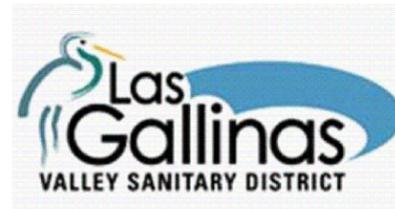


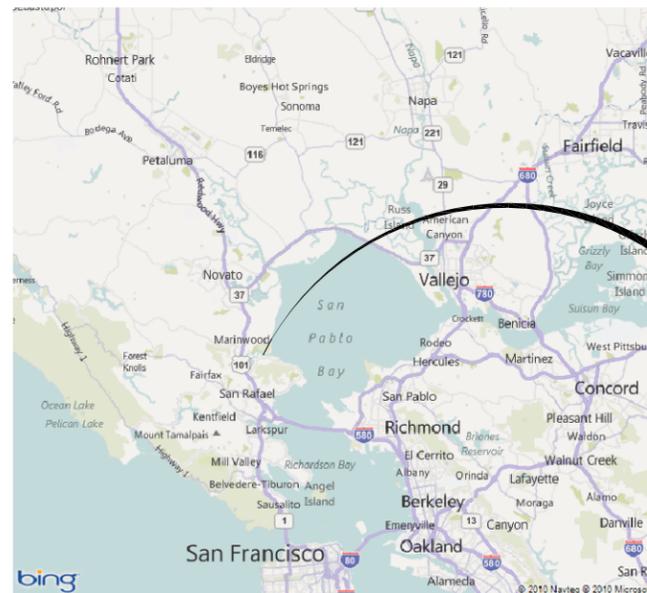
LAS GALLINAS VALLEY SANITARY DISTRICT



PHASE 1: PLANT UTILITIES RELOCATION

BID SET

MAY 2025



AREA VICINITY MAP

PROJECT LOCATION

DESIGN DRAWINGS

- DRAWING INDEX:**
- 01G001: COVER & DRAWING INDEX
 - 01C101: YARD PIPING REMOVAL PLAN
 - 01C201: YARD PIPING RELOCATION PLAN
 - 01C202: YARD PIPING RELOCATION PLAN
 - 01C203: YARD PIPING RELOCATION PLAN
 - 01C501: PIPE PROFILE
 - 01C901: CIVIL DETAILS
 - 01C902: CIVIL DETAILS
 - 01C903: CIVIL DETAILS
 - 01C904: CIVIL DETAILS
 - 01C905: CIVIL DETAILS
 - 00E101: ELECTRICAL DEMOLITION SITE PLAN
 - 00E201: ELECTRICAL SITE PLAN
 - 00E601: CONDUIT DEVELOPMENT
 - 00E901: ELECTRICAL DETAILS 1

- FOR REFERENCE ONLY:**
- G0.11: DISTRICT PROPERTY BOUNDARY
 - C2.00: EXISTING CONDITIONS PLAN
 - A0.00: SITE PLAN
 - S2.00: FOUNDATION PLAN



SITE VICINITY MAP

JOB NO. 24600-01

LAS GALLINAS VALLEY SANITARY DISTRICT
MARIN COUNTY, CALIFORNIA

PHASE 1: PLANT UTILITIES RELOCATION

GENERAL COVER

NO.	DATE	DESCRIPTION	BY	APPR'D	SHEET	PLAN NO.	DRAWING NO.	REVISION NO.
REVISIONS							01G001	0

WBS	CHECKED JRL	DRAWN CAL	SCALE AS SHOWN
---	APPROVED JRL	DESIGNED EES	DATE 05/05/25
DISTRICT ENGINEER Michael P Cortez			
RCE # 54038			



533 W. 2600 S, SUITE 275, BOUNTIFUL, UT 84010
PHONE (801) 299-1327 FAX (801) 299-0153

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES



PLOTTED: EXTEND
 SCALE: 1:1
 BORDER: 22,34
 COLOR: No.
 RED 0.70MM
 YELLOW 0.20MM
 GREEN 0.25MM
 CYAN 0.40MM
 BLUE 0.50MM
 MAGENTA 0.20MM
 WHITE 0.35MM
 GRAY 0.15MM
 9 0.15MM
 10 1.00MM
 100 0.70MM
 210 0.60MM

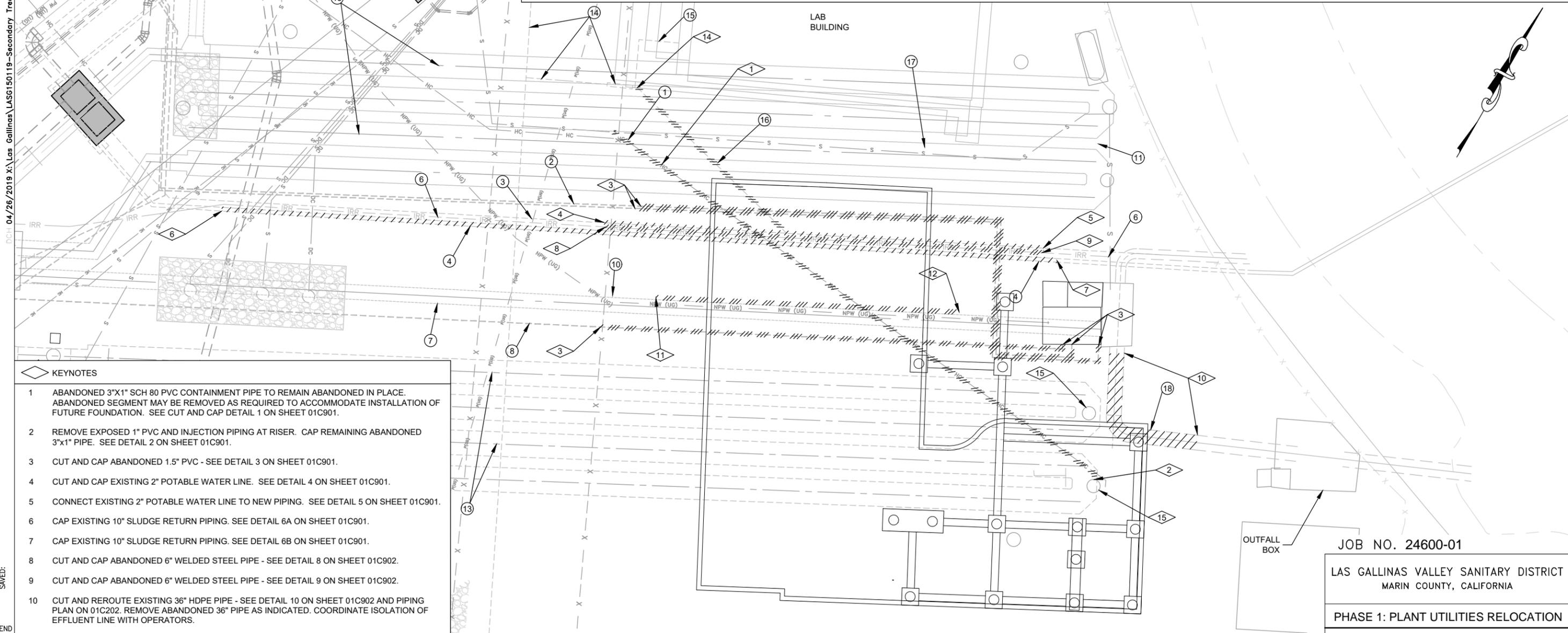
LGVSD 1 FILE:
FD144793

04/26/2019 X:\Las Gallinas\ASG150119-Secondary Treatment Upgrades\Drafting\Civil\C-8 - C-14.dwg

PLOT: EXTEND
SCALE: 1:1
BORDER: 22,34
COLOR: No.
RED 0.70MM
YELLOW 0.20MM
GREEN 0.25MM
CYAN 0.40MM
BLUE 0.50MM
MAGENTA 0.20MM
WHITE 0.35MM
GRAY 0.15MM
9 0.15MM
10 1.00MM
100 0.70MM
210 0.60MM

LGVSD 1 FILE:
FD144793

- PIPE NOTES:
- ABANDONED 3"x1" SCH 80 PVC CONTAINMENT PIPE TO REMAIN ABANDONED IN PLACE. MAY BE REMOVED AS REQUIRED TO ACCOMMODATE INSTALLATION OF FUTURE FOUNDATION. CUT AND CAP AT LOCATIONS INDICATED.
 - ABANDONED 1.5" SCH 80 PVC PIPING TO REMAIN ABANDONED IN PLACE. MAY BE REMOVED AS REQUIRED TO ACCOMMODATE INSTALLATION OF FUTURE FOUNDATION. TYPICAL OF TWO (2) LINES. CUT AND CAP AT LOCATIONS INDICATED.
 - ACTIVE 2" SCH 80 PVC POTABLE WATER TO BE CAPPED AT LOCATION INDICATED. ABANDONED PORTION MAY BE REMOVED AS REQUIRED TO ACCOMMODATE INSTALLATION OF FUTURE FOUNDATION ONCE REROUTING IS COMPLETE.
 - ACTIVE 10" HDPE SDR 21 SLUDGE AND SLUDGE DECANT RETURN LINE TO BE REROUTED. ABANDONED PORTION MAY BE REMOVED AS REQUIRED TO ACCOMMODATE INSTALLATION OF FUTURE FOUNDATION ONCE REROUTING IS COMPLETE.
 - ELECTRICAL UTILITY TO BE REROUTED. MAY BE REMOVED AS REQUIRED TO ACCOMMODATE INSTALLATION OF FUTURE FOUNDATION ONCE REROUTING IS COMPLETE. SEE ELECTRICAL DRAWINGS.
 - ABANDONED 6" WELDED STEEL TO REMAIN ABANDONED IN PLACE. MAY BE REMOVED AS REQUIRED TO ACCOMMODATE INSTALLATION OF FUTURE FOUNDATION. CUT AND PLUG WHERE INDICATED.
 - EXISTING 36" HDPE EFFLUENT LINE TO REMAIN IN SERVICE. PRESERVE AND PROTECT IN PLACE.
 - ABANDONED 1.5" SCH 80 PVC TO REMAIN ABANDONED IN PLACE. MAY BE REMOVED AS REQUIRED TO ACCOMMODATE INSTALLATION OF FUTURE FOUNDATION. CUT AND CAP AT LOCATIONS INDICATED.
 - ELECTRICAL UTILITY TO BE REROUTED. MAY BE REMOVED AS REQUIRED TO ACCOMMODATE INSTALLATION OF FUTURE FOUNDATION ONCE REROUTING IS COMPLETE. SEE ELECTRICAL DRAWINGS.
 - ACTIVE 3" NPW TO BE REROUTED. ABANDONED PORTION MAY BE REMOVED AS REQUIRED TO ACCOMMODATE INSTALLATION OF FUTURE FOUNDATION ONCE REROUTING IS COMPLETE.
 - ACTIVE 3/4" PVC SAMPLE LINE TO REMAIN IN PLACE. PRESERVE AND PROTECT IN PLACE.
 - ELECTRICAL UTILITY TO BE REROUTED. MAY BE REMOVED AS REQUIRED TO ACCOMMODATE INSTALLATION OF FUTURE FOUNDATION ONCE REROUTING IS COMPLETE. SEE ELECTRICAL DRAWINGS.
 - EXISTING 60" HDPE CHLORINE CONTACT CHAMBERS TO REMAIN IN PLACE. PRESERVE AND PROTECT IN PLACE.
 - EXISTING 8" AND 3" POTABLE WATER MAIN WITH ABOVE GROUND ISOLATION AND BACKFLOW PREVENTION VALVE ASSEMBLY TO REMAIN IN SERVICE. PRESERVE AND PROTECT IN PLACE.
 - EXISTING POTABLE WATER SERVICE TO EXISTING LAB BUILDING TO REMAIN IN SERVICE. EXACT LOCATION, ROUTE AND SIZE HAVE NOT BEEN CONFIRMED. CONTRACTOR TO LOCATE AND PRESERVE AND PROTECT IN PLACE.
 - EXISTING 1.5" POTABLE SERVICE TO BE REROUTED. ABANDONED PORTION MAY BE REMOVED AS REQUIRED TO ACCOMMODATE INSTALLATION OF FUTURE FOUNDATION ONCE REROUTING IS COMPLETE.
 - ABANDONED 3/4" PVC SAMPLING LINE IS ABANDONED IN PLACE. MAY BE REMOVED AS REQUIRED TO ACCOMMODATE UTILITY RELOCATION OR NEW FOUNDATION WORK.
 - 36" EFFLUENT PIPE TO BE REMOVED AND REROUTED.



- KEYNOTES
- ABANDONED 3"x1" SCH 80 PVC CONTAINMENT PIPE TO REMAIN ABANDONED IN PLACE. ABANDONED SEGMENT MAY BE REMOVED AS REQUIRED TO ACCOMMODATE INSTALLATION OF FUTURE FOUNDATION. SEE CUT AND CAP DETAIL 1 ON SHEET 01C901.
 - REMOVE EXPOSED 1" PVC AND INJECTION PIPING AT RISER. CAP REMAINING ABANDONED 3"x1" PIPE. SEE DETAIL 2 ON SHEET 01C901.
 - CUT AND CAP ABANDONED 1.5" PVC - SEE DETAIL 3 ON SHEET 01C901.
 - CUT AND CAP EXISTING 2" POTABLE WATER LINE. SEE DETAIL 4 ON SHEET 01C901.
 - CONNECT EXISTING 2" POTABLE WATER LINE TO NEW PIPING. SEE DETAIL 5 ON SHEET 01C901.
 - CAP EXISTING 10" SLUDGE RETURN PIPING. SEE DETAIL 6A ON SHEET 01C901.
 - CAP EXISTING 10" SLUDGE RETURN PIPING. SEE DETAIL 6B ON SHEET 01C901.
 - CUT AND CAP ABANDONED 6" WELDED STEEL PIPE - SEE DETAIL 8 ON SHEET 01C902.
 - CUT AND CAP ABANDONED 6" WELDED STEEL PIPE - SEE DETAIL 9 ON SHEET 01C902.
 - CUT AND REROUTE EXISTING 36" HDPE PIPE - SEE DETAIL 10 ON SHEET 01C902 AND PIPING PLAN ON 01C202. REMOVE ABANDONED 36" PIPE AS INDICATED. COORDINATE ISOLATION OF EFFLUENT LINE WITH OPERATORS.
 - CONNECT EXISTING 3" NON-POTABLE WATER LINE TO NEW PIPING. SEE DETAIL 11 ON SHEET 01C903.
 - CONNECT EXISTING 3" NON-POTABLE WATER LINE TO NEW PIPING. SEE DETAIL 12 ON SHEET 01C903.
 - CUT AND REROUTE EXISTING 1.5" POTABLE WATER LINE TO NEW PIPING. NEW PIPING SHALL BE 2" DIAMETER. SEE DETAIL 15 ON SHEET 01C903.
 - EXISTING 30" HDPE RISER TO BE REROUTED. SEE DETAIL 17 ON SHEET 01C904.

YARD PIPING REMOVAL PLAN
SCALE: 1"=10'-0"
0 10 20
Scale in Feet



NO.		DATE	DESCRIPTION	BY	APPR'D	SHEET	PLAN NO.	DRAWING NO.	REVISION NO.
			REVISIONS					01C101	0

JOB NO. 24600-01
LAS GALLINAS VALLEY SANITARY DISTRICT
MARIN COUNTY, CALIFORNIA

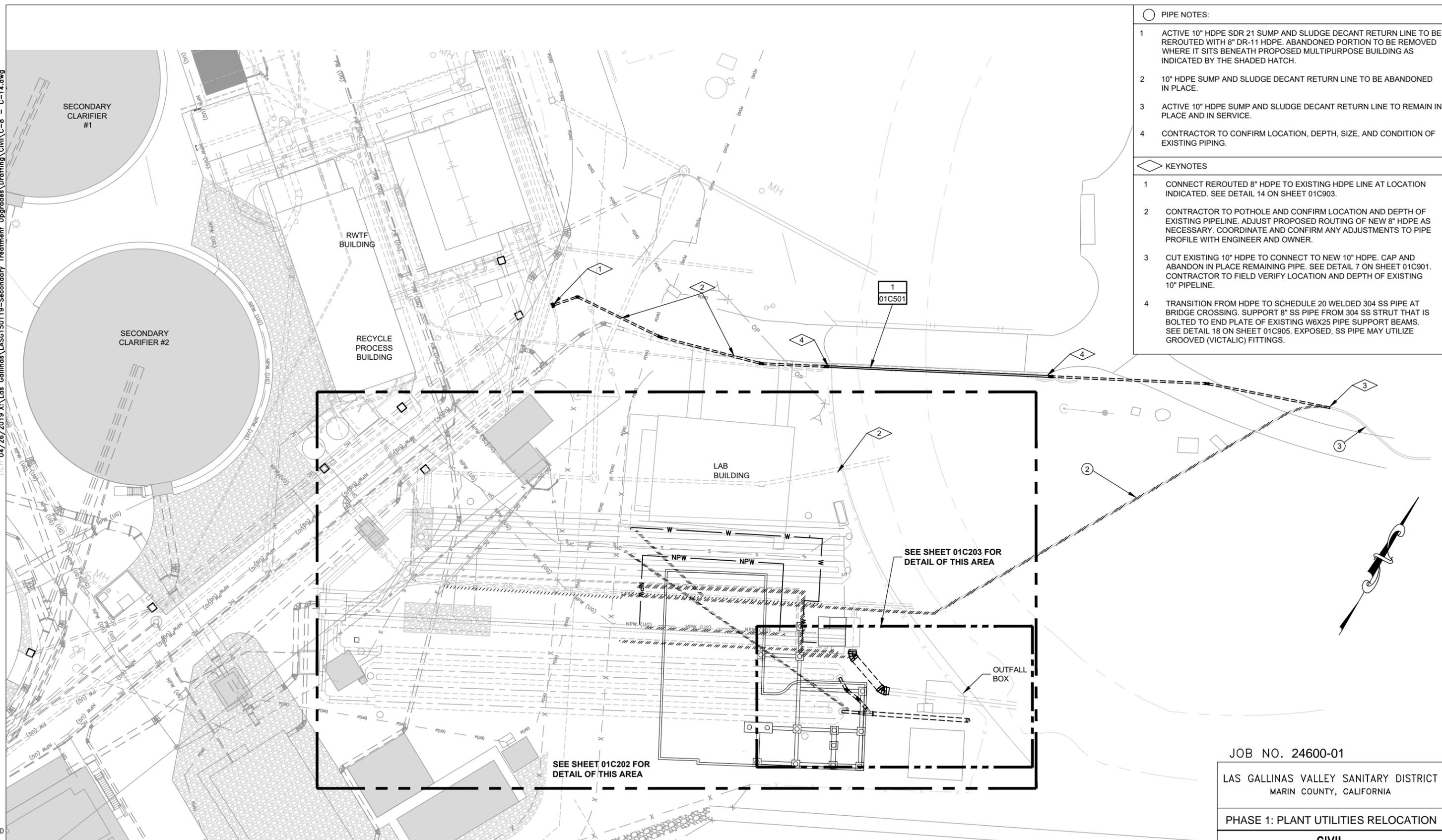
PHASE 1: PLANT UTILITIES RELOCATION
**CIVIL
YARD PIPING REMOVAL PLAN**

WBS	CHECKED JRL	DRAWN DCH	SCALE AS SHOWN
	APPROVED JRL	DESIGNED EES	DATE 05/05/25
		DISTRICT ENGINEER Michael P Cortez	
		RCE # 54039	

DCH 04/26/2019 X:\Las Gallinas\ASGI50119-Secondary Treatment Upgrades\Drafting\Civil\C-8 - C-14.dwg

PLOTTED: EXTEND
SCALE: 1:1
BORDER: 22,34

COLOR: No.
RED 0.70MM
YELLOW 0.20MM
GREEN 0.25MM
CYAN 0.40MM
BLUE 0.50MM
MAGENTA 0.20MM
WHITE 0.35MM
GRAY 0.15MM
9 0.15MM
10 1.00MM
100 0.70MM
210 0.60MM



- PIPE NOTES:**
- ACTIVE 10" HDPE SDR 21 SUMP AND SLUDGE DECANT RETURN LINE TO BE REROUTED WITH 8" DR-11 HDPE. ABANDONED PORTION TO BE REMOVED WHERE IT SITS BENEATH PROPOSED MULTIPURPOSE BUILDING AS INDICATED BY THE SHADED HATCH.
 - 10" HDPE SUMP AND SLUDGE DECANT RETURN LINE TO BE ABANDONED IN PLACE.
 - ACTIVE 10" HDPE SUMP AND SLUDGE DECANT RETURN LINE TO REMAIN IN PLACE AND IN SERVICE.
 - CONTRACTOR TO CONFIRM LOCATION, DEPTH, SIZE, AND CONDITION OF EXISTING PIPING.

- KEYNOTES**
- CONNECT REROUTED 8" HDPE TO EXISTING HDPE LINE AT LOCATION INDICATED. SEE DETAIL 14 ON SHEET 01C903.
 - CONTRACTOR TO POTHOLE AND CONFIRM LOCATION AND DEPTH OF EXISTING PIPELINE. ADJUST PROPOSED ROUTING OF NEW 8" HDPE AS NECESSARY. COORDINATE AND CONFIRM ANY ADJUSTMENTS TO PIPE PROFILE WITH ENGINEER AND OWNER.
 - CUT EXISTING 10" HDPE TO CONNECT TO NEW 10" HDPE. CAP AND ABANDON IN PLACE REMAINING PIPE. SEE DETAIL 7 ON SHEET 01C901. CONTRACTOR TO FIELD VERIFY LOCATION AND DEPTH OF EXISTING 10" PIPELINE.
 - TRANSITION FROM HDPE TO SCHEDULE 20 WELDED 304 SS PIPE AT BRIDGE CROSSING. SUPPORT 8" SS PIPE FROM 304 SS STRUT THAT IS BOLTED TO END PLATE OF EXISTING W6X25 PIPE SUPPORT BEAMS. SEE DETAIL 18 ON SHEET 01C905. EXPOSED, SS PIPE MAY UTILIZE GROOVED (VICTALIC) FITTINGS.

YARD PIPING RELOCATION PLAN

SCALE: 1"=20'-0"
0 20 40
Scale in Feet



533 W 2600 S, SUITE 275, BOUNTIFUL, UT 84010
PHONE (801) 299-1327 FAX (801) 299-0153

JOB NO. 24600-01

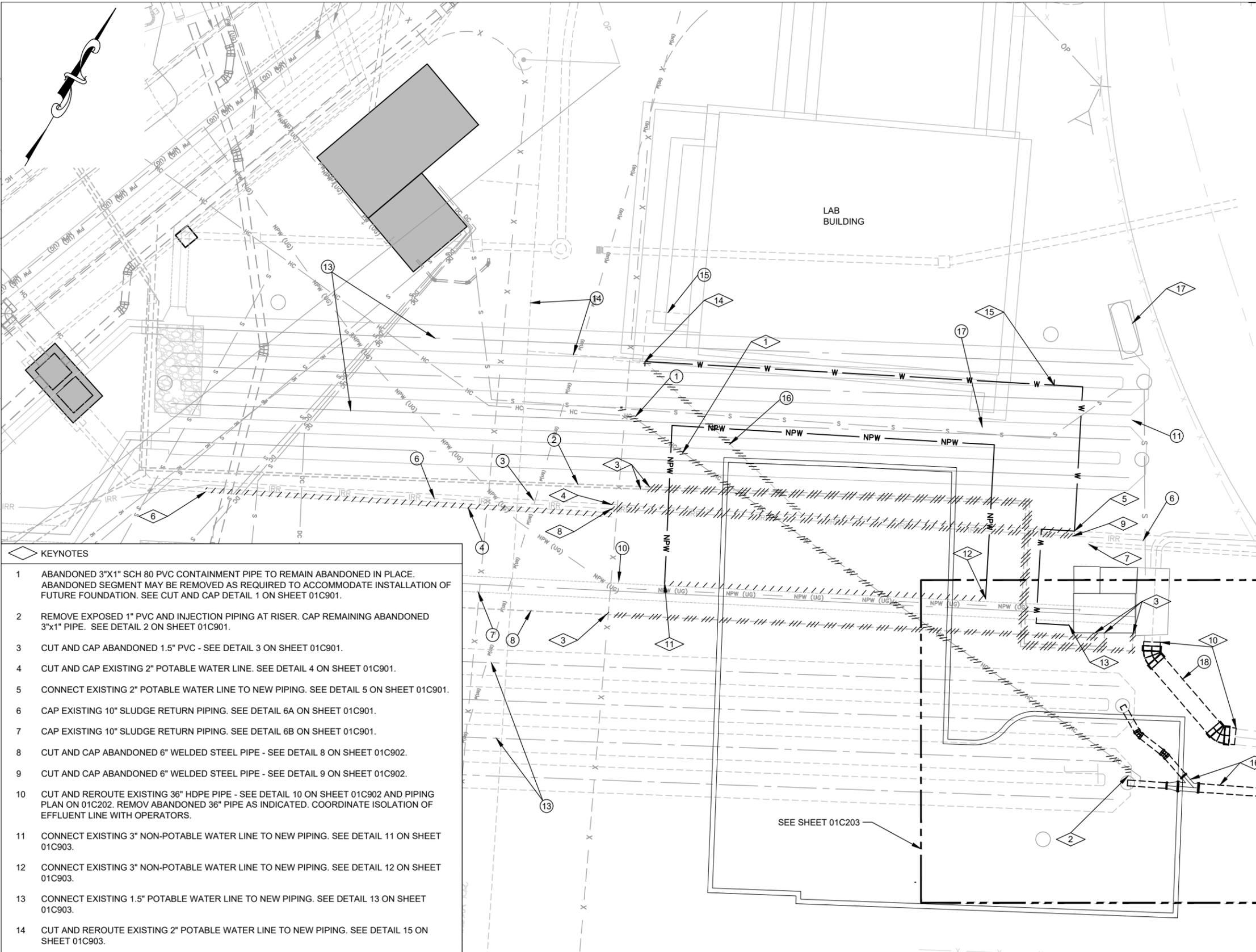
LAS GALLINAS VALLEY SANITARY DISTRICT
MARIN COUNTY, CALIFORNIA

PHASE 1: PLANT UTILITIES RELOCATION

**CIVIL
YARD PIPING RELOCATION PLAN**

WBS		CHECKED JRL	DRAWN DCH	SCALE AS SHOWN
-		APPROVED JRL	DESIGNED EES	DATE 05/05/25
		DISTRICT ENGINEER Michael P Cortez		
		RCE # 54039		
NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				
			DRAWING NO.	REVISION NO.
			01C201	0

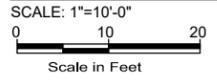
DCH 04/26/2019 X:\Las Gallinas\ASGI50119-Secondary Treatment Upgrades\Drafting\Civil\C-8 - C-14.dwg



- PIPE NOTES:
- 1 ABANDONED 3"x1" SCH 80 PVC CONTAINMENT PIPE TO REMAIN ABANDONED IN PLACE. MAY BE REMOVED AS REQUIRED TO ACCOMMODATE INSTALLATION OF FUTURE FOUNDATION. CUT AND CAP AT LOCATIONS INDICATED.
 - 2 ABANDONED 1.5" SCH 80 PVC PIPING TO REMAIN ABANDONED IN PLACE. MAY BE REMOVED AS REQUIRED TO ACCOMMODATE INSTALLATION OF FUTURE FOUNDATION. TYPICAL OF TWO (2) LINES. CUT AND CAP AT LOCATIONS INDICATED.
 - 3 ACTIVE 2" SCH 80 PVC POTABLE WATER TO BE REROUTED. ABANDONED PORTION MAY BE REMOVED AS REQUIRED TO ACCOMMODATE INSTALLATION OF FUTURE FOUNDATION ONCE REROUTING IS COMPLETE.
 - 4 ACTIVE 10" HDPE SDR 21 SLUDGE AND SLUDGE DECANT RETURN LINE TO BE REROUTED. ABANDONED PORTION MAY BE REMOVED AS REQUIRED TO ACCOMMODATE INSTALLATION OF FUTURE FOUNDATION ONCE REROUTING IS COMPLETE.
 - 5 ELECTRICAL UTILITY TO BE REROUTED. MAY BE REMOVED AS REQUIRED TO ACCOMMODATE INSTALLATION OF FUTURE FOUNDATION ONCE REROUTING IS COMPLETE. SEE ELECTRICAL DRAWINGS.
 - 6 ABANDONED 6" WELDED STEEL TO REMAIN ABANDONED IN PLACE. MAY BE REMOVED AS REQUIRED TO ACCOMMODATE INSTALLATION OF FUTURE FOUNDATION. CUT AND PLUG WHERE INDICATED.
 - 7 EXISTING 36" HDPE EFFLUENT LINE TO REMAIN IN SERVICE. PRESERVE AND PROTECT IN PLACE.
 - 8 ABANDONED 1.5" SCH 80 PVC TO REMAIN ABANDONED IN PLACE. MAY BE REMOVED AS REQUIRED TO ACCOMMODATE INSTALLATION OF FUTURE FOUNDATION. CUT AND CAP AT LOCATIONS INDICATED.
 - 9 ELECTRICAL UTILITY TO BE REROUTED. MAY BE REMOVED AS REQUIRED TO ACCOMMODATE INSTALLATION OF FUTURE FOUNDATION ONCE REROUTING IS COMPLETE. SEE ELECTRICAL DRAWINGS.
 - 10 ACTIVE 3" NPW TO BE REROUTED. ABANDONED PORTION MAY BE REMOVED AS REQUIRED TO ACCOMMODATE INSTALLATION OF FUTURE FOUNDATION ONCE REROUTING IS COMPLETE.
 - 11 ACTIVE 3/4" PVC SAMPLE LINE TO REMAIN IN PLACE. PRESERVE AND PROTECT IN PLACE.
 - 12 ELECTRICAL UTILITY TO BE REROUTED. MAY BE REMOVED AS REQUIRED TO ACCOMMODATE INSTALLATION OF FUTURE FOUNDATION ONCE REROUTING IS COMPLETE. SEE ELECTRICAL DRAWINGS.
 - 13 EXISTING 60" HDPE CHLORINE CONTACT CHAMBERS TO REMAIN IN PLACE. PRESERVE AND PROTECT IN PLACE.
 - 14 EXISTING 8" AND 3" POTABLE WATER MAIN WITH ABOVE GROUND ISOLATION AND BACKFLOW PREVENTION VALVE ASSEMBLY TO REMAIN IN SERVICE. PRESERVE AND PROTECT IN PLACE.
 - 15 EXISTING POTABLE WATER SERVICE TO EXISTING LAB BUILDING TO REMAIN IN SERVICE. EXACT LOCATION, ROUTE AND SIZE HAVE NOT BEEN CONFIRMED. CONTRACTOR TO LOCATE AND PRESERVE AND PROTECT IN PLACE.
 - 16 EXISTING 1.5" POTABLE SERVICE TO BE REROUTED. ABANDONED PORTION MAY BE REMOVED AS REQUIRED TO ACCOMMODATE INSTALLATION OF FUTURE FOUNDATION ONCE REROUTING IS COMPLETE.
 - 17 ABANDONED 3/4" PVC SAMPLING LINE IS ABANDONED IN PLACE. MAY BE REMOVED AS REQUIRED TO ACCOMMODATE UTILITY RELOCATION OR NEW FOUNDATION WORK.
 - 18 36" EFFLUENT PIPE TO BE REMOVED AND REROUTED.

- KEYNOTES
- 1 ABANDONED 3"x1" SCH 80 PVC CONTAINMENT PIPE TO REMAIN ABANDONED IN PLACE. ABANDONED SEGMENT MAY BE REMOVED AS REQUIRED TO ACCOMMODATE INSTALLATION OF FUTURE FOUNDATION. SEE CUT AND CAP DETAIL 1 ON SHEET 01C901.
 - 2 REMOVE EXPOSED 1" PVC AND INJECTION PIPING AT RISER. CAP REMAINING ABANDONED 3"x1" PIPE. SEE DETAIL 2 ON SHEET 01C901.
 - 3 CUT AND CAP ABANDONED 1.5" PVC - SEE DETAIL 3 ON SHEET 01C901.
 - 4 CUT AND CAP EXISTING 2" POTABLE WATER LINE. SEE DETAIL 4 ON SHEET 01C901.
 - 5 CONNECT EXISTING 2" POTABLE WATER LINE TO NEW PIPING. SEE DETAIL 5 ON SHEET 01C901.
 - 6 CAP EXISTING 10" SLUDGE RETURN PIPING. SEE DETAIL 6A ON SHEET 01C901.
 - 7 CAP EXISTING 10" SLUDGE RETURN PIPING. SEE DETAIL 6B ON SHEET 01C901.
 - 8 CUT AND CAP ABANDONED 6" WELDED STEEL PIPE - SEE DETAIL 8 ON SHEET 01C902.
 - 9 CUT AND CAP ABANDONED 6" WELDED STEEL PIPE - SEE DETAIL 9 ON SHEET 01C902.
 - 10 CUT AND REROUTE EXISTING 36" HDPE PIPE - SEE DETAIL 10 ON SHEET 01C902 AND PIPING PLAN ON 01C202. REMOVE ABANDONED 36" PIPE AS INDICATED. COORDINATE ISOLATION OF EFFLUENT LINE WITH OPERATORS.
 - 11 CONNECT EXISTING 3" NON-POTABLE WATER LINE TO NEW PIPING. SEE DETAIL 11 ON SHEET 01C903.
 - 12 CONNECT EXISTING 3" NON-POTABLE WATER LINE TO NEW PIPING. SEE DETAIL 12 ON SHEET 01C903.
 - 13 CONNECT EXISTING 1.5" POTABLE WATER LINE TO NEW PIPING. SEE DETAIL 13 ON SHEET 01C903.
 - 14 CUT AND REROUTE EXISTING 2" POTABLE WATER LINE TO NEW PIPING. SEE DETAIL 15 ON SHEET 01C903.
 - 15 FURNISH 2"x1" HDPE REDUCING TEE WITH 1" CAP ON 2" POTABLE WATER MAIN. SEE DETAIL 16 ON SHEET 01C903.
 - 16 SEE ENLARGED PLAN ON SHEET 01C203
 - 17 PRESERVE AND PROTECT EXISTING PROPANE TANK THAT IS TO REMAIN IN SERVICE.

YARD PIPING RELOCATION PLAN



533 W 2600 S, SUITE 275, BOUNTIFUL, UT 84010
PHONE (801) 299-1327 FAX (801) 299-0153

JOB NO. 24600-01
LAS GALLINAS VALLEY SANITARY DISTRICT
MARIN COUNTY, CALIFORNIA

PHASE 1: PLANT UTILITIES RELOCATION

CIVIL YARD PIPING RELOCATION PLAN

CHECKED JRL	DRAWN DCH	SCALE AS SHOWN
APPROVED JRL	DESIGNED EES	DATE 05/05/25
DISTRICT ENGINEER Michael P Cortez		
RCE # 54039		

NO.	DATE	DESCRIPTION	BY	APPR'D	SHEET	PLAN NO.	DRAWING NO.	REVISION NO.
REVISIONS								
							01C202	0

PLOT: EXTEND
SCALE: 1:1
BORDER: 22,34

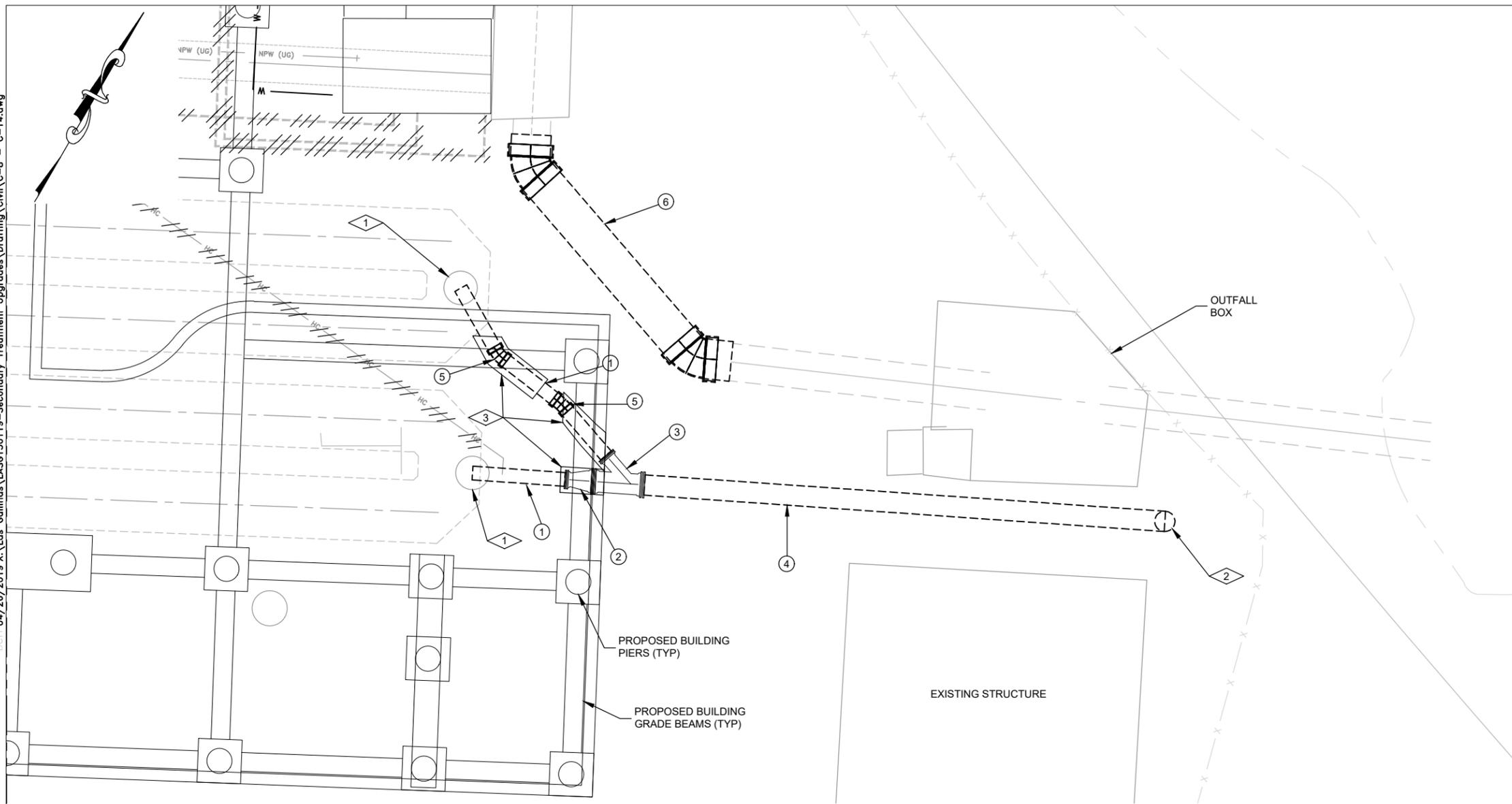
COLOR: No.
RED 0.70MM
YELLOW 0.20MM
GREEN 0.25MM
CYAN 0.40MM
BLUE 0.50MM
MAGENTA 0.20MM
WHITE 0.35MM
GRAY 0.15MM
9 0.15MM
10 1.00MM
100 0.70MM
210 0.60MM

LGVSD 1 FILE:
FD144793

DCH 04/26/2019 X:\Las Gallinas\ASG150119-Secondary Treatment Upgrades\Drafting\Civil\C-8 - C-14.dwg

PLOTTED: 5/1/25

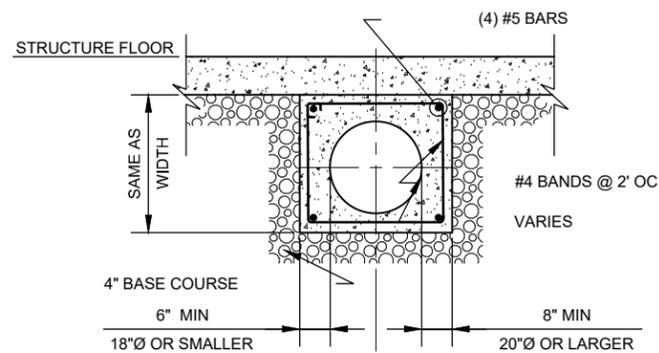
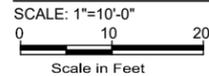
PLOT: EXTEND
 SCALE: 1:1
 BORDER: 22,34
 COLOR: No.
 RED 0.70MM
 YELLOW 0.20MM
 GREEN 0.25MM
 CYAN 0.40MM
 BLUE 0.50MM
 MAGENTA 0.20MM
 WHITE 0.35MM
 GRAY 0.15MM
 9 0.15MM
 10 1.00MM
 100 0.70MM
 210 0.60MM



PIPE NOTES:	
1	12" DR 17 HDPE (VENT).
2	12"x18" HDPE CONCENTRIC REDUCER (VENT).
3	12"x18" HDPE REDUCING WYE (VENT).
4	18" DR-17 HDPE (VENT).
5	12" HDPE BENDS AS REQUIRED TO AVOID CONFLICT WITH FUTURE FOUNDATION STRUCTURE.
6	36" HDPE - RELOCATED OUTFALL PIPING. SEE SHEET 01C202.

KEYNOTES	
1	CUT EXISTING 30" HDPE RISER AND REROUTE PER PLAN. SEE DETAILS 17A AND 17B ON SHEET 01C904.
2	18" DR-17 HDPE VENT RISER. SEE DETAIL 18 ON SHEET 01C904.
3	CONCRETE ENCASE PIPE. EXTEND 12" BEYOND EDGE OF FUTURE GRADE BEAM. SEE DETAIL C111 ON THIS SHEET.

YARD PIPING RELOCATION PLAN



NOTE:

TOP OF ENCASEMENT IS NOT REQUIRED TO EXTEND TO STRUCTURE UNLESS IT IS WITHIN 6" OF BOTTOM OF STRUCTURE CONCRETE.

CONCRETE ENCASEMENT

SCALE: NTS



JOB NO. 24600-01

LAS GALLINAS VALLEY SANITARY DISTRICT
MARIN COUNTY, CALIFORNIA

PHASE 1: PLANT UTILITIES RELOCATION

CIVIL YARD PIPING RELOCATION PLAN

WBS		CHECKED JRL	DRAWN DCH	SCALE AS SHOWN					
APPROVED JRL		DESIGNED EES	DISTRICT ENGINEER Michael P Cortez	DATE 05/05/25					
NO.		DATE	DESCRIPTION	BY	APPR'D	SHEET	PLAN NO.	DRAWING NO.	REVISION NO.
			REVISIONS					01C203	0



533 W 2600 S, SUITE 275, BOUNTIFUL, UT 84010
PHONE (801) 299-1327 FAX (801) 299-0153

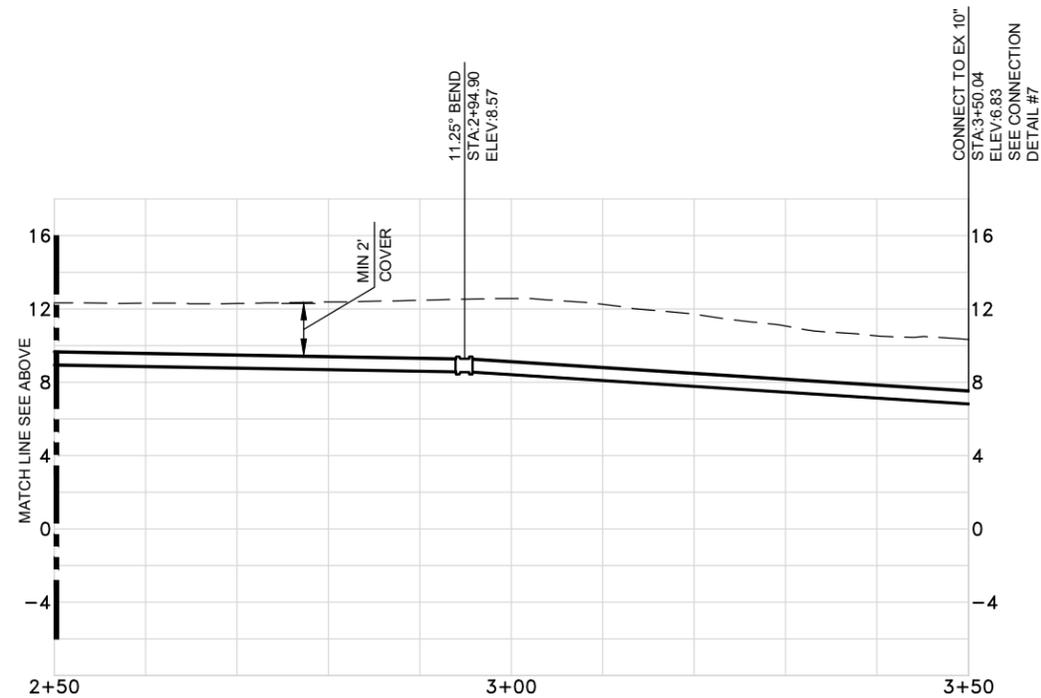
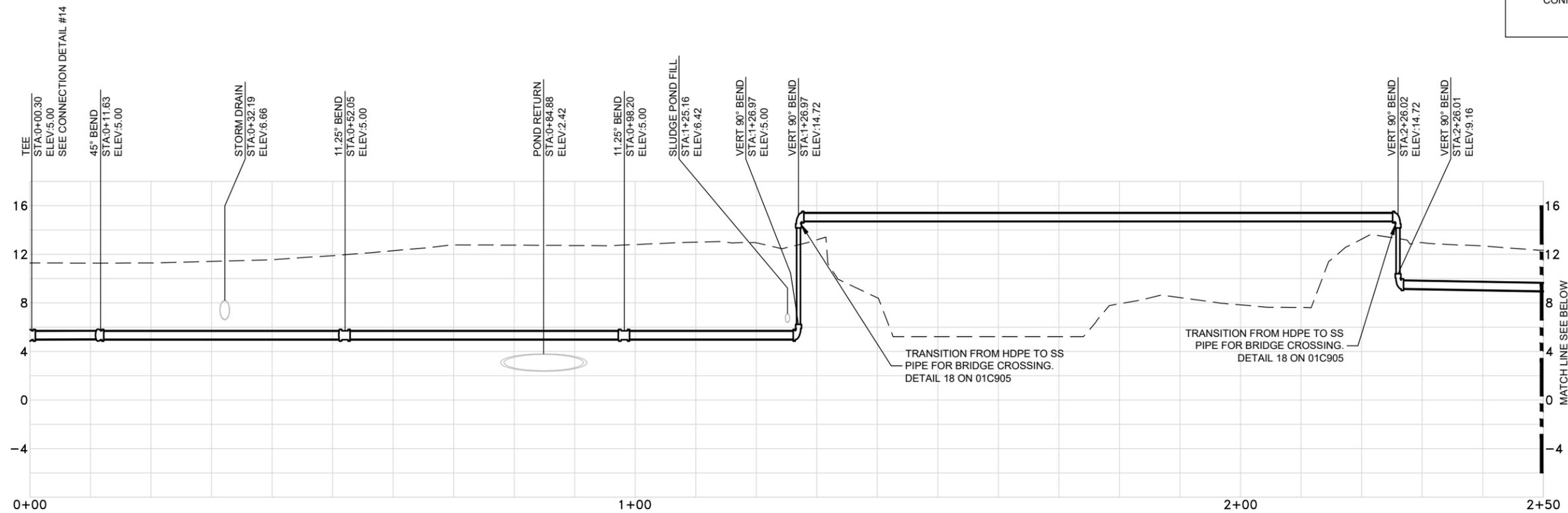


PLOTTED:
SAVED:

PLOT: EXTEND
SCALE: 1:1
BORDER: 22,34
COLOR: No.
RED 0.70MM
YELLOW 0.20MM
GREEN 0.25MM
CYAN 0.40MM
BLUE 0.50MM
MAGENTA 0.20MM
WHITE 0.35MM
GRAY 0.15MM
9 0.15MM
10 1.00MM
100 0.70MM
210 0.60MM

LGVSD 1 FILE:
FD144793

NOTES:
1 CONTRACTOR TO CONFIRM LOCATION AND DEPTH OF EXISTING PIPING AND CONFIRM LOCATIONS FOR CONNECTING REROUTED PIPE TO EXISTING PIPE.



1 **8" SLUDGE DECANT RETURN (PIPE #73B)**
01C201 HORIZ SCALE: 1"=10'-0"; VERT SCALE: 1"=5'-0"



533 W 2600 S, SUITE 275, BOUNTIFUL, UT 84010
PHONE (801) 299-1327 FAX (801) 299-0153

JOB NO. 24600-01

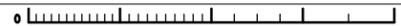
LAS GALLINAS VALLEY SANITARY DISTRICT
MARIN COUNTY, CALIFORNIA

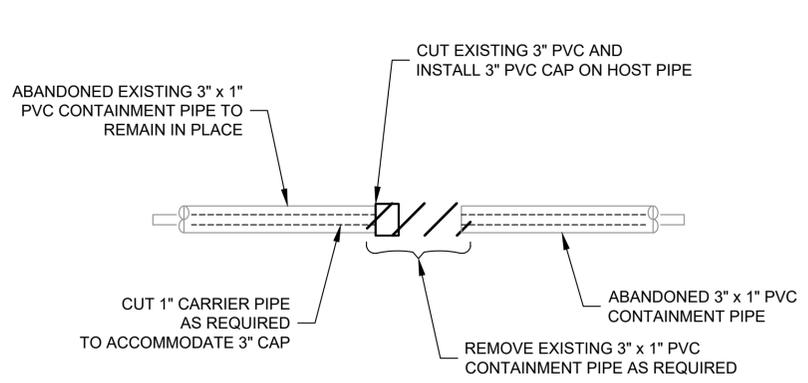
PHASE 1: PLANT UTILITIES RELOCATION

**CIVIL
PIPE PROFILE**

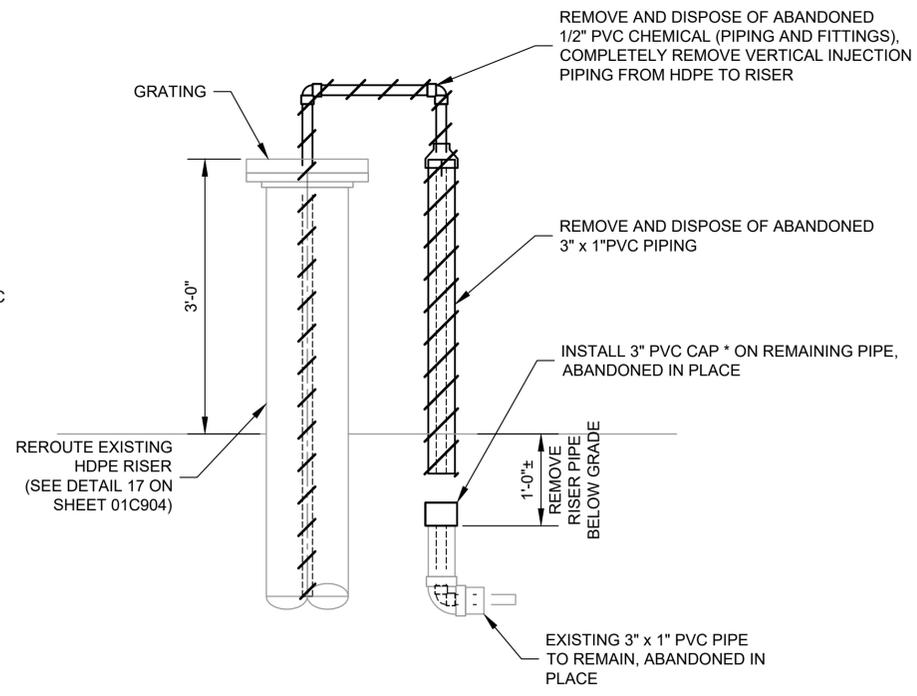
CHECKED JRL		DRAWN DCH		SCALE AS SHOWN
APPROVED JRL		DESIGNED EES		DATE 05/05/25
DISTRICT ENGINEER Michael P Cortez				
RCE # 54039				
NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				
SHEET			PLAN NO.	DRAWING NO. 01C501
				REVISION NO. 0

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES



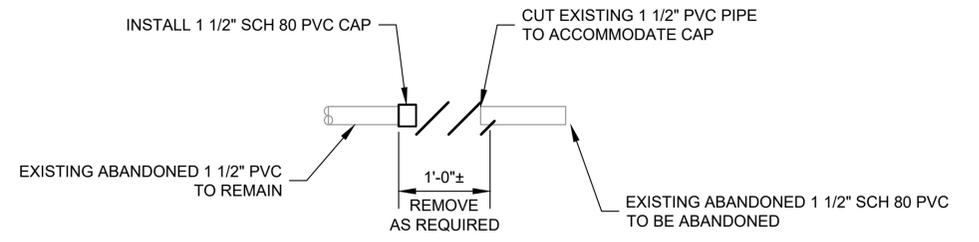


1 PIPE CONNECTION
NTS

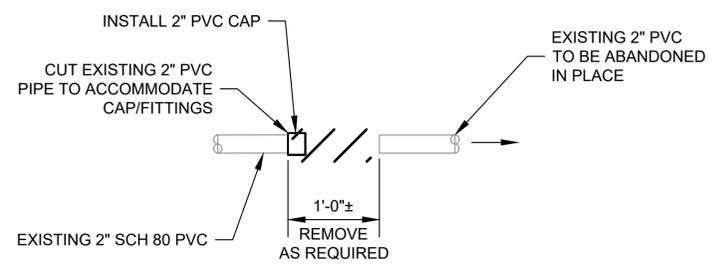


NOTE:
* CONTAINMENT PIPING MAY BE 2" x 1/2" OR 3" x 1", FIELD VERIFY SIZE TO CONFIRM SIZE OF CAP.

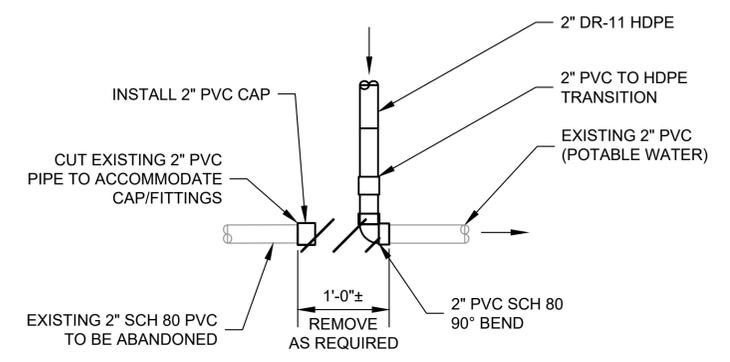
2 PIPE CONNECTION
NTS



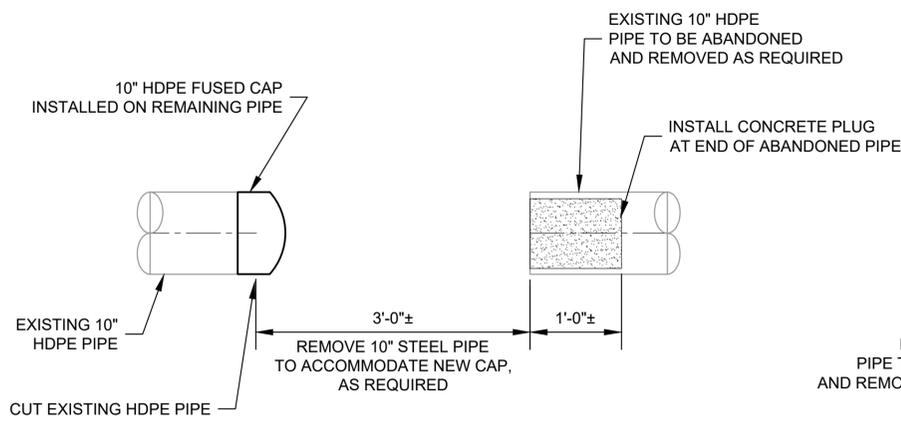
3 PIPE CONNECTION
NTS



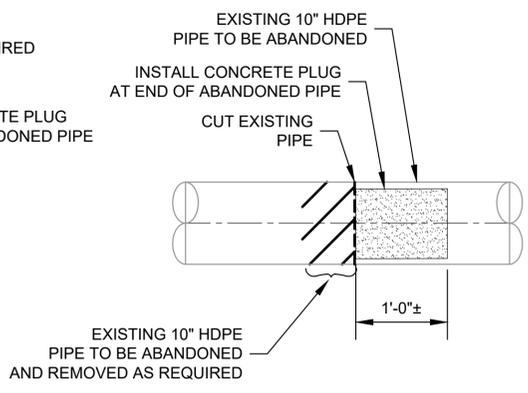
4 PIPE CONNECTION
NTS



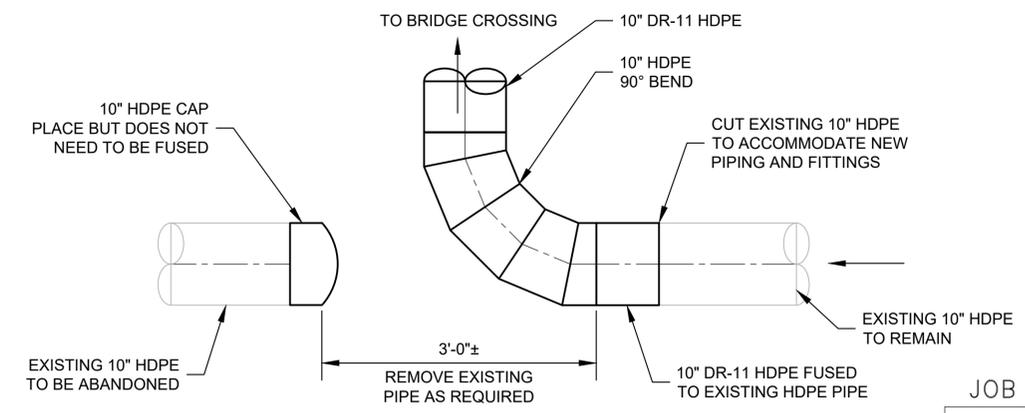
5 PIPE CONNECTION
NTS



6A PIPE CONNECTION
NTS



6B PIPE CONNECTION
NTS



7 PIPE CONNECTION
NTS

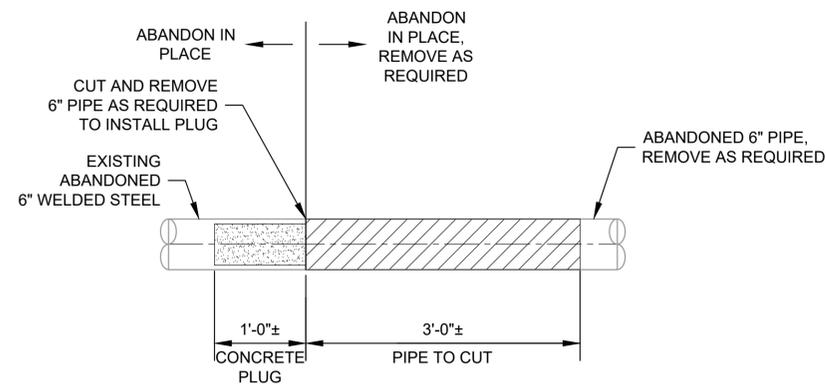
PLOTTED: EXTEND
SCALE: 1:1
BORDER: 22,34
COLOR: No.
RED 0.70MM
YELLOW 0.20MM
GREEN 0.25MM
CYAN 0.40MM
BLUE 0.50MM
MAGENTA 0.20MM
WHITE 0.35MM
GRAY 0.15MM
9 0.15MM
10 1.00MM
100 0.70MM
210 0.60MM

LGVSD 1 FILE:
FD144793

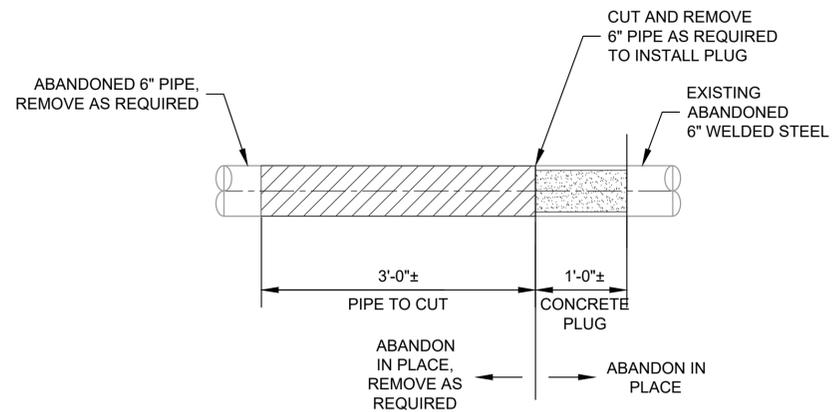
AQUA
ENGINEERING
533 W 2600 S, SUITE 275, BOUNTIFUL, UT 84010
PHONE (801) 299-1327 FAX (801) 299-0153

NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

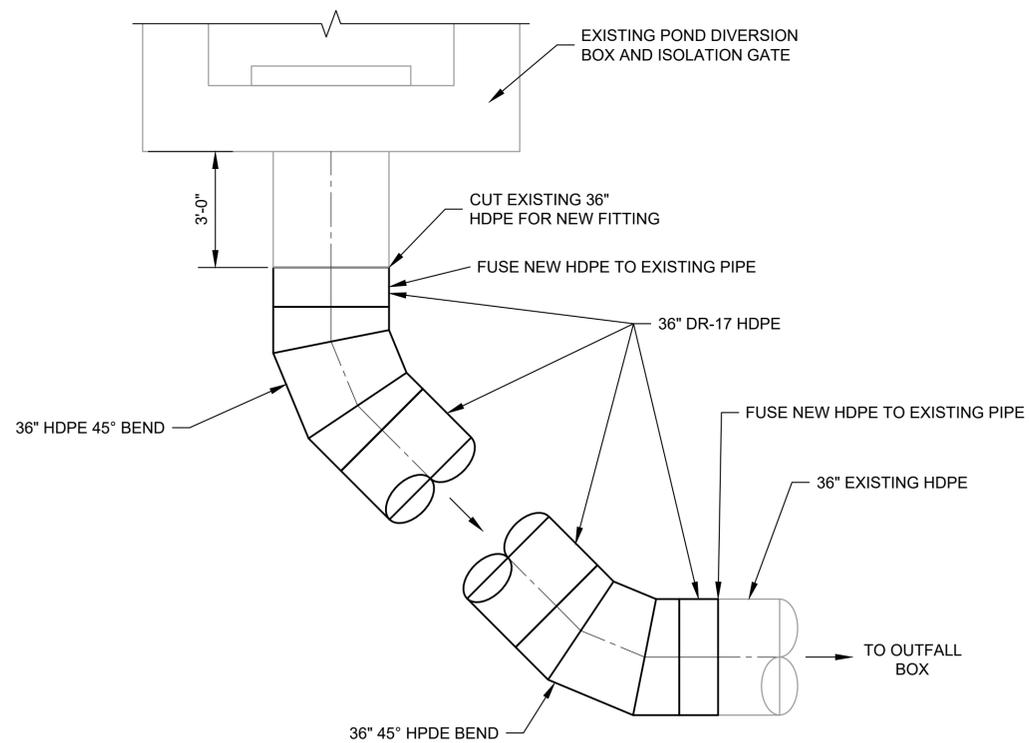
JOB NO. 24600-01
LAS GALLINAS VALLEY SANITARY DISTRICT
MARIN COUNTY, CALIFORNIA
PHASE 1: PLANT UTILITIES RELOCATION
CIVIL DETAILS
CHECKED: CIVIL, DRAWN: KRB, SCALE: AS SHOWN
APPROVED: JRL, DESIGNED: EES, DATE: 05/07/25
GENERAL MANAGER: CUSTIS PAXTON, DISTRICT ENGINEER: Michael P Cortez
RCE # 54039
DRAWING NO. **01C901**, REVISION NO. **0**



8
-
NTS
PIPE CONNECTION



9
-
NTS
PIPE CONNECTION



10
-
NTS
PIPE CONNECTION

PLOTTED:
SAVED:

PLOT: EXTEND
SCALE: 1:1
BORDER: 22,34

COLOR: No.
RED 0.70MM
YELLOW 0.20MM
GREEN 0.25MM
CYAN 0.40MM
BLUE 0.50MM
MAGENTA 0.20MM
WHITE 0.35MM
GRAY 0.15MM
9 0.15MM
10 1.00MM
100 0.70MM
210 0.60MM

LGVSD 1 FILE:
FD144793



533 W 2600 S, SUITE 275, BOUNTIFUL, UT 84010
PHONE (801) 299-1327 FAX (801) 299-0153

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES



JOB NO. 24600-01

LAS GALLINAS VALLEY SANITARY DISTRICT
MARIN COUNTY, CALIFORNIA

PHASE 1: PLANT UTILITIES RELOCATION

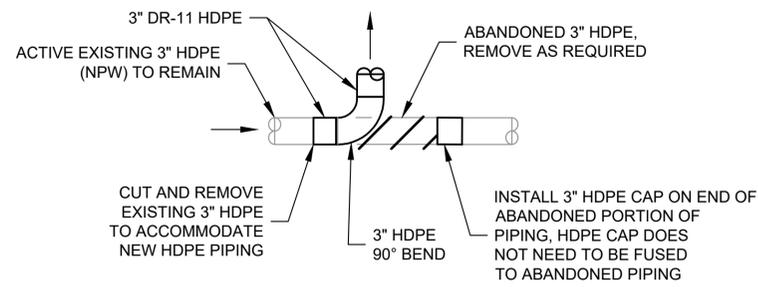
**CIVIL
DETAILS**

CHECKED JRL	DRAWN	SCALE AS SHOWN
APPROVED JRL	DESIGNED	DATE 07/02/18

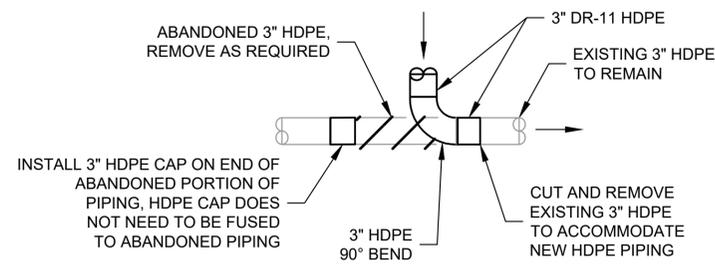
DISTRICT ENGINEER
Michael P Cortez

RCE # 54039

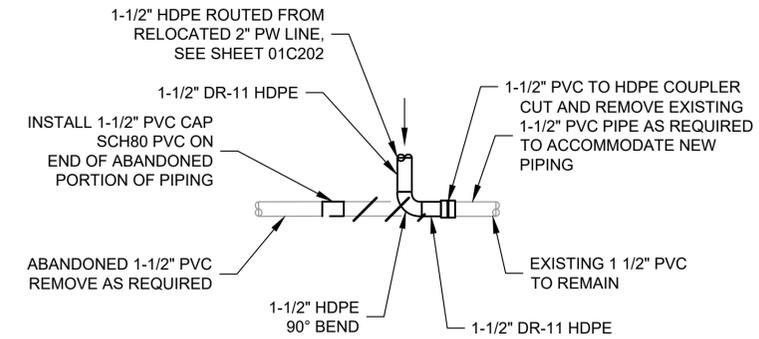
NO.	DATE	DESCRIPTION	BY	APPR'D	SHEET	PLAN NO.	DRAWING NO.	REVISION NO.
REVISIONS								
							01C902	B



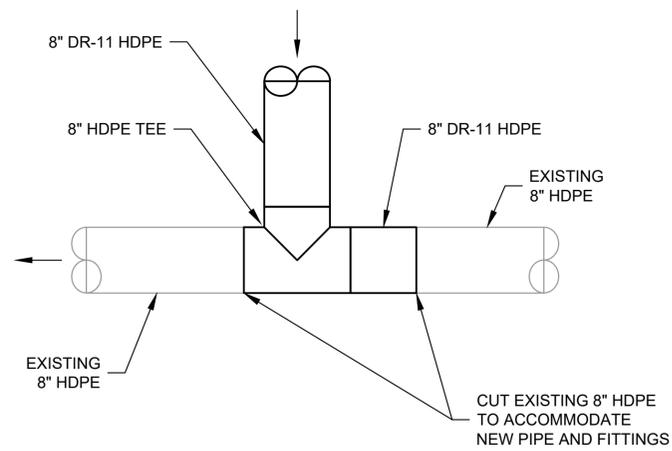
11 PIPE CONNECTION
- NTS



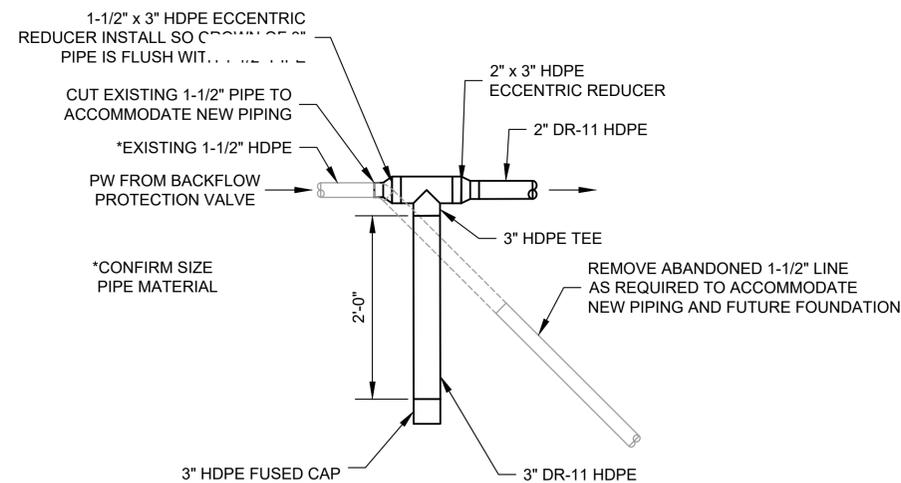
12 PIPE CONNECTION
- NTS



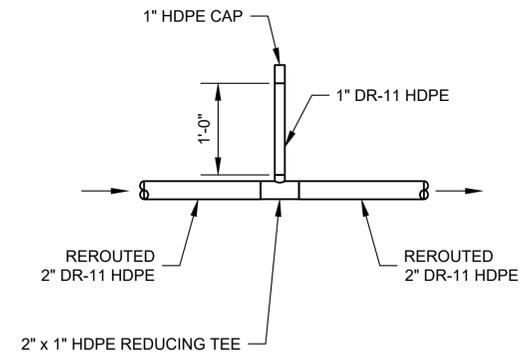
13 PIPE CONNECTION
- NTS



14 PIPE CONNECTION
- NTS



15 PIPE CONNECTION
- NTS



16 PIPE CONNECTION
- NTS

PLOTTED: EXTEND
SCALE: 1:1
BORDER: 22,34
COLOR: No.
RED 0.70MM
YELLOW 0.20MM
GREEN 0.25MM
CYAN 0.40MM
BLUE 0.50MM
MAGENTA 0.20MM
WHITE 0.35MM
GRAY 0.15MM
9 0.15MM
10 1.00MM
100 0.70MM
210 0.60MM

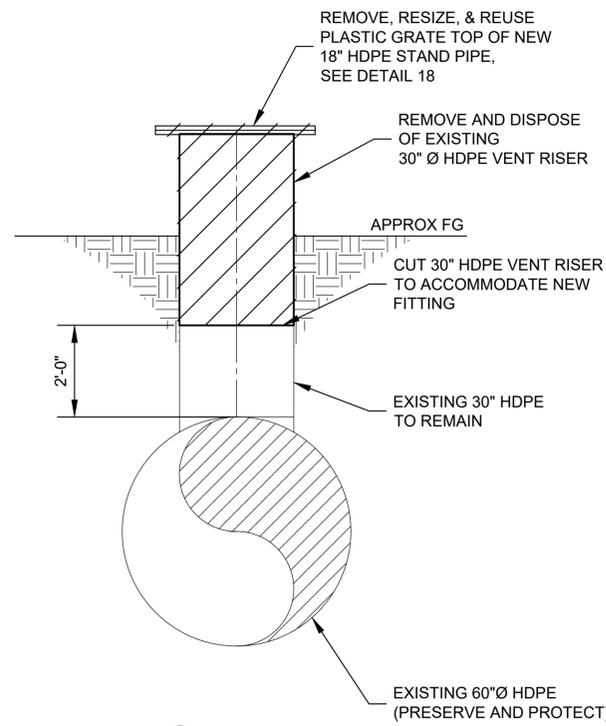
LGVSD 1 FILE:
FD144793

AQUA
ENGINEERING
533 W 2600 S, SUITE 275, BOUNTIFUL, UT 84010
PHONE (801) 299-1327 FAX (801) 299-0153

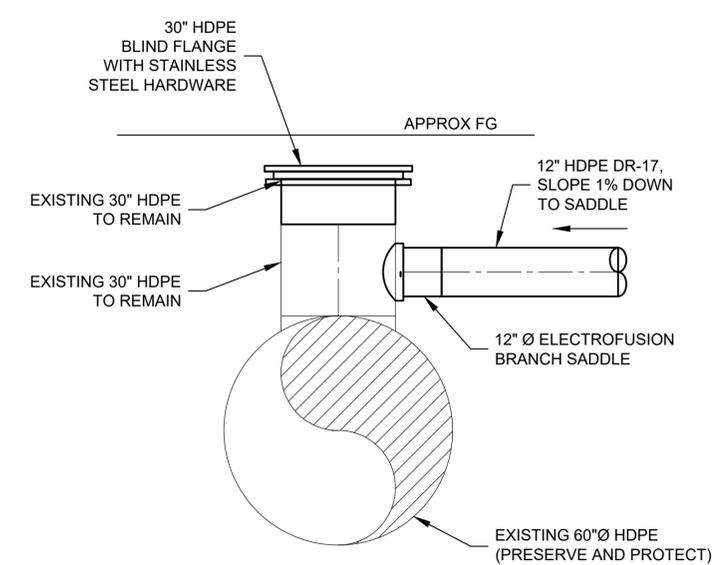
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES

NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

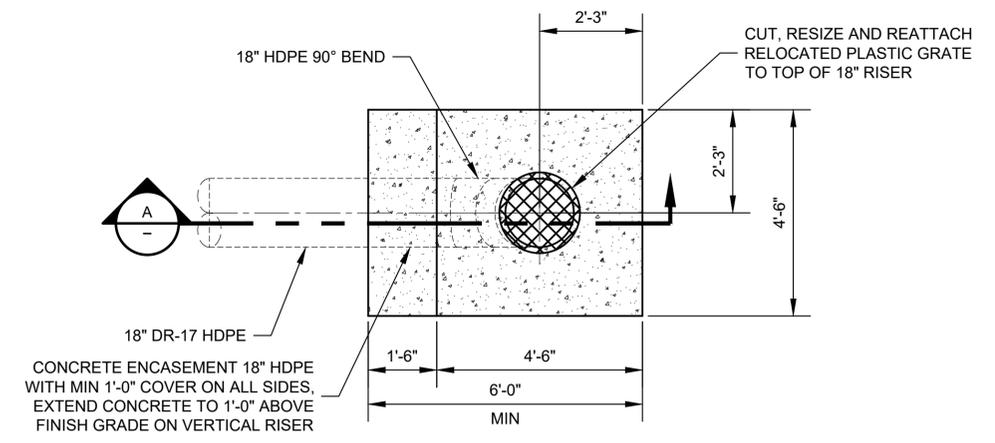
JOB NO. 24600-01
LAS GALLINAS VALLEY SANITARY DISTRICT
MARIN COUNTY, CALIFORNIA
PHASE 1: PLANT UTILITIES RELOCATION
CIVIL DETAILS
CHECKED: JRL
APPROVED: JRL
DRAWN: []
DESIGNED: []
SCALE: AS SHOWN
DATE: 07/02/18
DISTRICT ENGINEER: Michael P Cortez
RCE # 54039
DRAWING NO. 01C903
REVISION NO. B



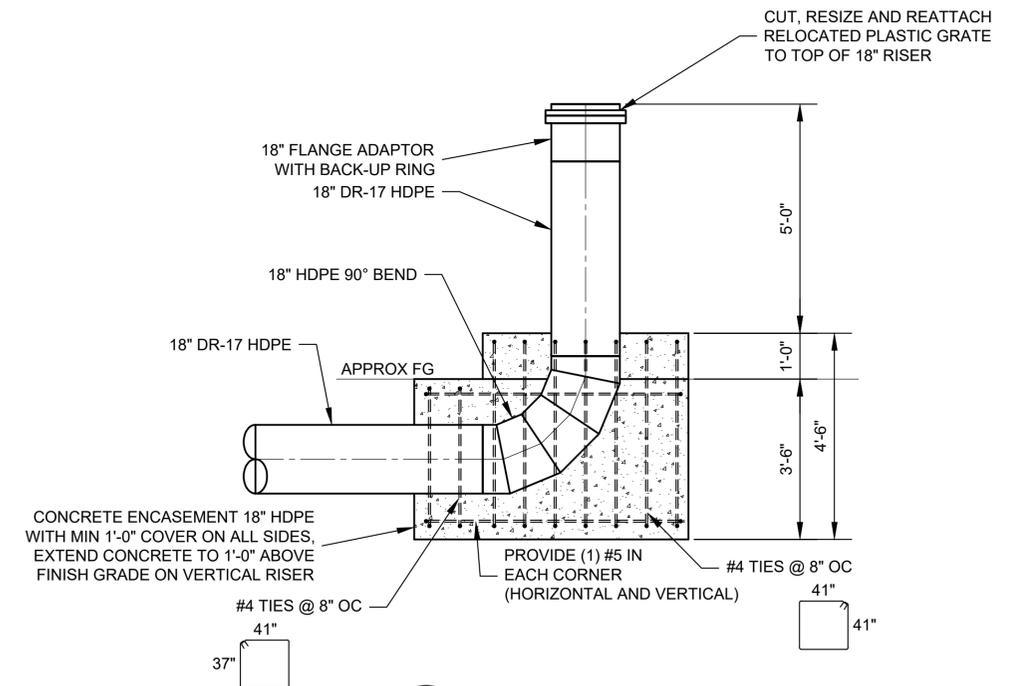
17A DETAIL
1/4"=1'-0"



17B DETAIL
1/4"=1'-0"



18 PLAN
1/4"=1'-0"



A SECTION
1/4"=1'-0"

NOTES:

1. MINIMUM 2" COVER FOR ALL REBAR.
2. CONCRETE SHALL BE MINIMUM 2,000 PSI STRENGTH WITH TYPE II/V CEMENT. CONTRACTOR TO SUBMIT MIX DESIGN TO ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.

PLOTTED: EXTEND
SCALE: 1:1
BORDER: 22,34
COLOR: No.
RED 0.70MM
YELLOW 0.20MM
GREEN 0.25MM
CYAN 0.40MM
BLUE 0.50MM
MAGENTA 0.20MM
WHITE 0.35MM
GRAY 0.15MM
9 0.15MM
10 1.00MM
100 0.70MM
210 0.60MM

LGVSD 1 FILE:
FD144793

533 W 2600 S, SUITE 275, BOUNTIFUL, UT 84010
PHONE (801) 299-1327 FAX (801) 299-0153

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES

NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

JOB NO. 24600-01

LAS GALLINAS VALLEY SANITARY DISTRICT
MARIN COUNTY, CALIFORNIA

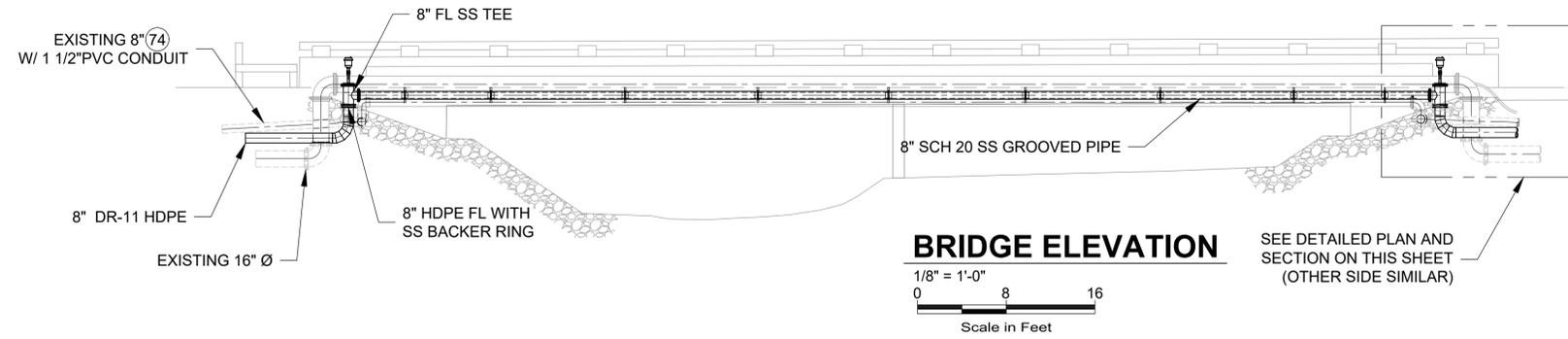
PHASE 1: PLANT UTILITIES RELOCATION

CIVIL DETAILS

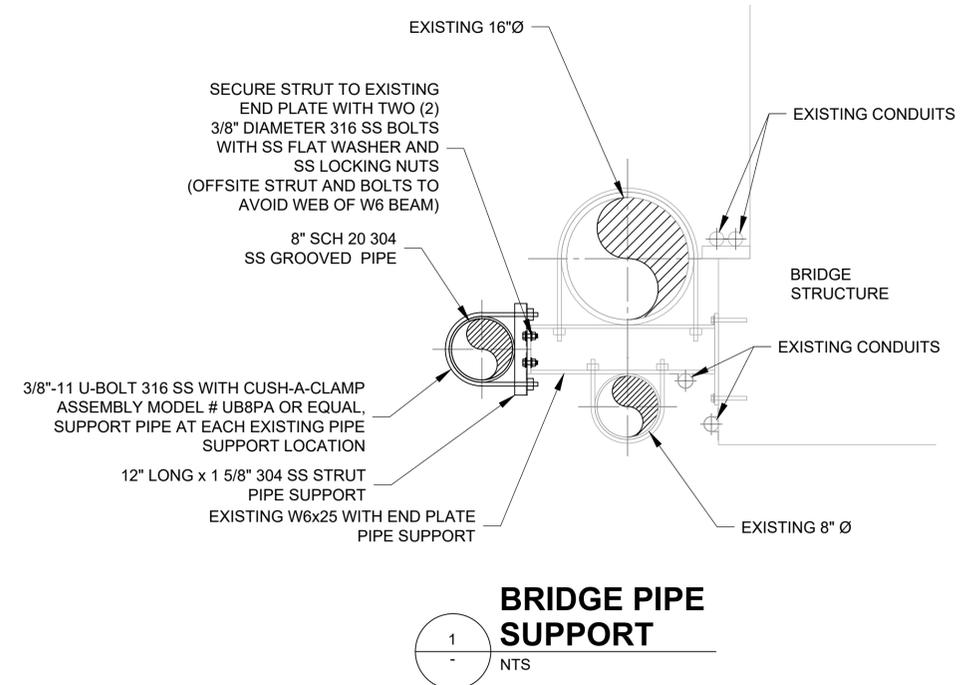
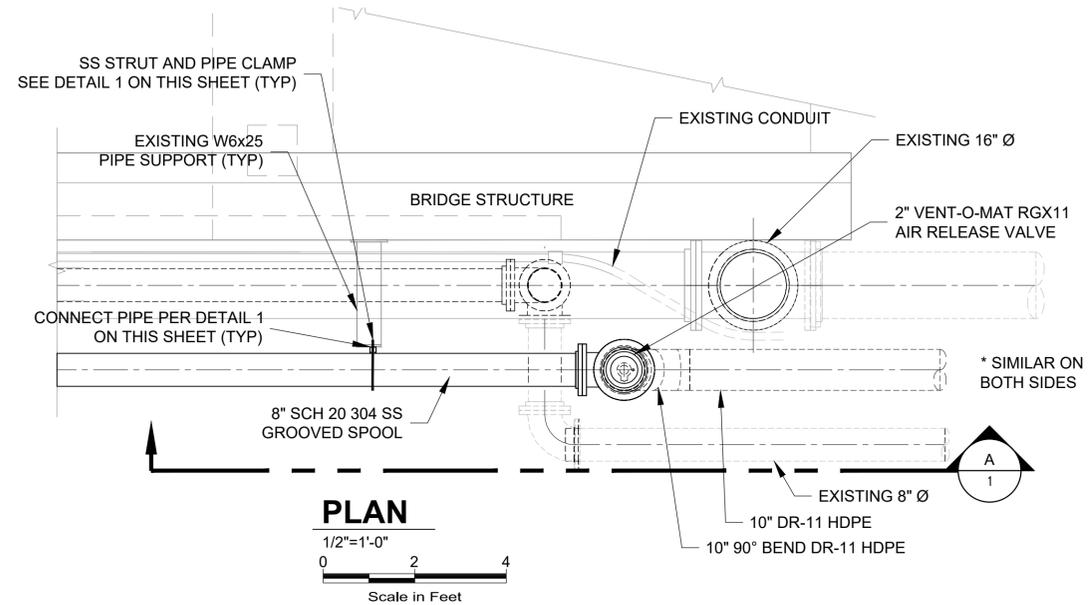
CHECKED JRL	DRAWN	SCALE AS SHOWN
APPROVED JRL	DESIGNED	DATE 05/07/25
DISTRICT ENGINEER Michael P Cortez		REVISION NO. B

DISTRICT ENGINEER
RCE # 54039

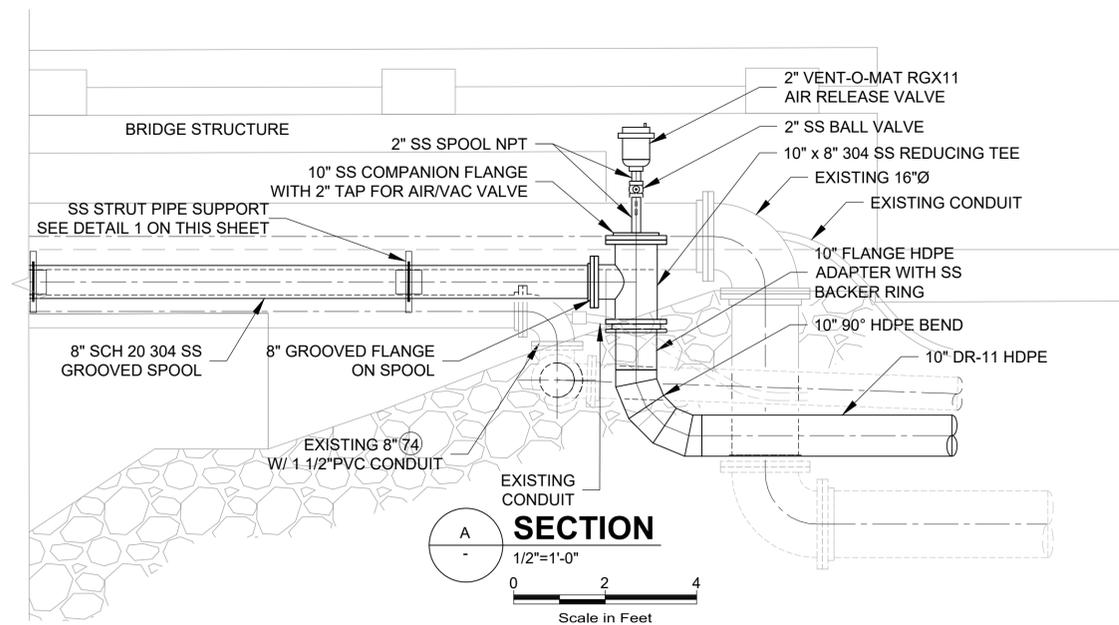
DRAWING NO. **01C904**



SEE DETAILED PLAN AND SECTION ON THIS SHEET (OTHER SIDE SIMILAR)



BRIDGE PIPE SUPPORT
1
-
NTS



18
-
DETAIL

- NOTES:
1. NUTS, WASHERS AND HARDWARE SHALL BE TYPE 316 STAINLESS STEEL.
 2. PRESERVE AND PROTECT EXISTING BRIDGE STRUCTURE, PIPING CONDUIT AND OTHER EXISTING IMPROVEMENTS UNLESS NOTED OTHERWISE.
 3. FIELD LOCATE EXISTING PIPING, CONDUIT AND CONFIRM ROUTING OF NEW 10" AND 8" HDPE IN FIELD WITH DISTRICT STAFF AND ENGINEER.

JOB NO. 24600-01
LAS GALLINAS VALLEY SANITARY DISTRICT
MARIN COUNTY, CALIFORNIA

PHASE 1: PLANT UTILITIES RELOCATION

CIVIL
DETAILS

CHECKED JRL	DRAWN	SCALE AS SHOWN
APPROVED JRL	DESIGNED	DATE 05/07/25

DISTRICT ENGINEER
Michael P Cortez
RCE # 54039

NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

PLAN NO.	DRAWING NO. 01C905	REVISION NO. B
----------	------------------------------	--------------------------



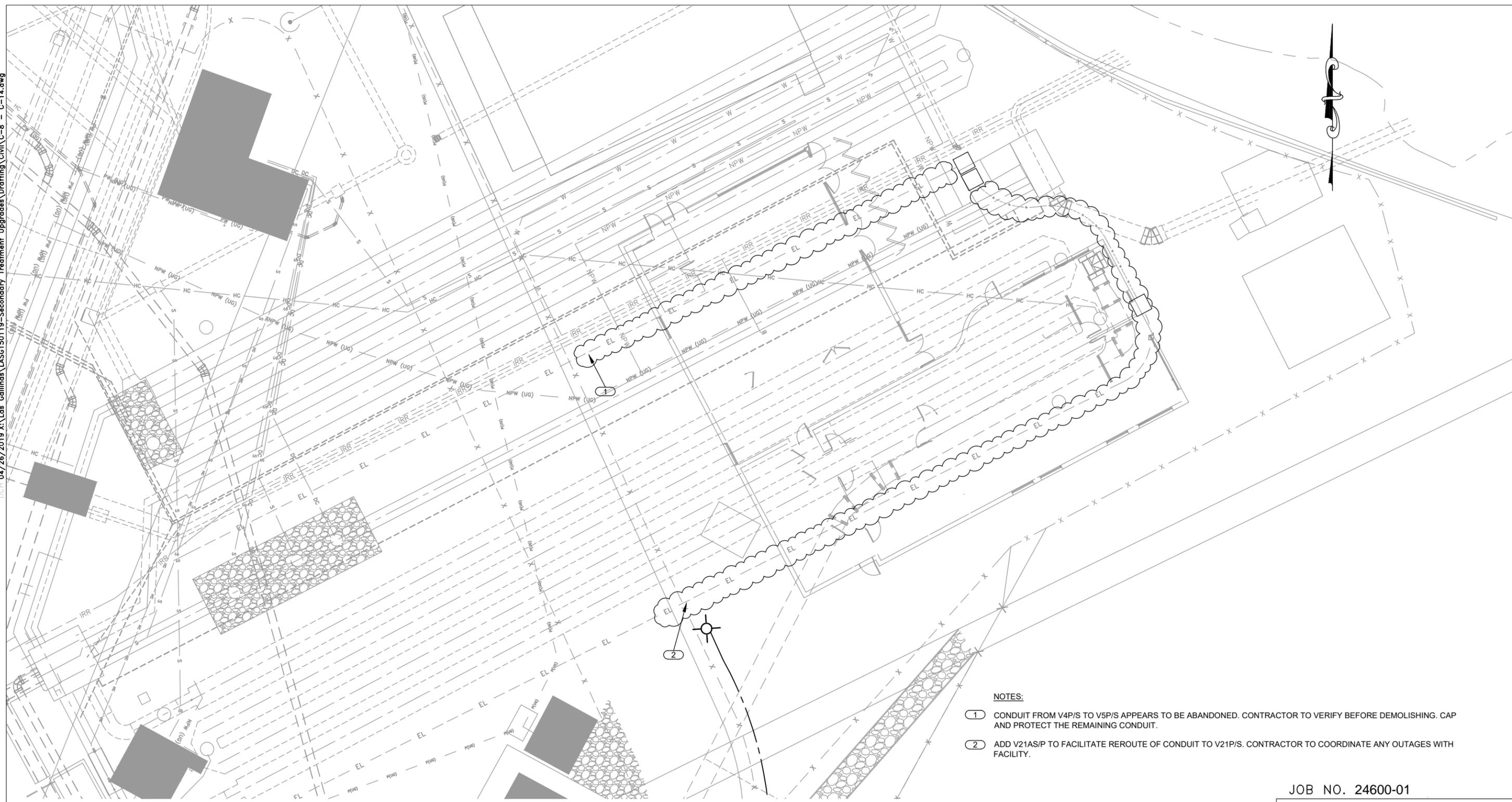
PLOTTED: EXTEND
SCALE: 1:1
BORDER: 22,34
COLOR: No.
RED 0.70MM
YELLOW 0.20MM
GREEN 0.25MM
CYAN 0.40MM
BLUE 0.50MM
MAGENTA 0.20MM
WHITE 0.35MM
GRAY 0.15MM
9 0.15MM
10 1.00MM
100 0.70MM
210 0.60MM

LGVSD 1 FILE:
FD144793

04/26/2019 X:\Las Gallinas\ASG150119-Secondary Treatment Upgrades\Drafting\Civil\C-8 - C-14.dwg

PLOTTED:
SAVED:

PLOT: EXTEND
SCALE: 1:1
BORDER: 22,34
COLOR: No.
RED 0.70MM
YELLOW 0.20MM
GREEN 0.25MM
CYAN 0.40MM
BLUE 0.50MM
MAGENTA 0.20MM
WHITE 0.35MM
GRAY 0.15MM
9 0.15MM
10 1.00MM
100 0.70MM
210 0.60MM



SITE PLAN
SCALE: 1" = 10'
0 20 40
Scale in Feet

NOTES:

- ① CONDUIT FROM V4P/S TO V5P/S APPEARS TO BE ABANDONED. CONTRACTOR TO VERIFY BEFORE DEMOLISHING. CAP AND PROTECT THE REMAINING CONDUIT.
- ② ADD V21AS/P TO FACILITATE REROUTE OF CONDUIT TO V21P/S. CONTRACTOR TO COORDINATE ANY OUTAGES WITH FACILITY.

JOB NO. 24600-01

LAS GALLINAS VALLEY SANITARY DISTRICT
MARIN COUNTY, CALIFORNIA

PHASE 1: PLANT UTILITIES RELOCATION

**ELECTRICAL
DEMOLITION SITE PLAN**

WBS	CHECKED JRL	DRAWN MGJ	SCALE AS SHOWN
	APPROVED JRL	DESIGNED EES	DATE 06/30/24
	GENERAL MANAGER Chris DeGabriele	DISTRICT ENGINEER Michael P Cortez	
		RCE # 54039	

NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

PLAN NO. **E101** REVISION NO. **0**



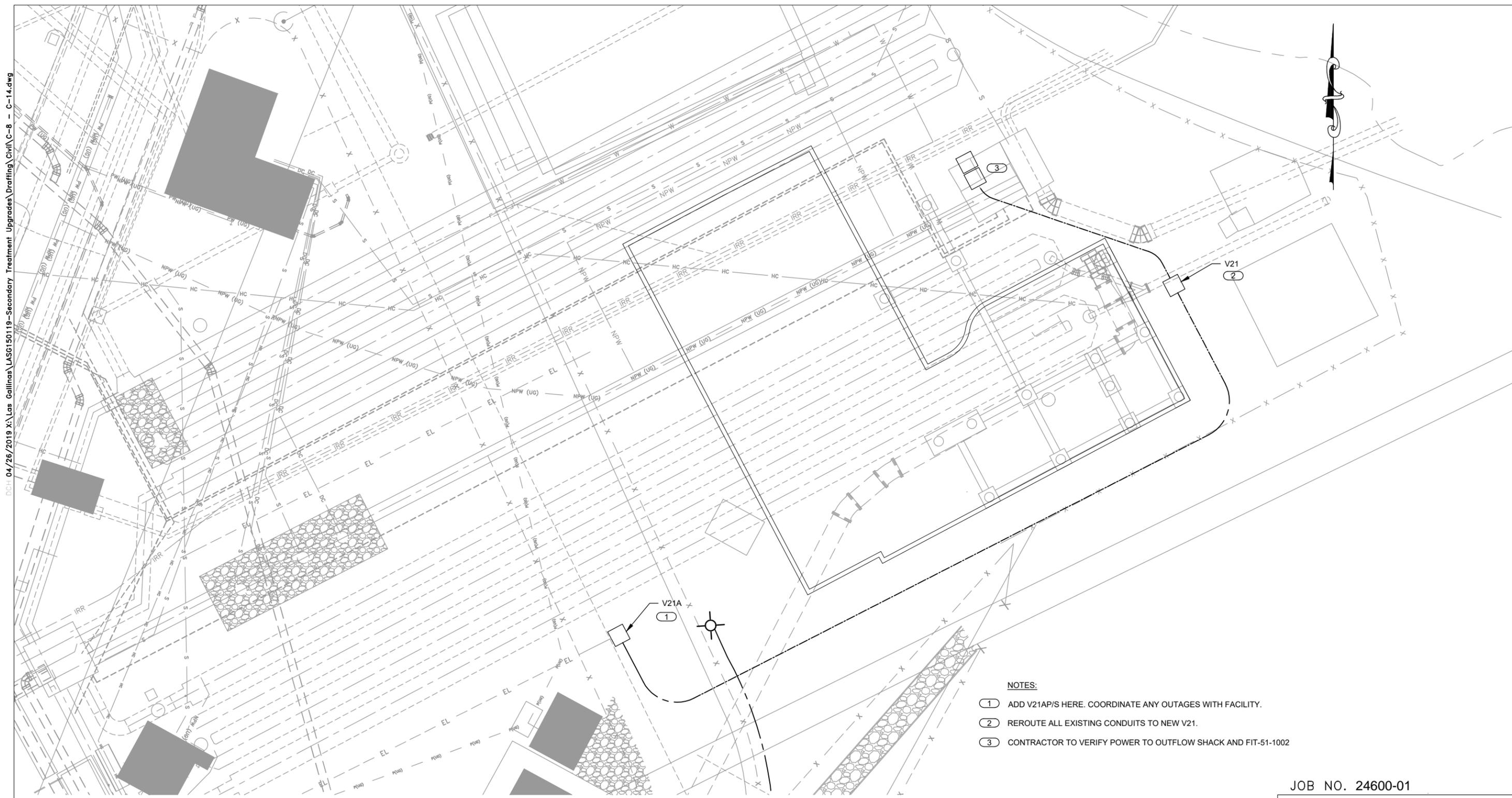
533 W 2600 S, SUITE 275, BOUNTIFUL, UT 84010
PHONE (801) 299-1327 FAX (801) 299-0153



DCH 04/26/2019 X:\Las Gallinas\LASG150119-Secondary Treatment Upgrades\Drafting\Civil\C-8 - C-14.dwg

PLOTTED:
SAVED:

PLOT: EXTEND
SCALE: 1:1
BORDER: 22,34
COLOR: No.
RED 0.70MM
YELLOW 0.20MM
GREEN 0.25MM
CYAN 0.40MM
BLUE 0.50MM
MAGENTA 0.20MM
WHITE 0.35MM
GRAY 0.15MM
9 0.15MM
10 1.00MM
100 0.70MM
210 0.60MM



SITE PLAN
SCALE: 1" = 10'
0 20 40
Scale in Feet

- NOTES:**
- ① ADD V21AP/S HERE. COORDINATE ANY OUTAGES WITH FACILITY.
 - ② REROUTE ALL EXISTING CONDUITS TO NEW V21.
 - ③ CONTRACTOR TO VERIFY POWER TO OUTFLOW SHACK AND FIT-51-1002

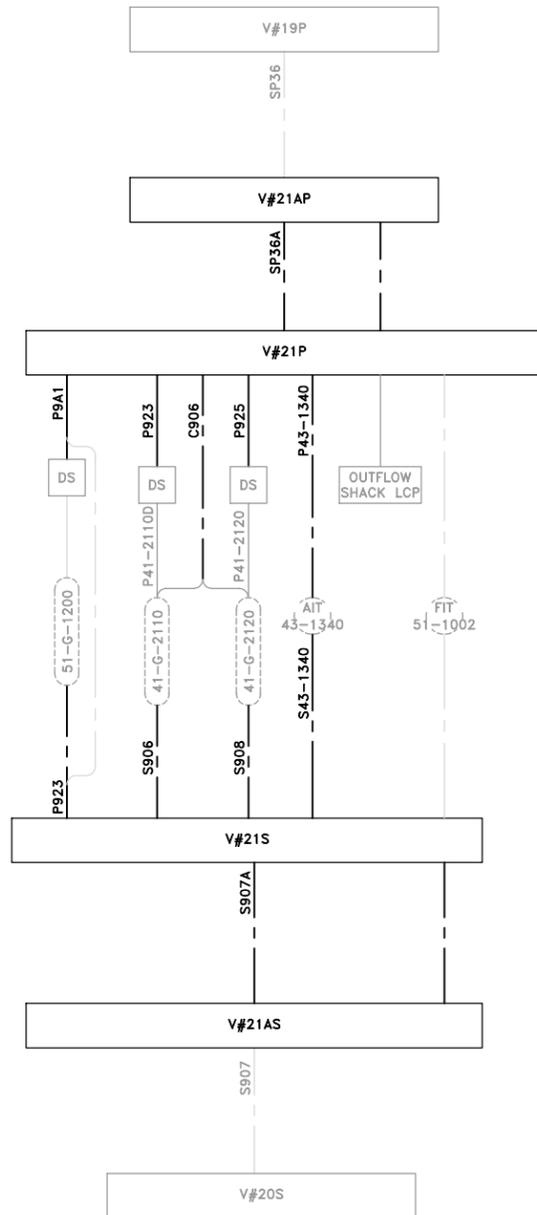
JOB NO. 24600-01
LAS GALLINAS VALLEY SANITARY DISTRICT
MARIN COUNTY, CALIFORNIA

PHASE 1: PLANT UTILITIES RELOCATION

**ELECTRICAL
SITE PLAN**

CHECKED JRL		DRAWN MGJ		SCALE AS SHOWN
APPROVED JRL		DESIGNED EES		DATE 06/30/24
GENERAL MANAGER Chris DeGabriele		DISTRICT ENGINEER Michael P Cortez		
		RCE # 54039		
NO. DATE		DESCRIPTION		BY APPR'D
		REVISIONS		
		PLAN NO.		DRAWING NO. E201
				REVISION NO. 0





CONDUIT	SIZE	CONDUCTORS	RATING	FROM	TO	NOTES
C923	1"	4 #14	SIGNAL	V#21S	51-SG-1200	EXISTING CONDUIT USED TO 51-G-1210 (REMOTE, OPEN, CLOSE)
S906	1"	8 #14	SIGNAL	V#21S	41-G-2110	EXISTING CONDUIT USED TO 51-SG-1200 (REMOTE, OPEN, CLOSE)
S908	1"	8 #14	SIGNAL	V#21S	41-G-2120	
S43-1340	3/4"	1 - #18 TSP	SIGNAL	V#21S	43-AIT-1340	
	2"	4 #14	SIGNAL	V#21AS	V#21S	EXISTING CONDUIT USED FOR 41-SG-1100 (REMOTE, OPEN, CLOSE)
SP36	3"	4 #14	CONTROL	V#21AP	V#21P	EXISTING CONDUIT USED FOR 51-SG-1200 (START/STOP COMMAND)
		4 #14				EXISTING CONDUIT USED FOR 51-SG-1200 (START/STOP COMMAND)
P43-1340	3/4"	2 #12 W/ #12 GND	120VAC	V#21P	43-AIT-1340	
		3 #10 W/ #10 GND				EXISTING CONDUIT USED TO 51-G-1210
P922	2"	3 #10 W/ #10 GND	480VAC	V#21AP	V#21P	EXISTING CONDUIT USED TO 51-SG-1200
		3 #10 W/ #10 GND				EXISTING CONDUIT USED TO 51-G-2120
P923	EX	3 #10 W/ #10 GND	480VAC	V#21P	DS-41-G-2110	SERVES 41-G-2110
P925	EX	3 #10 W/ #10 GND	480VAC	V#21P	DS-41-G-2120	SERVES 41-G-2120 - UTILIZE OTHER HALF OF P925 - P925 ENTERS AND EXITS V#21P
P925	EX	3 #10 W/ #10 GND	480VAC	V#21P	DS-51-G-1210	EXISTING CONDUIT USED TO 51-G-1210
		3 #10 W/ #10 GND			DS-51-SG-1200	EXISTING CONDUIT USED TO 51-SG-1200
C906	EX	4 #14	CONTROL	41-G-2110	V#21S	SERVES 41-G-2110 (OPEN/CLOSE COMMANDS)
	1"	EXISTING	240V	V#21AP	V#21P	CONTRACTOR TO FIELD VERIFY
	1"	EXISTING	240V	V#21P	OUTFLOW PANEL	CONTRACTOR TO FIELD VERIFY
	1"	1 - #18 TSP	SIGNAL	V#21AS	V#21S	CONTRACTOR TO FIELD VERIFY
	1"	2 #12 W/ #12 GND	120VAC	V#21P	51-FIT-1002	CONTRACTOR TO FIELD VERIFY
	1"	1 - #18 TSP	SIGNAL	V#21S	51-FIT-1002	CONTRACTOR TO FIELD VERIFY

CONDUIT SCHEDULE

PLOT: EXTEND
 SCALE: 1:1
 BORDER: 22,34
 COLOR: No.
 RED 0.70MM
 YELLOW 0.20MM
 GREEN 0.25MM
 CYAN 0.40MM
 BLUE 0.50MM
 MAGENTA 0.20MM
 WHITE 0.35MM
 GRAY 0.15MM
 9 0.15MM
 10 1.00MM
 100 0.70MM
 210 0.60MM



533 W 2600 S, SUITE 275, BOUNTIFUL, UT 84010
 PHONE (801) 299-1327 FAX (801) 299-0153

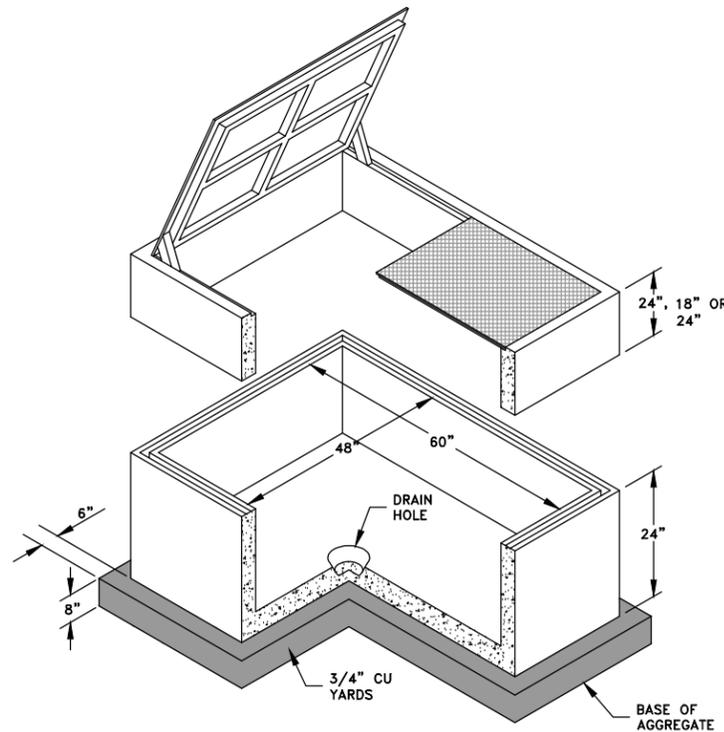
JOB NO. 24600-01

LAS GALLINAS VALLEY SANITARY DISTRICT
 MARIN COUNTY, CALIFORNIA

PHASE 1: PLANT UTILITIES RELOCATION

ELECTRICAL CONDUIT DEVELOPMENT

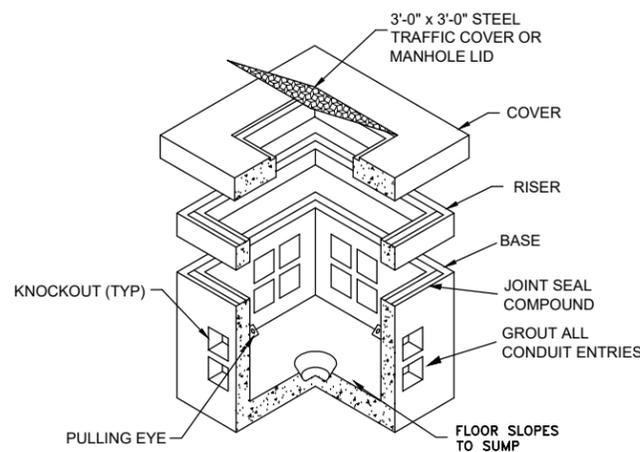
WBS		CHECKED JRL	DRAWN MGJ	SCALE AS SHOWN
		APPROVED JRL	DESIGNED EES	DATE 06/30/24
		GENERAL MANAGER Chris DeGabriele	DISTRICT ENGINEER Michael P Cortez	
		RCE # 54039		
NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				
			SHEET	PLAN NO.
			DRAWING NO. E601	REVISION NO. 0



NOTES:

1. JOINT SEALING COMPOUND SHALL BE PLACED BETWEEN PULLBOX BASE AND ALL GRADE RINGS. SEALING COMPOUND OR GROUT SHALL BE REQUIRED BETWEEN LAST GRADE RING AND TOP COVER SECTION PER DISTRICT'S INSPECTOR.
2. PROVIDE TWO PIECE STEEL PARKWAY COVERS AS REQUIRED.
3. ALL TOP COVER SECTIONS SHALL BE PROVIDED WITH 3/4" DIA. ADJUSTABLE BOLTS FOR GRADE AND SLOPE (4 REQUIRED).
4. COMPACT ALL BACKFILLS TO A MINIMUM OF 90%
5. FINISHED GRADES MUST BE ESTABLISHED PRIOR TO PULLBOX INSTALLATION. CONTRACTOR TO FURNISH GRADE RINGS AS REQUIRED TO INSTALL FLUSH WITH FINISHED GRADE.
6. BASE SECTION OF PULLBOX MUST BE LEVEL PRIOR TO ADDITION OF GRADE RINGS, ETC.
7. ALL TOP COVERS MUST BE MARKED "ELECTRICAL".

025 TYP 4'X5' PULLBOX DETAIL
SCALE: NONE



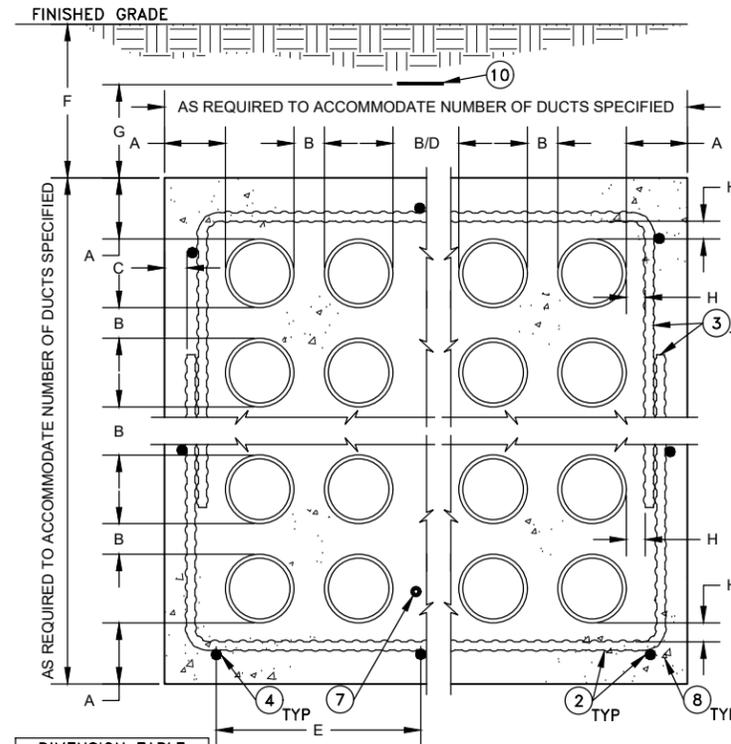
NOTE:

3'-11" x 3'-11" x 4'-1" MINIMUM INSIDE DIMENSIONS.
INSTALL A GROUND ROD AND CONNECT TO DUCT BANK GROUND.
TRAIN CABLES AROUND INTERIOR PERIMETER ON CABLE RACKS.

021 TYP UNDERGROUND CONCRETE PULLBOX
SCALE: NONE

PLOT: EXTEND
SCALE: 1:1
BORDER: 22,34

COLOR: No. 0.70MM
RED 0.20MM
YELLOW 0.25MM
GREEN 0.40MM
CYAN 0.50MM
BLUE 0.50MM
MAGENTA 0.20MM
WHITE 0.35MM
GRAY 0.15MM
9 0.15MM
10 1.00MM
100 0.70MM
210 0.60MM

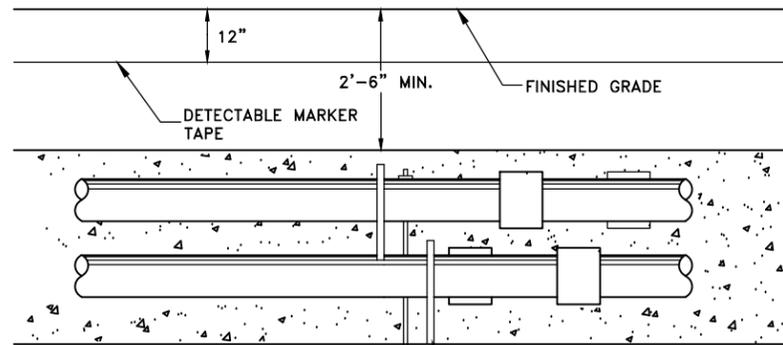


DIMENSION TABLE	
A	4" MIN. TYP.
B	2" MIN. SEE NOTE 12
C	2" MIN. SEE NOTE 2
D	12" MIN. SEE NOTE 13
E	18" MAX. SEE NOTE 4
F	18" MIN. 30" MAX.
G	12"
H	2" MIN. TYP.

202 TYP MULTIPLE DUCT DUCTBANK DETAIL
SCALE: N.T.S.

NOTES:

1. ALL DIMENSIONS SHOWN ARE MINIMUM DIMENSIONS. UNLESS NOTED OTHERWISE ON THE DRAWINGS.
2. ALL REBAR SHALL BE #4 BAR AND HAVE A MINIMUM CONCRETE EMBEDMENT OF 2" (EDGE OF REBAR TO OUTSIDE SURFACE OF CONCRETE).
3. REBAR HOOPS SHALL OVERLAP 9" MINIMUM AND SHALL BE PROVIDED EVERY 4 FEET HORIZONTALLY. HOOPS SHALL NOT BE REQUIRED ON SINGLE ROW DUCTBANKS.
4. HORIZONTAL REBAR SHALL BE PLACED @ A MAXIMUM OF 18" ON CENTER ALL AROUND THE DUCTBANK ENVELOPE AND SHALL BE SUPPORTED EVERY 4 FEET LONGITUDINALLY. SINGLE ROW DUCTBANKS LESS THAN 24" WIDE SHALL HAVE A MIN. OF 2 HORIZONTAL BARS.
5. DUCT SPACERS (SADDLES) SHALL BE PROVIDED FOR PROPER SUPPORT OF CONDUIT DUCTS. SPACERS SHALL BE PROVIDED HORIZONTALLY AS RECOMMENDED BY THE MANUFACTURER AND TO PREVENT ANY SAGGING OF THE DUCTS (LOW SPOTS WILL NOT BE ALLOWED).
6. DUCTS SHALL BE SECURED TO PREVENT FLOATING DURING THE CONCRETE ENCASEMENT.
7. PROVIDE A 4/0 BARE CONTINUOUS COPPER GROUND. SEE GROUNDING SPECIFICATION SECTION 16170.
8. DUCTBANK CONCRETE SHALL BE COLOR DYED RED BY MIXING 3 LBS. IRON OXIDE PER CUBIC YARD OF CONCRETE.
9. ALL DUCTBANKS SHALL BE SLOPED @ 1/4" PER 10 FEET TO ALLOW DRAINAGE.
10. A 3" WIDE DETECTABLE PLASTIC MARKER TAPE WITH INSCRIPTION "CAUTION ELECTRICAL LINES BURIED BELOW" (BLACK LETTERS ON RED BACKGROUND) SHALL BE INSTALLED 12" ABOVE THE TOP OF ALL CONCRETE ENCASED DUCTBANKS.
11. REFER TO CONDUIT SCHEDULE FOR WIRE FILL OF ALL DUCTS.
12. ALL DUCTS OF THE SAME DUTY (480V POWER, 120V POWER, 120V CONTROLS, AND SIGNAL) SHALL BE SEPARATED BY A MINIMUM OF 2".
13. SIGNAL AND FIBER DUCTS SHALL BE SEPARATED FROM 480V POWER BY A MIN. OF 12", FROM 120V POWER BY A MIN. OF 6" AND FROM 120V CONTROL BY MIN. OF 4" UNLESS NOTED OTHERWISE ON THE DRAWINGS. 120V POWER AND 120V CONTROL DUCTS SHALL BE SEPARATED FROM 480V POWER BY A MIN. OF 4" UNLESS NOTED OTHERWISE ON THE DRAWINGS.



DUCTBANK SHALL BE COLOR DYED BY MIXING 3 LBS IRON OXIDE PER CONCRETE CUBIC YARD.

ALL DUCTBANKS SHALL BE SLOPED 1/4" PER DUCT 10' TO ALLOW DRAINAGE. NO LOW SPOTS WILL BE ALLOWED IN RACEWAY

203 TYP DUCTBANK DETAIL
SCALE: NONE



533 W 2600 S, SUITE 275, BOUNTIFUL, UT 84010
PHONE (801) 299-1327 FAX (801) 299-0153

JOB NO. 24600-01

LAS GALLINAS VALLEY SANITARY DISTRICT
MARIN COUNTY, CALIFORNIA

PHASE 1: PLANT UTILITIES RELOCATION

ELECTRICAL DETAILS 1

CHECKED JRL	DRAWN MGJ	SCALE AS SHOWN
APPROVED JRL	DESIGNED EES	DATE 06/30/24
GENERAL MANAGER Chris DeGabriele		DISTRICT ENGINEER Michael P Cortez

RCE # 54039	
DRAWING NO. E901	REVISION NO. 0

NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				



LEGEND

-  ENTRY TO PLANT
-  AREA NOT IN SCOPE
-  AREA TO BE DEMOLISHED
-  (N) PARKING PROVIDED BY PROJECT
-  (E) TRASH & RECYCLING ENCLOSURE AT THE PLANT
-  LIMIT OF WORK BOUNDARY

(E) GATED ENTRY TO MULTI-PURPOSE BUILDING & LAS GALLINAS WILDLIFE PONDS
OPEN HOURS 4:00AM - 10:00PM DAILY

(E) GATED ENTRY TO PLANT OPERATIONS
OPEN HOURS 5:45AM - 3:30PM M-F
KNOX KEYED SWITCH & KNOXBOX AT (E) GATE

(E) PLANT-WIDE TRASH AND RECYCLING COLLECTIONS

LAS GALLINAS WILDLIFE PONDS

MILLER CREEK

LAS GALLINAS BIRDING LOOP

MILLER CREEK

(5) PROPOSED NEW PARKING SPACES

(E) LAB TO BE DEMOLISHED
2,160 SF

(E) EQUIPMENT SHED TO REMAIN
85 SF

LAS GALLINAS VALLEY SANITARY DISTRICT
WASTEWATER TREATMENT PLANT

(E) STORAGE SHED TO BE DEMOLISHED
475 SF

LIMIT OF WORK BOUNDARY
25,388 SF

PROPOSED NEW BUILDING

PV CANOPY ABOVE PARKING

(8) PROPOSED NEW PARKING SPACES

SMITH RANCH ROAD

PROPERTY LINE

MCINNIS PARK

NOT FOR CONSTRUCTION
FOR REFERENCE ONLY



1 DISTRICT PLAN
60.11 1" = 60'-0"

NOLL & TAM
ARCHITECTS

729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

JOB NO. 24600-01

LAS GALLINAS VALLEY SANITARY DISTRICT
MARIN COUNTY, CALIFORNIA

PHASE 1: PLANT UTILITIES RELOCATION

DISTRICT PROPERTY BOUNDARY
FOR REFERENCE ONLY

DESIGNED	DRAWN	AS SHOWN
CHECKED	DATE	05/05/25

GENERAL MANAGER	DISTRICT ENGINEER
-----------------	-------------------

NO.	DATE	DESCRIPTION

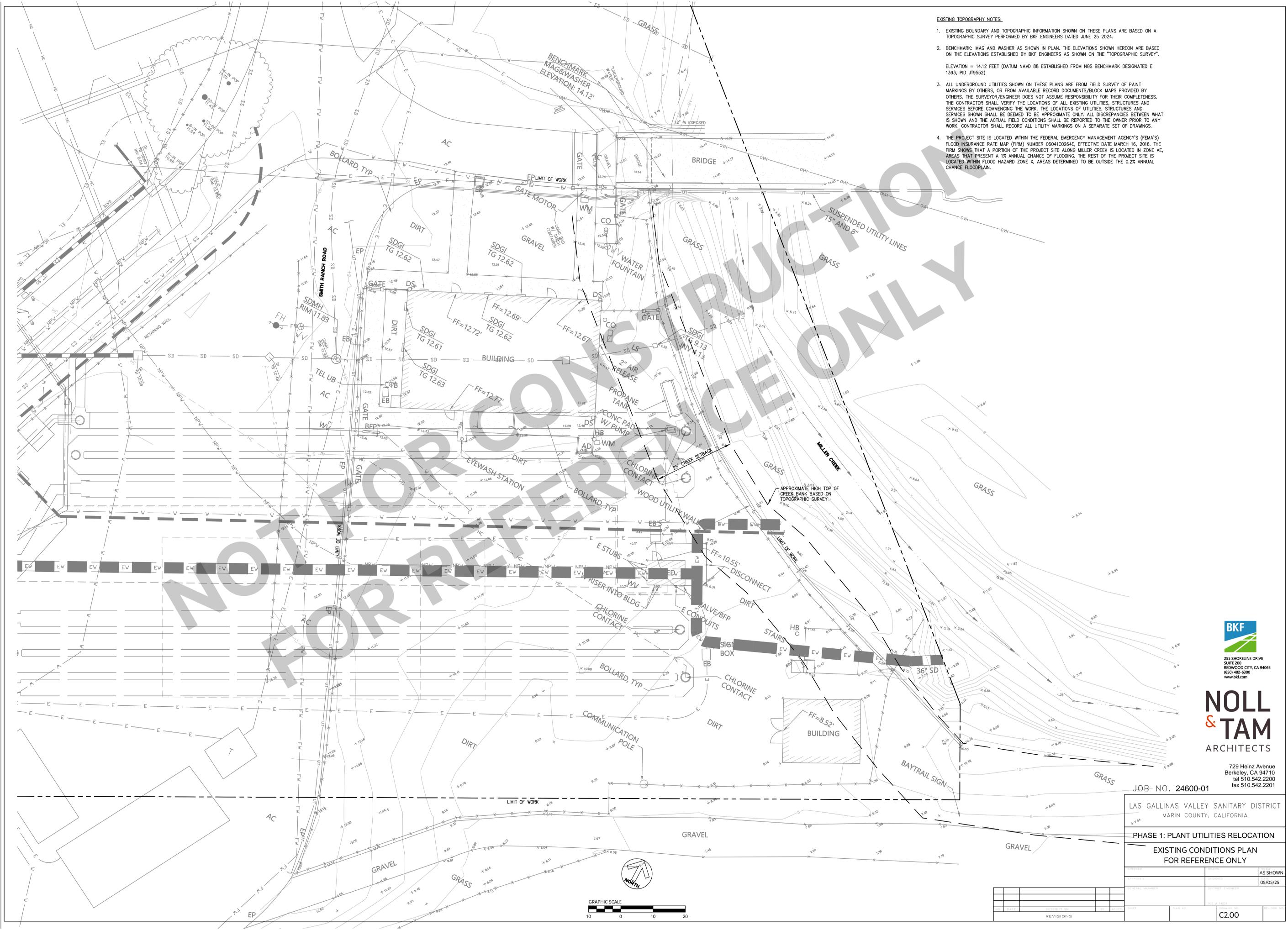
REVISIONS

G0.11

EXISTING TOPOGRAPHY NOTES:

- EXISTING BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN ON THESE PLANS ARE BASED ON A TOPOGRAPHIC SURVEY PERFORMED BY BKF ENGINEERS DATED JUNE 25, 2024.
- BENCHMARK: MAG AND WASHER AS SHOWN IN PLAN. THE ELEVATIONS SHOWN HEREON ARE BASED ON THE ELEVATIONS ESTABLISHED BY BKF ENGINEERS AS SHOWN ON THE "TOPOGRAPHIC SURVEY".

ELEVATION = 14.12 FEET (DATUM NAVD 88 ESTABLISHED FROM NGS BENCHMARK DESIGNATED E 1393, PID JT9552)
- ALL UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE FROM FIELD SURVEY OF PAINT MARKINGS BY OTHERS, OR FROM AVAILABLE RECORD DOCUMENTS/BLOCK MAPS PROVIDED BY OTHERS. THE SURVEYOR/ENGINEER DOES NOT ASSUME RESPONSIBILITY FOR THEIR COMPLETENESS. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES AND SERVICES BEFORE COMMENCING THE WORK. THE LOCATIONS OF UTILITIES, STRUCTURES AND SERVICES SHOWN SHALL BE DEEMED TO BE APPROXIMATE ONLY. ALL DISCREPANCIES BETWEEN WHAT IS SHOWN AND THE ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER PRIOR TO ANY WORK. CONTRACTOR SHALL RECORD ALL UTILITY MARKINGS ON A SEPARATE SET OF DRAWINGS.
- THE PROJECT SITE IS LOCATED WITHIN THE FEDERAL EMERGENCY MANAGEMENT AGENCY'S (FEMA'S) FLOOD INSURANCE RATE MAP (FIRM) NUMBER 060410284E, EFFECTIVE DATE MARCH 16, 2016. THE FIRM SHOWS THAT A PORTION OF THE PROJECT SITE ALONG MILLER CREEK IS LOCATED IN ZONE AE. AREAS THAT PRESENT A 1% ANNUAL CHANCE OF FLOODING. THE REST OF THE PROJECT SITE IS LOCATED WITHIN FLOOD HAZARD ZONE X, AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANGE FLOODPLAIN.



NOT FOR REFERENCE ONLY



255 SHORELINE DRIVE
SUITE 200
REDWOOD CITY, CA 94065
(650) 482-6300
www.bkf.com

NOLL & TAM
ARCHITECTS

729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

JOB NO. 24600-01

LAS GALLINAS VALLEY SANITARY DISTRICT
MARIN COUNTY, CALIFORNIA

PHASE 1: PLANT UTILITIES RELOCATION
EXISTING CONDITIONS PLAN
FOR REFERENCE ONLY

DESIGNED	AS SHOWN
DATE	05/05/25
GENERAL MANAGER	SERVICES ENGINEER
DATE	DATE

NO.	DATE	DESCRIPTION

C2.00



LAS GALLINAS
WILDLIFE PONDS

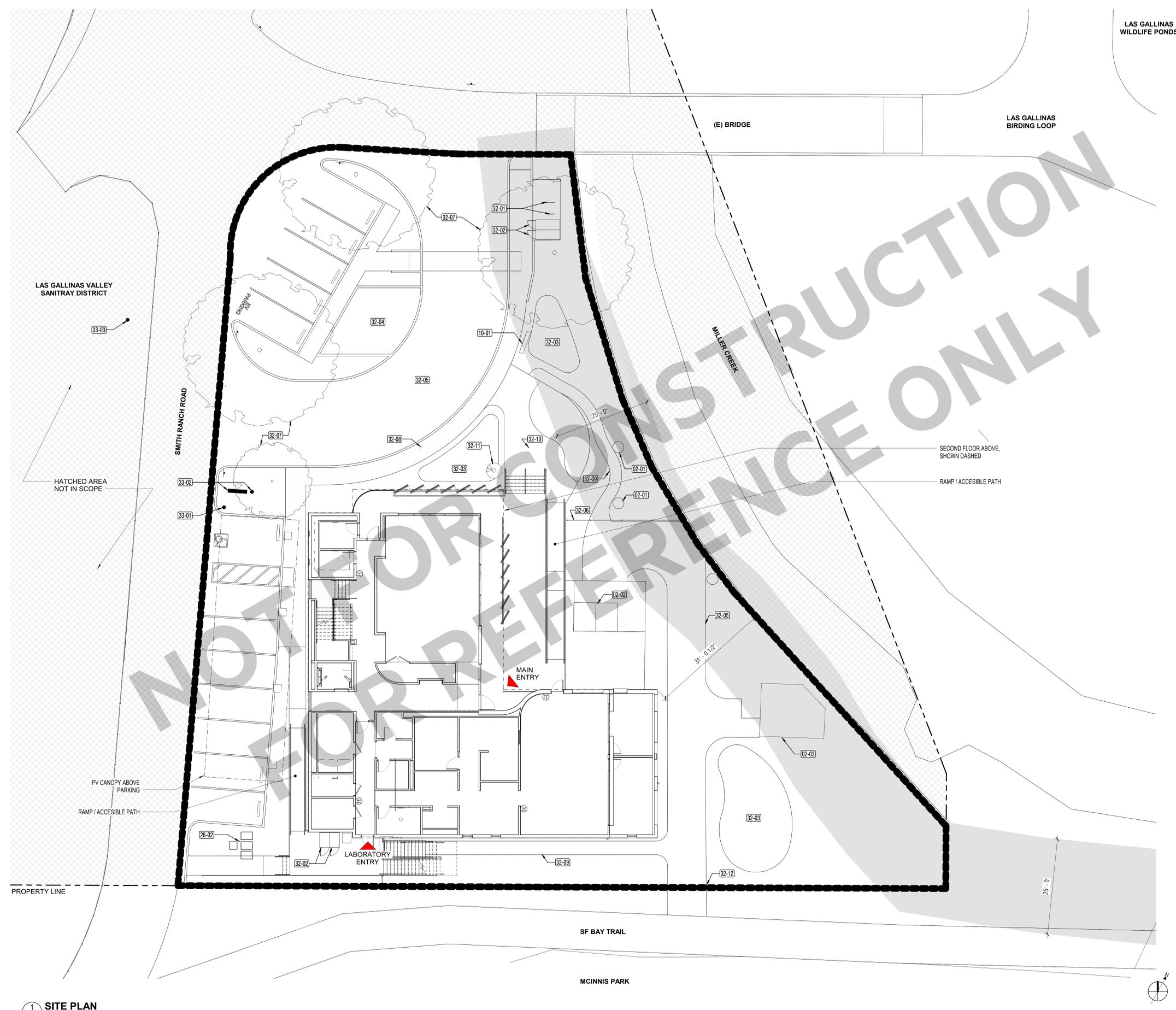
SITE PLAN NOTES

1. SEE G1.21 FOR ACCESSIBILITY COMPLIANCE PLANS
2. SEE CIVIL DRAWINGS FOR EXISTING CONDITIONS, INCLUDING UTILITIES TO PROTECT IN PLACE, GRADING, FIRE APPARATUS ACCESS DIAGRAM, PARKING DETAILS, SITE PAVING, AND STORMWATER PLAN.
3. SEE LANDSCAPE DRAWINGS FOR PLANTED AREAS, SITE MATERIALS, SITE FURNISHINGS, FENCING AND RELOCATED DRINKING FOUNTAIN.
4. SEE ELECTRICAL DRAWINGS FOR INCOMING ELECTRICAL SERVICE AND EV CAPABLE PARKING INFORMATION.
5. SEE LIGHTING FOR SITE LIGHTING FIXTURES AND LAYOUT.
6. SEE PLUMBING DRAWINGS FOR HOSEBIB LOCATIONS.
7. SEE COMMUNICATIONS DRAWINGS FOR INCOMING TELEDATA LINES.
8. SEE SECURITY DRAWINGS FOR CAMERA LOCATIONS AND DETAILS.

KEYNOTE LEGEND	
Key Value	Keynote Text
02-01	(E) CHLORINE CONTACT STANDPIPE TO REMAIN, SCD
02-02	(E) POND DIVERSION BOX & EQUIPMENT SHED TO REMAIN, SCD
02-03	(E) OUTFALL BOX TO REMAIN, SCD
10-01	EXTERIOR MONUMENT SIGN
26-02	PULLBOX, SED, STED
32-01	SHORT TERM BIKE PARKING, SLD
32-02	LONG TERM BIKE PARKING, SLD
32-03	BIORETENTION AREA, SCD
32-04	FLOW-THROUGH-PLANTER, SCD
32-05	DRIVE AISLE, SLD FOR MATERIALS
32-06	FENCING, SLD
32-07	TREE, SLD
32-08	SIDEWALK, SCD, SLD
32-09	PEDESTRIAN PATH, SLD FOR MATERIALS
32-10	ARRIVAL PLAZA, SLD
32-11	STONE SPLASH-PAD AT BUILDING RAIN CHAIN, SLD
32-12	SWING GATE, SLD
33-01	FIRE HYDRANT, SCD
33-02	FIRE DEPARTMENT CONNECTION & BACKFLOW PREVENTOR, SCD
33-03	(E) FIRE HYDRANT, SCD

LEGEND

-  BUILDING ENTRY
-  AREA NOT IN SCOPE
-  25 FT CREEK SETBACK
-  LIMIT OF WORK BOUNDARY



1 SITE PLAN
A2.01 1" = 10'-0"

NOLL & TAM
ARCHITECTS

729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

JOB NO. 24600-01

LAS GALLINAS VALLEY SANITARY DISTRICT
MARIN COUNTY, CALIFORNIA

PHASE 1: PLANT UTILITIES RELOCATION

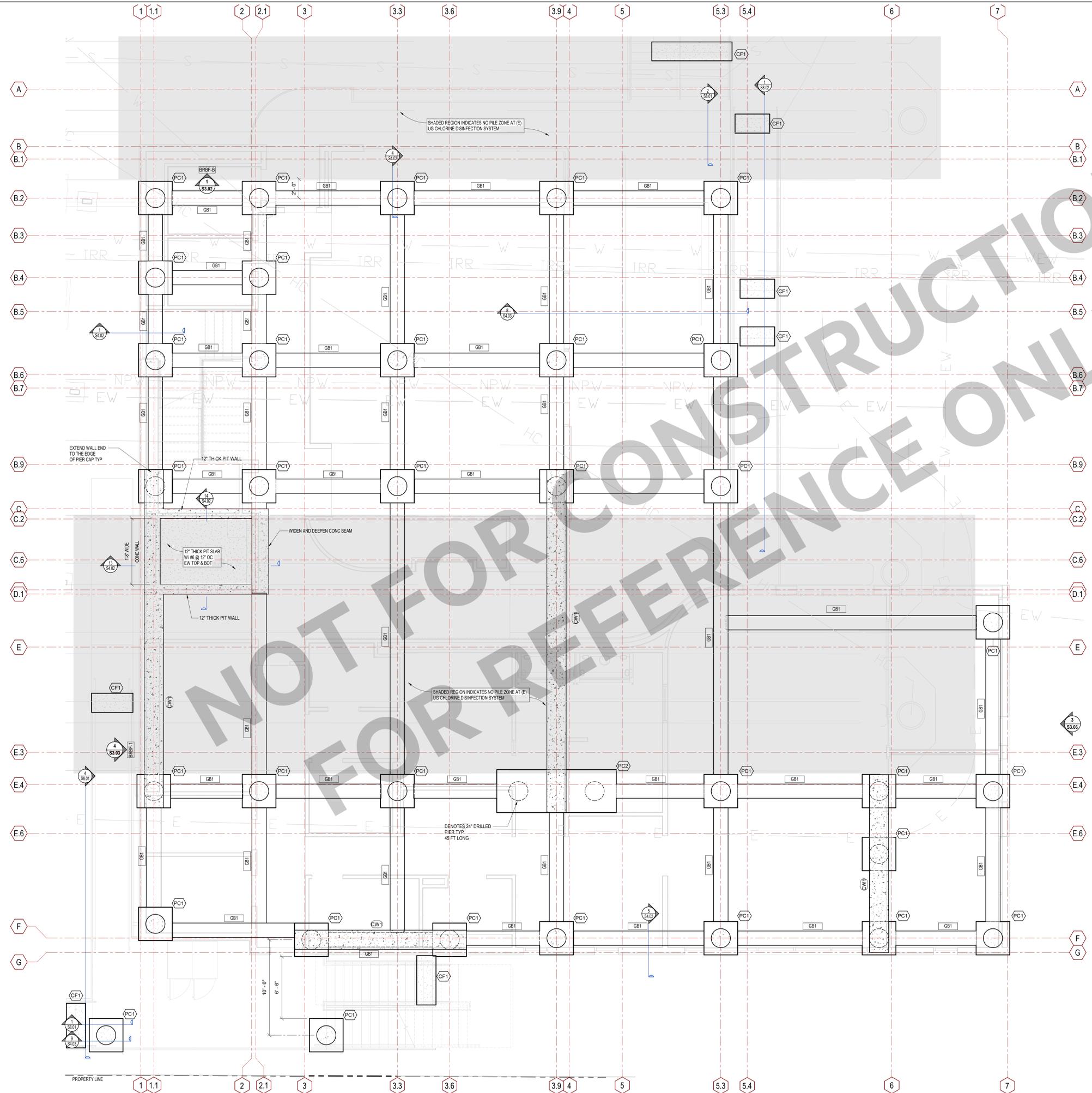
SITE PLAN
FOR REFERENCE ONLY

DESIGNED	DATE	AS SHOWN
CHECKED	DATE	05/05/25
GENERAL MANAGER	SERVICE ENGINEER	
DATE	DATE	

NO.	DATE	DESCRIPTION

A0.00

- SHEET NOTES:**
1. SEE GENERAL NOTES ON SHEET S0.01 FOR INFO NOT SHOWN HERE.
 2. DENOTES CONCRETE GRADE BEAM 1'-6" WIDE x 1'-6" DEEP.
 3. DENOTES CONCRETE WALL 24" THICK.
 4. DENOTES CONCRETE BEAM 2'-0" WIDE x 3'-0" DEEP.
 5. DENOTES CONCRETE PIER 3'-0" x 3'-0" x 4'-0" DEEP.
 6. DENOTES CONTINUOUS FOOTING 2'-0" WIDE X 2'-0" DEEP.



STRUCTURAL ENGINEERS

1629 Telegraph Ave
Suite 300
Oakland, CA 94612
tel: 510.834.1629
ida-se.com
IDA PROJECT: 24006

NOLL & TAM ARCHITECTS

729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

JOB NO. 24600-01

LAS GALLINAS VALLEY SANITARY DISTRICT
MARIN COUNTY, CALIFORNIA

PHASE 1: PLANT UTILITIES RELOCATION
FOUNDATION PLAN
FOR REFERENCE ONLY

DESIGNED	DATE	1/4" = 1'-0"
CHECKED	DATE	05/05/25
GENERAL MANAGER	DESIGNER/ENGINEER	

NO.	DATE	DESCRIPTION

SCALE	PRICE	\$2.00
-------	-------	--------

5/22/2025 10:21:23 AM Autodesk® AutoCAD LT 2025 Multipurpose Bldg1 Civil Multipurpose Bldg1.rvt