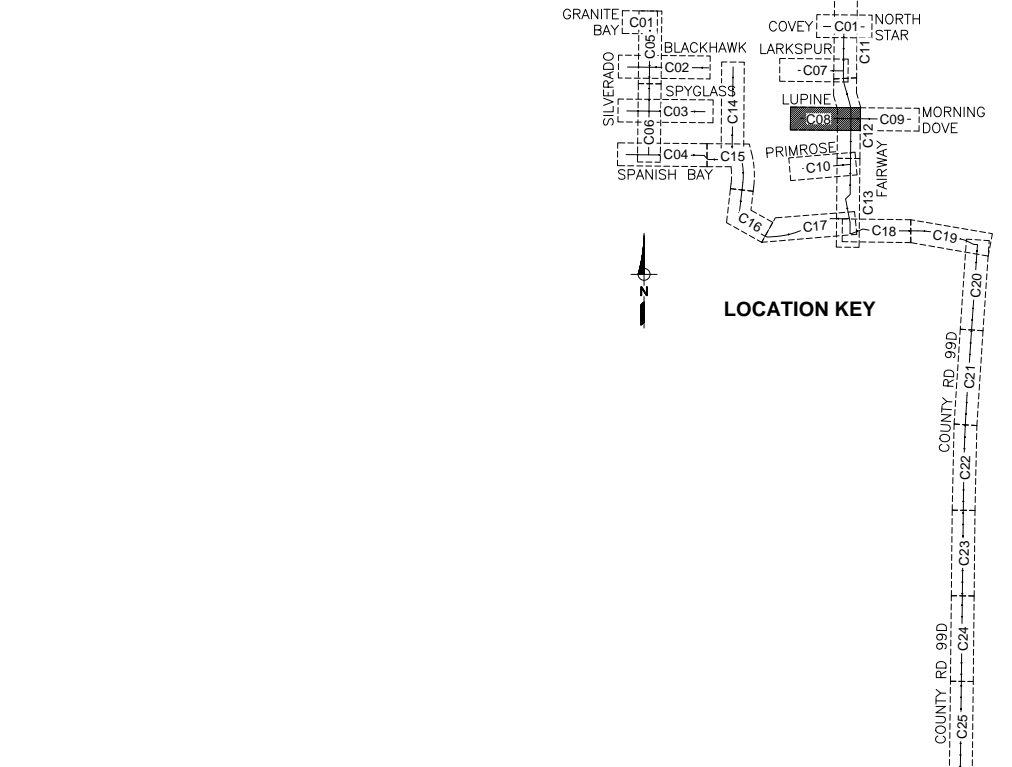
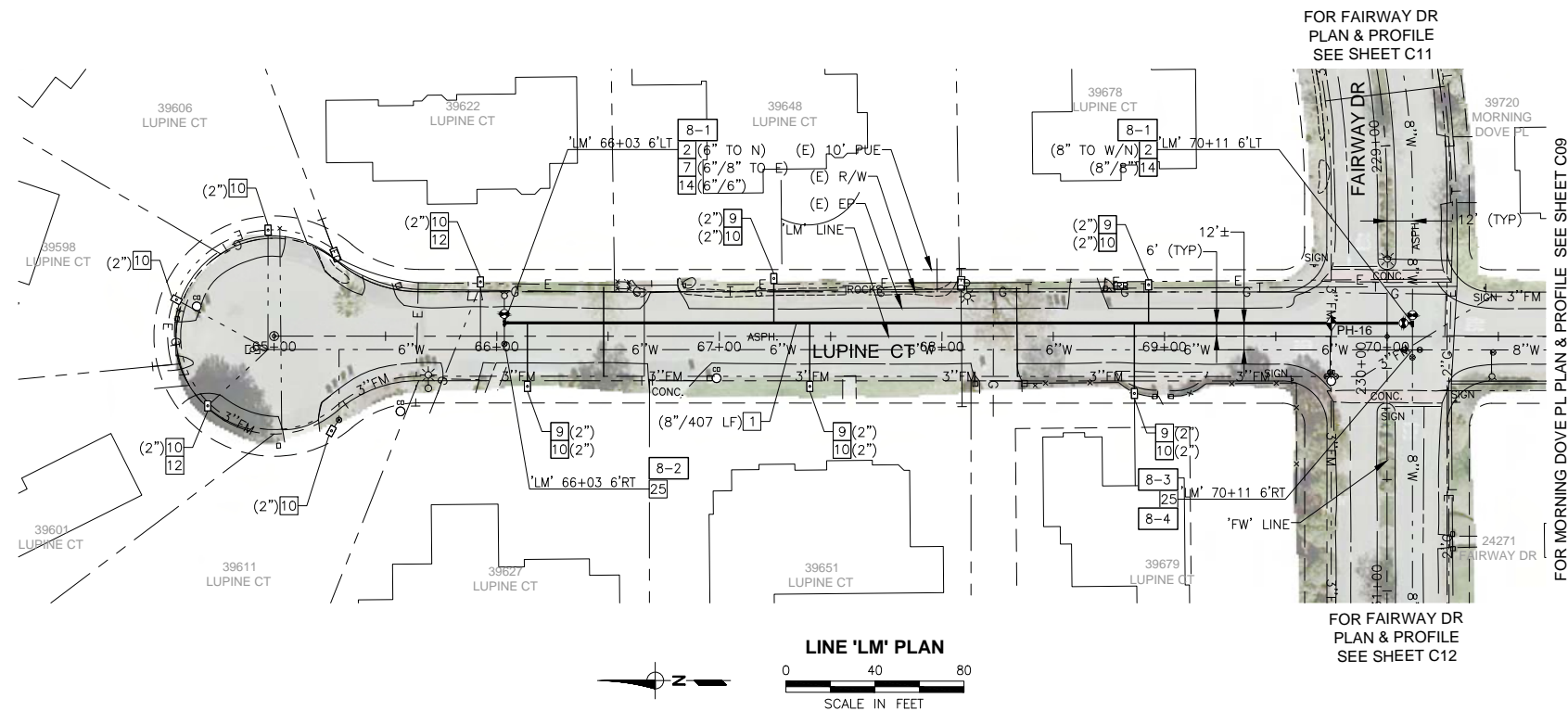
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COUNTY OF YOLO DEPARTMENT OF COMMUNITY SERVICES
IMPROVEMENT PLANS FOR
NORTH DAVIS MEADOWS WATER SYSTEM CONSOLIDATION PROJECT

SCALE
AS SHOWN
DATE: 1/12/2018
LARKSPUR PL PLAN AND PROFILE

DWG NO
C07
SHEET NO
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- CONSTRUCTION NOTES:**
- 1 INSTALL WATER PIPE (DIAMETER/LENGTH)
 - 2 INSTALL GATE VALVE (SIZE)
 - 5 INSTALL TEE (SIZE/SIZE)
 - 7 INSTALL REDUCER (SIZE/SIZE)
 - 9 INSTALL WATER SERVICE LATERAL (SIZE)
 - 10 INSTALL 1-INCH METER WITH VALVES, ANODE AND BOX ON EXISTING SERVICE (SIZE) PER DETAIL 3/SHT 7
 - 12 LOCATE AND EXPOSE EXISTING SERVICE VALVE
 - 14 INSTALL CUT-IN TEE PER DETAIL 8/SHT 9 (SIZE/SIZE)
 - 25 CUT, CAP AND ABANDON EXISTING DISCONNECTED WATER
- SPECIAL CONSTRUCTION NOTES:**
- 8-1 PROVIDE AND INSTALL ADDITIONAL TEMPORARY FITTINGS AND PIPING AS NEEDED FOR STAGED FILLING, TESTING AND CONNECTION. REMOVE ALL TEMPORARY MATERIALS AND MAKE FINAL CONNECTIONS UNDER FULL-TIME INSPECTION.
 - 8-2 DISCONNECT AND REMOVE EXISTING PIPE FROM EAST LEG OF TEE AND INSTALL BLIND FLANGE ON TEE.
 - 8-3 REMOVE EXISTING GATE VALVE TO WEST AND REPLACE WITH BLIND FLANGE.
 - 8-4 REMOVE AND REPLACE EXISTING VALVE BOXES FOR REMAINING GATE VALVES.

DESIGNED_AJU					
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NO.	BY	DATE	REVISION	APP'D	DATE

DESIGN ENGINEER
 BY ASA J. UTTERBACK
 ENGINEER'S NAME
 DATE JANUARY 12, 2018 P.E. C57700
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COUNTY OF YOLO DEPARTMENT OF COMMUNITY SERVICES
 IMPROVEMENT PLANS FOR
 NORTH DAVIS MEADOWS WATER SYSTEM
 CONSOLIDATION PROJECT

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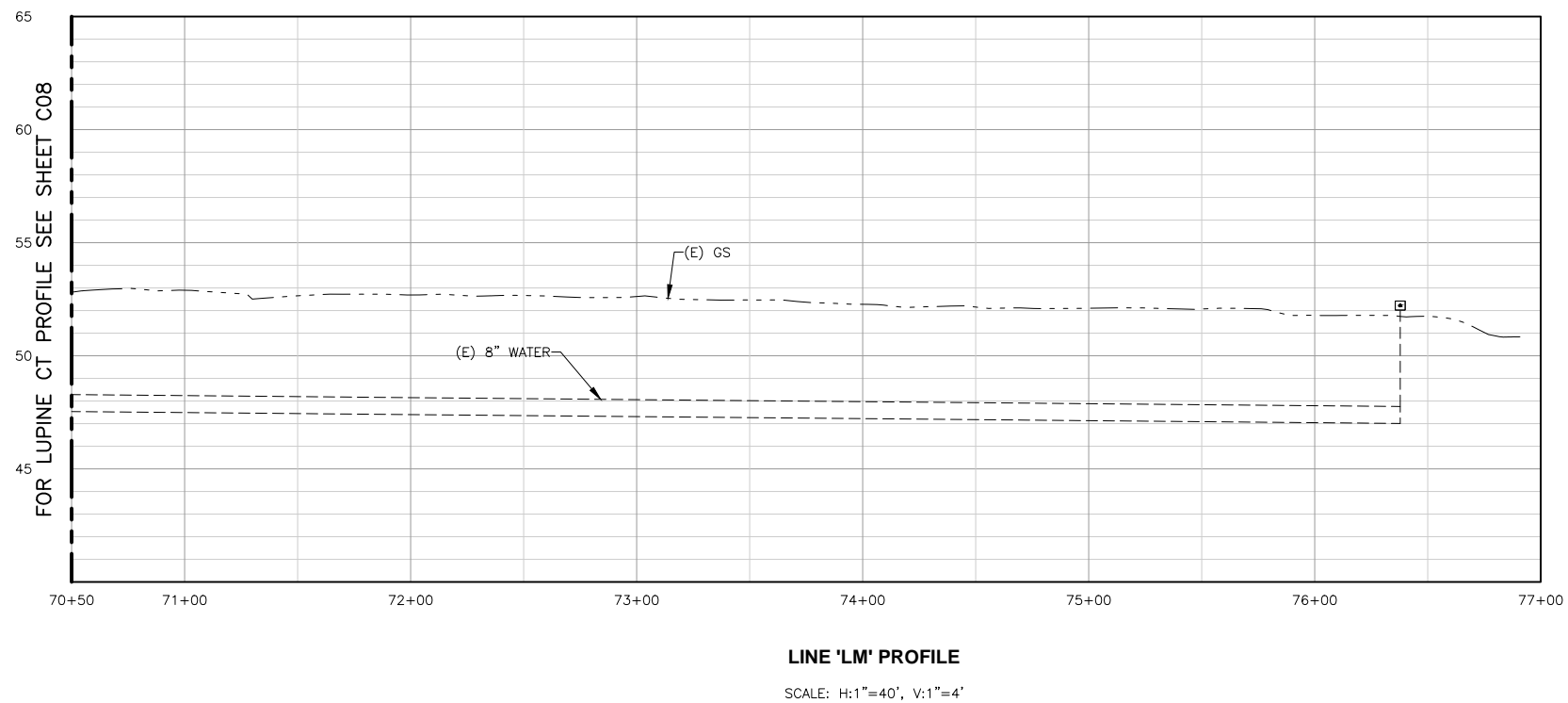
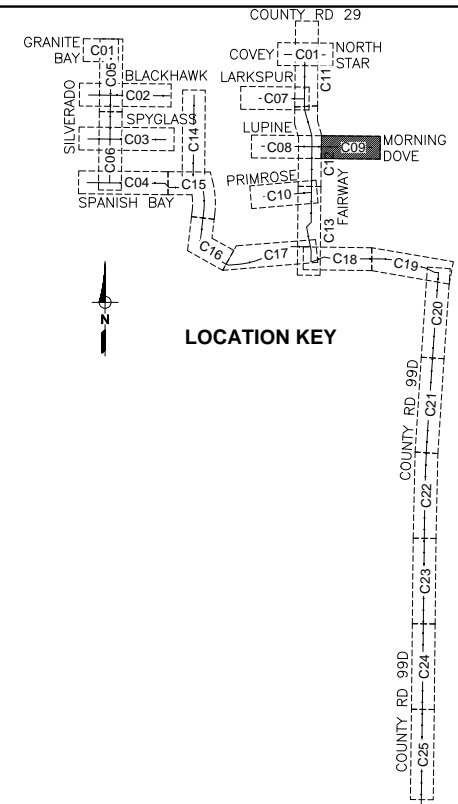
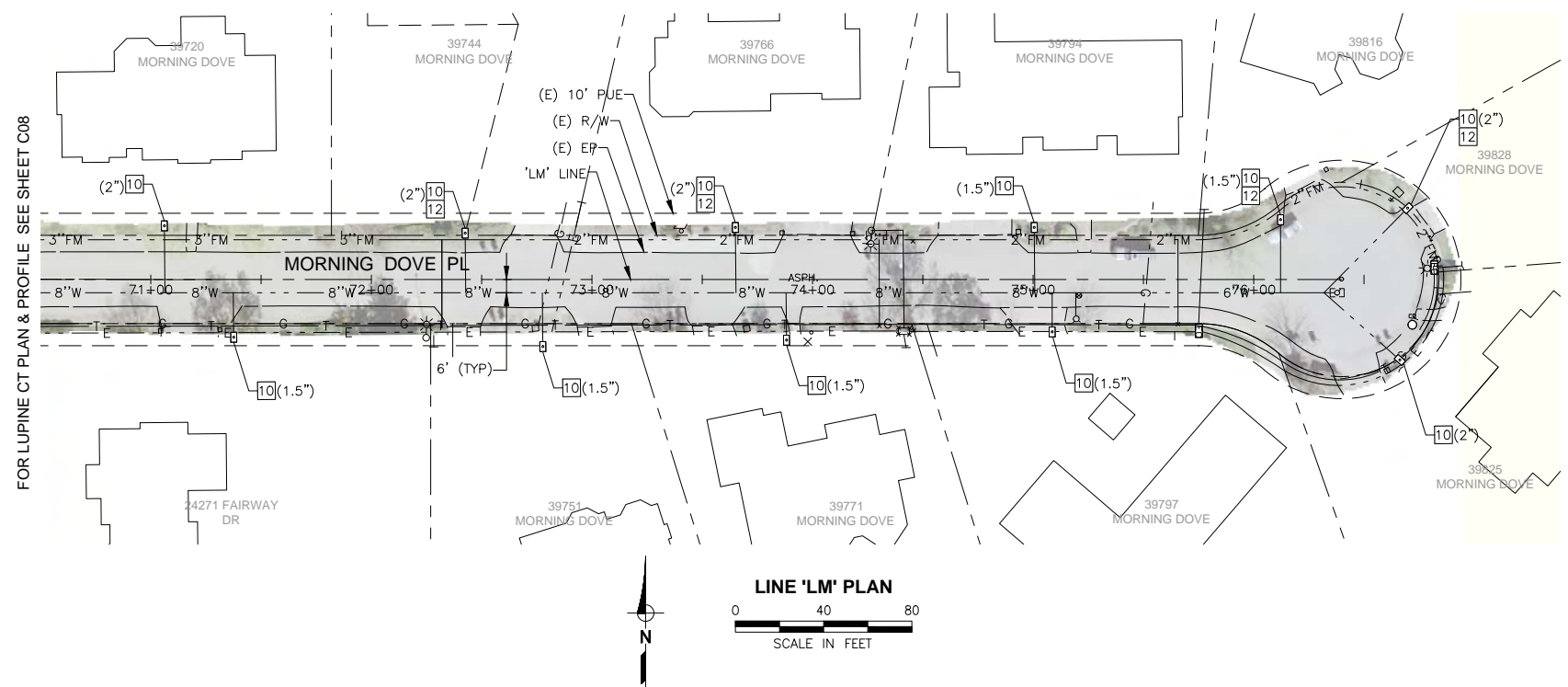
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SHEET NO
19 of 36

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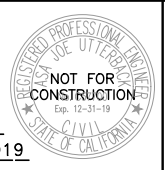


- CONSTRUCTION NOTES:**
- 10 INSTALL 1-INCH METER WITH VALVES, ANODE AND BOX ON EXISTING SERVICE (SIZE) PER DETAIL 3/SHT 7
 - 12 LOCATE AND EXPOSE EXISTING SERVICE VALVE

PRE-FINAL SUBMITTAL

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NO.	BY	DATE	REVISION	APP'D	DATE

DESIGN ENGINEER
 BY ASA J. UTTERBACK
 ENGINEER'S NAME
 DATE JANUARY 12, 2018 P.E. C57700
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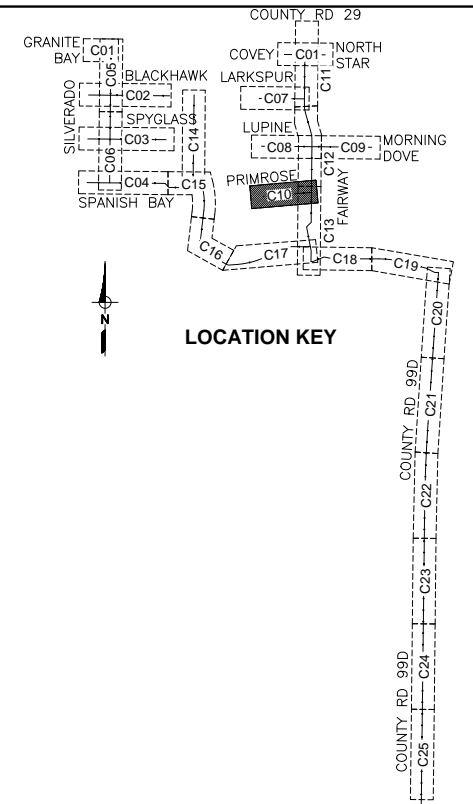
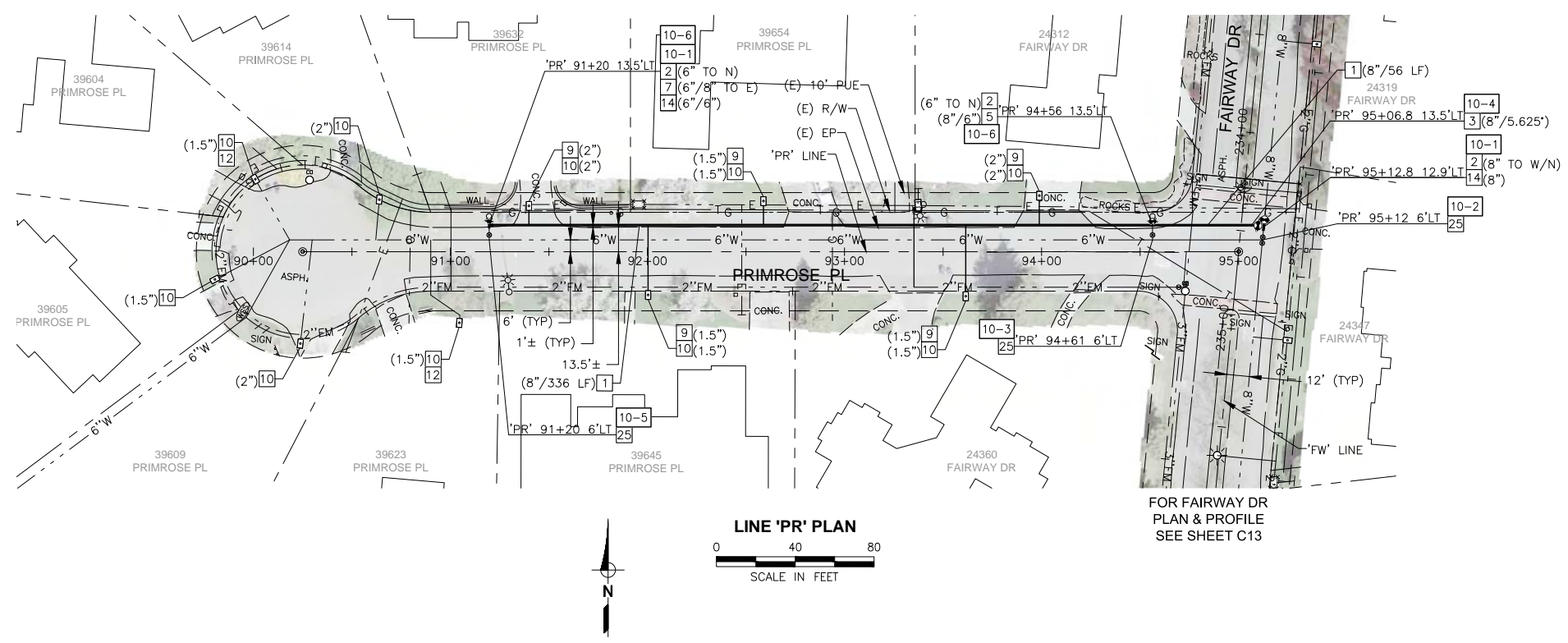


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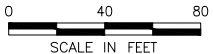
COUNTY OF YOLO DEPARTMENT OF COMMUNITY SERVICES
 IMPROVEMENT PLANS FOR
**NORTH DAVIS MEADOWS WATER SYSTEM
 CONSOLIDATION PROJECT**
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SCALE
 AS SHOWN
 DATE: 1/12/2018
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20 of 36

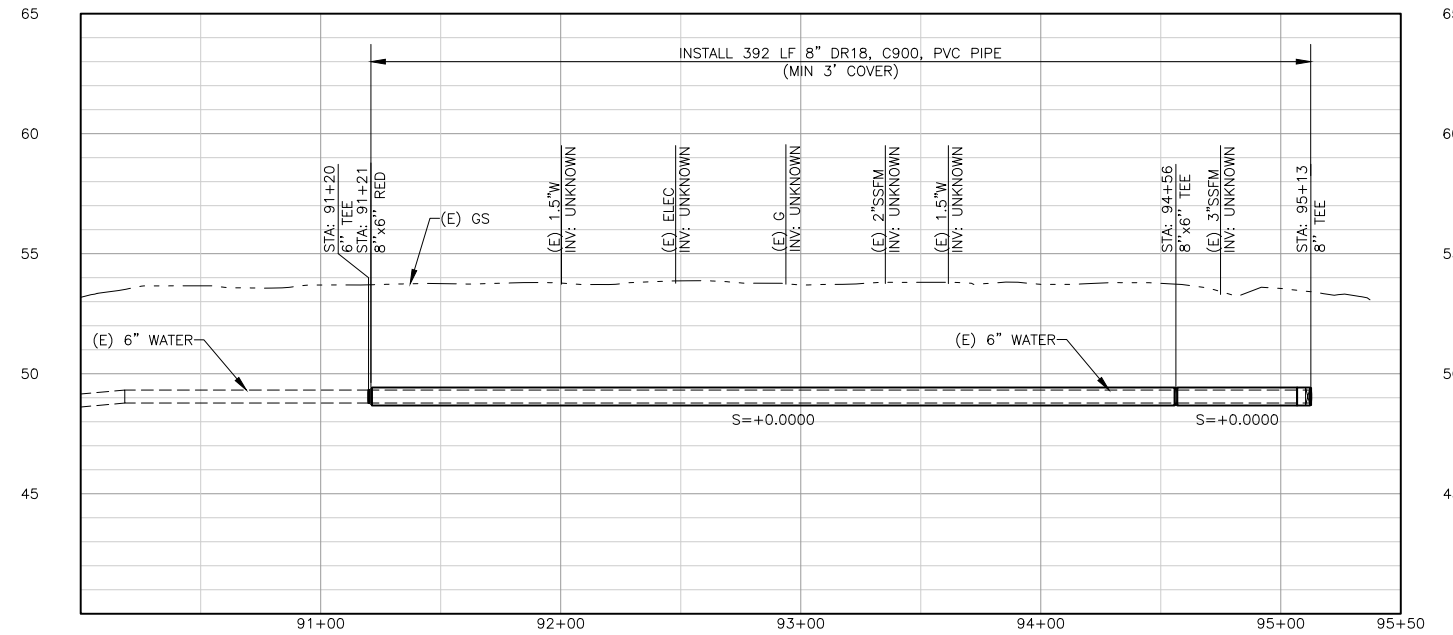
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LINE 'PR' PLAN



FOR FAIRWAY DR
PLAN & PROFILE
SEE SHEET C13



LINE 'PR' PROFILE

SCALE: H:1"=40', V:1"=4'

CONSTRUCTION NOTES:

- 1 INSTALL WATER PIPE (DIAMETER/LENGTH)
- 2 INSTALL GATE VALVE (SIZE)
- 3 INSTALL HORIZONTAL BEND (SIZE/ANGLE)
- 5 INSTALL TEE (SIZE/SIZE)
- 7 INSTALL REDUCER (SIZE/SIZE)
- 9 INSTALL WATER SERVICE LATERAL (SIZE)
- 10 INSTALL 1-INCH METER WITH VALVES, ANODE AND BOX ON EXISTING SERVICE (SIZE) PER DETAIL 3/SHT 7
- 14 INSTALL CUT-IN TEE PER DETAIL 8/SHT 9 (SIZE/SIZE)
- 25 CUT, CAP AND ABANDON EXISTING DISCONNECTED WATER

SPECIAL CONSTRUCTION NOTES:

- 10-1 PROVIDE AND INSTALL ADDITIONAL TEMPORARY FITTINGS AND PIPING AS NEEDED FOR STAGED FILLING, TESTING AND CONNECTION. REMOVE ALL TEMPORARY MATERIALS AND MAKE FINAL CONNECTIONS UNDER FULL-TIME INSPECTION.
- 10-2 DISCONNECT EXISTING 6" WATER TO WEST AND REPLACE WITH BLIND FLANGE AT TEE. REMOVE EXISTING GATE VALVE AND PIPE TO NORTH AS NEEDED TO REPLACE WITH CUT-IN SLEEVE AND FCA.
- 10-3 REMOVE EXISTING GATE VALVE.
- 10-4 INSTALL 5-5/8" (5.625") BEND WITH 2 SF BEARING AREA THRUST BLOCK OR MECHANICALLY RESTRAINED JOINTS.
- 10-5 DISCONNECT AND REMOVE EXISTING PIPE FROM EAST LEG OF TEE AND INSTALL BLIND FLANGE ON TEE.
- 10-6 CONNECT TO EXISTING HYDRANT LATERAL.

PRE-FINAL SUBMITTAL

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BY ASA J. UTTERBACK
ENGINEER'S NAME
DATE JANUARY 12, 2018 P.E. C57700
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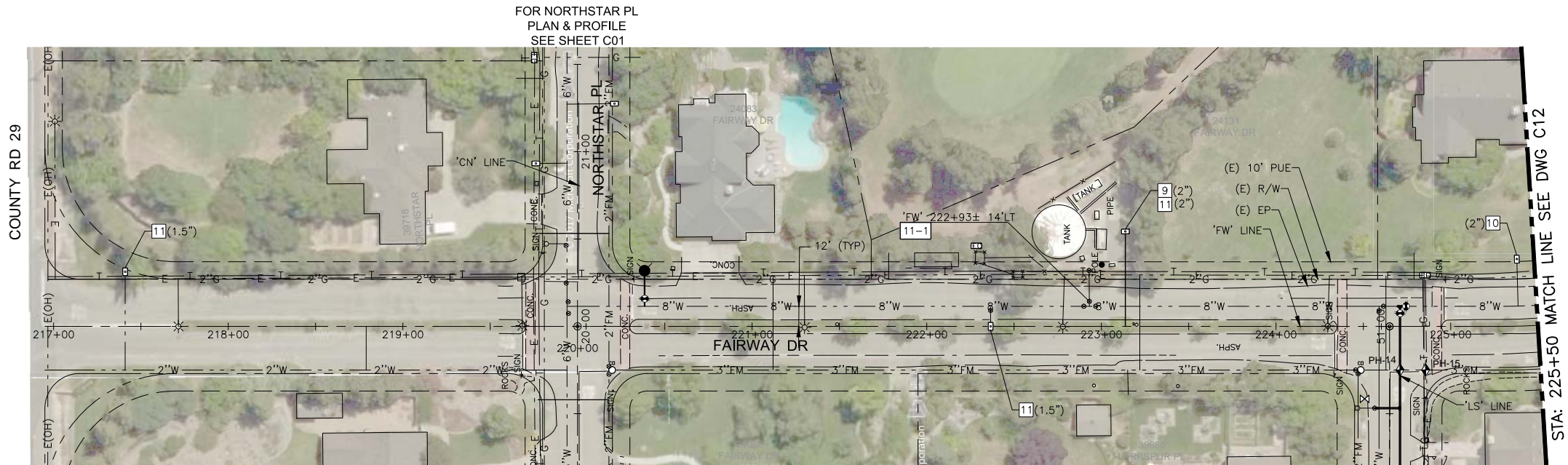
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COUNTY OF YOLO DEPARTMENT OF COMMUNITY SERVICES
IMPROVEMENT PLANS FOR
**NORTH DAVIS MEADOWS WATER SYSTEM
CONSOLIDATION PROJECT**

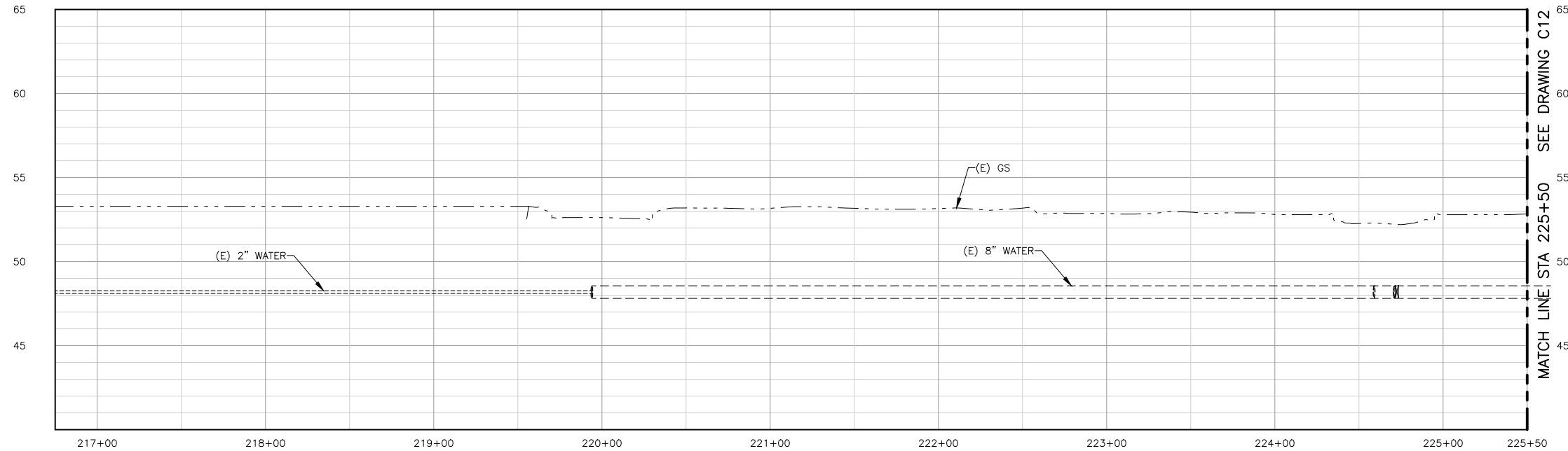
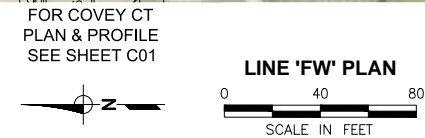
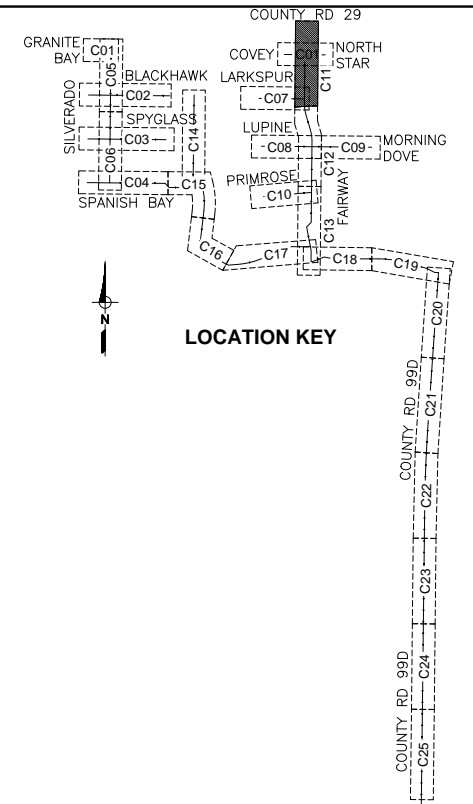
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C10
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STA: 225+50 MATCH LINE SEE DWG C12



LINE 'FW' PROFILE
SCALE: H:1"=40', V:1"=4'

CONSTRUCTION NOTES:

- 9 INSTALL WATER SERVICE LATERAL (SIZE)
- 10 INSTALL 1-INCH METER WITH VALVES, ANODE AND BOX ON EXISTING SERVICE (SIZE) PER DETAIL 3/SHT 7
- 11 INSTALL METER WITH VALVES, ANODE AND BOX PER DETAIL 4/SHT 7 AND CONNECT TO EXISTING IRRIGATION SERVICE. LOCATE EXISTING PIPE AT EXISTING BACKFLOW PREVENTER AND INSTALL METER ON SUPPLY SIDE OF BACKFLOW (SIZE)

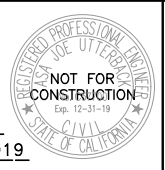
SPECIAL CONSTRUCTION NOTES:

- 11-1 REMOVE EXISTING 8" GV AND 25 LF OF 8" PIPE TO EAST AND INSTALL BLIND FLANGE. WHERE VALVE WAS REMOVED FROM WATER MAIN IN FAIRWAY DRIVE UNDER CONTINUOUS INSPECTION. CAP AND ABANDON EXISTING PIPE FROM WELL. THIS WORK SHALL NOT BE PERFORMED UNTIL ALL OTHER PIPE CONSTRUCTION IS COMPLETED, TESTED, FLUSHED, AND READY TO BE PUT INTO SERVICE. COORDINATE WELL DISCONNECTION WITH REMOVAL OF BACKFLOW PREVENTION AT CONNECTION TO CITY SYSTEM PER NOTE 25-3 ON SHEET C25.

PRE-FINAL SUBMITTAL

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NO.	BY	DATE	REVISION	APP'D	DATE

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BY ASA J. UTTERBACK
ENGINEER'S NAME
DATE JANUARY 12, 2018 P.E. C57700
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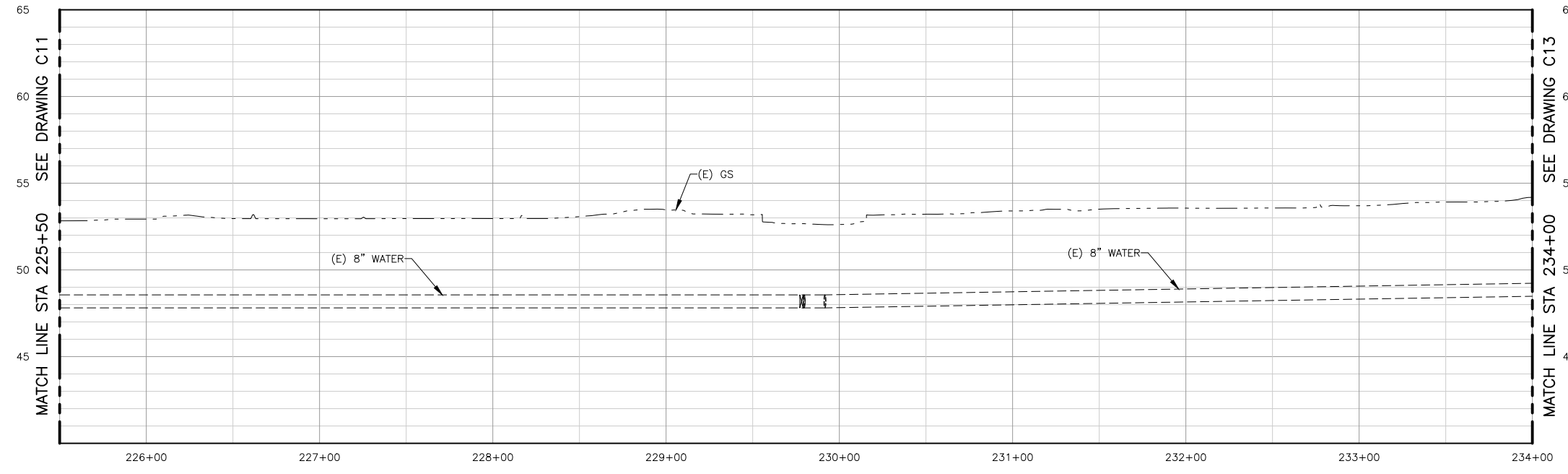
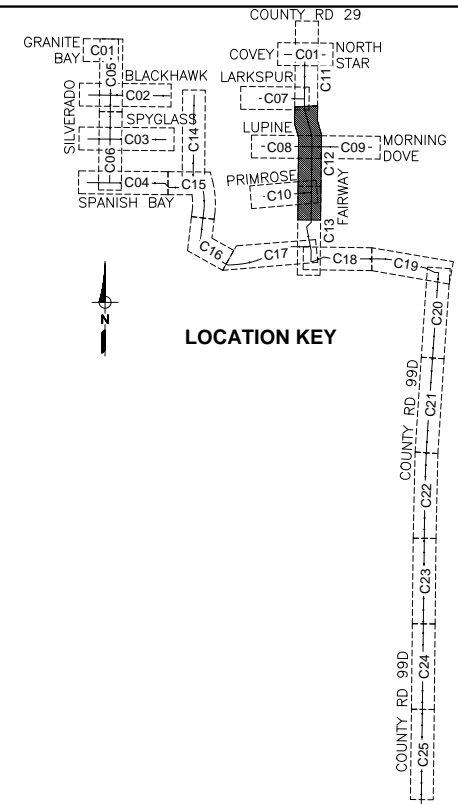
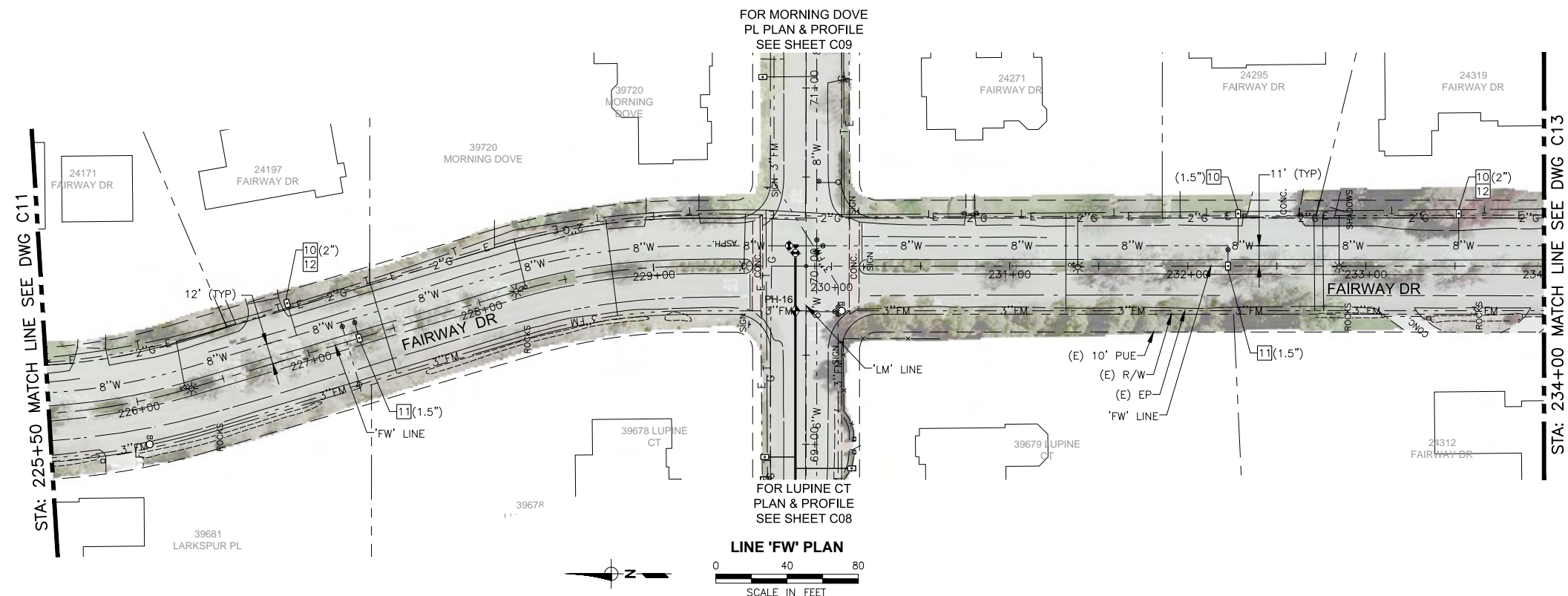


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COUNTY OF YOLO DEPARTMENT OF COMMUNITY SERVICES
IMPROVEMENT PLANS FOR
NORTH DAVIS MEADOWS WATER SYSTEM CONSOLIDATION PROJECT
FAIRWAY DR PLAN AND PROFILE 1

SCALE
AS SHOWN
DATE: 1/12/2018
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C11
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22 of 36

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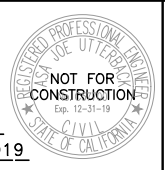
LINE 'FW' PROFILE
SCALE: H:1"=40', V:1"=4'

- CONSTRUCTION NOTES:**
- 10 INSTALL 1-INCH METER WITH VALVES, ANODE AND BOX ON EXISTING SERVICE (SIZE) PER DETAIL 3/SHT 7
 - 11 INSTALL METER WITH VALVES, ANODE AND BOX PER DETAIL 4/SHT 7 AND CONNECT TO EXISTING IRRIGATION SERVICE. LOCATE EXISTING PIPE AT EXISTING BACKFLOW PREVENTER AND INSTALL METER ON SUPPLY SIDE OF BACKFLOW (SIZE)
 - 12 LOCATE AND EXPOSE EXISTING SERVICE VALVE

PRE-FINAL SUBMITTAL

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DESIGN ENGINEER
BY ASA J. UTTERBACK
ENGINEER'S NAME
DATE JANUARY 12, 2018 P.E. C57700
REGISTRATION EXPIRES 12/31/2019



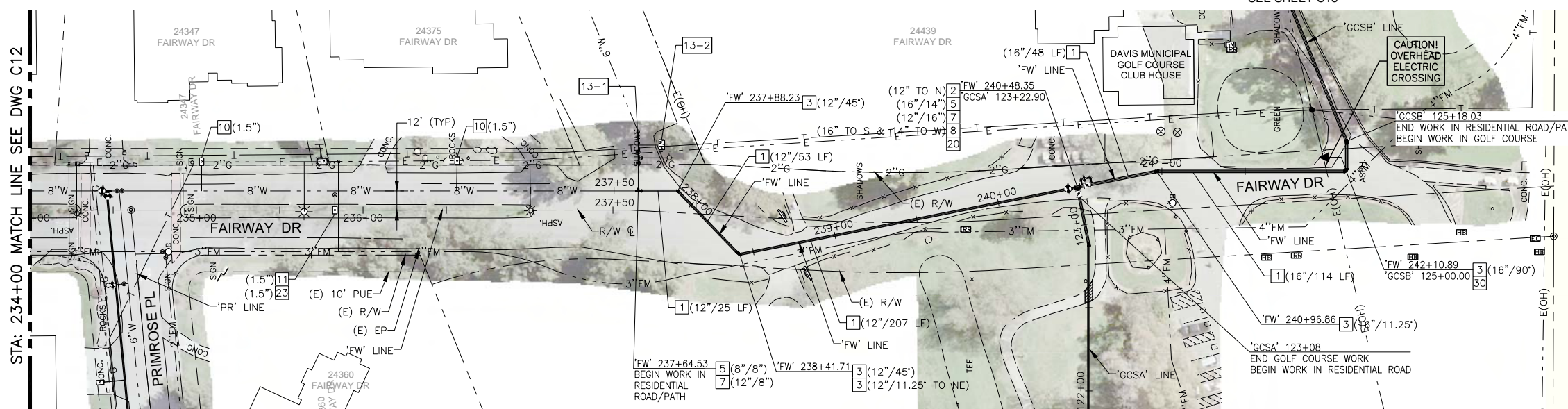
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COUNTY OF YOLO DEPARTMENT OF COMMUNITY SERVICES
IMPROVEMENT PLANS FOR
NORTH DAVIS MEADOWS WATER SYSTEM CONSOLIDATION PROJECT
FAIRWAY DR PLAN AND PROFILE 2

SCALE
AS SHOWN
DATE: 1/12/2018
DWG NO
C12
SHEET NO
23 of 36

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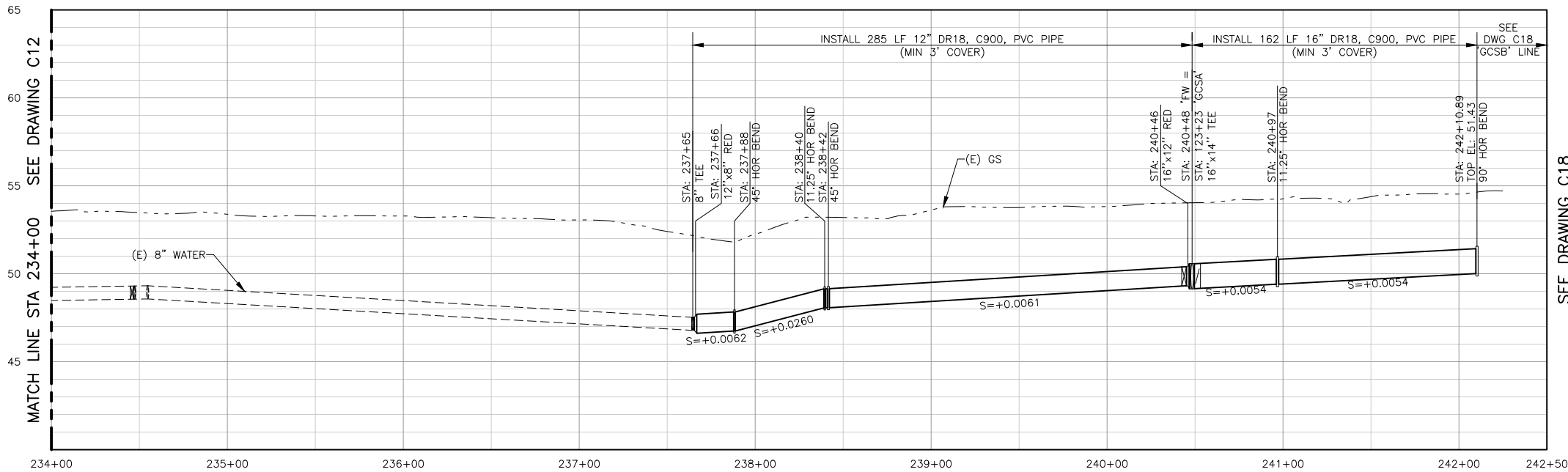
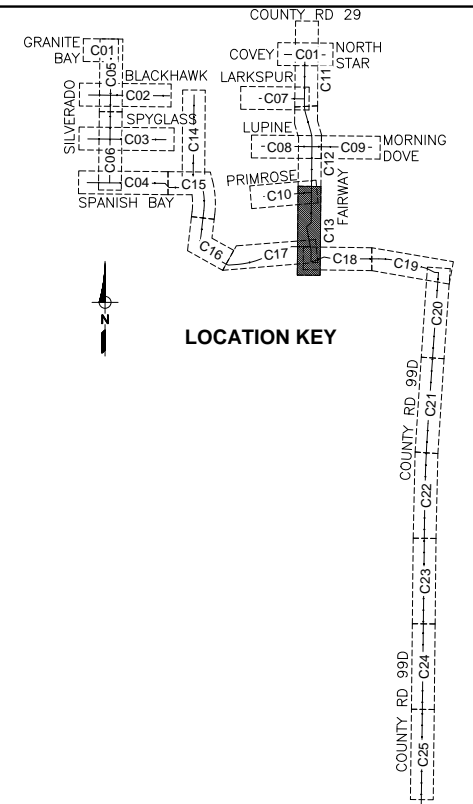
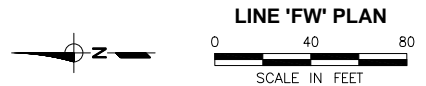
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FOR PRIMROSE PL
PLAN & PROFILE
SEE SHEET C10

FOR 'GCSB' PLAN & PROFILE
SEE SHEET C18

FOR 'GCSA' PLAN & PROFILE
SEE SHEET C17



LINE 'FW' PROFILE
SCALE: H:1"=40', V:1"=4'

CONSTRUCTION NOTES:

- 1 INSTALL WATER PIPE (DIAMETER/LENGTH)
- 2 INSTALL GATE VALVE (SIZE)
- 3 INSTALL HORIZONTAL BEND (SIZE/ANGLE)
- 5 INSTALL TEE (SIZE/SIZE)
- 7 INSTALL REDUCER (SIZE/SIZE)
- 8 INSTALL BUTTERFLY VALVE (SIZE)
- 10 INSTALL 1-INCH METER WITH VALVES, ANODE AND BOX ON EXISTING SERVICE (SIZE) PER DETAIL 3/SHT 7
- 11 INSTALL METER WITH VALVES, ANODE AND BOX PER DETAIL 4/SHT 7 AND CONNECT TO EXISTING IRRIGATION SERVICE. LOCATE EXISTING PIPE AT EXISTING BACKFLOW PREVENTER AND INSTALL METER ON SUPPLY SIDE OF BACKFLOW (SIZE)
- 20 INSTALL 6-INCH BYPASS WITH VALVES PER DETAIL 6/SHT 9
- 23 REMOVE EXISTING BACKFLOW PREVENTER AND INSTALL BACKFLOW PREVENTION ASSEMBLY PER CITY OF DAVIS STANDARD DETAIL 101-11 (SIZE)
- 30 INSTALL BRASS MARKER IN 8-INCH CONCRETE CYLINDER MARKED WITH "CITY OF DAVIS WATER MAIN". INSTALL PER CITY STANDARD, EXCEPT SET MARKER FLUSH WITH EXISTING GRADE.

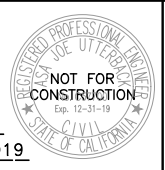
SPECIAL CONSTRUCTION NOTES:

- 13-1 LOCATE EXISTING SERVICE SADDLE. CUT AND CAP 6-INCH MAIN AT 2 FEET BEYOND SERVICE CONNECTION. ABANDON DISCONNECTED 6-INCH WATER MAIN TO THE EAST.
- 13-2 ALL GOLF COURSE FACILITIES, INCLUDING THE CLUB HOUSE AT 24439 FAIRWAY DR ARE SERVED BY THIS (E) 2" METERED SERVICE. (E) METER TO REMAIN IN USE

PRE-FINAL SUBMITTAL

DESIGNED	AJU				
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CHECKED	KLW				
NO.	BY	DATE	REVISION	APP'D	DATE

DESIGN ENGINEER
BY ASA J. UTTERBACK
ENGINEER'S NAME
DATE JANUARY 12, 2018 P.E. C57700
REGISTRATION EXPIRES 12/31/2019

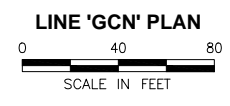
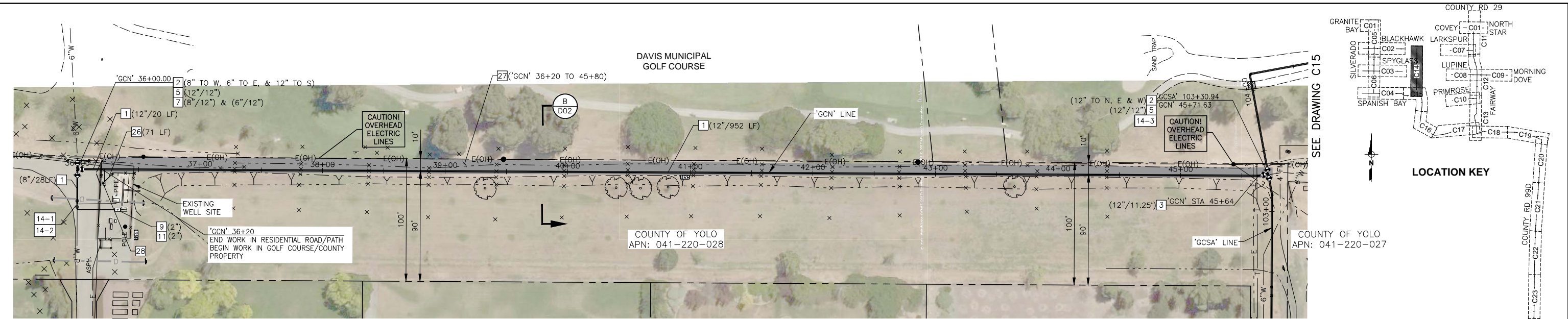


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COUNTY OF YOLO DEPARTMENT OF COMMUNITY SERVICES
IMPROVEMENT PLANS FOR
**NORTH DAVIS MEADOWS WATER SYSTEM
CONSOLIDATION PROJECT**

SCALE
AS SHOWN
DATE: 1/12/2018
DWG NO
C13
SHEET NO
24 of 36

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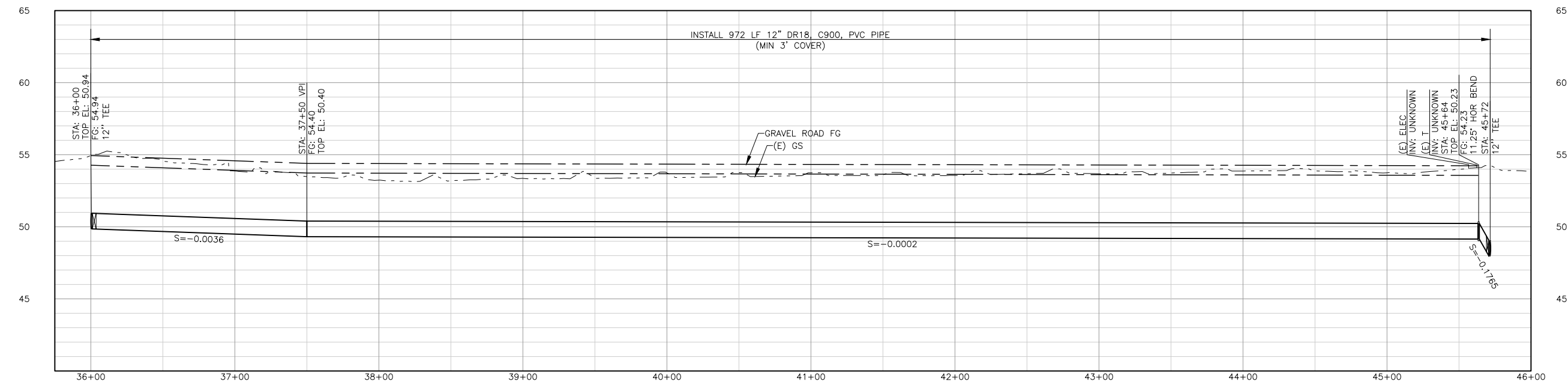


CONSTRUCTION NOTES:

- 1 INSTALL WATER PIPE (DIAMETER/LENGTH)
- 2 INSTALL GATE VALVE (SIZE)
- 3 INSTALL HORIZONTAL BEND (SIZE/ANGLE)
- 5 INSTALL TEE (SIZE/SIZE)
- 7 INSTALL REDUCER (SIZE/SIZE)
- 9 INSTALL WATER SERVICE LATERAL (SIZE)
- 11 INSTALL BACKFLOW PREVENTION ASSEMBLY WITH INSULATION AND PROTECTIVE COVER PER DETAIL ## (SIZE)
- 26 REMOVE AND RELOCATE EXISTING CHAIN LINK FENCE. REPLACE A PORTION OF FENCE WITH 16' DOUBLE SWING GATE PER COUNTY STD DETAIL 9-12 (TOTAL LENGTH)
- 27 CONSTRUCT 8-INCH THICK, 12' WIDE GRAVEL ROAD (STA TO STA)
- 28 INSTALL 1-INCH SERVICE THROUGH ANGLE METER STOP VALVE WITH METER BOX AND PIPE STUB AFTER VALVE PER CITY STANDARD FOR FUTURE PRESSURE SENSOR/TRANSDUCER (BY OTHERS). NO METER REQUIRED.

SPECIAL CONSTRUCTION NOTES:

- 14-1 REMOVE EXISTING 6" PIPE, 6" GV, TEE, AND 6"x8" REDUCER AND CONNECT TO EXISTING 8" GV WITH 8" FCA. DISCONNECT AND REMOVE 20 LF OF EXISTING 8" PIPE TO SOUTH. CAP AND ABANDON EXISTING PIPE FROM WELL. THIS WORK SHALL NOT BE PERFORMED UNTIL ALL OTHER PIPE CONSTRUCTION IS COMPLETED, TESTED, FLUSHED, AND READY TO PUT INTO SERVICE DUE TO CONNECTION OF WELL.
- 14-2 ALL REMOVAL AND INSTALLATION WORK WHERE PIPE AND/OR FITTINGS ARE BEING REPLACED IN THE SAME POSITION SHALL BE PERFORMED UNDER CONTINUOUS INSPECTION FOR IMMEDIATE REACTIVATION.
- 14-3 PROVIDE AND INSTALL ADDITIONAL TEMPORARY FITTINGS AND PIPING AS NEEDED FOR STAGED FILLING, TESTING, AND CONNECTION. REMOVE ALL TEMPORARY MATERIALS AND MAKE FINAL CONNECTIONS UNDER FULL-TIME INSPECTION.

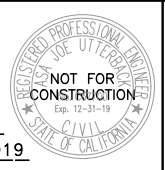


LINE 'GCN' PROFILE
SCALE: H:1"=40', V:1"=4'

PRE-FINAL SUBMITTAL

DESIGNED <u>AJU</u>					
DRAWN <u>JRR</u>					
CHECKED <u>KLW</u>					
	NO.	BY	DATE	REVISION	APP'D DATE

DESIGN ENGINEER
BY ASA J. UTTERBACK
ENGINEER'S NAME
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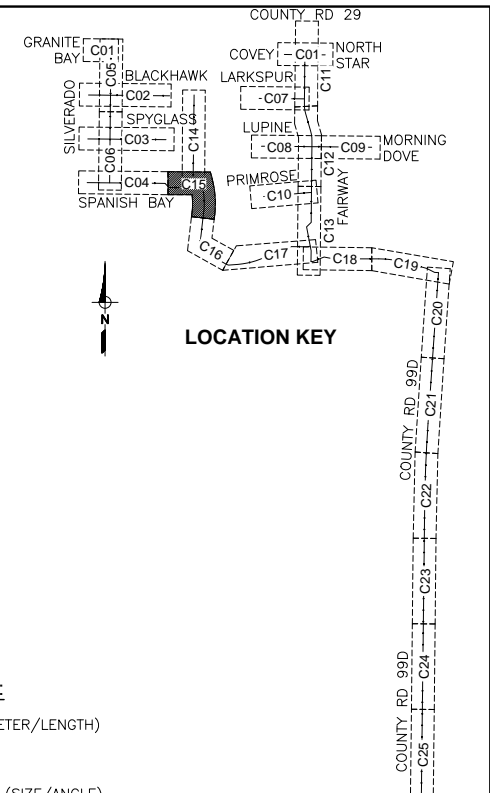
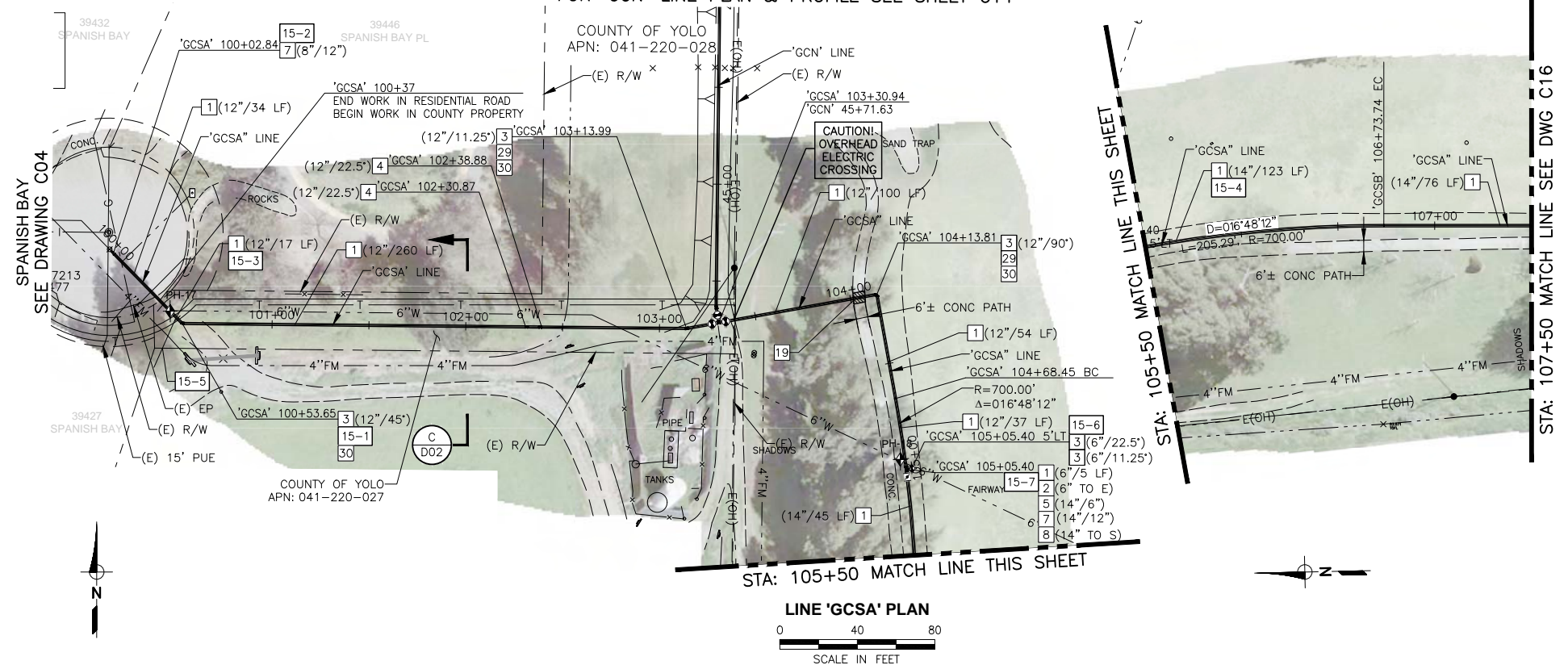
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COUNTY OF YOLO DEPARTMENT OF COMMUNITY SERVICES
IMPROVEMENT PLANS FOR
NORTH DAVIS MEADOWS WATER SYSTEM CONSOLIDATION PROJECT
GOLF COURSE FAIRWAY NORTH
PLAN AND PROFILE

SCALE
AS SHOWN
DATE: 1/12/2018
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C14
SHEET NO
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FOR 'GCN' LINE PLAN & PROFILE SEE SHEET C14

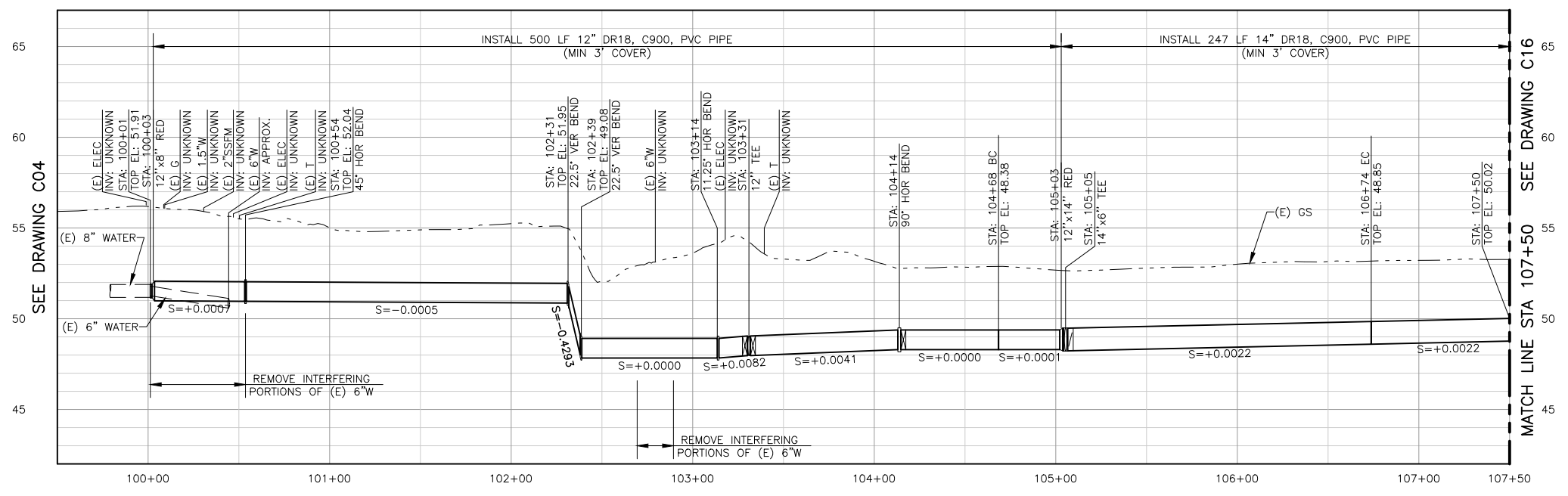


CONSTRUCTION NOTES:

- 1 INSTALL WATER PIPE (DIAMETER/LENGTH)
- 2 INSTALL GATE VALVE (SIZE)
- 3 INSTALL HORIZONTAL BEND (SIZE/ANGLE)
- 4 INSTALL VERTICAL BEND (SIZE/ANGLE)
- 5 INSTALL TEE (SIZE/SIZE)
- 7 INSTALL REDUCER (SIZE/SIZE)
- 8 INSTALL BUTTERFLY VALVE (SIZE)
- 19 REMOVE AND REPLACE 6-INCH CONCRETE PATH TO AT LEAST 1-FOOT BEYOND TRENCH EXCAVATION LIMITS. SAWCUT THE REPLACEMENT LIMITS PERPENDICULAR TO THE EXISTING PATH. WHERE LIMITS PER THIS REQUIREMENT ARE WITHIN 2- FEET OF AN EXISTING JOINT, EXTEND SAWCUT & REPLACEMENT LIMIT TO THE EXISTING JOINT
- 29 INSTALL BLUE COMPOSITE UTILITY MARKER WITH DECAL STATING "CAUTION WATER PIPELINE" PER CITY STANDARDS.
- 30 INSTALL BRASS MARKER IN 8-INCH CONCRETE CYLINDER MARKED WITH "CITY OF DAVIS WATER MAIN". INSTALL PER CITY STANDARD, EXCEPT SET MARKER FLUSH WITH EXISTING GRADE.

SPECIAL CONSTRUCTION NOTES:

- 15-1 PROVIDE AND INSTALL ADDITIONAL TEMPORARY FITTINGS AND PIPING AS NEEDED FOR STAGED FILLING, TESTING, AND CONNECTION. REMOVE ALL TEMPORARY MATERIALS AND MAKE FINAL CONNECTION UNDER FULL-TIME INSPECTION.
- 15-2 REMOVE EXISTING 6" GATE VALVE AND REDUCER AS NEEDED TO CONNECT NEW WATER MAIN AS SHOWN.
- 15-3 ALL REMOVAL AND INSTALLATION WORK WHERE PIPE AND/OR FITTINGS ARE BEING REPLACED IN THE SAME POSITION SHALL BE PERFORMED UNDER CONTINUOUS INSPECTION FOR IMMEDIATE REACTIVATION.
INSTALL PIPE IN CURVED ALIGNMENT WITH DEFLECTION ONLY AT MECHANICAL JOINT (MJ) COUPLINGS ON PLAIN PIPE ENDS AS NECESSARY TO APPROXIMATE THE DESIGNED CURVE RADIUS WITHOUT EXCEEDING A TOTAL DEFLECTION OF 4 DEGREES THROUGH ANY OF THE COUPLINGS. INSTALL COUPLINGS WITH EQUAL DEFLECTIONS ON EACH JOINT OF THE COUPLING. CONTRACTOR SHALL NOT BEND PIPE. CONTRACTOR SHALL NOT DEFLECT (PULL) BELL AND SPIGOT JOINTS TO ACHIEVE CURVED PIPE ALIGNMENT.
- 15-5 EXISTING UNUSED IRRIGATION SERVICE TO BE ABANDONED.
- 15-6 INSTALL 11.25 AND 22.5 BENDS BACK-TO-BACK WITH FLANGED CONNECTION.
- 15-7 EXISTING 6"W LOCATION NOT SURVEYED. FIELD FIT LOCATION OF 14" TEE TO CONNECT AS SHOWN.



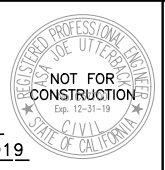
LINE 'GCSA' PROFILE

SCALE: H:1"=40', V:1"=4'

PRE-FINAL SUBMITTAL

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NO.	BY	DATE	REVISION	APP'D	DATE

DESIGN ENGINEER
 BY ASA J. UTTERBACK
 ENGINEER'S NAME
 DATE JANUARY 12, 2018 P.E. C57700
 REGISTRATION EXPIRES 12/31/2019

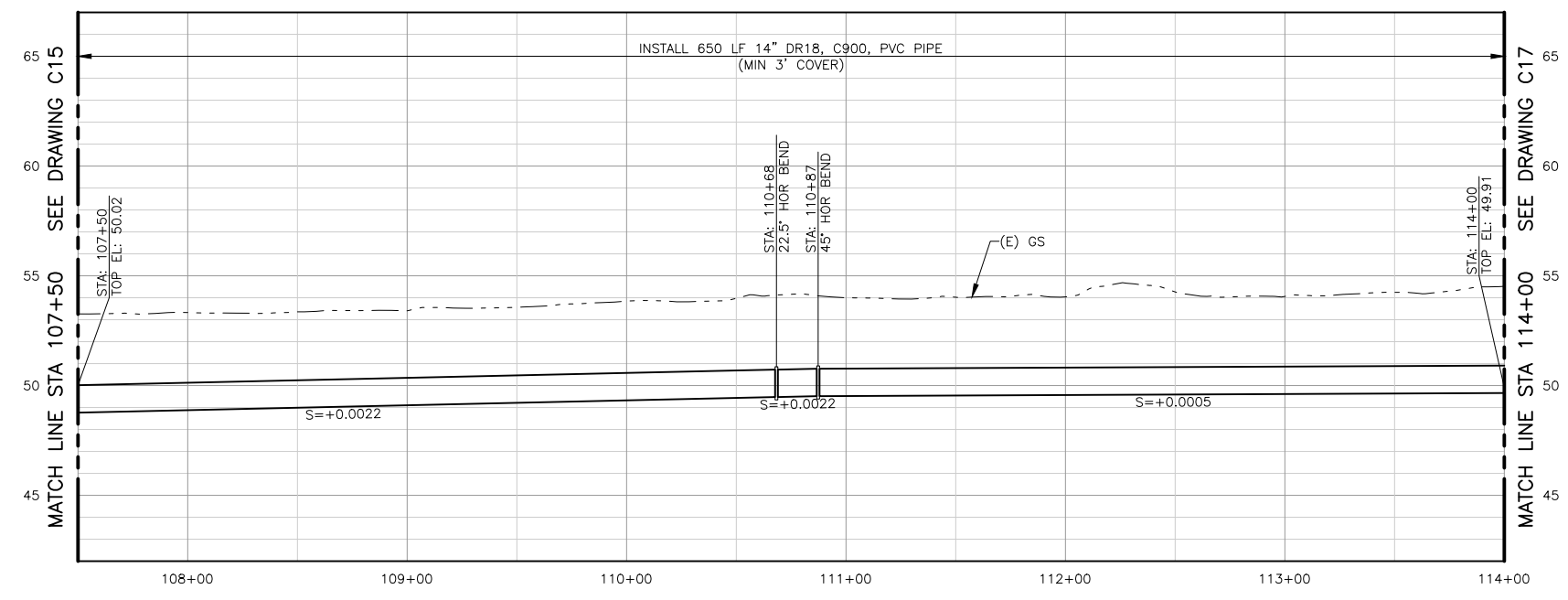
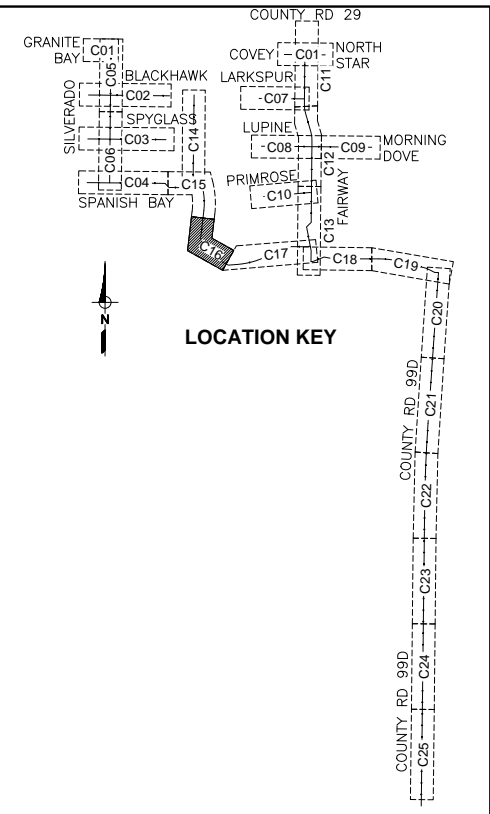
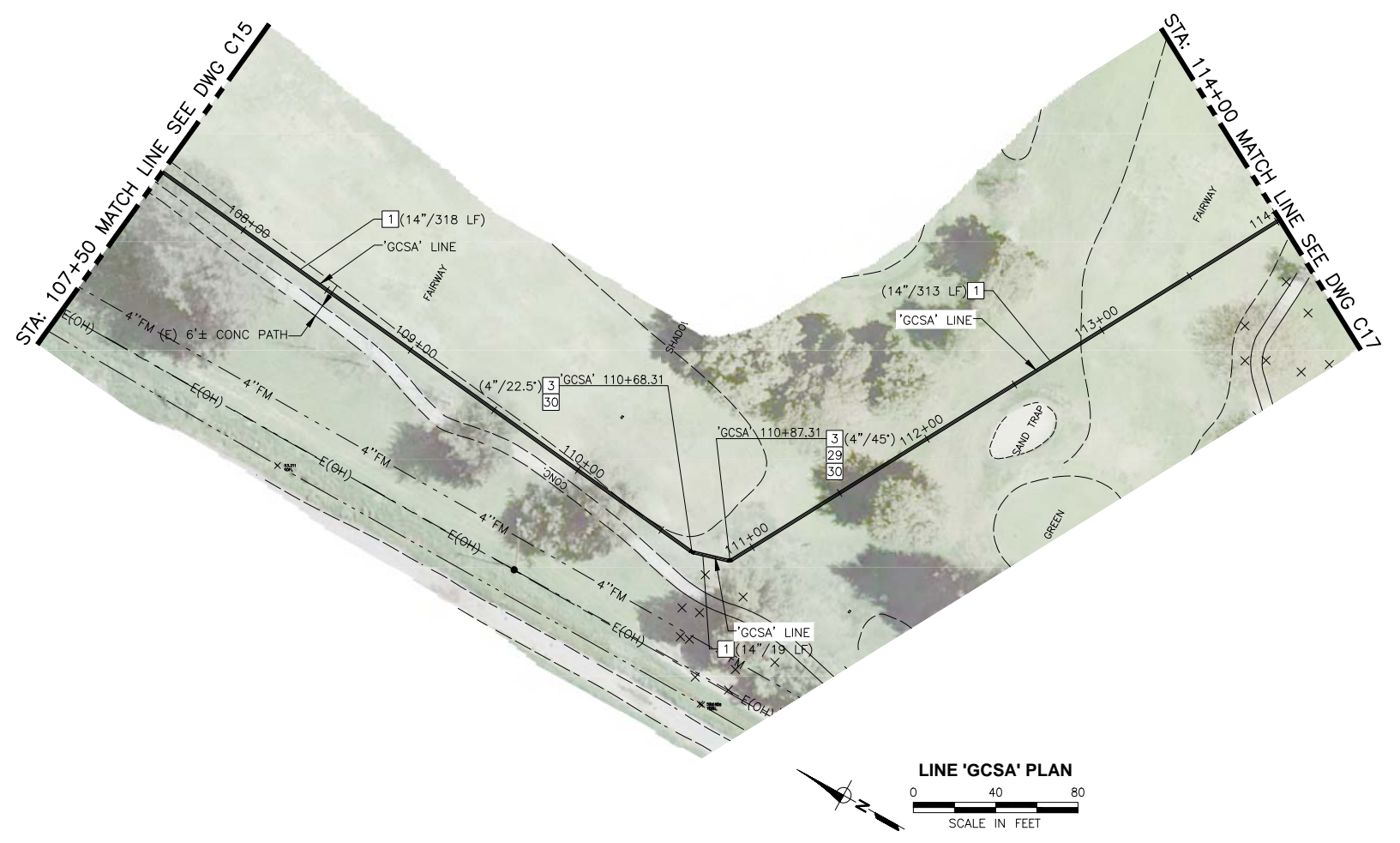


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COUNTY OF YOLO DEPARTMENT OF COMMUNITY SERVICES
 IMPROVEMENT PLANS FOR
 NORTH DAVIS MEADOWS WATER SYSTEM
 CONSOLIDATION PROJECT
 GOLF COURSE FAIRWAY SOUTH A
 PLAN AND PROFILE 1

SCALE AS SHOWN	DWG NO C15
DATE: 1/12/2018	SHEET NO 26 of 36

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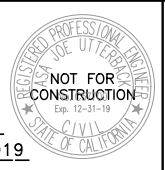


- CONSTRUCTION NOTES:**
- 1 INSTALL WATER PIPE (DIAMETER/LENGTH)
 - 3 INSTALL HORIZONTAL BEND (SIZE/ANGLE)
 - 8 INSTALL BUTTERFLY VALVE (SIZE)
 - 29 INSTALL BLUE COMPOSITE UTILITY MARKER WITH DECAL STATING "CAUTION WATER PIPELINE" PER CITY STANDARDS.
 - 30 INSTALL BRASS MARKER IN 8-INCH CONCRETE CYLINDER MARKED WITH "CITY OF DAVIS WATER MAIN". INSTALL PER CITY STANDARD, EXCEPT SET MARKER FLUSH WITH EXISTING GRADE.

PRE-FINAL SUBMITTAL

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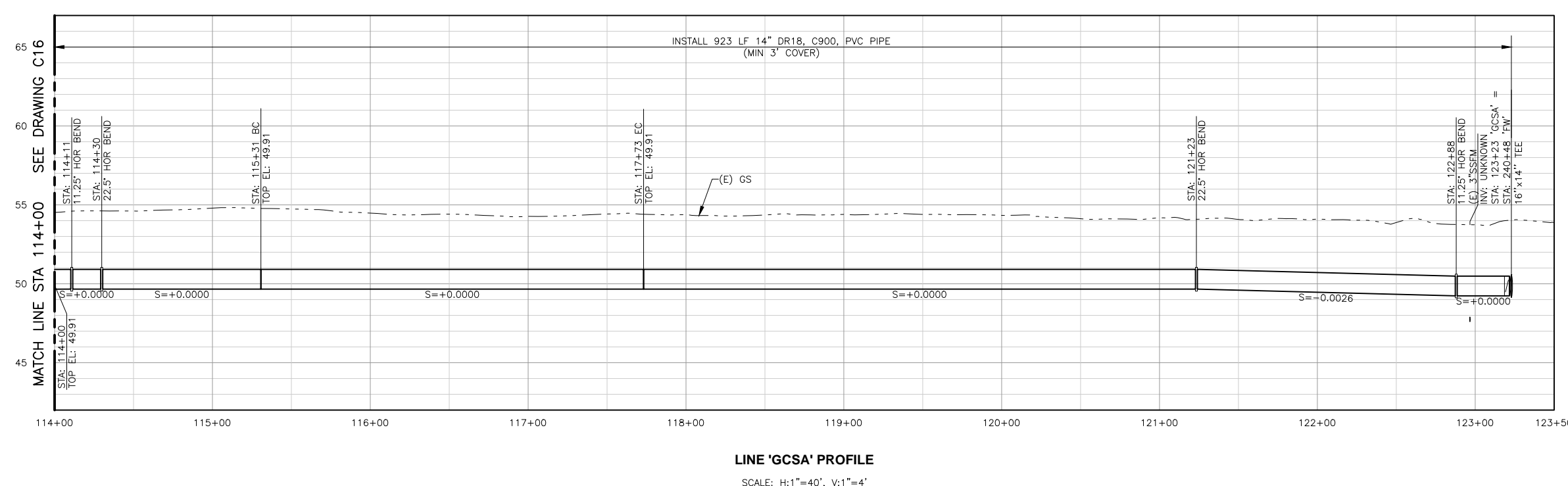
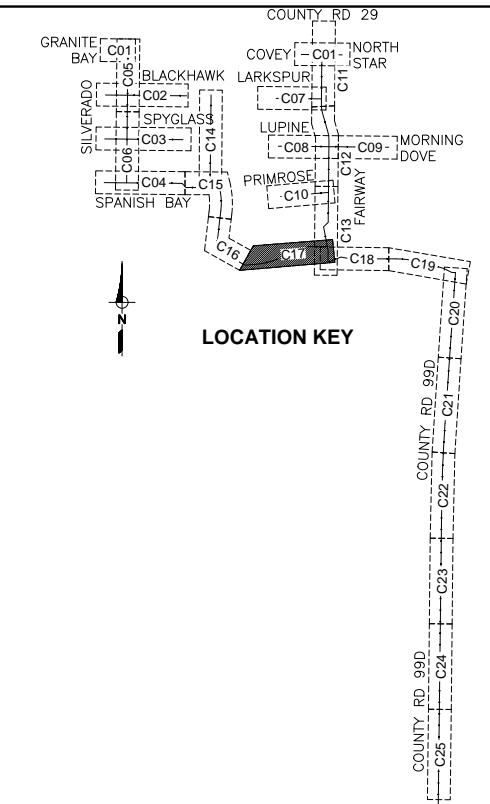
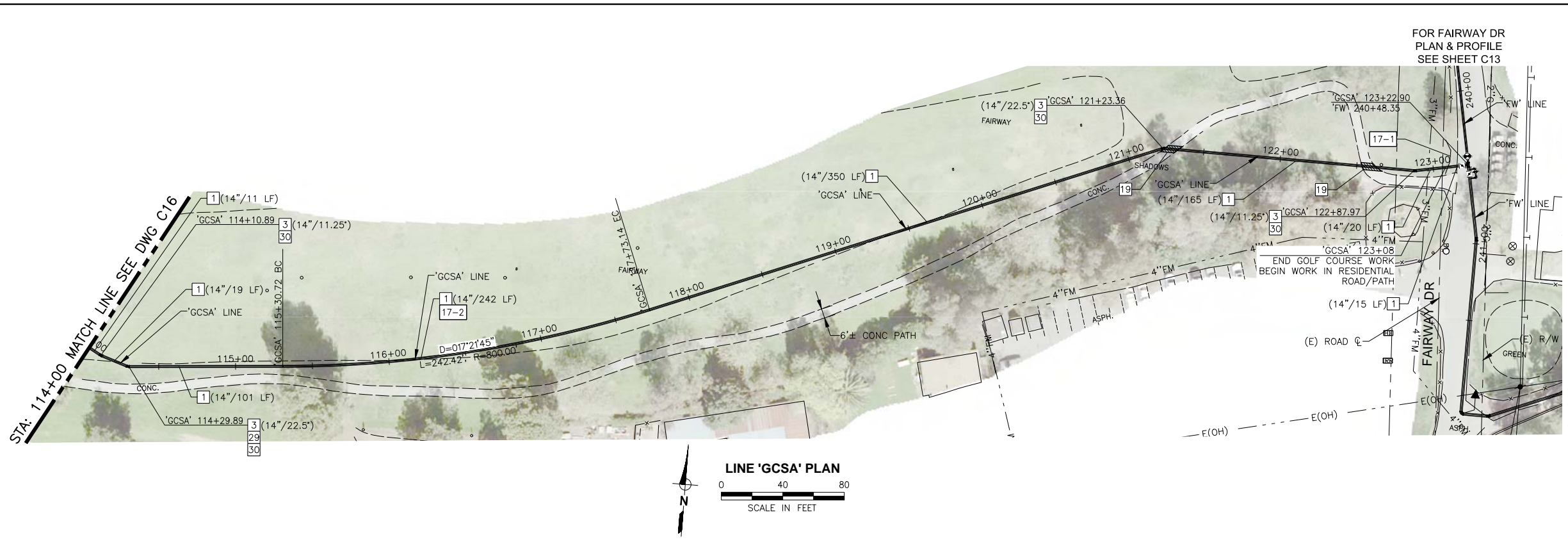


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COUNTY OF YOLO DEPARTMENT OF COMMUNITY SERVICES
 IMPROVEMENT PLANS FOR
NORTH DAVIS MEADOWS WATER SYSTEM CONSOLIDATION PROJECT
 GOLF COURSE FAIRWAY SOUTH A
 PLAN AND PROFILE 2

SCALE
 AS SHOWN
 DATE: 1/12/2018
 DWG NO
C16
 SHEET NO
27 of 36

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- CONSTRUCTION NOTES:**
- 1 INSTALL WATER PIPE (DIAMETER/LENGTH)
 - 3 INSTALL HORIZONTAL BEND (SIZE/ANGLE)
 - 19 REMOVE AND REPLACE 6-INCH CONCRETE PATH TO AT LEAST 1-FOOT BEYOND TRENCH EXCAVATION LIMITS. SAWCUT THE REPLACEMENT LIMITS PERPENDICULAR TO THE EXISTING PATH. WHERE LIMITS PER THIS REQUIREMENT ARE WITHIN 2-FOOT OF AN EXISTING JOINT, EXTEND SAWCUT & REPLACEMENT LIMIT TO THE EXISTING JOINT.
 - 29 INSTALL BLUE COMPOSITE UTILITY MARKER WITH DECAL STATING "CAUTION WATER PIPELINE" PER CITY STANDARDS.
 - 30 INSTALL BRASS MARKER IN 8-INCH CONCRETE CYLINDER MARKED WITH "CITY OF DAVIS WATER MAIN". INSTALL PER CITY STANDARD, EXCEPT SET MARKER FLUSH WITH EXISTING GRADE.
- SPECIAL CONSTRUCTION NOTES:**
- 17-1 REMOVE AND REPLACE EXISTING SPLIT RAIL FENCE AS NEEDED TO PERFORM CONTRACT WORK. RESTORE TO EQUAL OR BETTER CONDITION.
 - 17-2 INSTALL PIPE IN CURVED ALIGNMENT WITH DEFLECTION ONLY AT MECHANICAL JOINT (MJ) COUPLINGS ON PLAIN PIPE ENDS AS NECESSARY TO APPROXIMATE THE DESIGNED CURVE RADIUS WITHOUT EXCEEDING A TOTAL DEFLECTION OF 4 DEGREES THROUGH ANY OF THE COUPLINGS. INSTALL COUPLINGS WITH EQUAL DEFLECTIONS ON EACH JOINT OF THE COUPLING. CONTRACTOR SHALL NOT BEND PIPE. CONTRACTOR SHALL NOT DEFLECT (PULL) BELL AND SPIGOT JOINTS TO ACHIEVE CURVED PIPE ALIGNMENT.

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COUNTY OF YOLO DEPARTMENT OF COMMUNITY SERVICES
 IMPROVEMENT PLANS FOR
 NORTH DAVIS MEADOWS WATER SYSTEM
 CONSOLIDATION PROJECT
 GOLF COURSE FAIRWAY SOUTH A
 PLAN AND PROFILE 3

PRE-FINAL SUBMITTAL

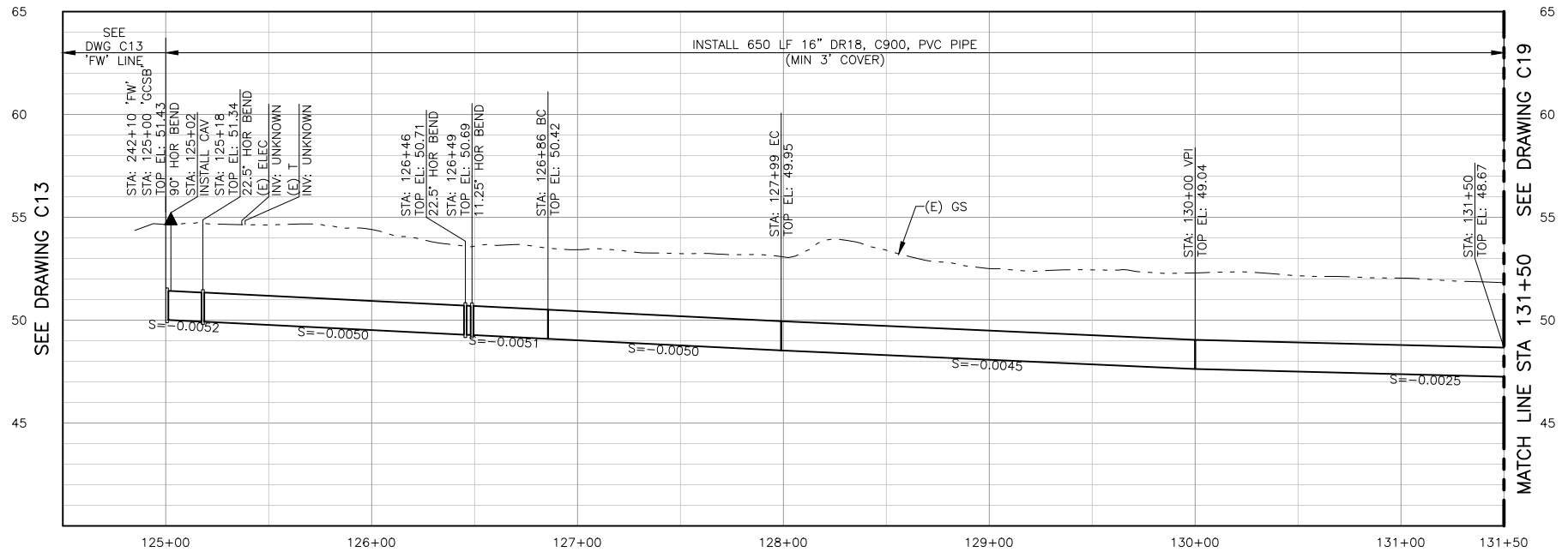
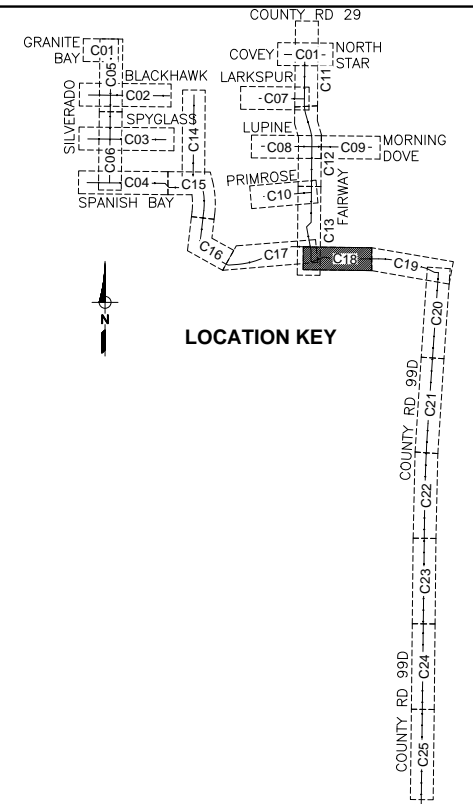
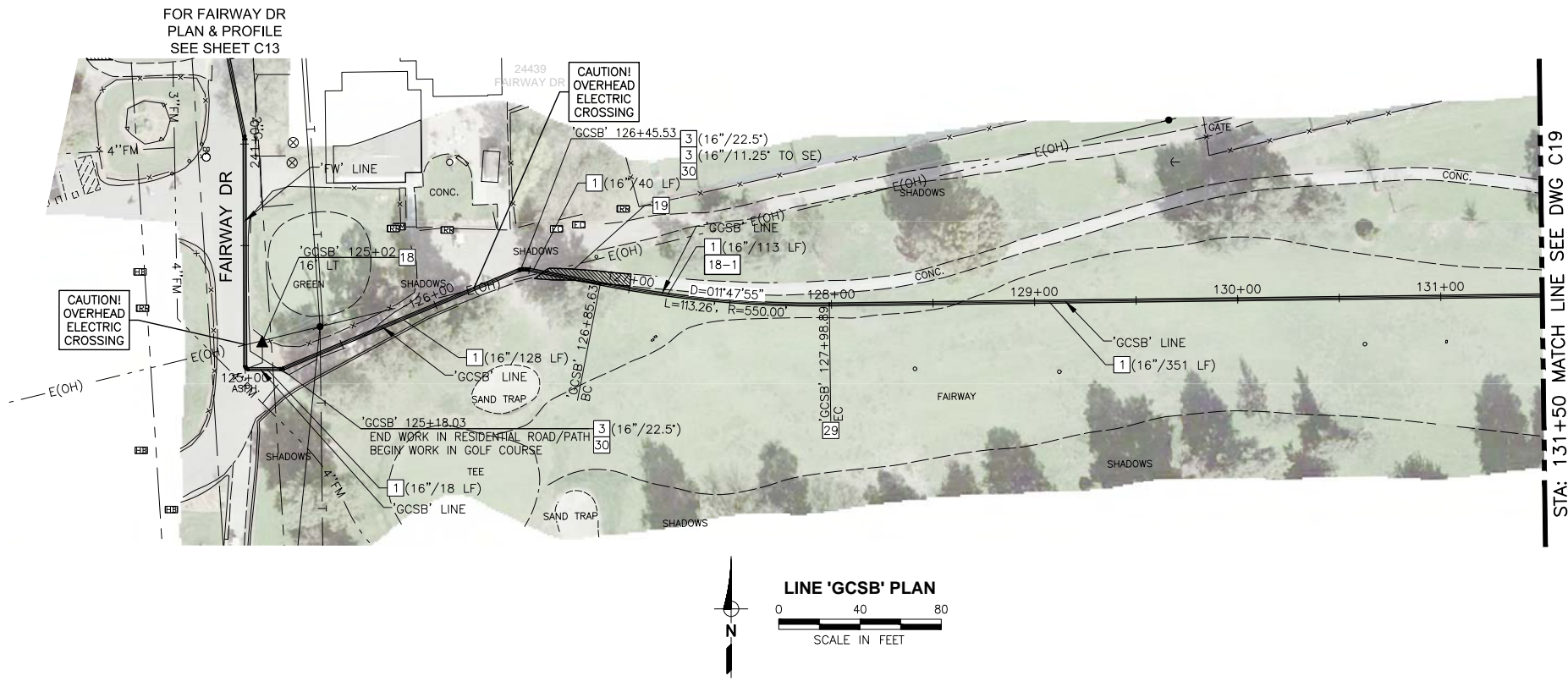
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DATE: 1/12/2018

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CONSTRUCTION NOTES:

- 1 INSTALL WATER PIPE (DIAMETER/LENGTH)
- 3 INSTALL HORIZONTAL BEND (SIZE/ANGLE)
- 18 INSTALL COMBINATION AIR/VACUUM VALVE ASSEMBLY COMPLETE WITH 1-INCH SERVICE PER COUNTY OF YOLO STD DETAIL 8-14
REMOVE AND REPLACE 6-INCH CONCRETE PATH TO AT LEAST 1-FOOT BEYOND TRENCH EXCAVATION LIMITS. SAWCUT THE REPLACEMENT LIMITS PERPENDICULAR TO THE EXISTING PATH. WHERE LIMITS PER THIS REQUIREMENT ARE WITHIN 2-FEET OF AN EXISTING JOINT, EXTEND SAWCUT & REPLACEMENT LIMIT TO THE EXISTING JOINT
- 19 INSTALL BLUE COMPOSITE UTILITY MARKER WITH DECAL STATING "CAUTION WATER PIPELINE" PER CITY STANDARDS.
- 29 INSTALL BRASS MARKER IN 8-INCH CONCRETE CYLINDER MARKED WITH "CITY OF DAVIS WATER MAIN". INSTALL PER CITY STANDARD, EXCEPT SET MARKER FLUSH WITH EXISTING GRADE.

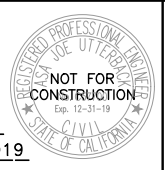
SPECIAL CONSTRUCTION NOTES:

- 18-1 INSTALL PIPE IN CURVED ALIGNMENT WITH DEFLECTION ONLY AT MECHANICAL JOINT (MJ) COUPLINGS ON PLAIN PIPE ENDS AS NECESSARY TO APPROXIMATE THE DESIGNED CURVE RADIUS WITHOUT EXCEEDING A TOTAL DEFLECTION OF 4 DEGREES THROUGH ANY OF THE COUPLINGS. INSTALL COUPLINGS WITH EQUAL DEFLECTIONS ON EACH JOINT OF THE COUPLING. CONTRACTOR SHALL NOT BEND PIPE. CONTRACTOR SHALL NOT DEFLECT (PULL) BELL AND SPIGOT JOINTS TO ACHIEVE CURVED PIPE ALIGNMENT.

PRE-FINAL SUBMITTAL

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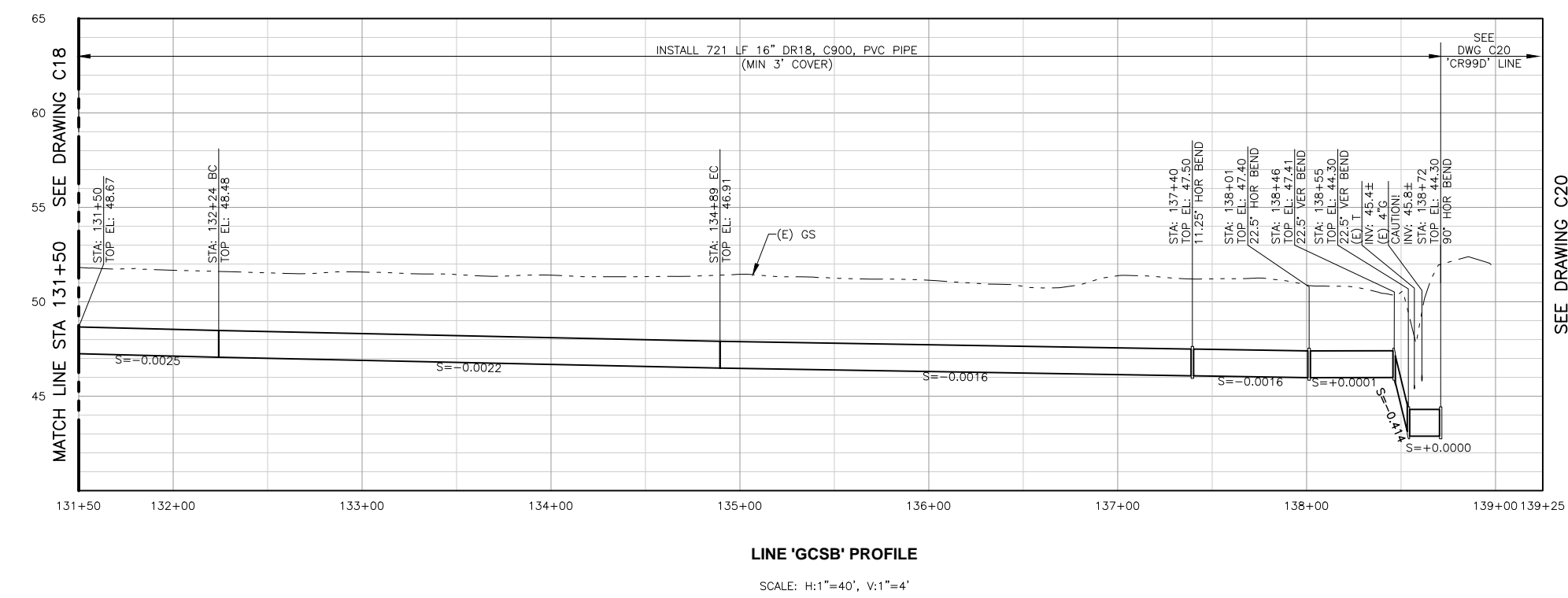
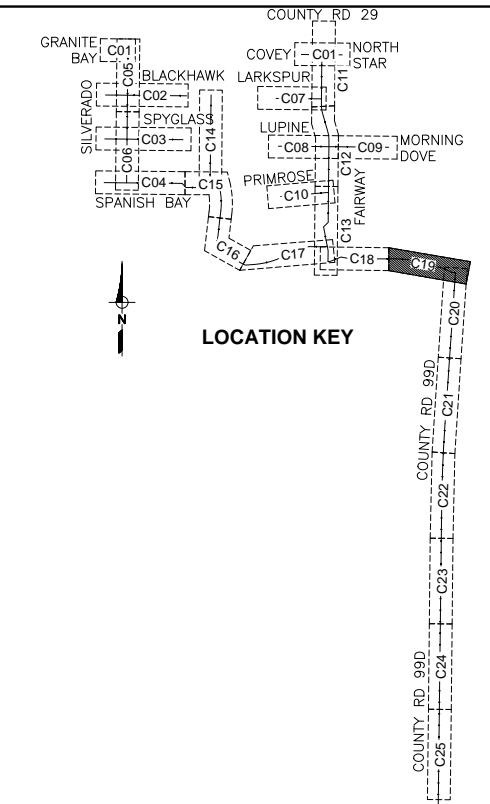
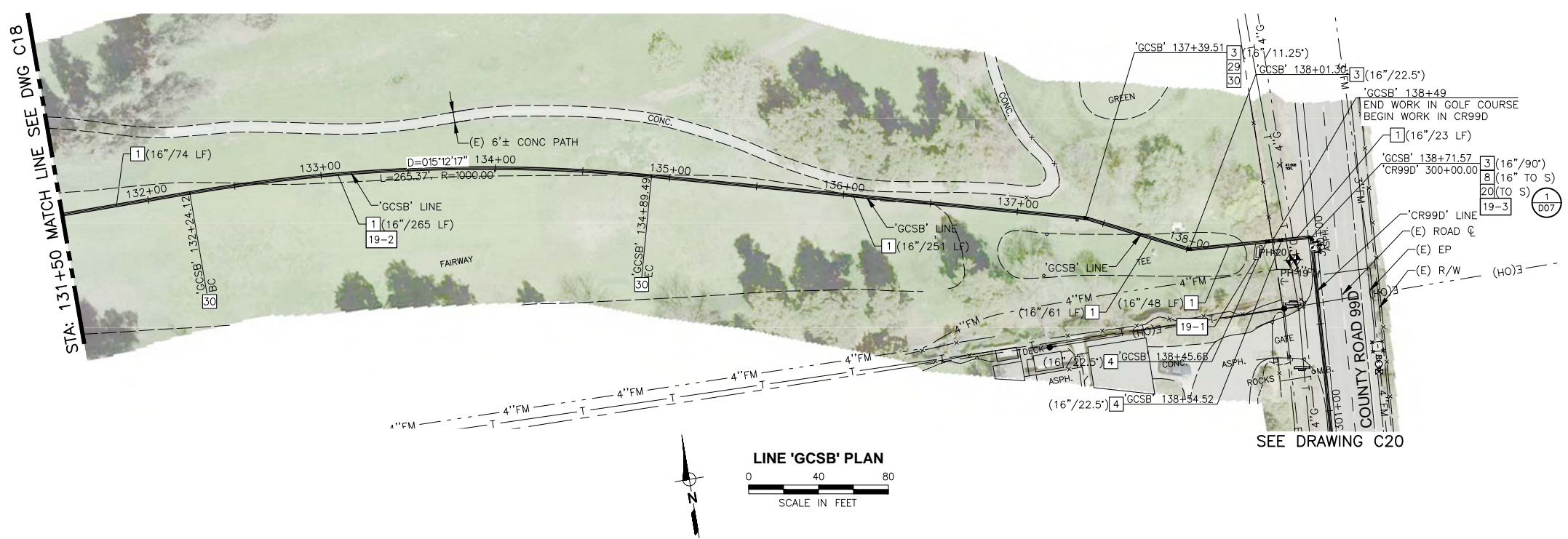


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COUNTY OF YOLO DEPARTMENT OF COMMUNITY SERVICES
 IMPROVEMENT PLANS FOR
NORTH DAVIS MEADOWS WATER SYSTEM CONSOLIDATION PROJECT
GOLF COURSE FAIRWAY SOUTH B PLAN AND PROFILE 1

SCALE
AS SHOWN
 DATE: 1/12/2018
 DWG NO
C18
 SHEET NO
29 of 36

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CONSTRUCTION NOTES:

- 1 INSTALL WATER PIPE (DIAMETER/LENGTH)
- 2 INSTALL GATE VALVE (SIZE)
- 3 INSTALL HORIZONTAL BEND (SIZE/ANGLE)
- 4 INSTALL VERTICAL BEND (SIZE/ANGLE)
- 8 INSTALL BUTTERFLY VALVE (SIZE)
- 20 INSTALL 6-INCH BYPASS WITH VALVES PER DETAIL 6/SHT 9
- 29 INSTALL BLUE COMPOSITE UTILITY MARKER WITH DECAL STATING "CAUTION WATER PIPELINE" PER CITY STANDARDS.
- 30 INSTALL BRASS MARKER IN 8-INCH CONCRETE CYLINDER MARKED WITH "CITY OF DAVIS WATER MAIN". INSTALL PER CITY STANDARD, EXCEPT SET MARKER FLUSH WITH EXISTING GRADE.

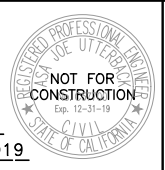
SPECIAL CONSTRUCTION NOTES:

- 19-1 REMOVE AND REPLACE EXISTING BENCH AND CONCRETE PAD IN KIND AS NEEDED FOR PIPE CONSTRUCTION. RESTORE TO EQUAL OR BETTER CONDITION.
INSTALL PIPE IN CURVED ALIGNMENT WITH DEFLECTION ONLY AT MECHANICAL JOINT (MJ) COUPLINGS ON PLAIN PIPE ENDS AS NECESSARY TO APPROXIMATE THE DESIGNED CURVE RADIUS WITHOUT EXCEEDING A TOTAL DEFLECTION OF 4 DEGREES THROUGH ANY OF THE COUPLINGS. INSTALL COUPLINGS WITH EQUAL DEFLECTIONS ON EACH JOINT OF THE COUPLING. CONTRACTOR SHALL NOT BEND PIPE. CONTRACTOR SHALL NOT DEFLECT (PULL) BELL AND SPIGOT JOINTS TO ACHIEVE CURVED PIPE ALIGNMENT.
- 19-2 WHERE EXCAVATION REMOVES, UNDERMINES, OR DAMAGES EXISTING PAVEMENT WITHIN THE EXISTING VEHICLE TRAVEL LANE, CONTRACTOR SHALL PERFORM FULL WIDTH OF 0.15' DEEP GRIND AND REPAVE OF ENTIRE LANE TO 10' BEYOND THE EXCAVATION/DAMAGE LIMITS IN EACH DIRECTION.

PRE-FINAL SUBMITTAL

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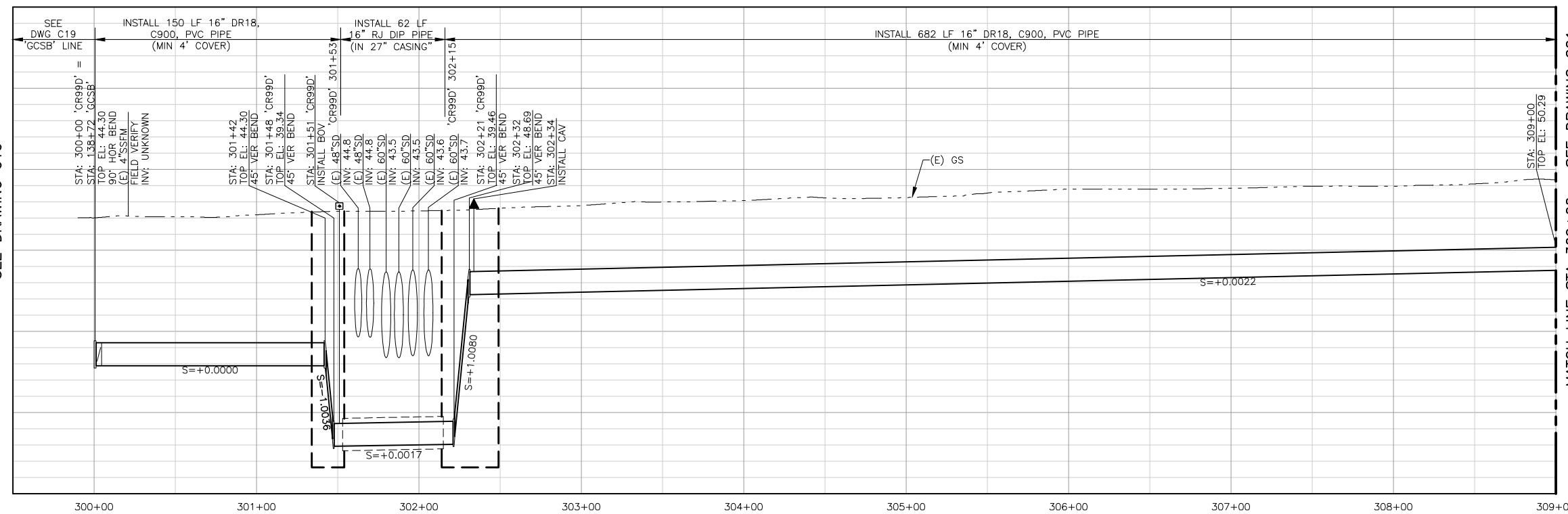
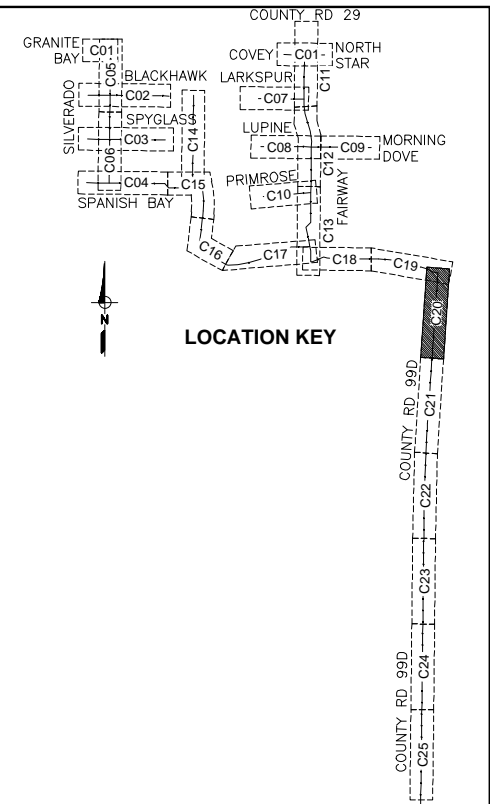
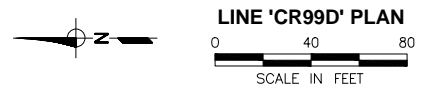
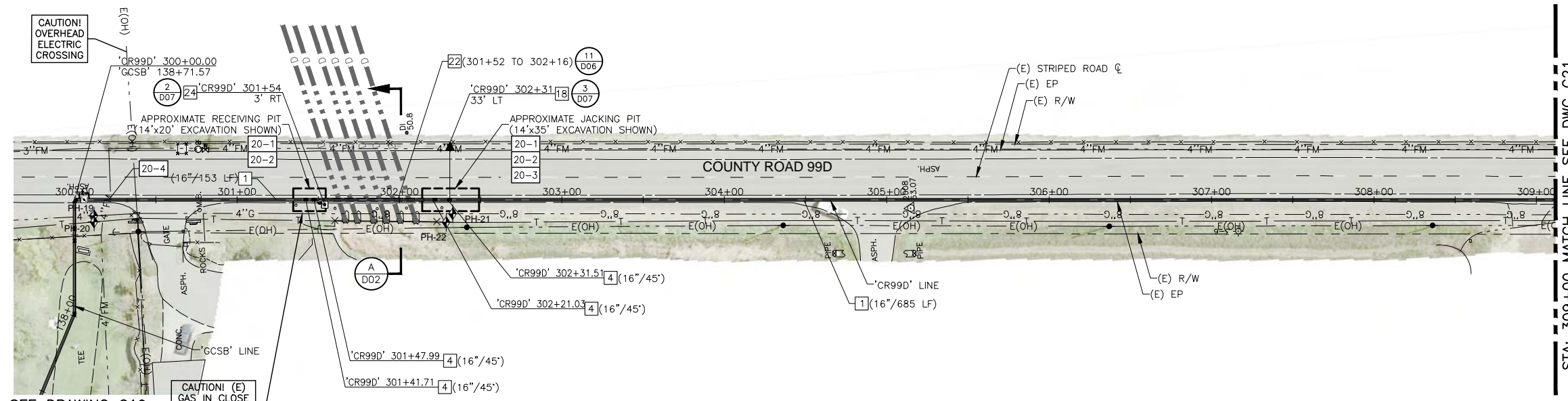


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COUNTY OF YOLO DEPARTMENT OF COMMUNITY SERVICES
 IMPROVEMENT PLANS FOR
 NORTH DAVIS MEADOWS WATER SYSTEM
 CONSOLIDATION PROJECT
 GOLF COURSE FAIRWAY SOUTH B
 PLAN AND PROFILE 2

SCALE
 AS SHOWN
 DATE: 1/12/2018
 DWG NO
 C19
 SHEET NO
 30 of 36

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SCALE: H:1"=40', V:1"=4'

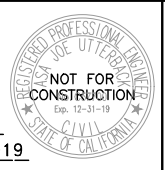
- CONSTRUCTION NOTES:**
- 1 INSTALL WATER PIPE (DIAMETER/LENGTH)
 - 3 INSTALL HORIZONTAL BEND (SIZE/ANGLE)
 - 4 INSTALL VERTICAL BEND (SIZE/ANGLE)
 - 18 INSTALL COMBINATION AIR/VACUUM VALVE ASSEMBLY COMPLETE WITH 1-INCH SERVICE PER DETAIL 5/SHT 8
 - 22 INSTALL 16-INCH RJ DUCTILE IRON WATER PIPE IN 27-INCH STEEL CASING BY BORE AND JACK METHOD PER DETAIL 11/SHT 10
 - 24 INSTALL 4-INCH LOW-POINT BLOW OFF ASSEMBLY PER DETAIL 7/SHT 9

- SPECIAL CONSTRUCTION NOTES:**
- 20-1 VERIFY LOCATION OF EXISTING GAS PIPELINE AT EACH PIT FOR THE BORE AND JACK PRIOR TO EXCAVATION OF PIT. OFFSETTING OF PIT FROM BORE CENTERLINE MAY BE REQUIRED.
 - 20-2 WHERE EXCAVATION REMOVES, UNDERMINES, OR DAMAGES EXISTING PAVEMENT WITHIN THE EXISTING VEHICLE TRAVEL LANE, CONTRACTOR SHALL PERFORM FULL WIDTH OF 0.15' DEEP GRIND AND REPAVE OF ENTIRE LANE TO 10' BEYOND THE EXCAVATION/DAMAGE LIMITS IN EACH DIRECTION.
 - 20-3 CONSTRUCTION OF THE BORE AND JACKED PIPE INSTALLATION IS PLANNED TO ALLOW FOR FULL CLOSURE OF COUNTY ROAD 99D IN BOTH DIRECTIONS WITH DETOURING OF TRAFFIC FOR UP TO THREE (3) WEEKS. CONTRACTOR SHALL PREPARE AND SUBMIT TRAFFIC CONTROL AND DETOUR PLANS AND CONFORM TO ALL TRAFFIC CONTROL AND NOTIFICATION REQUIREMENTS IN THESE CONTRACT PLANS AND SPECIFICATIONS FOR ANY LANE/ROAD CLOSURE UNDER THIS ALLOWANCE.
 - 20-4 LOCATION AND DEPTH OF EXISTING 4" SSFM NOT CONFIRMED. CONTRACTOR SHALL POT-HOLE TO LOCATE AND CONFIRM DEPTH PRIOR TO BEGINNING TRENCH EXCAVATION BETWEEN 'GCSB' 138+50 AND 'CR99D' 301+42

PRE-FINAL SUBMITTAL

DESIGNED <u>AJU</u>					
DRAWN <u>JRR</u>					
CHECKED <u>KLW</u>					
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BY ASA J. UTTERBACK
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REGISTRATION EXPIRES 12/31/2019

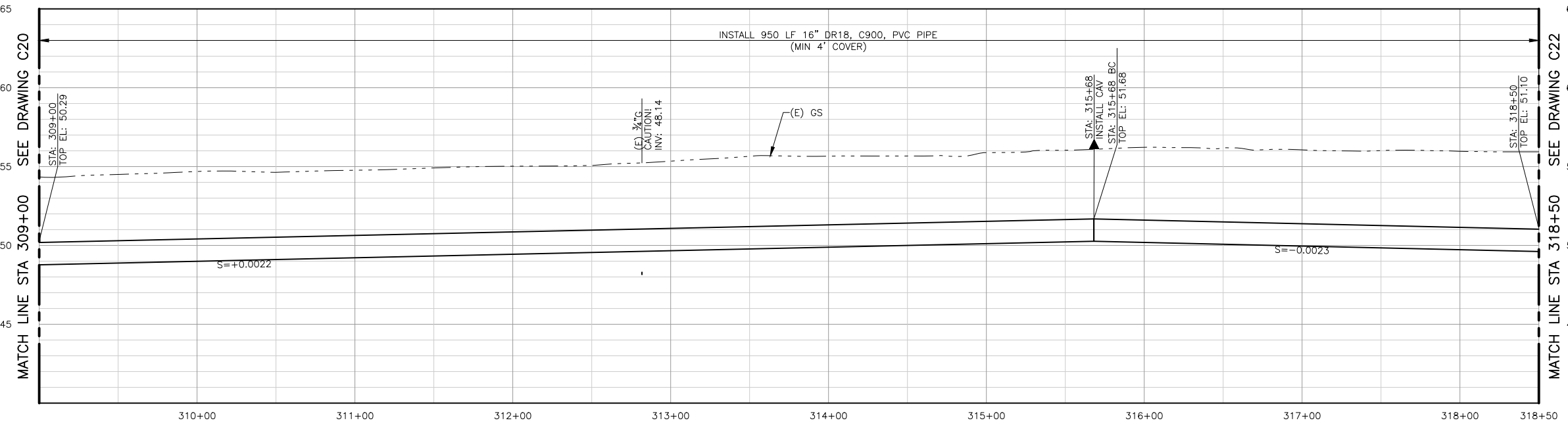
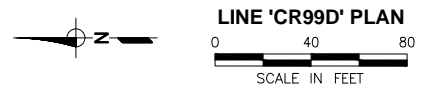
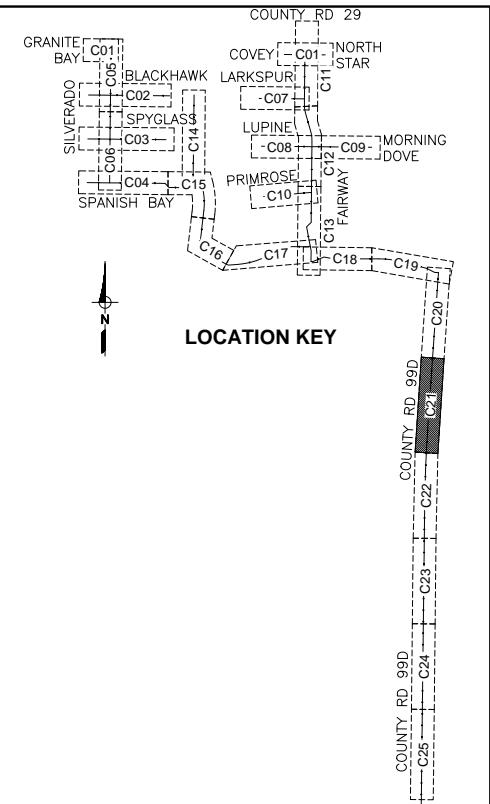
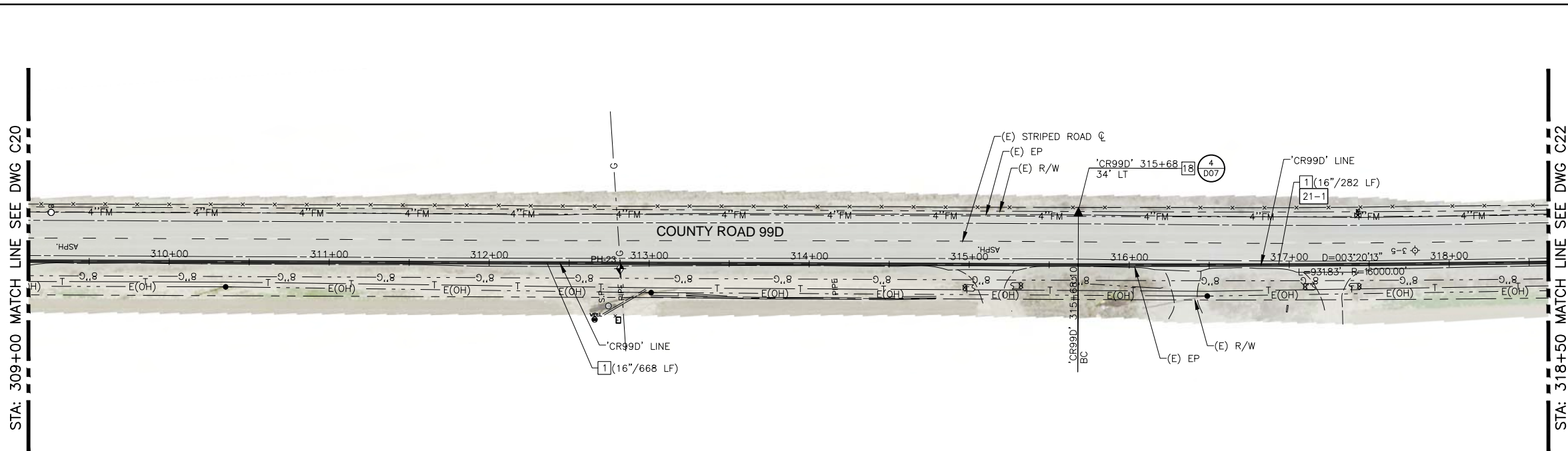


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COUNTY OF YOLO DEPARTMENT OF COMMUNITY SERVICES
IMPROVEMENT PLANS FOR
NORTH DAVIS MEADOWS WATER SYSTEM CONSOLIDATION PROJECT
COUNTY ROAD 99D
PLAN AND PROFILE 1

SCALE AS SHOWN	DWG NO C20
DATE: 1/12/2018	SHEET NO 31 of 36

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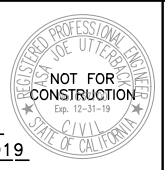
LINE 'CR99D' PROFILE
SCALE: H:1"=40', V:1"=4'

- CONSTRUCTION NOTES:**
- 1 INSTALL WATER PIPE (DIAMETER/LENGTH)
 - 18 INSTALL COMBINATION AIR/VACUUM VALVE ASSEMBLY COMPLETE WITH 1-INCH SERVICE PER DETAIL 5/SHT 8
- SPECIAL CONSTRUCTION NOTES:**
- 21-1 INSTALL PIPE IN CURVED ALIGNMENT WITH DEFLECTION ONLY AT MECHANICAL JOINT (MJ) COUPLINGS ON PLAIN PIPE ENDS AS NECESSARY TO APPROXIMATE THE DESIGNED CURVE RADIUS WITHOUT EXCEEDING A TOTAL DEFLECTION OF 4 DEGREES THROUGH ANY OF THE COUPLINGS. INSTALL COUPLINGS WITH EQUAL DEFLECTIONS ON EACH JOINT OF THE COUPLING. CONTRACTOR SHALL NOT BEND PIPE. CONTRACTOR SHALL NOT DEFLECT (PULL) BELL AND SPIGOT JOINTS TO ACHIEVE CURVED PIPE ALIGNMENT.

PRE-FINAL SUBMITTAL

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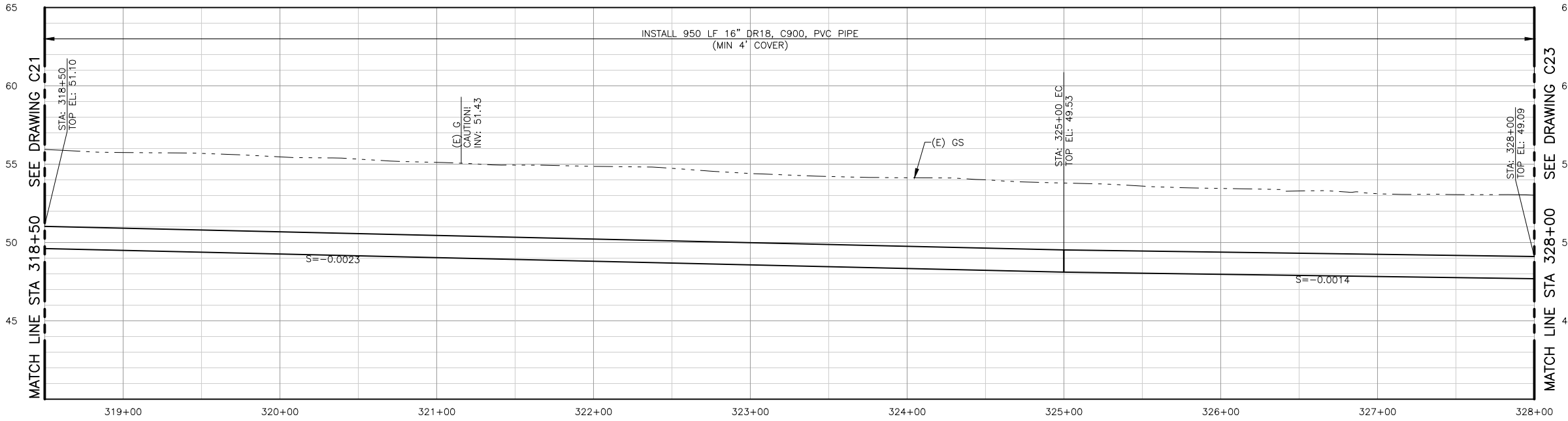
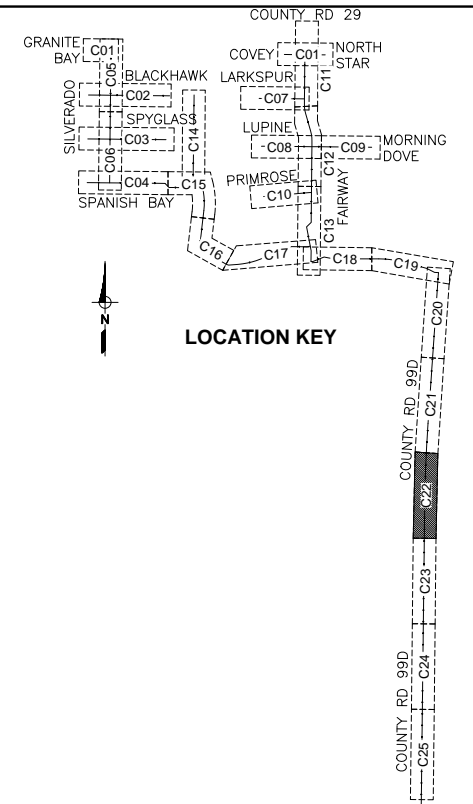
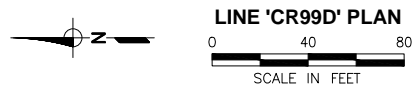
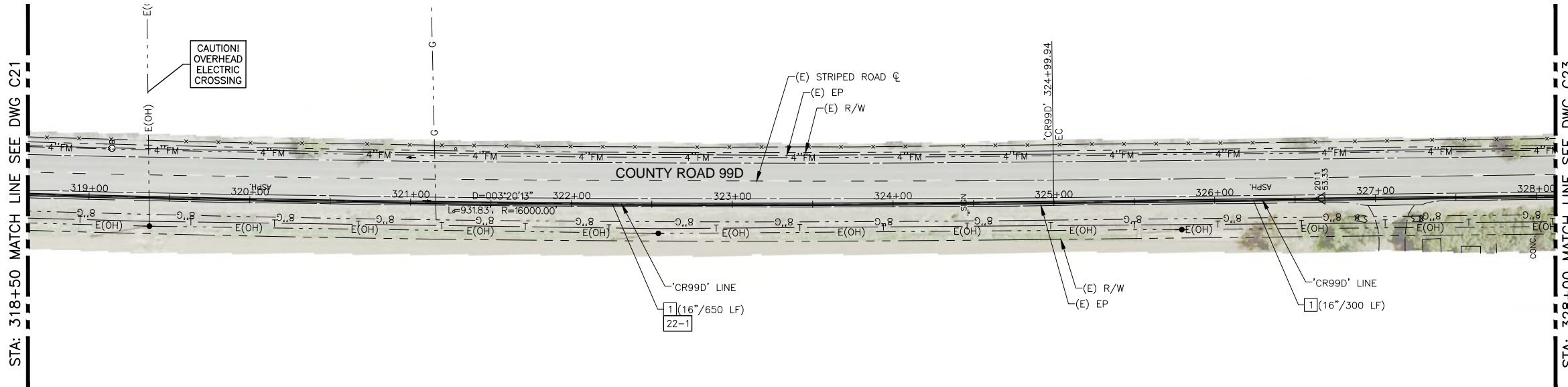


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COUNTY OF YOLO DEPARTMENT OF COMMUNITY SERVICES
IMPROVEMENT PLANS FOR
NORTH DAVIS MEADOWS WATER SYSTEM CONSOLIDATION PROJECT
COUNTY ROAD 99D
PLAN AND PROFILE 2

SCALE
AS SHOWN
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DWG NO
C21
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32 of 36

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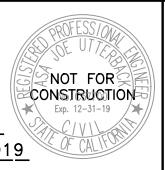
CONSTRUCTION NOTES:
1 INSTALL WATER PIPE (DIAMETER/LENGTH)

SPECIAL CONSTRUCTION NOTES:
22-1 INSTALL PIPE IN CURVED ALIGNMENT WITH DEFLECTION ONLY AT MECHANICAL JOINT (MJ) COUPLINGS ON PLAIN PIPE ENDS AS NECESSARY TO APPROXIMATE THE DESIGNED CURVE RADIUS WITHOUT EXCEEDING A TOTAL DEFLECTION OF 4 DEGREES THROUGH ANY OF THE COUPLINGS. INSTALL COUPLINGS WITH EQUAL DEFLECTIONS ON EACH JOINT OF THE COUPLING. CONTRACTOR SHALL NOT BEND PIPE. CONTRACTOR SHALL NOT DEFLECT (PULL) BELL AND SPIGOT JOINTS TO ACHIEVE CURVED PIPE ALIGNMENT.

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DATE JANUARY 12, 2018 P.E. C57700
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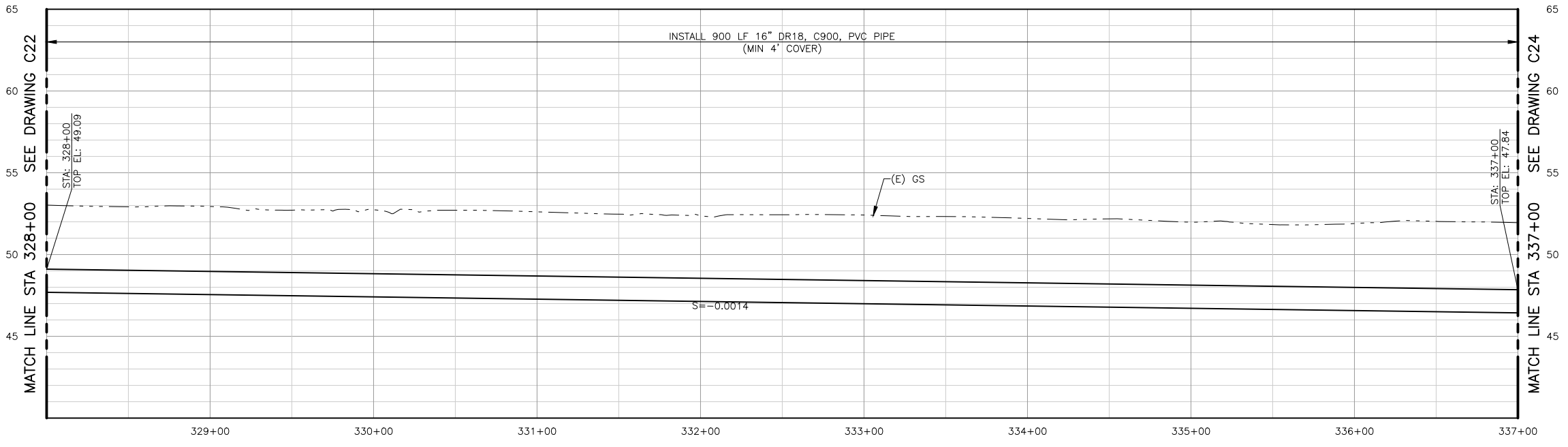
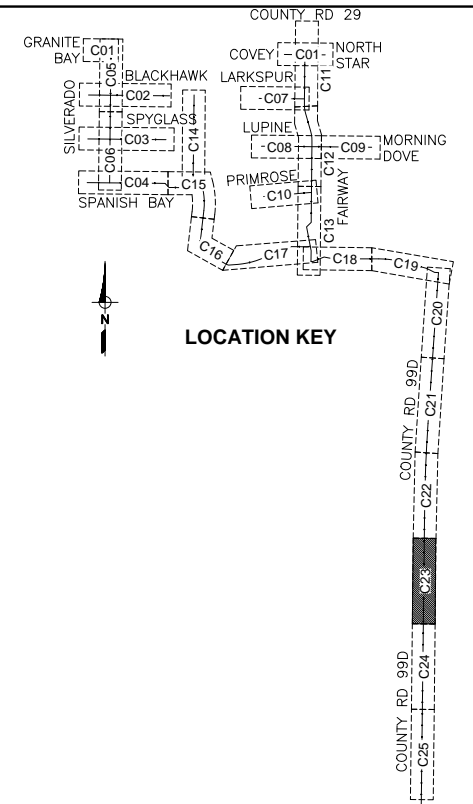
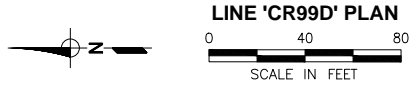
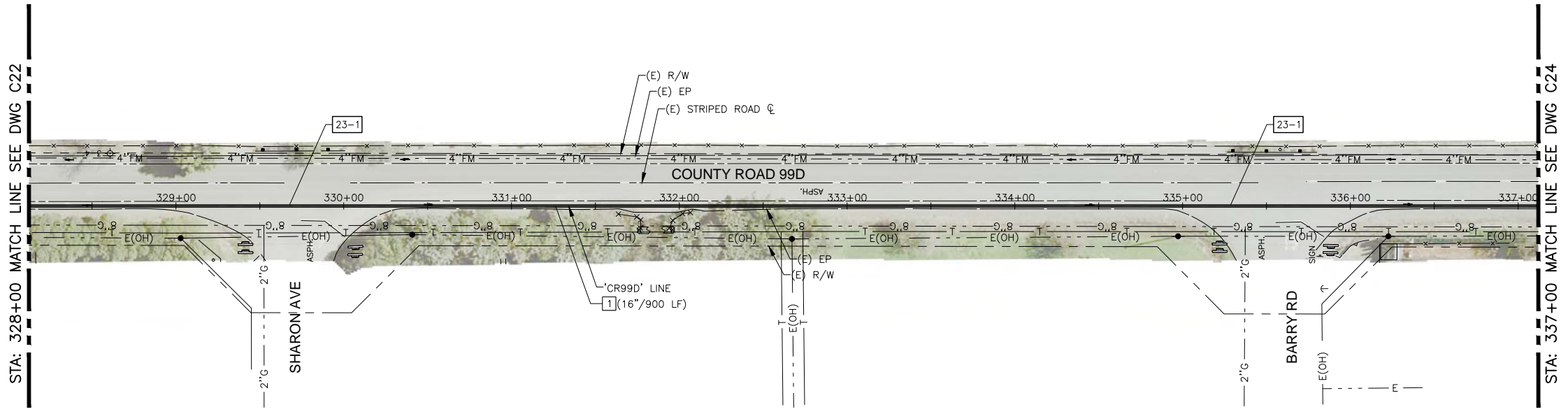


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COUNTY OF YOLO DEPARTMENT OF COMMUNITY SERVICES
IMPROVEMENT PLANS FOR
NORTH DAVIS MEADOWS WATER SYSTEM
CONSOLIDATION PROJECT
COUNTY ROAD 99D
PLAN AND PROFILE 3

SCALE
AS SHOWN
DATE: 1/12/2018
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C22
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33 of 36

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LINE 'CR99D' PROFILE
SCALE: H:1"=40', V:1"=4'

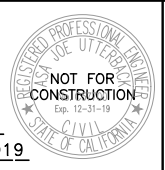
CONSTRUCTION NOTES:
1 INSTALL WATER PIPE (DIAMETER/LENGTH)

SPECIAL CONSTRUCTION NOTES:
PIPE INSTALLATION IS PLANNED TO ALLOW FOR TEMPORARY PARTIAL OR FULL CLOSURE OF ONLY ONE SIDE STREET AT A TIME WHERE IT CONNECTS TO COUNTY ROAD 99D WITH DETOURING OF TRAFFIC TO THE OTHER SIDE STREET FOR UP TO ONE DAY. CONTRACTOR SHALL PREPARE AND SUBMIT TRAFFIC CONTROL AND DETOUR PLANS AND CONFORM TO ALL TRAFFIC CONTROL AND NOTIFICATION REQUIREMENTS IN THESE CONTRACT PLANS AND SPECIFICATIONS FOR ANY LANE/ROAD CLOSURE UNDER THIS ALLOWANCE.

PRE-FINAL SUBMITTAL

DESIGNED	AJU				
DRAWN	JRR				
CHECKED	KLW				
NO.	BY	DATE	REVISION	APP'D	DATE

DESIGN ENGINEER
BY ASA J. UTTERBACK
ENGINEER'S NAME
DATE JANUARY 12, 2018 P.E. C57700
REGISTRATION EXPIRES 12/31/2019

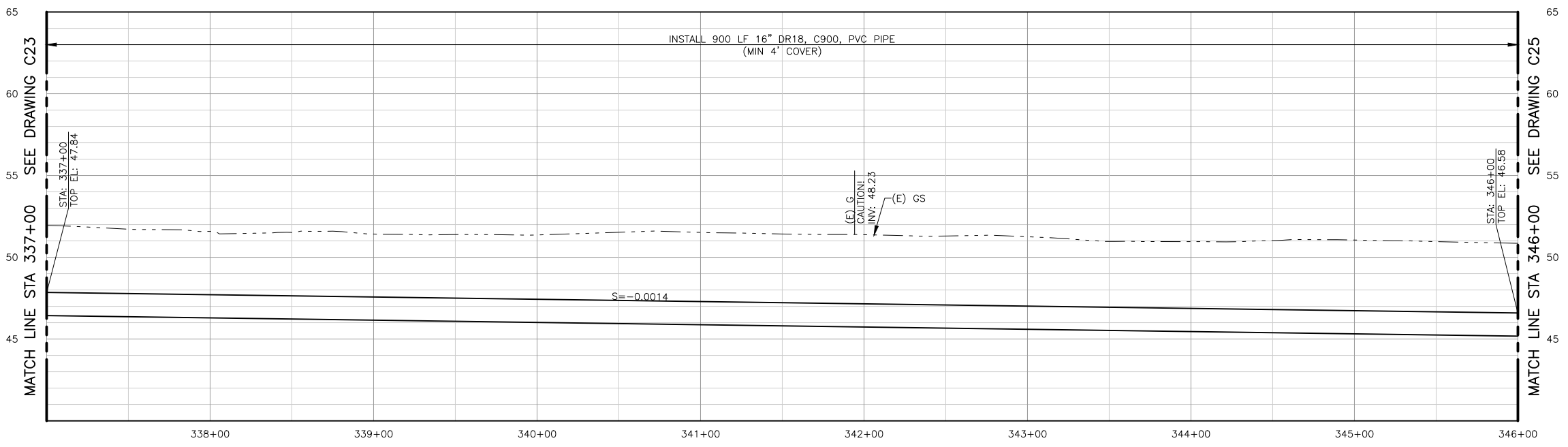
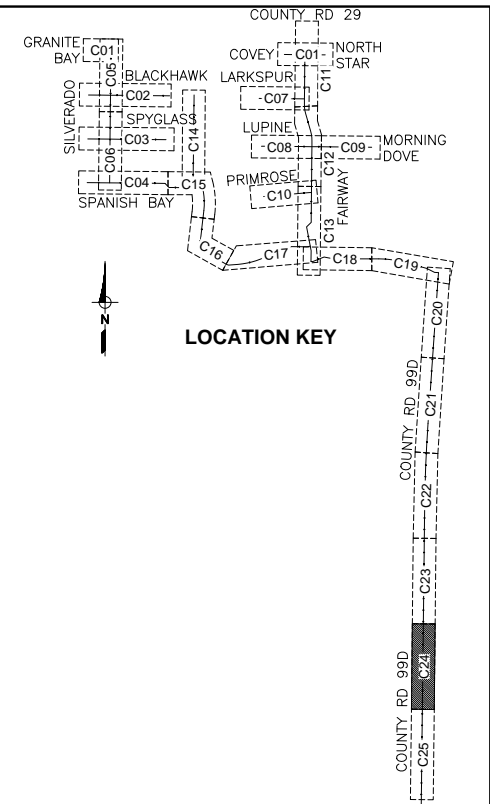
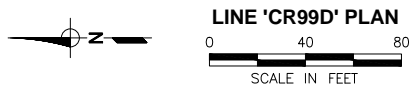
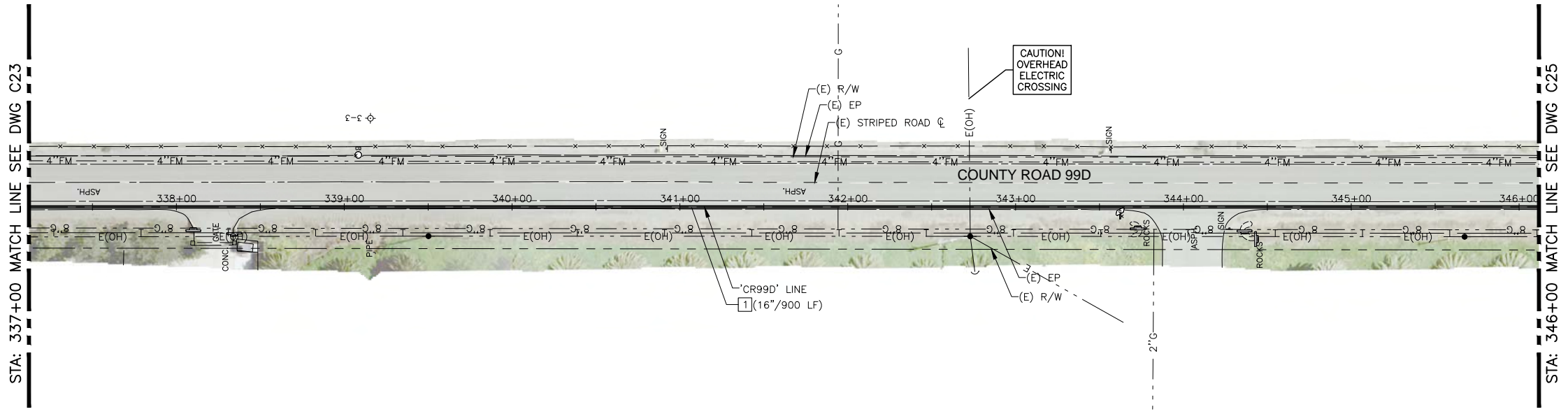


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COUNTY OF YOLO DEPARTMENT OF COMMUNITY SERVICES
IMPROVEMENT PLANS FOR
NORTH DAVIS MEADOWS WATER SYSTEM
CONSOLIDATION PROJECT
COUNTY ROAD 99D
PLAN AND PROFILE 4

SCALE
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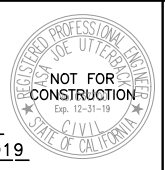
LINE 'CR99D' PROFILE
SCALE: H:1"=40', V:1"=4'

CONSTRUCTION NOTES:
1 INSTALL WATER PIPE (DIAMETER/LENGTH)

PRE-FINAL SUBMITTAL

DESIGNED <u>AJU</u>					
DRAWN <u>JRR</u>					
CHECKED <u>KLW</u>					
	NO.	BY	DATE	REVISION	APP'D DATE

DESIGN ENGINEER
BY ASA J. UTTERBACK
ENGINEER'S NAME
DATE JANUARY 12, 2018 P.E. C57700
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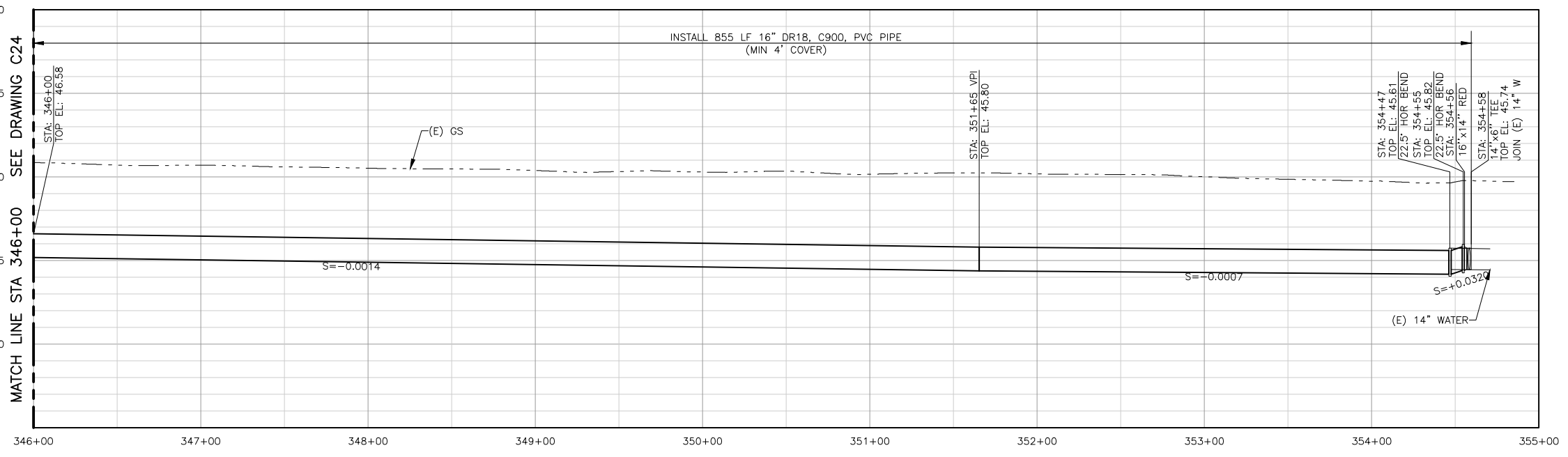
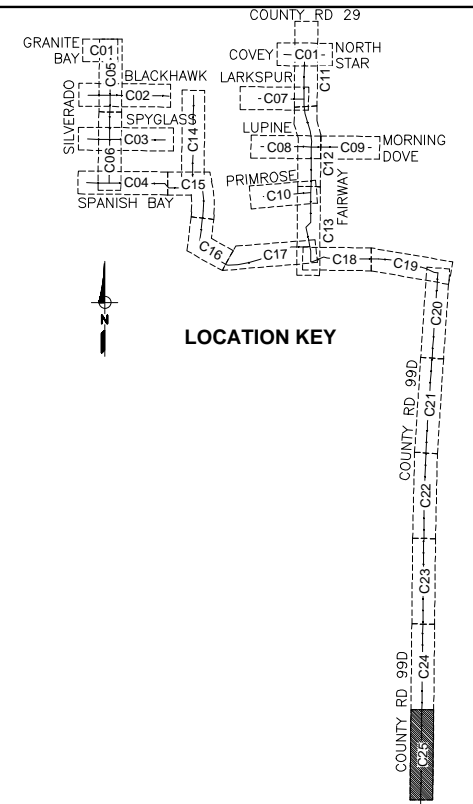
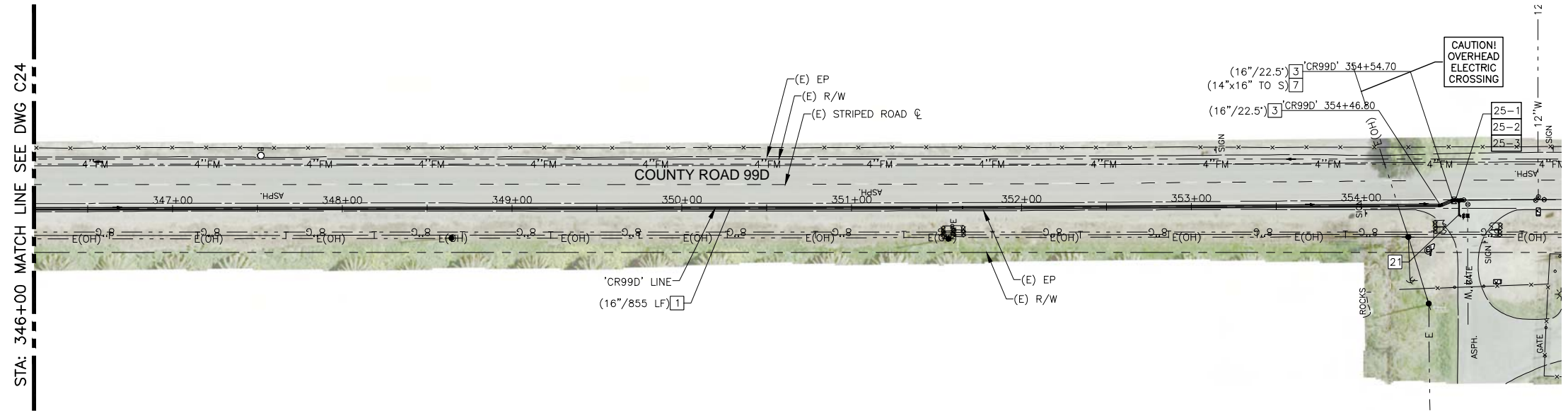


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COUNTY OF YOLO DEPARTMENT OF COMMUNITY SERVICES
IMPROVEMENT PLANS FOR
**NORTH DAVIS MEADOWS WATER SYSTEM
CONSOLIDATION PROJECT**
COUNTY ROAD 99D
PLAN AND PROFILE 5

SCALE
AS SHOWN
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DWG NO
C24
SHEET NO
35 of 36

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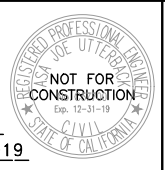


- CONSTRUCTION NOTES:**
- 1 INSTALL WATER PIPE (DIAMETER/LENGTH)
 - 3 INSTALL HORIZONTAL BEND (SIZE/ANGLE)
 - 7 INSTALL REDUCER (SIZE/SIZE)
 - 21 INSTALL 6-INCH BYPASS WITH VALVES AND HOT-TAP PER DETAIL 10/SHT 9
- SPECIAL CONSTRUCTION NOTES:**
- 25-1 REMOVE BLOW-OFF ASSEMBLY AND CONNECT TO EXISTING 14-INCH WATER UNDER CONTINUOUS INSPECTION
 - 25-2 PROVIDE AND INSTALL ADDITIONAL FITTINGS AND PIPING AS NEEDED FOR STAGED FILLING, TESTING, AND CONNECTION. REMOVE ALL TEMPORARY MATERIALS AND MAKE FINAL CONNECTIONS UNDER FULL-TIME INSPECTION
 - 25-3 CONTRACTOR SHALL INSTALL TEMPORARY BACKFLOW-PROTECTED CONNECTION TO CITY SYSTEM TO REMAIN IN PLACE UNTIL ALL PORTIONS OF PIPE SYSTEM WITHIN PROJECT AREA ARE TESTED AND CONNECTED. CONTRACTOR SHALL COORDINATE DISCONNECTION OF EXISTING WELLS TO OCCUR IMMEDIATELY AFTER AND WITHIN SAME WORKING DAY AS FINAL CONNECTION AND REMOVAL OF TEMPORARY BACKFLOW AT THIS TIE-IN.

PRE-FINAL SUBMITTAL

DESIGNED_AJU					
DRAWN_JRR					
CHECKED_KLW					
	NO.	BY	DATE	REVISION	APP'D DATE

DESIGN ENGINEER
 BY ASA J. UTTERBACK
 ENGINEER'S NAME
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 COUNTY ROAD 99D
 PLAN AND PROFILE 6

SCALE
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C25
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