

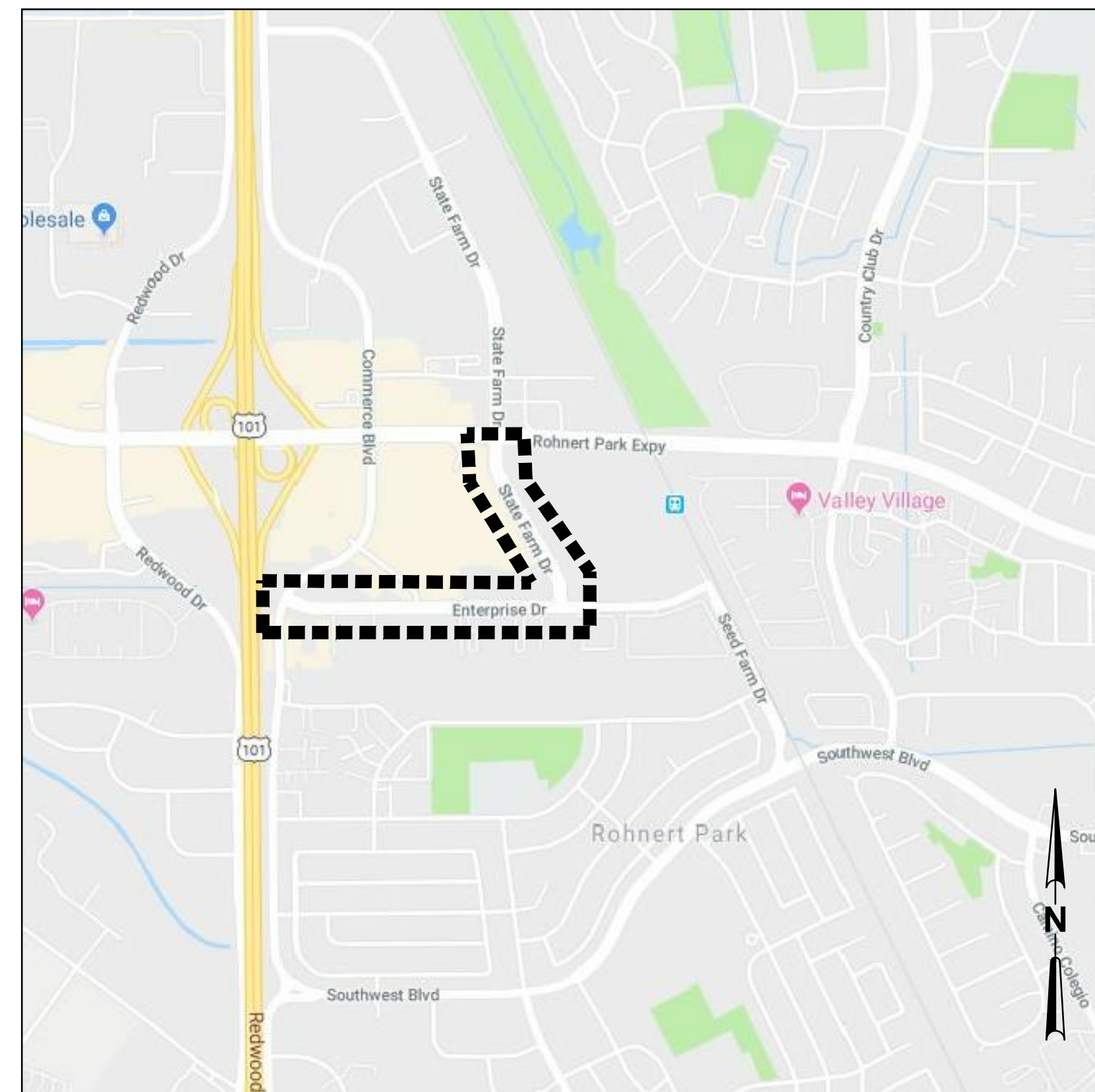
CITY OF ROHNERT PARK

DOWNTOWN INFRASTRUCTURE IMPROVEMENTS

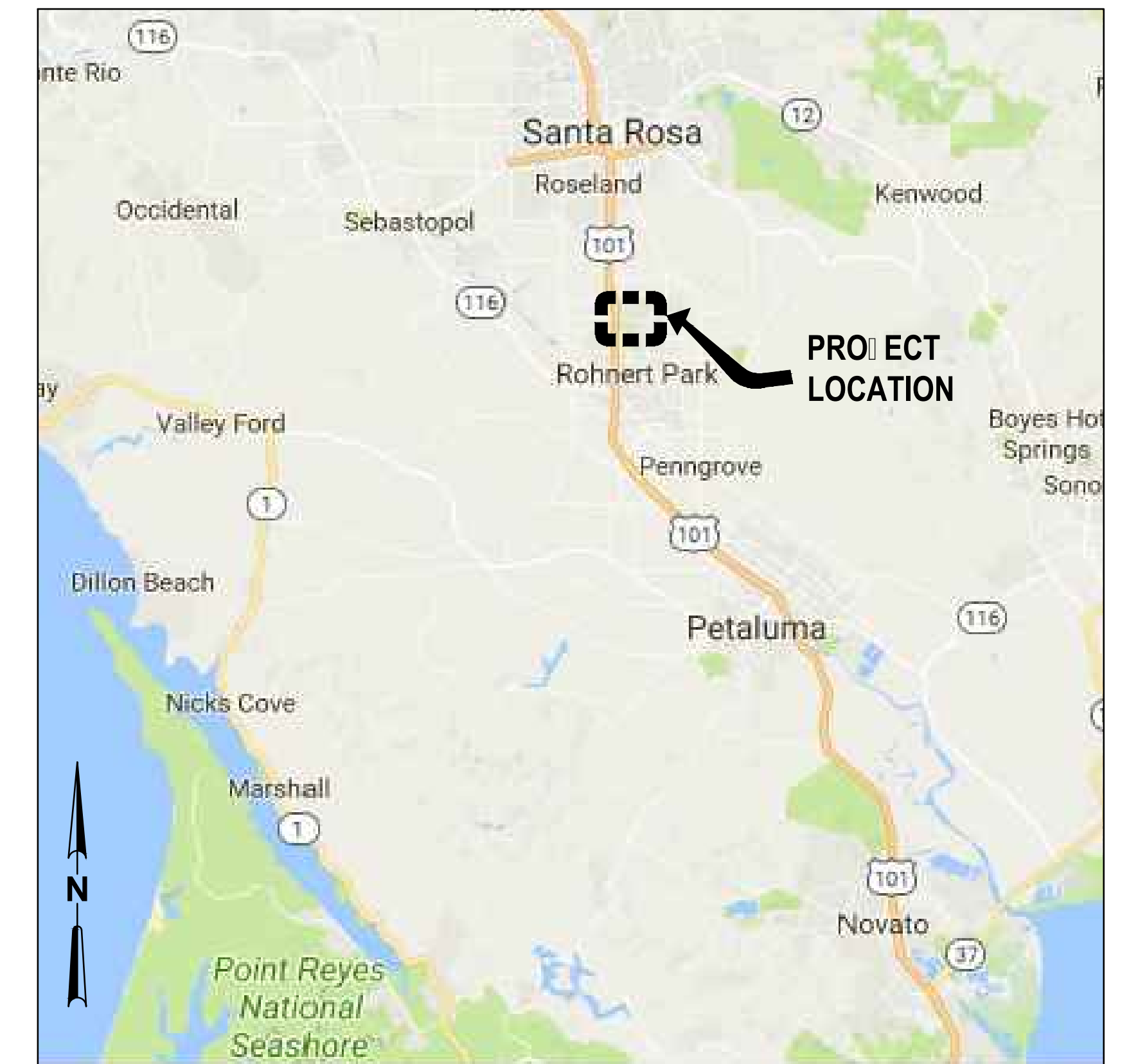
PROJECT # 2018-40 + 2018-43



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PROJECT LIMITS



VICINITY MAP

\\GHDNET\GHD\US\SANTA ROSA\PROJECTS\1111111187329 RP DOWNTOWN SEWER IMP\06-CAD\SHEETS\1187329 G-001

CITY OF ROHNERT PARK

130 AVRAM AVENUE
ROHNERT PARK, CALIFORNIA 94928
PHONE: (707) 588-2232 FAX: (707) 794-9242



REV. NO.	DATE	DESCRIPTION	BY



GHD Inc.
2235 Mercury Way Suite 150
Santa Rosa California 95407 USA
T 1 707 523 1010 F 1 707 527 8679 W www.ghd.com

RECORD DRAWING MAY 26, 2020

THESE RECORD DOCUMENTS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. THE CONSULTANT HAS NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY BE INCORPORATED AS A RESULT OF ERRONEOUS INFORMATION PROVIDED BY OTHERS.

CITY OF ROHNERT PARK DOWNTOWN INFRASTRUCTURE IMPROVEMENTS Project No. 2018 - 40 + 2018 - 43

COVER SHEET, LIST OF DRAWINGS,
AREA MAP, & LOCATION MAP

DESIGNED BY: MS
DRAWN BY: BM
CHECKED BY: SG
DATE: 02-01-2020
PROJECT: 11187329
DWG NO: G-001
SHEET
1 OF 37
SHEETS

SHEET NOTES

1. BASIS OF BEARINGS: THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA COORDINATE SYSTEM, ZONE II, NAD 83.
2. BENCHMARK: PT NO. 254, FOUND 3/4" IRON PIPE WITH 2" ALUMINUM CAP STAMPED "SONOMA MARIN AREA RAIL TRANSIT PROJECT CONTROL PLS 7935", AS SHOWN ON 741 MAPS, PAGES 1-24, SONOMA COUNTY RECORDS. ELEVATION 108.02.
3. FIELD TOPOGRAPHIC SURVEY WAS COMPLETED BY RICHARD MADDOCK, P.L.S 8131 IN DECEMBER 2018 - FEBRUARY 2019.
4. VERIFICATION OF EXISTING TOPOGRAPHIC FEATURES AND UTILITIES SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
5. ALL ELEVATION INFORMATION IS IN FEET AND DECIMAL THEREOF.

LOCATION OF EXISTING UTILITIES AND STRUCTURES ARE FROM THE BEST INFORMATION AVAILABLE. EXACT LOCATION AND COMPLETENESS ARE NOT GUARANTEED. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICES ALERT (800) 227-2800 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION AND POTHOLE FOR EXACT LOCATION.

△ CONTROL POINT DATA

NO.	ELEVATION	DESCRIPTION	NORTHING	EASTING
7002	98.52	SET MAG	1888082.39	6358553.43
20001	101.44	SET NAIL	1888146.65	6359743.93
4300	101.87	SET MAG	1888081.30	6360172.76
25	102.74	SET MAG	1888086.40	6360414.70
20051	100.80	SET MAG	1888324.45	6359645.33
20137	100.89	SET MAG	1888721.44	6359423.76
20225	101.21	FND X 121	1888767.92	6359393.93
20401	100.24	SET MAG	1889154.11	6359177.64
20533	101.03	FND AERIAL X	1889213.45	6359195.76
20497	101.31	SET SCRIBED X	1889449.20	6359242.14

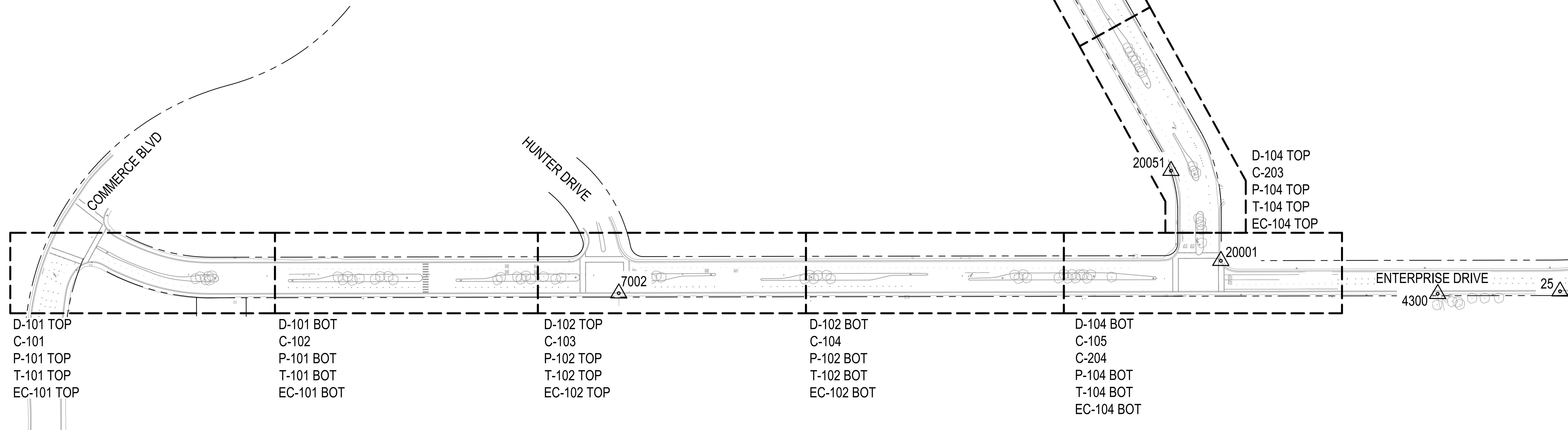
ROHNERT PARK EXPY

D-103 TOP
C-201
P-103 TOP
T-103 TOP
EC-103 TOP

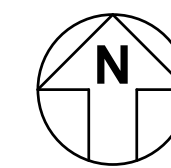
STATE FARM DRIVE

D-103 BOT
C-202
P-103 BOT
T-103 BOT
EC-103 BOT

D-104 TOP
C-203
P-104 TOP
T-104 TOP
EC-104 TOP



1 KEY MAP
1"=100'



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**CITY OF ROHNERT PARK
DOWNTOWN INFRASTRUCTURE IMPROVEMENTS**

Project No. 2018 - 40 + 2018 - 43

KEY MAP & SURVEY CONTROL DIAGRAM

DESIGNED BY: MS
DRAWN BY: BM
CHECKED BY: SG
DATE: 02-01-2020
PROJECT: 11187329
DWG NO: G-002
SHEET

2 OF 37
SHEETS

I:\GHD\NET\GHD\US\SANTA ROSA\PROJECTS\111111111187329 RP DOWNTOWN SEWER IMP\06-CADD\SHEETS\11187329 G-002

LEGEND

EXISTING	PROPOSED	
-100-	W	POTABLE WATER LINE
ROW	SS	SANITARY SEWER LINE
SUBJECT PROPERTY BOUNDARY	S	SEWER MANHOLE
G	CO	SANITARY SEWER CLEANOUT
OHE	X	GATE VALVE
OHT	U	UTILITY STUB
OHU	B-1	BORING LOCATION
OHE-HV	X1	POTHOLE LOCATION
OHU-HV		
SD		
SS		
W		
UGTS		
O		
X		
JT		
PERIMETER OF BUILDING		
+100.00		
CO		
SS		
SU		
O		
I		
DS		
W		
H		
V		
M		
X		
E		
PS&E		
LID		
P/P		
J/P		
S		
TP		
LB		
S		
T		
C		
TEL		
A		
M		
O		
BIR		
B.O.		
O		

GENERAL NOTES

- ALL WORKMANSHIP, MATERIALS, AND CONSTRUCTION SHALL CONFORM TO THE MOST RECENT VERSION OF THE CITY OF ROHNERT PARK STANDARD PLANS, CONSTRUCTION SPECIFICATIONS, AND DESIGN AND CONSTRUCTION STANDARDS AND THE STATE STANDARD SPECIFICATIONS AND STANDARD PLANS, UNLESS OTHERWISE NOTED. WORKING HOURS PER THE CITY OF ROHNERT PARK MUNICIPAL CODE.
- THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THE PLANS ARE BASED ON THE BEST AVAILABLE INFORMATION. THE CITY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THIS INFORMATION OR THE INADVERTENT OMISSION OF ANY SUCH INFORMATION.
- PRIOR TO COMMENCING WORK ON THIS PROJECT, THE CONTRACTOR SHALL CALL: PACIFIC GAS & ELECTRIC CO. (GAS AND ELECTRICAL), AT&T BROADBAND (COMMUNICATION), COMCAST (CABLE), SONOMA COUNTY WATER AGENCY, CITY OF ROHNERT PARK - UTILITIES (WATER, SEWER, RECYCLED WATER, STORM DRAIN, TRAFFIC SIGNALS)
- THE CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT (USA) AT (800) 227-2260 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION FOR MARKOUTS OF EXISTING UNDERGROUND FACILITIES.
- ANY DAMAGES TO CITY OR OTHER UTILITIES CAUSED BY PROJECT OPERATIONS SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- NO CONSTRUCTION SHALL COMMENCE WITHOUT PRIOR APPROVAL OF THE CITY OF ROHNERT PARK'S CITY ENGINEER.
- THE CONTRACTOR SHALL OBTAIN A TRENCH SAFETY PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY PRIOR TO EXCAVATION OF ANY TRENCH GREATER THAN 5-FEET DEEP.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMMEDIATE OFF-SITE DISPOSAL OF ALL REMOVED OR DEMOLISHED BITUMINOUS PAVEMENT, CONCRETE, REINFORCEMENT, AND SPOILS AS REQUIRED BY THE ENGINEER AND PER SPECIFICATIONS.
- ALL LANDSCAPING AND IRRIGATION SYSTEMS OR OTHER PRIVATE IMPROVEMENTS DISTURBED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED IN KIND OR AS DIRECTED BY THE ENGINEER.
- EXISTING SHRUBBERY AND TREES SHALL BE REMOVED ONLY AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL MAINTAIN REASONABLE ACCESS TO ALL DRIVEWAYS DURING CONSTRUCTION.
- ALL TRENCHES SHALL BE PAVED AT THE END OF EACH WORKING DAY PER SPECIFICATIONS, UNLESS APPROVED BY THE ENGINEER IN ADVANCE.
- ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CALIFORNIA DEPARTMENT OF TRANSPORTATION MANUAL OF TRAFFIC FOR CONSTRUCTION AND MAINTENANCE OF WORK ZONES, CITY OF ROHNERT PARK TRAFFIC STANDARDS SECTION V, AND CITY OF ROHNERT PARK TRAFFIC STANDARD PLANS 700 THROUGH 741. ALL SIGNS SHALL BE APPROPRIATELY CONSTRUCTED WITH REFLECTIVE MATERIAL ON A BACKING OF METAL OR FABRIC (NO WOOD OR PLASTIC ALLOWED) AND SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION TO PROVIDE PROPER VISIBILITY. SEE SPECIFICATIONS AND TRAFFIC CONTROL SHEETS FOR ADDITIONAL REQUIREMENTS.
- THE CONTRACTOR SHALL HAVE THE CLASS OF LICENSE SPECIFIED IN THE NOTICE TO CONTRACTORS.
- CONTRACTOR SHALL PROTECT ALL UTILITIES DURING CONSTRUCTION FROM CONSTRUCTION AND NON-CONSTRUCTION IMPACTS. SPECIAL CONSIDERATION SHALL BE MADE AND IMPLEMENTED FOR SHALLOW EXISTING AND NEW UTILITIES, AT CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL COORDINATE WITH THE CITY OF ROHNERT PARK FOR FINAL INSPECTION OF ALL SEWER MAINS. CONTRACTOR SHALL CLEAN, MANDREL, AND TV ALL SEWER MAINS PRIOR TO CITY ACCEPTANCE. PROVIDE A DVD TO THE CITY INSPECTOR FOR APPROVAL.
- SHOP DRAWINGS FOR PRECAST MANHOLE BASES SHALL BE SUBMITTED TO THE CITY FOR APPROVAL PRIOR TO CONSTRUCTION.
- POTABLE WATER SERVICES AND SEWER LATERALS SHALL BE SEPARATED HORIZONTALLY BY A MINIMUM OF FIVE (5) FEET PER CITY OF ROHNERT PARK STANDARDS.
- CAUTION SHALL BE EXERCISED WHEN DIGGING WITHIN THE DRIPLINE OF ANY TREE. ROOTS LARGER THAN 2 INCHES SHALL NOT BE CUT WITHOUT PERMISSION FROM THE ENGINEER. IN THE EVENT THAT A TREE ROOT LARGER THAN 2 INCHES NEEDS TO BE REMOVED, THE ROOT PRUNING SHALL BE PERFORMED BY A CITY APPROVED LICENSED ARBORIST ONLY. CONTACT THE CITY PUBLIC WORKS DEPARTMENT FOR A LIST OF APPROVED ARBORISTS.
- CONTRACTOR SHALL PROTECT AND PRESERVE CITY SURVEY MONUMENTS. IF NOT POSSIBLE, CONTRACTOR SHALL COORDINATE 10 DAYS IN ADVANCE WITH CITY OF ROHNERT PARK SURVEYOR FOR REFERENCING OF EXISTING MONUMENTS PRIOR TO WORK IN THE AREA. IF MONUMENT(S) ARE DISTURBED CONTRACTOR SHALL RECONSTRUCT PER CITY STD 280 AT OWN EXPENSE.
- ALL SSMH'S AND MAINLINE CLEANOUTS SHALL BE BROUGHT TO GRADE WITHIN 5 DAYS OF PAVING.
- PROVIDE 12-INCH MINIMUM CLEARANCE BETWEEN WYES ON ALL S.S. MAINS MEASURED FROM INSTALLED BELL END TO INSTALLED BELL END.
- OVERHEAD UTILITY SERVICE DROPS TO RESIDENCES ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL INVESTIGATE THE SITE AND BE AWARE OF LIMITED OVERHEAD CLEARANCES.
- CONTRACTOR SHALL PROTECT AND PRESERVE EXISTING IMPROVEMENTS IF POSSIBLE OR REPLACE IN KIND. CONTRACTOR SHALL ALSO PROTECT NEW IMPROVEMENTS DURING CONSTRUCTION ACTIVITIES, INCLUDING SHALLOW UTILITIES. CONTRACTOR SHALL NOTE THE LOCATION OF SHALLOW UTILITIES (ALL WITH LESS THAN TWO FEET OF TEMPORARY OR PERMANENT COVER) SUCH THAT THE LOCATION CAN BE OBSERVED AT THE GROUND SURFACE. CONTRACTOR SHALL PROVIDE MATERIALS AND LABOR TO PROTECT UTILITIES FOR THE DURATION OF THE PROJECT.
- ALL SERVICE CONNECTIONS ARE NOT SHOWN. CONTRACTOR TO LOCATE AND POTHOLE PRIOR TO CONSTRUCTION.
- CONTRACTOR RESPONSIBLE FOR SECURING A CONSTRUCTION STAGING AREA.
- CONTRACTOR TO HAVE SIGNED PERMITS AND CONTRACT DOCUMENTS ON-SITE DURING CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE CM A CLEAN SET OF REDLINED DRAWINGS REFLECTING THE "AS-BUILT" CONDITION.
- CONTRACTOR IS RESPONSIBLE FOR CONDUCTING A BIRD SURVEY PRIOR TO STARTING WORK, MAXIMUM ONE WEEK PRIOR TO STARTING WORK.
- CONTRACTOR SHALL CONDUCT SITE SPECIFIC PRECONSTRUCTION NESTING BIRD SURVEY AND IMPLEMENT PROTECTIVE ACTIONS IF ACTIVE NESTS ARE DETECTED.
- CONTRACTOR SHALL IMPLEMENT BAAQMD BASIC CONSTRUCTION CONTROL MEASURES AT ALL TIMES.
- CONTRACTOR SHALL IMPLEMENT APPLICABLE BAAQMD ODOR MITIGATION MEASURES IF ODOR IS IDENTIFIED DUE TO CONSTRUCTION OPERATIONS.
- NO TREES SHALL BE REMOVED UNTIL THE CONTRACTOR PROVIDES A TREE MITIGATION AND REPLACEMENT PLAN AND THE CITY APPROVES.
- IF DURING CONSTRUCTION, CULTURAL RESOURCES ARE DISCOVERED, WORK SHALL STOP IMMEDIATELY WITHIN 100' OF THE AREA AND THE ENGINEER SHALL BE CONTACTED IMMEDIATELY. ALL APPROPRIATE FEDERAL, STATE, AND LOCAL REGULATIONS REGARDING CULTURAL RESOURCES SHALL BE CLOSELY ADHERED TO BY CONTRACTOR.
- ALL WORK SHALL BE DONE BETWEEN THE HOURS OF 8 AM AND 6 PM WITHIN 500 FEET OF RESIDENTIAL, WITH THE EXCEPTION OF SEWER AND WATER TIE-INS.

SEWER GENERAL NOTES

- THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF ROHNERT PARK FOR FINAL INSPECTION OF ALL SEWER MAINS AND LATERALS.
- ALL NEWLY INSTALLED SEWER MAINS SHALL BE TELEVISED. THE TELEVISION SHALL TAKE PLACE AFTER TRENCH COMPACTION AND PRIOR TO FINAL TRENCH PAVING. TELEVISION SHALL BE IN COLOR CD/DVD FORMAT WITH AUDIO LOG OF THE INSPECTION AND A TYPE WRITTEN REPORT. CD/DVD RECORDING AND CORRESPONDING REPORT SHALL BE DELIVERED TO THE CITY UPON COMPLETION. FINAL PAVING SHALL NOT COMMENCE WITHOUT ACCEPTANCE OF THE TELEVISION INSPECTION.
- PROVIDE 12 INCH MINIMUM CLEARANCE BETWEEN WYES ON ALL SS MAINS AS MEASURED BETWEEN ADJACENT BELL ENDS.
- A TWO WAY CLEAN OUT SHALL BE INSTALLED ON ALL SEWER LATERALS WITH LESS THAN 5 FEET OF COVER, AS MEASURED AT CLEANOUT, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- ALL SEWER LATERALS SHALL BE INSTALLED PERPENDICULAR TO THE CURB, UNLESS OTHERWISE SHOWN ON THE PLANS. ANY LATERAL THAT IS NOT INSTALLED PERPENDICULAR TO THE CURB MUST HAVE ONE CONTINUOUS PIECE OF NO. 12 INSULATED COPPER WIRE INSTALLED IN THE FOLLOWING MANNER: 1. WRAP WIRE TWO TIMES AROUND WYE CONNECTION AT THE MAIN AND SECURE. 2. LAY BOTH ENDS ON TOP OF AND ALONG THE LATERAL TO THE CLEAN OUT AND UP THE CLEANOUT RISER. 3. BOTH ENDS OF WIRE SHALL EXTEND APPROXIMATELY 6 INCHES BEYOND THE RISER. SECURE WIRE TO LATERAL AT APPROXIMATELY 5 FOOT INTERVALS. ENDS OF WIRE MUST BE EASILY ACCESSIBLE INSIDE THE CLEAN OUT BOX, AND BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
- CONTRACTOR SHALL REPLACE ANY STRIPING DAMAGED FROM TRENCHING.

WATER GENERAL NOTES

- WATER SERVICE SHUTDOWNS SHALL BE LIMITED TO NIGHT WORK, AND SHALL NOT EXTEND BEYOND 8-HOUR DURATION. ANY MAIN SHUT DOWNS, INCLUDING SCHOOL SERVICES REQUIRE SCHEDULING DURING NON-SCHOOL HOURS. WATER SERVICE MUST BE PROVIDED FOR SCHOOLS DURING SCHOOL HOURS AND RETAIL DURING BUSINESS HOURS.
- DOOR HANGARS NOTIFYING WATER CUSTOMERS OF TEMPORARY SERVICE SHUTDOWNS SHALL BE PROVIDED MIN. 48 HOURS IN ADVANCE OF SHUTDOWN.
- ONLY CITY PUBLIC WORKS DEPARTMENT PERSONNEL SHALL OPERATE VALVES ON EXISTING WATER MAINS OR WATER SERVICES.
- SERVICES OTHER THAN THOSE SHOWN OR NOTED ON THE PLANS SHALL NOT BE INSTALLED PRIOR TO OBTAINING CITY ENGINEER APPROVAL.
- WITHIN 5 WORKING DAYS OF PAVING, ALL WATER VALVE BOXES WILL BE BROUGHT TO GRADE AND INSPECTED.
- ALL WATER SERVICE CONSTRUCTION SHALL BE PERFORMED PER CITY DESIGN AND CONSTRUCTION STANDARDS.
- THE CITY PUBLIC WORKS DEPARTMENT PERSONNEL SHALL OVERSEE ALL OPERATIONS ON VALVES AND CONNECTIONS MADE BY THE CONTRACTOR FOR THE EXISTING WATER SYSTEM. 48 HOURS NOTIFICATION IS REQUIRED.
- SEE ENGINEER'S APPROVED LIST FOR WATER SERVICE COMPONENTS.

EROSION CONTROL NOTES

- ALL GRADING WORK SHALL BE PROTECTED BY SILT FENCING IN A MANNER TO MINIMIZE EROSION AND COLLECT SEDIMENT.
- THIS PLAN IS INTENDED FOR EROSION CONTROL ONLY. SEE GRADING PLAN FOR SLOPE INFORMATION.
- ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED. CHANGES TO THIS PLAN TO MEET FIELD CONDITIONS WILL BE MADE ONLY WITH THE APPROVAL OF, OR AT THE DIRECTION OF THE OWNER. CHANGES MADE TO SUIT FIELD CONDITIONS WILL BE MADE ONLY WITH THE APPROVAL OF OR AT THE DIRECTION OF THE OWNER. CHANGES MADE TO SUIT FIELD CONDITIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER AND OWNER.
- ALL EROSION CONTROL FACILITIES MUST BE INSPECTED AND REPAIRED AT THE END OF EACH WORKING DAY.
- IF SIGNIFICANT SEDIMENT OR OTHER VISUAL SYMPTOMS OF IMPURITIES ARE NOTICED IN THE STORM WATER, CONTACT THE ENGINEER IMMEDIATELY.
- CONTRACTOR IS RESPONSIBLE FOR INSPECTION AND RESTORATION OF ALL ASPECTS OF THE EROSION & SEDIMENTATION CONTROL PLAN. SEDIMENT ON THE SIDEWALKS AND GUTTERS SHALL BE REMOVED BY SHOVEL OR BROOM AND DISPOSED.
- ALL EMPLOYEES, CONTRACTORS, AND SUBCONTRACTORS ARE RESPONSIBLE FOR CONFORMING TO THE ELEMENTS SHOWN ON THIS PLAN OR RELATED DOCUMENTS.
- CONTRACTOR TO EMPLOY BEST MANAGEMENT PRACTICES (BMP'S) IN ACCORDANCE WITH THE CITY OF ROHNERT PARK.
- ALL DUMPSTERS OR OTHER TRASH STORAGE ENCLOSURES SHALL BE UTILIZED SOLELY FOR NON-HAZARDOUS MATERIALS.
- ALL PAVED AREAS WILL BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS AND THE SITE SHALL BE MAINTAINED SO THAT A MINIMUM OF SEDIMENT-LADEN RUNOFF ENTERS THE STORM DRAIN SYSTEM. THESE PLANS SHALL REMAIN IN EFFECT UNTIL THE IMPROVEMENTS ARE ACCEPTED AND ALL SLOPES ARE STABILIZED.
- NO STOCKPILING IS ALLOWED UNLESS APPROVED BY THE CITY. IF ALLOWED, BORROW AREAS AND TEMPORARY STOCKPILES SHALL BE PROTECTED WITH APPROPRIATE EROSION CONTROL MEASURES.
- REMOVE SPOILS PROMPTLY AND AVOID STOCKPILING OF FILL MATERIALS WHEN RAIN IS FORECAST. IF RAIN IS FORECAST OR APPARENT, STOCKPILED SOILS AND OTHER MATERIALS SHALL BE COVERED WITH PLASTIC OR A TARP.
- STORE, HANDLE AND DISPOSE OF CONSTRUCTION MATERIALS AND WASTES SO AS TO PREVENT THEIR ENTRY INTO THE STORM DRAIN SYSTEM. CONTRACTOR MUST NOT ALLOW CONCRETE, WASHWATERS, SLURRIES, PAINT OR OTHER MATERIALS TO ENTER THE CATCH BASINS, STORM DRAINAGE, OR ENTER SITE RUNOFF.
- USE FILTRATION OR OTHER APPROVED MEASURES TO REMOVE SEDIMENT FROM DEWATERING EFFLUENT.
- NO CLEANING, FUELING OR MAINTAINING VEHICLES ON SITE SHALL BE PERMITTED. DO NOT ALLOW DELETERIOUS MATERIALS TO ENTER THE CATCH BASINS, STORM DRAINAGE, OR TO ENTER SITE RUNOFF. ALL CONCRETE WASHOUT SHALL OCCUR OFF-SITE.
- EROSION CONTROL MEASURES TO BE EMPLOYED PER CITY OF ROHNERT PARK REQUIREMENTS.

\\GHD\NET\GHD\US\SANTA ROSA\PROJECTS\11111187329 RP DOWNTOWN SEWER IMP\06-CADD\SHEETS\11187329 G-003 THRU G-004

CITY OF ROHNERT PARK

130 AVRAM AVENUE
ROHNERT PARK, CALIFORNIA 94928
PHONE: (707) 588-2232 FAX: (707) 794-9242



REV. NO.	DATE	DESCRIPTION	BY

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Santa Rosa California 95407 USA
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CITY OF ROHNERT PARK
DOWNTOWN INFRASTRUCTURE IMPROVEMENTS
Project No. 2018 - 40 + 2018 - 43

NOTES, ABBREVIATIONS, & LEGEND 2

DESIGNED BY:	MS
DRAWN BY:	BM
CHECKED BY:	SG
DATE:	02-01-2020
PROJECT:	11187329
DWG NO:	G-004
SHEET	
4 OF 37	
SHEETS	

POTHOLE SCHEDULE

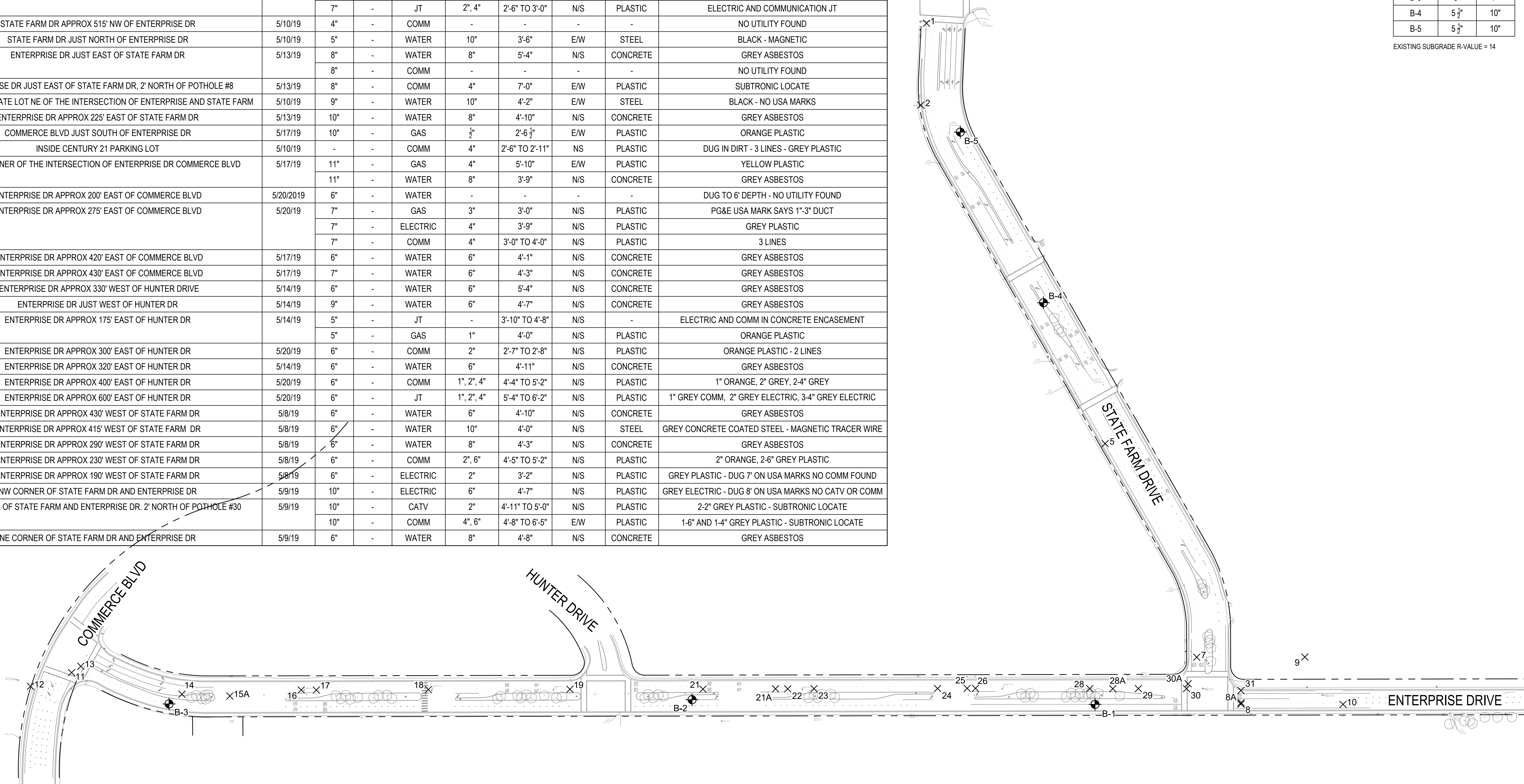
POTHOLE NUMBER	LOCATION	DATE OF POTHOLE	THICKNESS		UTILITY				PIPE MATERIAL	REMARKS
			AC	AB	TYPE	SIZE	COVER	DIRECTION		
1	WEST SIDE OF STATE FARM DRIVE JUST SOUTH OF ROHNERT PARK EXPRESSWAY	5/21/19	6"	-	WATER	8"	4'-10"	N/S	CONCRETE	GREY ASBESTOS
2	WEST SIDE OF STATE FARM DR APPROX 175' SOUTH OF ROHNERT PARK EXPRESSWAY	5/21/19	7"	-	WATER	8"	5'-4"	E/W	CONCRETE	CONCRETE NOT AB - GREY ASBESTOS
			7"	-	JT	2", 4"	2'-6" TO 3'-0"	N/S	PLASTIC	ELECTRIC AND COMMUNICATION JT
5	STATE FARM DR APPROX 515' NW OF ENTERPRISE DR	5/10/19	4"	-	COMM	-	-	-	-	NO UTILITY FOUND
7	STATE FARM DR JUST NORTH OF ENTERPRISE DR	5/10/19	5"	-	WATER	10"	3'-6"	E/W	STEEL	BLACK - MAGNETIC
8	ENTERPRISE DR JUST EAST OF STATE FARM DR	5/13/19	8"	-	WATER	8"	5'-4"	N/S	CONCRETE	GREY ASBESTOS
			8"	-	COMM	-	-	-	-	NO UTILITY FOUND
8A	ENTERPRISE DR JUST EAST OF STATE FARM DR, 2' NORTH OF POTHOLE #8	5/13/19	8"	-	COMM	4"	7'-0"	E/W	PLASTIC	SUBTRONIC LOCATE
9	INSIDE OF PRIVATE LOT NE OF THE INTERSECTION OF ENTERPRISE AND STATE FARM	5/10/19	9"	-	WATER	10"	4'-2"	E/W	STEEL	BLACK - NO USA MARKS
10	ENTERPRISE DR APPROX 225' EAST OF STATE FARM DR	5/13/19	10"	-	WATER	8"	4'-10"	N/S	CONCRETE	GREY ASBESTOS
11	COMMERCE BLVD JUST SOUTH OF ENTERPRISE DR	5/17/19	10"	-	GAS	1/2"	2'-6 1/2"	E/W	PLASTIC	ORANGE PLASTIC
12	INSIDE CENTURY 21 PARKING LOT	5/10/19	-	-	COMM	4"	2'-6" TO 2'-11"	NS	PLASTIC	DUG IN DIRT - 3 LINES - GREY PLASTIC
13	SOUTH CORNER OF THE INTERSECTION OF ENTERPRISE DR COMMERCE BLVD	5/17/19	11"	-	GAS	4"	5'-10"	E/W	PLASTIC	YELLOW PLASTIC
			11"	-	WATER	8"	3'-9"	N/S	CONCRETE	GREY ASBESTOS
14	ENTERPRISE DR APPROX 200' EAST OF COMMERCE BLVD	5/20/2019	6"	-	WATER	-	-	-	-	DUG TO 6' DEPTH - NO UTILITY FOUND
15A	ENTERPRISE DR APPROX 275' EAST OF COMMERCE BLVD	5/20/19	7"	-	GAS	3"	3'-0"	N/S	PLASTIC	PG&E USA MARK SAYS 1"-3" DUCT
			7"	-	ELECTRIC	4"	3'-9"	N/S	PLASTIC	GREY PLASTIC
			7"	-	COMM	4"	3'-0" TO 4'-0"	N/S	PLASTIC	3 LINES
16	ENTERPRISE DR APPROX 420' EAST OF COMMERCE BLVD	5/17/19	6"	-	WATER	6"	4'-1"	N/S	CONCRETE	GREY ASBESTOS
17	ENTERPRISE DR APPROX 430' EAST OF COMMERCE BLVD	5/17/19	7"	-	WATER	6"	4'-3"	N/S	CONCRETE	GREY ASBESTOS
18	ENTERPRISE DR APPROX 330' WEST OF HUNTER DRIVE	5/14/19	6"	-	WATER	6"	5'-4"	N/S	CONCRETE	GREY ASBESTOS
19	ENTERPRISE DR JUST WEST OF HUNTER DR	5/14/19	9"	-	WATER	6"	4'-7"	N/S	CONCRETE	GREY ASBESTOS
21	ENTERPRISE DR APPROX 175' EAST OF HUNTER DR	5/14/19	5"	-	JT	-	3'-10" TO 4'-8"	N/S	-	ELECTRIC AND COMM IN CONCRETE ENCASEMENT
			5"	-	GAS	1"	4'-0"	N/S	PLASTIC	ORANGE PLASTIC
21A	ENTERPRISE DR APPROX 300' EAST OF HUNTER DR	5/20/19	6"	-	COMM	2"	2'-7" TO 2'-8"	N/S	PLASTIC	ORANGE PLASTIC - 2 LINES
22	ENTERPRISE DR APPROX 320' EAST OF HUNTER DR	5/14/19	6"	-	WATER	6"	4'-11"	N/S	CONCRETE	GREY ASBESTOS
23	ENTERPRISE DR APPROX 400' EAST OF HUNTER DR	5/20/19	6"	-	COMM	1", 2", 4"	4'-4" TO 5'-2"	N/S	PLASTIC	1" ORANGE, 2" GREY, 2-4" GREY
24	ENTERPRISE DR APPROX 600' EAST OF HUNTER DR	5/20/19	6"	-	JT	1", 2", 4"	5'-4" TO 6'-2"	N/S	PLASTIC	1" GREY COMM, 2" GREY ELECTRIC, 3-4" GREY ELECTRIC
25	ENTERPRISE DR APPROX 430' WEST OF STATE FARM DR	5/8/19	6"	-	WATER	6"	4'-10"	N/S	CONCRETE	GREY ASBESTOS
26	ENTERPRISE DR APPROX 415' WEST OF STATE FARM DR	5/8/19	6"	-	WATER	10"	4'-0"	N/S	STEEL	GREY CONCRETE COATED STEEL - MAGNETIC TRACER WIRE
28	ENTERPRISE DR APPROX 290' WEST OF STATE FARM DR	5/8/19	6"	-	WATER	8"	4'-3"	N/S	CONCRETE	GREY ASBESTOS
28A	ENTERPRISE DR APPROX 230' WEST OF STATE FARM DR	5/8/19	6"	-	COMM	2", 6"	4'-5" TO 5'-2"	N/S	PLASTIC	2" ORANGE, 2-6" GREY PLASTIC
29	ENTERPRISE DR APPROX 190' WEST OF STATE FARM DR	5/8/19	6"	-	ELECTRIC	2"	3'-2"	N/S	PLASTIC	GREY PLASTIC - DUG 7' ON USA MARKS NO COMM FOUND
30	NW CORNER OF STATE FARM DR AND ENTERPRISE DR	5/9/19	10"	-	ELECTRIC	6"	4'-7"	N/S	PLASTIC	GREY ELECTRIC - DUG 8' ON USA MARKS NO CATV OR COMM
30A	NW CORNER OF STATE FARM AND ENTERPRISE DR, 2' NORTH OF POTHOLE #30	5/9/19	10"	-	CATV	2"	4'-11" TO 5'-0"	N/S	PLASTIC	2-2" GREY PLASTIC - SUBTRONIC LOCATE
			10"	-	COMM	4", 6"	4'-8" TO 6'-5"	E/W	PLASTIC	1-6" AND 1-4" GREY PLASTIC - SUBTRONIC LOCATE
31	NE CORNER OF STATE FARM DR AND ENTERPRISE DR	5/9/19	6"	-	WATER	8"	4'-8"	N/S	CONCRETE	GREY ASBESTOS

BORING SCHEDULE

BORING	AC	AB
B-1	4"	6"
B-2	4"	5"
B-3	5"	7"
B-4	5 1/2"	10"
B-5	5 1/2"	10"

EXISTING SUBGRADE R-VALUE = 14

ROHNERT PARK EXPY



1 POTHOLE SCHEDULE AND GEOTECHNICAL BORINGS
 1"=100'
 0 100' 200'

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CITY OF ROHNERT PARK

130 AVRAM AVENUE
 ROHNERT PARK, CALIFORNIA 94928
 PHONE: (707) 588-2232 FAX: (707) 794-9242



REV. NO.	DATE	DESCRIPTION	BY



GHD Inc.
 2235 Mercury Way Suite 150
 Santa Rosa California 95407 USA
 T 1 707 523 1010 F 1 707 527 8679 W www.ghd.com

**RECORD DRAWING
 MAY 26, 2020**

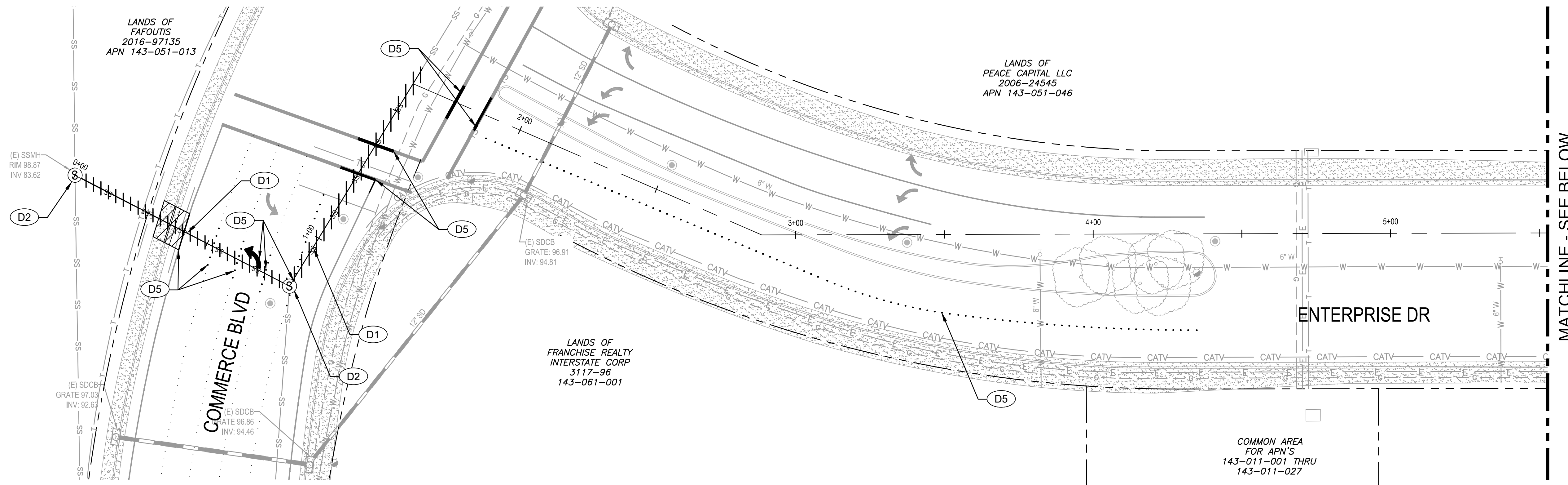
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**CITY OF ROHNERT PARK
 DOWNTOWN INFRASTRUCTURE IMPROVEMENTS
 Project No. 2018 - 40 + 2018 - 43**

POTHOLE SCHEDULE & GEOTECHNICAL BORINGS

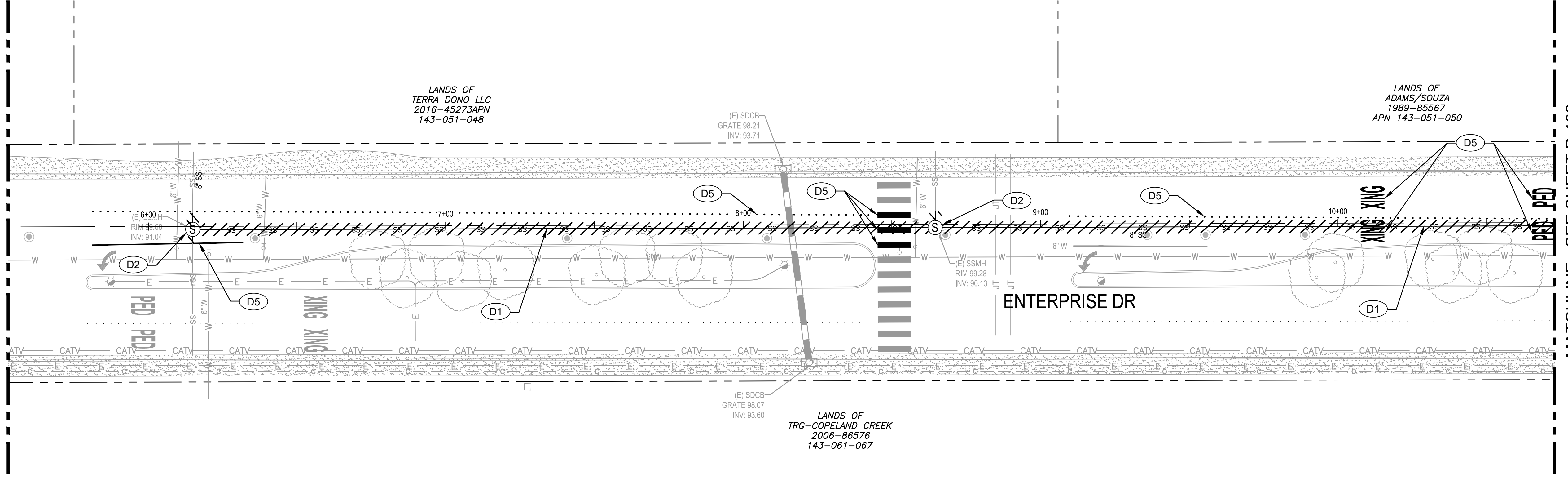
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DRAWN BY:	BM
CHECKED BY:	SG
DATE:	02-01-2020
PROJECT:	11187329
DWG NO:	G-005
SHEET	
5 OF 37	
SHEETS	

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1 PLAN - ENTERPRISE DRIVE
 1"=20'
 0 20' 40'

MATCHLINE - SEE BELOW



2 PLAN - ENTERPRISE DRIVE
 1"=20'
 0 20' 40'

MATCHLINE - SEE SHEET D-102

KEY NOTES	
D1	REMOVE (E) 8" SS.
D2	REMOVE (E) SSMH.
D3	ABANDON (E) W PER DETAIL 4/C-501. SEE PLAN FOR SIZE.
D4	REMOVE (E) W. SEE PLAN FOR SIZE.
D5	REMOVE (E) STRIPING/PAVEMENT MARKERS.
D6	REMOVE (E) FH ASSEMBLY AND 6" SERVICE LATERAL.
D7	REMOVE ABANDONED VALVE.
D8	REMOVE (E) SSSCO.
D9	REMOVE (E) FH ASSEMBLY AND ABANDON 6" SERVICE LATERAL.
D10	ABANDON 80 LF SS PIPE PER DETAIL 4/C-501.

LEGEND	
	REMOVE CONCRETE FLATWORK.
	REMOVE (E) UTILITY / FEATURE

SHEET NOTES	
1.	CONTRACTORS TO COORDINATE CONSTRUCTION ACTIVITIES WITH NEARBY CONSTRUCTION PROJECTS.
2.	OWNER/CONTRACTOR SHALL SUBMIT SALVAGE PLAN TO CITY PLANNING DEPARTMENT PRIOR TO BEGINNING DEMOLITION.

CITY OF ROHNERT PARK

130 AVRAM AVENUE
 ROHNERT PARK, CALIFORNIA 94928
 PHONE: (707) 588-2232 FAX: (707) 794-9242



REV. NO.	DATE	DESCRIPTION	BY

GHD Inc.
 2235 Mercury Way Suite 150
 Santa Rosa California 95407 USA
 T 1 707 523 1010 F 1 707 527 8679 W www.ghd.com

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CITY OF ROHNERT PARK
DOWNTOWN INFRASTRUCTURE IMPROVEMENTS
 Project No. 2018 - 40 + 2018 - 43

DEMOLITION PLAN 1

DESIGNED BY: MS
 DRAWN BY: BM
 CHECKED BY: SG
 DATE: 02-01-2020
 PROJECT: 11187329
 DWG NO: D-101
 SHEET

6 OF 37
 SHEETS

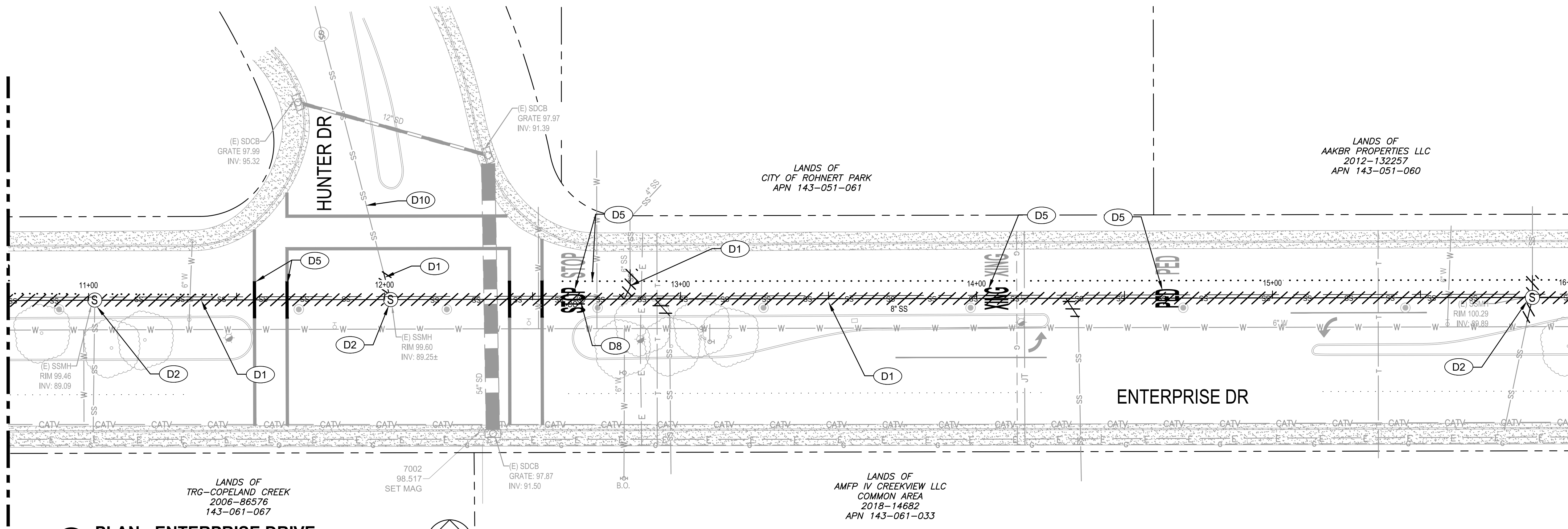
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MATCHLINE - SEE SHEET D-101

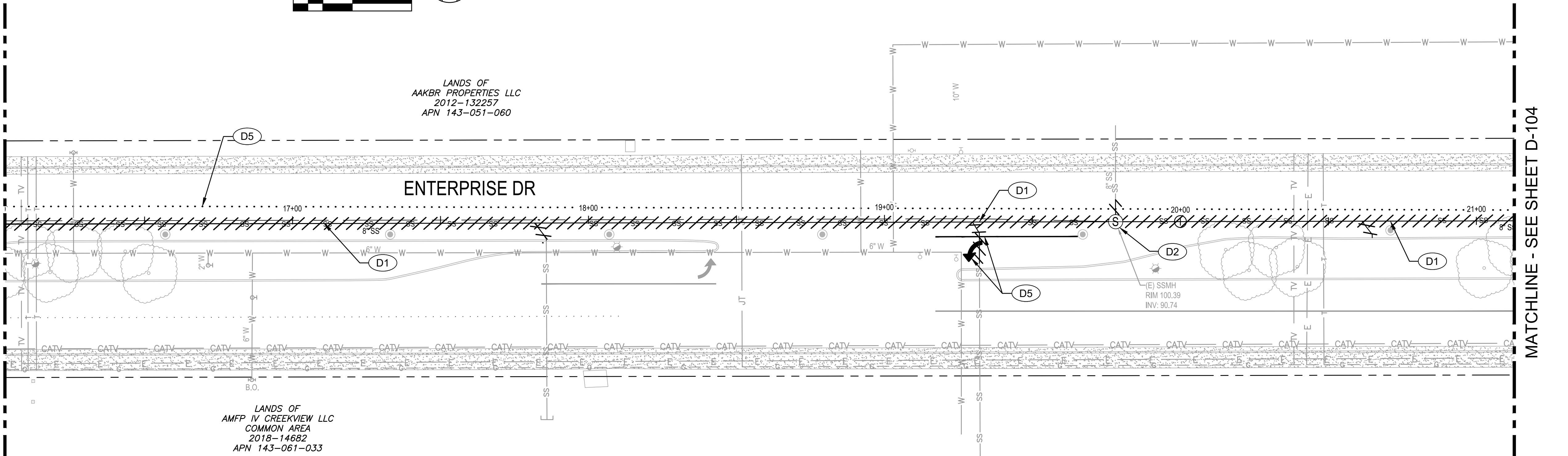
MATCHLINE - SEE ABOVE

MATCHLINE - SEE BELOW

MATCHLINE - SEE SHEET D-104



3 PLAN - ENTERPRISE DRIVE
1"=20'



4 PLAN - ENTERPRISE DRIVE
1"=20'

KEY NOTES	
D1	REMOVE (E) 8" SS.
D2	REMOVE (E) SSMH.
D3	ABANDON (E) W PER DETAIL 4/C-501. SEE PLAN FOR SIZE.
D4	REMOVE (E) W. SEE PLAN FOR SIZE.
D5	REMOVE (E) STRIPING/PAVEMENT MARKERS.
D6	REMOVE (E) FH ASSEMBLY AND 6" SERVICE LATERAL.
D7	REMOVE ABANDONED VALVE.
D8	REMOVE (E) SSCO.
D9	REMOVE (E) FH ASSEMBLY AND ABANDON 6" SERVICE LATERAL.
D10	ABANDON 80 LF SS PIPE PER DETAIL 4/C-501.

LEGEND	
	REMOVE CONCRETE FLATWORK.
	REMOVE (E) UTILITY / FEATURE

SHEET NOTES	
1.	CONTRACTORS TO COORDINATE CONSTRUCTION ACTIVITIES WITH NEARBY CONSTRUCTION PROJECTS.
2.	OWNER/CONTRACTOR SHALL SUBMIT SALVAGE PLAN TO CITY PLANNING DEPARTMENT PRIOR TO BEGINNING DEMOLITION.

CITY OF ROHNERT PARK

130 AVRAM AVENUE
ROHNERT PARK, CALIFORNIA 94928
PHONE: (707) 588-2232 FAX: (707) 794-9242



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GHD Inc.
2235 Mercury Way Suite 150
Santa Rosa California 95407 USA
T 1 707 523 1010 F 1 707 527 8679 W www.ghd.com

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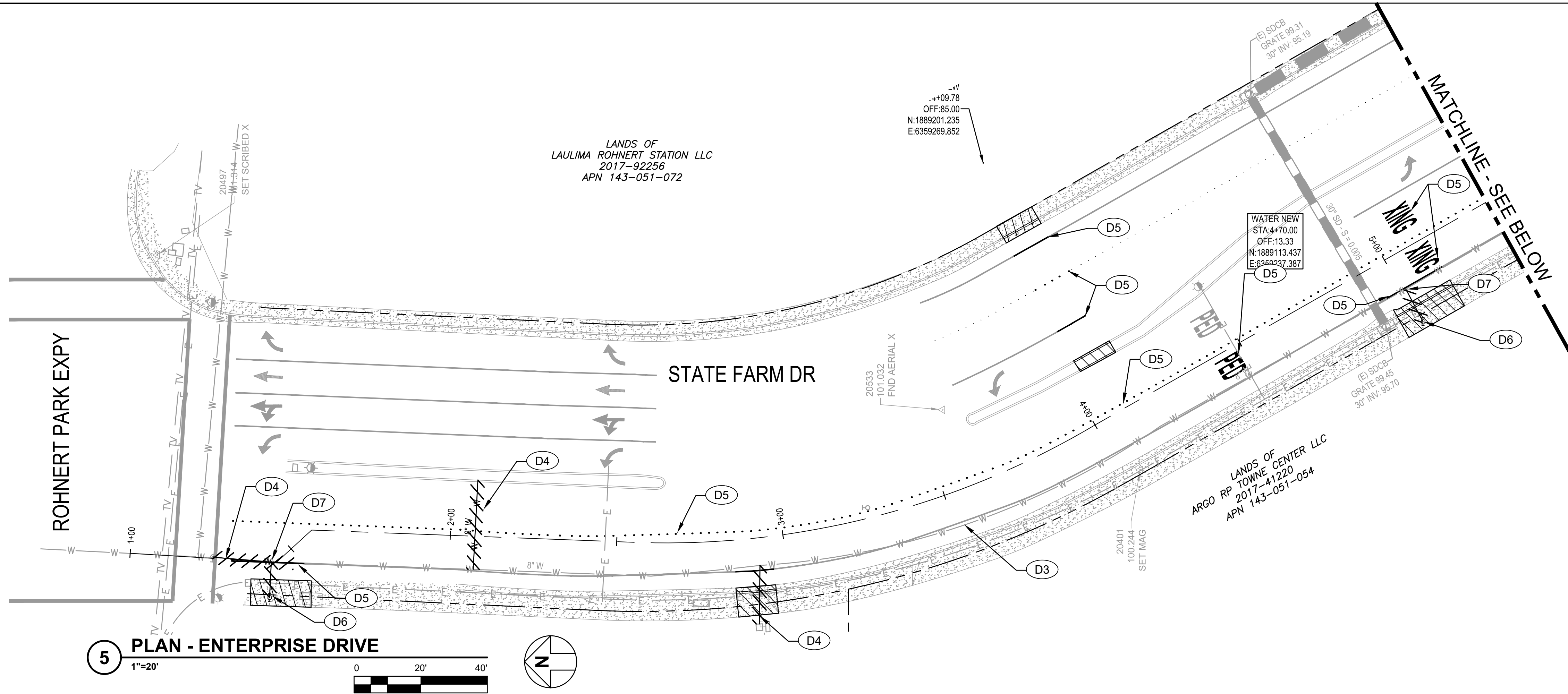
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CITY OF ROHNERT PARK DOWNTOWN INFRASTRUCTURE IMPROVEMENTS Project No. 2018 - 40 + 2018 - 43

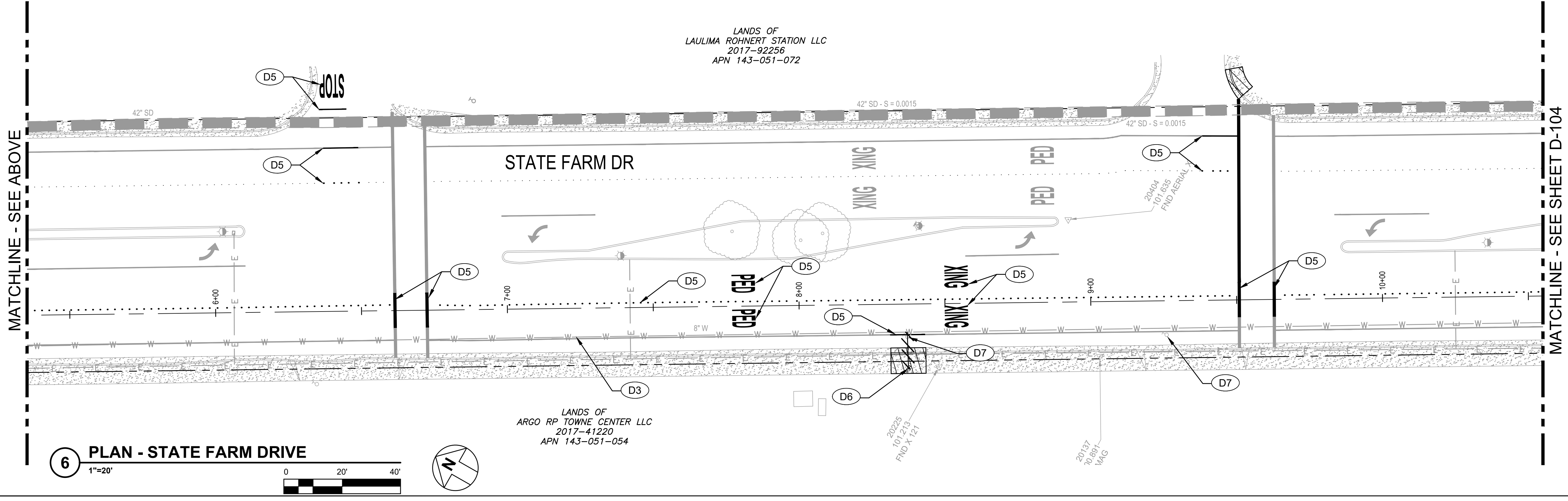
DEMOLITION PLAN 2

DESIGNED BY: MS
DRAWN BY: BM
CHECKED BY: SG
DATE: 02-01-2020
PROJECT: 11187329
DWG NO: D-102
SHEET

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5 PLAN - ENTERPRISE DRIVE



6 PLAN - STATE FARM DRIVE

KEY NOTES	
D1	REMOVE (E) 8" SS.
D2	REMOVE (E) SSMH.
D3	ABANDON (E) W PER DETAIL 4/C-501. SEE PLAN FOR SIZE.
D4	REMOVE (E) W. SEE PLAN FOR SIZE.
D5	REMOVE (E) STRIPING/PAVEMENT MARKERS.
D6	REMOVE (E) FH ASSEMBLY AND 6" SERVICE LATERAL.
D7	REMOVE ABANDONED VALVE.
D8	REMOVE (E) SSCO.
D9	REMOVE (E) FH ASSEMBLY AND ABANDON 6" SERVICE LATERAL.
D10	ABANDON 80 LF SS PIPE PER DETAIL 4/C-501.

LEGEND	
	REMOVE CONCRETE FLATWORK.
	REMOVE (E) UTILITY / FEATURE

SHEET NOTES	
1.	CONTRACTORS TO COORDINATE CONSTRUCTION ACTIVITIES WITH NEARBY CONSTRUCTION PROJECTS.
2.	OWNER/CONTRACTOR SHALL SUBMIT SALVAGE PLAN TO CITY PLANNING DEPARTMENT PRIOR TO BEGINNING DEMOLITION.

CITY OF ROHNERT PARK
 130 AVRAM AVENUE
 ROHNERT PARK, CALIFORNIA 94928
 PHONE: (707) 588-2232 FAX: (707) 794-9242

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GHD Inc.
 2235 Mercury Way Suite 150
 Santa Rosa California 95407 USA
 T 1 707 523 1010 F 1 707 527 8679 W www.ghd.com

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CITY OF ROHNERT PARK
DOWNTOWN INFRASTRUCTURE IMPROVEMENTS
 Project No. 2018 - 40 + 2018 - 43

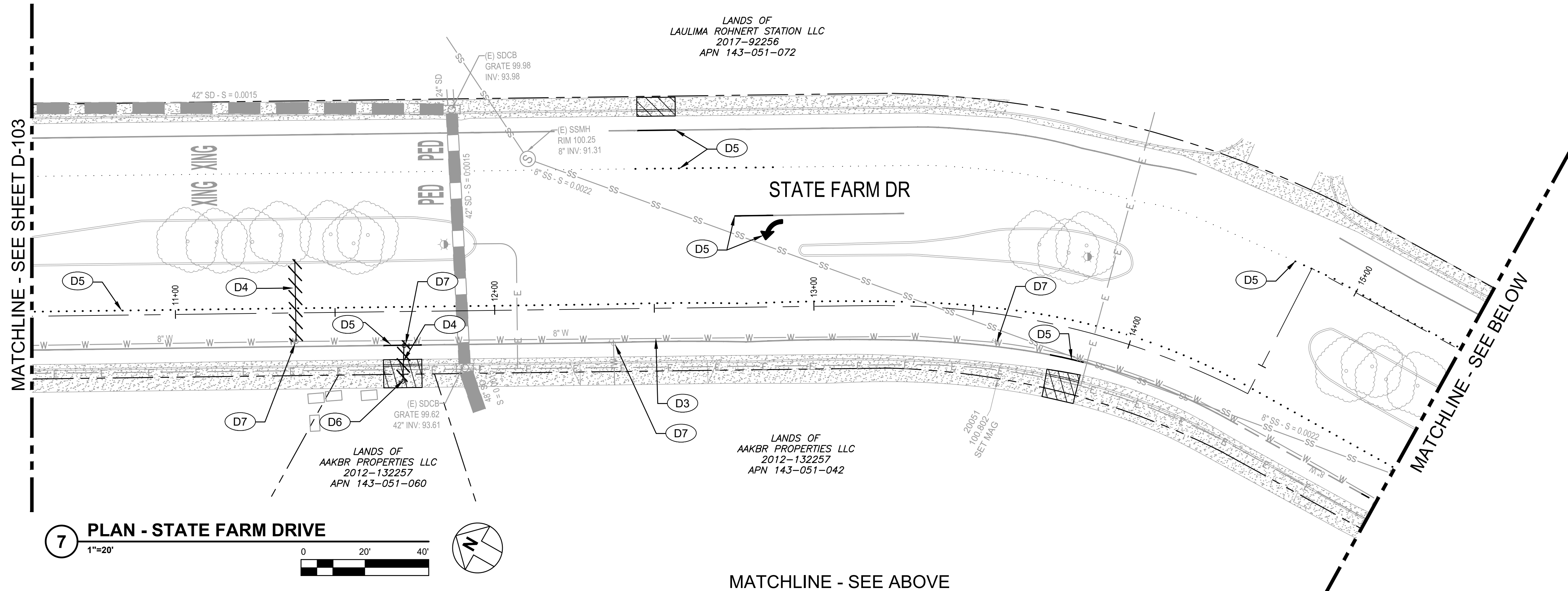
DEMOLITION PLAN 3

DESIGNED BY: MS
 DRAWN BY: BM
 CHECKED BY: SG
 DATE: 02-01-2020
 PROJECT: 11187329
 DWG NO: D-103
 SHEET

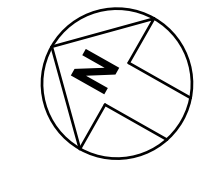
8 OF 37
 SHEETS

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MATCHLINE - SEE SHEET D-103

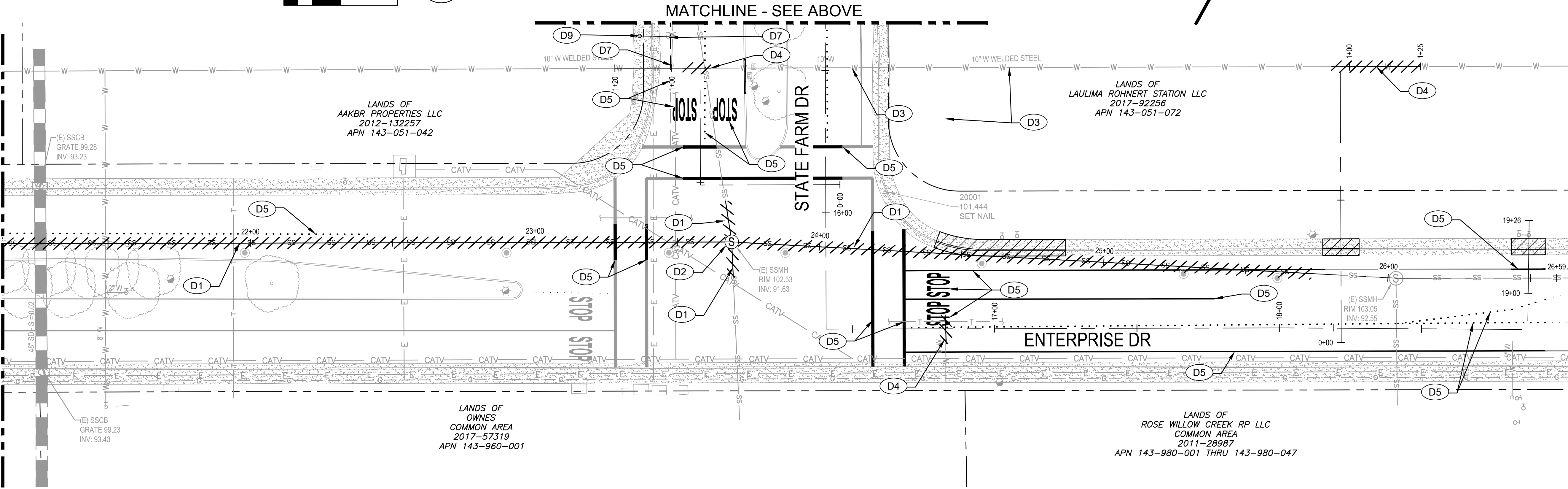


7 PLAN - STATE FARM DRIVE
1"=20'

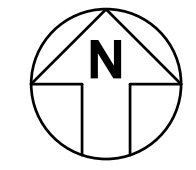
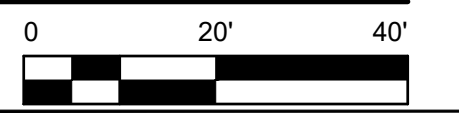


MATCHLINE - SEE BELOW

CONTINUATION - SEE SHEET D-102



8 PLAN - STATE FARM DRIVE
1"=20'



- KEY NOTES**
- D1 REMOVE (E) 8" SS.
 - D2 REMOVE (E) SSMH.
 - D3 ABANDON (E) W PER DETAIL 4/C-501. SEE PLAN FOR SIZE.
 - D4 REMOVE (E) W. SEE PLAN FOR SIZE.
 - D5 REMOVE (E) STRIPING/PAVEMENT MARKERS.
 - D6 REMOVE (E) FH ASSEMBLY AND 6" SERVICE LATERAL.
 - D7 REMOVE ABANDONED VALVE.
 - D8 REMOVE (E) SSCO.
 - D9 REMOVE (E) FH ASSEMBLY AND ABANDON 6" SERVICE LATERAL.
 - D10 ABANDON 80 LF SS PIPE PER DETAIL 4/C-501.

- LEGEND**
- REMOVE CONCRETE FLATWORK.
 - REMOVE (E) UTILITY / FEATURE

- SHEET NOTES**
1. CONTRACTORS TO COORDINATE CONSTRUCTION ACTIVITIES WITH NEARBY CONSTRUCTION PROJECTS.
 2. OWNER/CONTRACTOR SHALL SUBMIT SALVAGE PLAN TO CITY PLANNING DEPARTMENT PRIOR TO BEGINNING DEMOLITION.

CITY OF ROHNERT PARK

130 AVRAM AVENUE
ROHNERT PARK, CALIFORNIA 94928
PHONE: (707) 588-2232 FAX: (707) 794-9242



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Santa Rosa California 95407 USA
T 1 707 523 1010 F 1 707 527 8679 W www.ghd.com

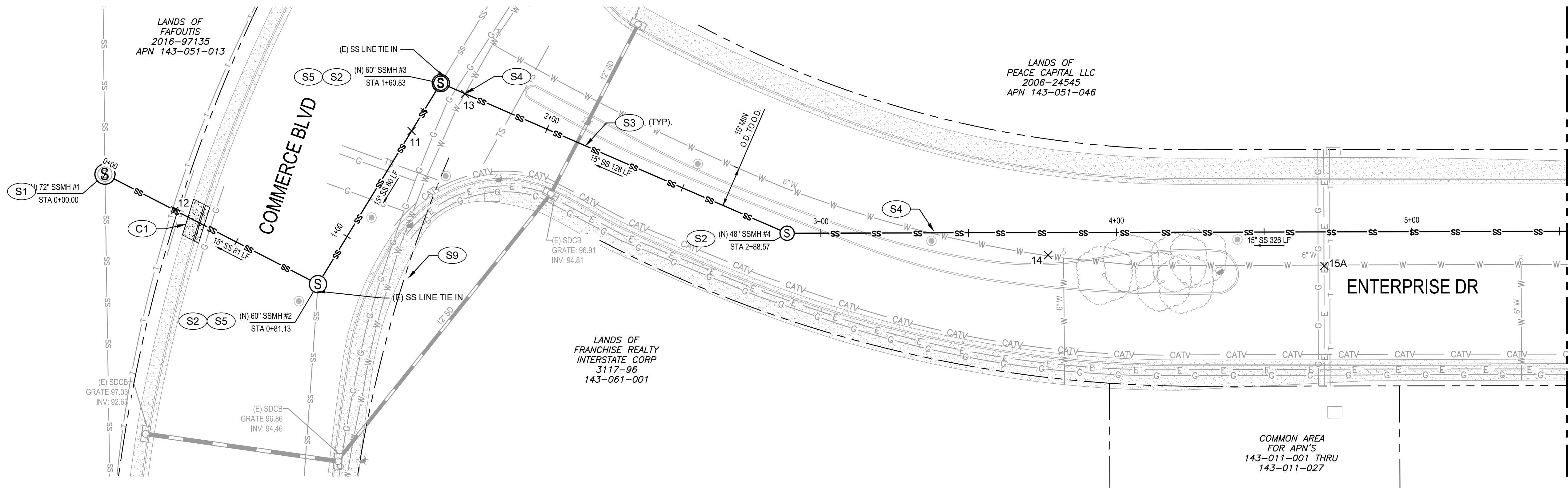
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CITY OF ROHNERT PARK
DOWNTOWN INFRASTRUCTURE IMPROVEMENTS
Project No. 2018 - 40 + 2018 - 43

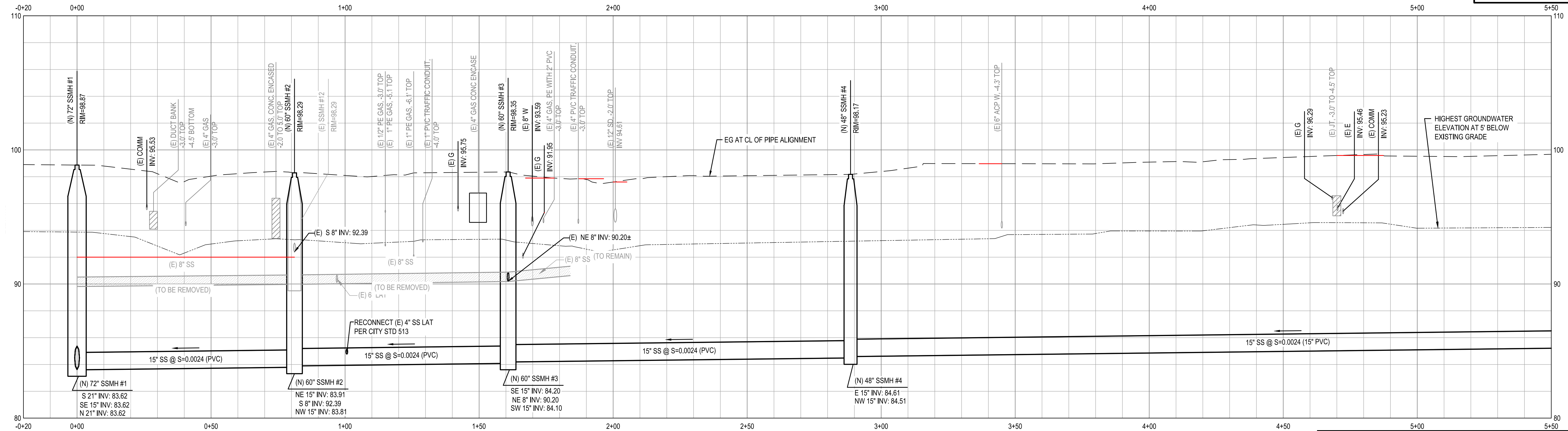
DEMOLITION PLAN 4

DESIGNED BY: MS
DRAWN BY: BM
CHECKED BY: SG
DATE: 02-01-2020
PROJECT: 11187329
DWG NO: D-104
SHEET
9 OF 37
SHEETS



- ### KEY NOTES
- S1** INSTALL PRECAST SEWER MANHOLE WITH GMI LID, HDPE LINER AND MECHANICAL GATE - 48-INCH. SEE DETAIL 1/C-503.
 - S2** INSTALL PRECAST SEWER MANHOLE WITH GMI LID AND HDPE LINER PER DETAILS 1/C-502 AND 3/C-502.
 - S3** TRENCH PER DETAIL 2/C-501.
 - S4** CONTRACTOR TO CENTER STICK UNDER (E) POTABLE WATER LINE. 1" MIN OD TO OD.
 - S5** INSTALL SSMH WITH INSIDE DROP PER CITY STD 503 AND DETAIL 3/C-502 AND DETAIL 2/C-503.
 - S6** INSTALL SEWER RODDING INLET PER CITY STD 513.
 - S7** SEWER WATER MAIN CROSSING DETAIL PER CITY STANDARD 516.
 - S8** SEWER LATERAL CONNECTION PER DETAIL 6/C-501 AND CITY STD 513.
 - S9** INSTALL SEWER CLEAN OUT PER CITY STD 513 AND CIPP LATERAL FROM CLEAN OUT TO MAIN PER SECTION 02530. REPLACE CURB, GUTTER, AND SIDEWALK PER CITY STD 237 AND 241.
 - C1** REPLACE STREET MEDIAN CURB PER CITY STD 242.

- ### SHEET NOTES
1. CONTRACTOR TO VERIFY EXACT DEPTH OF (E) UTILITIES PRIOR TO CONSTRUCTION.
 2. CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN EXCAVATING NEAR AND CROSSING THE EXISTING PG&E GAS AND ELECTRICAL LINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIRS, AS WELL AS ALL ASSOCIATED COSTS IF UTILITIES ARE DAMAGED AS A RESULT OF PROJECT CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL CONFIRM EXACT LOCATION PRIOR TO ANY EXCAVATION ACTIVITIES AND SHALL NOTIFY PG&E, A MINIMUM OF 3 WORKING DAYS PRIOR TO ANY CONSTRUCTION ACTIVITY WITHIN 10 FEET OF THE UTILITIES.
 3. RESTRAIN ALL PRESSURE PIPE JOINTS AND FITTINGS IN ACCORDANCE WITH CITY OF ROHNERT PARK STANDARDS.
 4. PIPELINE INSTALLATION SHALL MEET THE REQUIREMENTS OF THE DIVISION OF DRINKING WATER FOR THE SEPARATION OF WATER MAINS AND NON-POTABLE PIPELINES. SEPARATION AND CLEARANCE REQUIREMENTS ARE FROM THE PIPELINE EDGE-TO-EDGE.
 5. LONGITUDINAL BENDING SHALL NOT EXCEED THE MANUFACTURER'S RECOMMENDED MAXIMUM VALUE. JOINT DEFLECTION OF PVC PIPELINE IS NOT PERMITTED.
 6. (E) UTILITY CROSSING ELEVATIONS ARE SHOWN AT CL ALIGNMENT.



2 PROFILE - ENTERPRISE DRIVE
 HOR: 1"=20' VER: 1"=4'

LOCATION OF EXISTING UTILITIES AND STRUCTURES ARE FROM THE BEST INFORMATION AVAILABLE. EXACT LOCATION AND COMPLETENESS ARE NOT GUARANTEED. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICES ALERT (800) 227-2600 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION AND POTHOLE FOR EXACT LOCATION.

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CITY OF ROHNERT PARK

130 AVRAM AVENUE
 ROHNERT PARK, CALIFORNIA 94928
 PHONE: (707) 588-2232 FAX: (707) 794-9242



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 2235 Mercury Way Suite 150
 Santa Rosa California 95407 USA
 T 1 707 523 1010 F 1 707 527 8679 W www.ghd.com

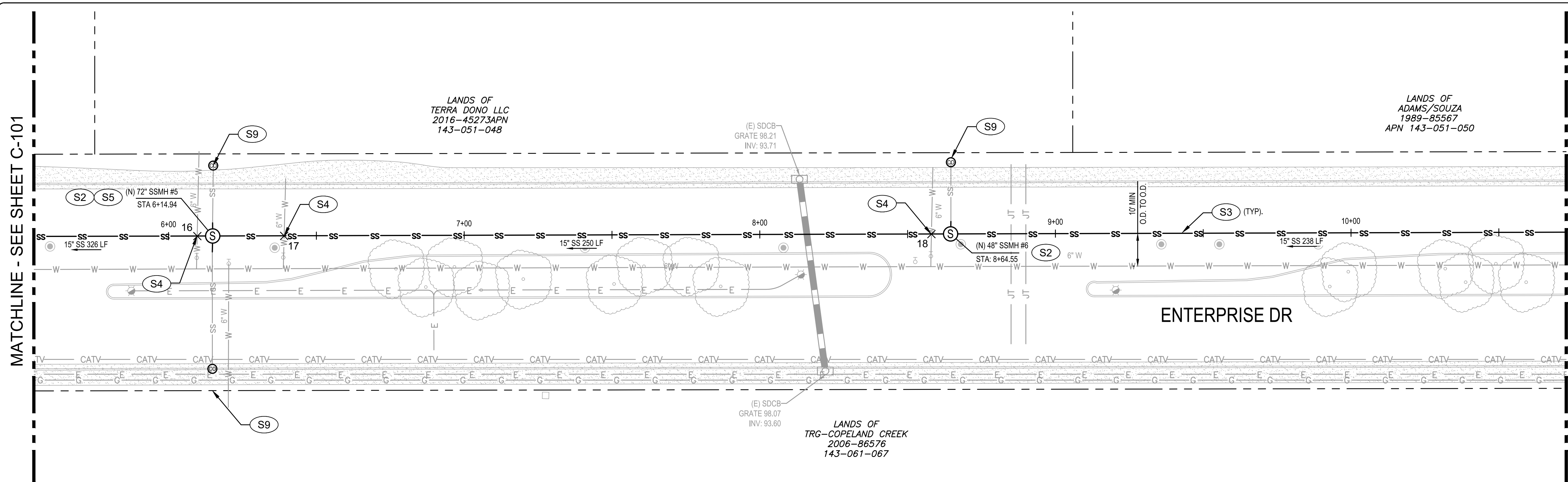
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CITY OF ROHNERT PARK
DOWNTOWN INFRASTRUCTURE IMPROVEMENTS
 Project No. 2018 - 40 + 2018 - 43
ENTERPRISE DR SEWER IMPROVEMENT PLAN & PROFILE 1

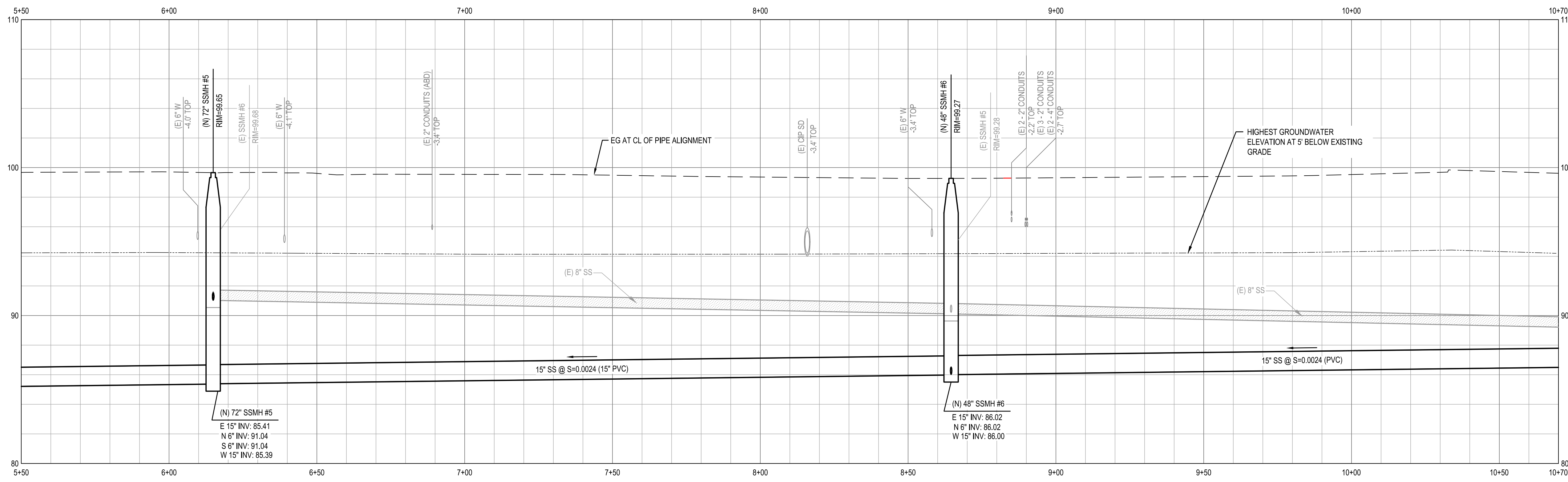
DESIGNED BY: MS
 DRAWN BY: BM
 CHECKED BY: SG
 DATE: 02-01-2020
 PROJECT: 11187329
 DWG NO: C-101
 SHEET
10 OF 37
 SHEETS

MATCHLINE - SEE SHEET C-101

MATCHLINE - SEE SHEET C-103



1 PLAN - ENTERPRISE DRIVE
 1"=20'
 0 20' 40'



2 PROFILE - ENTERPRISE DRIVE
 HOR: 1"=20' VER: 1"=4'

- KEY NOTES**
- S1 INSTALL PRECAST SEWER MANHOLE WITH GMI LID, HDPE LINER AND MECHANICAL GATE - 48-INCH. SEE DETAIL 1/C-503.
 - S2 INSTALL PRECAST SEWER MANHOLE WITH GMI LID AND HDPE LINER PER DETAILS 1/C-502 AND 3/C-502.
 - S3 TRENCH PER DETAIL 2/C-501.
 - S4 CONTRACTOR TO CENTER STICK UNDER (E) POTABLE WATER LINE. 1" MIN OD TO OD.
 - S5 INSTALL SSMH WITH INSIDE DROP PER CITY STD 503 AND DETAIL 3/C-502 AND DETAIL 2/C-503.
 - S6 INSTALL SEWER RODDING INLET PER CITY STD 513.
 - S7 SEWER WATER MAIN CROSSING DETAIL PER CITY STANDARD 516.
 - S8 SEWER LATERAL CONNECTION PER DETAIL 6/C-501 AND CITY STD 513.
 - S9 INSTALL SEWER CLEAN OUT PER CITY STD 513 AND CIPP LATERAL FROM CLEAN OUT TO MAIN PER SECTION 02530. REPLACE CURB, GUTTER, AND SIDEWALK PER CITY STD 237 AND 241.
 - C1 REPLACE STREET MEDIAN CURB PER CITY STD 242.
- SHEET NOTES**
1. CONTRACTOR TO VERIFY EXACT DEPTH OF (E) UTILITIES PRIOR TO CONSTRUCTION.
 2. CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN EXCAVATING NEAR AND CROSSING THE EXISTING PG&E GAS AND ELECTRICAL LINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIRS, AS WELL AS ALL ASSOCIATED COSTS IF UTILITIES ARE DAMAGED AS A RESULT OF PROJECT CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL CONFIRM EXACT LOCATION PRIOR TO ANY EXCAVATION ACTIVITIES AND SHALL NOTIFY PG&E, A MINIMUM OF 3 WORKING DAYS PRIOR TO ANY CONSTRUCTION ACTIVITY WITHIN 10 FEET OF THE UTILITIES.
 3. RESTRAIN ALL PRESSURE PIPE JOINTS AND FITTINGS IN ACCORDANCE WITH CITY OF ROHNERT PARK STANDARDS.
 4. PIPELINE INSTALLATION SHALL MEET THE REQUIREMENTS OF THE DIVISION OF DRINKING WATER FOR THE SEPARATION OF WATER MAINS AND NON-POTABLE PIPELINES. SEPARATION AND CLEARANCE REQUIREMENTS ARE FROM THE PIPELINE EDGE-TO-EDGE.
 5. LONGITUDINAL BENDING SHALL NOT EXCEED THE MANUFACTURER'S RECOMMENDED MAXIMUM VALUE. JOINT DEFLECTION OF PVC PIPELINE IS NOT PERMITTED.
 6. (E) UTILITY CROSSING ELEVATIONS ARE SHOWN AT CL ALIGNMENT.

LOCATION OF EXISTING UTILITIES AND STRUCTURES ARE FROM THE BEST INFORMATION AVAILABLE. EXACT LOCATION AND COMPLETENESS ARE NOT GUARANTEED. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICES ALERT (800) 227-2600 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION AND POTHOLE FOR EXACT LOCATION.

\\GHDNET\GHD\US\SANTA ROSA\PROJECTS\1111187329 RP DOWNTOWN SEWER IMP\06-CADD\SHEETS\1187329 C-101 THRU C-105

CITY OF ROHNERT PARK

130 AVRAM AVENUE
 ROHNERT PARK, CALIFORNIA 94928
 PHONE: (707) 588-2232 FAX: (707) 794-9242



REV. NO.	DATE	DESCRIPTION	BY

GHD Inc.
 2235 Mercury Way Suite 150
 Santa Rosa California 95407 USA
 T 1 707 523 1010 F 1 707 527 8679 W www.ghd.com

RECORD DRAWING
MAY 26, 2020

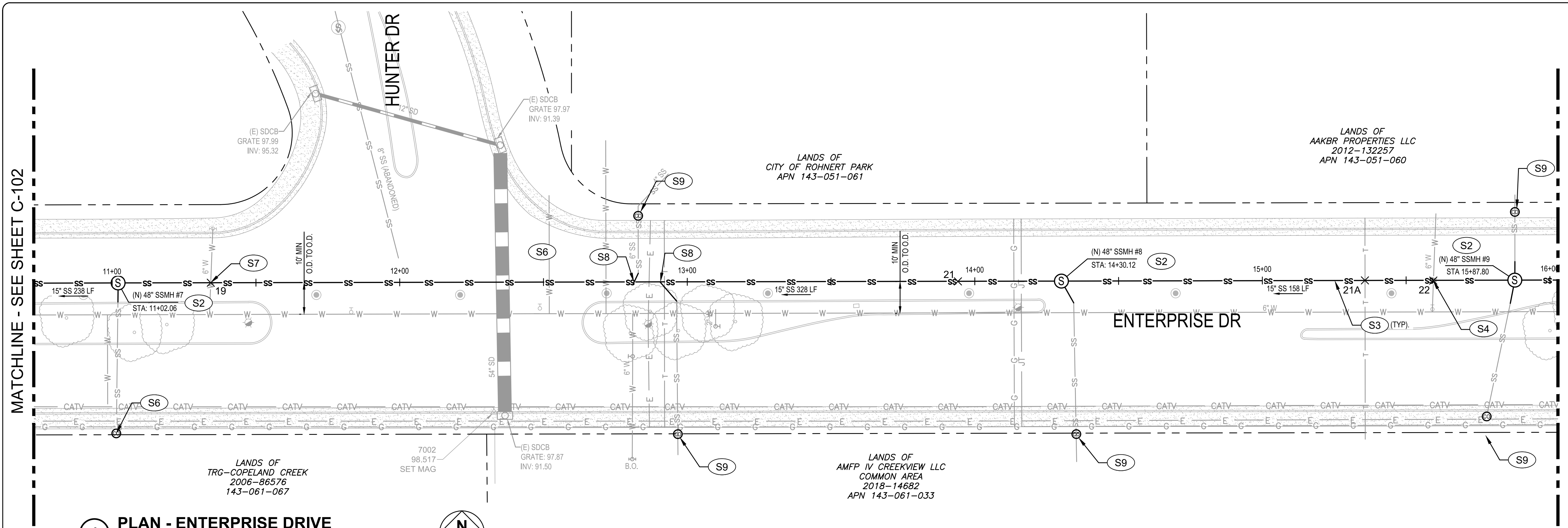
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CITY OF ROHNERT PARK
DOWNTOWN INFRASTRUCTURE IMPROVEMENTS
 Project No. 2018 - 40 + 2018 - 43

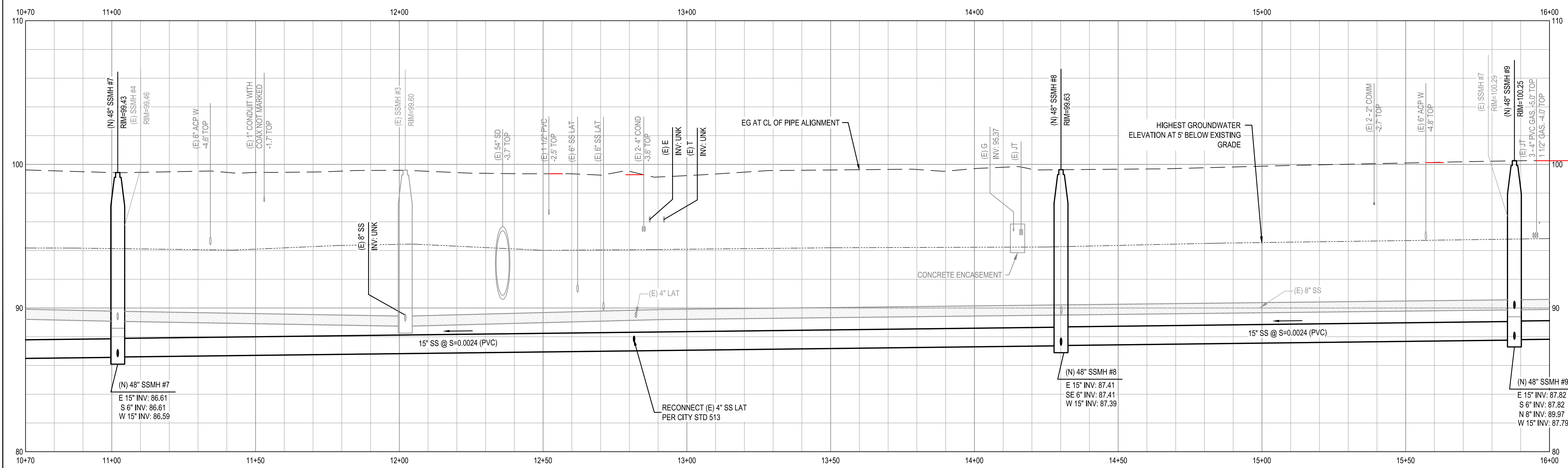
ENTERPRISE DR SEWER IMPROVEMENT PLAN & PROFILE 2

DESIGNED BY: MS
 DRAWN BY: BM
 CHECKED BY: SG
 DATE: 02-01-2020
 PROJECT: 11187329
 DWG NO: C-102
 SHEET
11 OF 37
 SHEETS

\\GHD\NET\GHD\US\SANTA ROSA\PROJECTS\11111187329 RP DOWNTOWN SEWER IMP\06-CADD\SHEETS\11187329 C-101 THRU C-105



1 PLAN - ENTERPRISE DRIVE
 1"=20'
 0 20' 40'



2 PROFILE - ENTERPRISE DRIVE
 HOR: 1"=20' VER: 1"=4'

- KEY NOTES**
- S1 INSTALL PRECAST SEWER MANHOLE WITH GMI LID, HDPE LINER AND MECHANICAL GATE - 48-INCH. SEE DETAIL 1/C-503.
 - S2 INSTALL PRECAST SEWER MANHOLE WITH GMI LID AND HDPE LINER PER DETAILS 1/C-502 AND 3/C-502.
 - S3 TRENCH PER DETAIL 2/C-501.
 - S4 CONTRACTOR TO CENTER STICK UNDER (E) POTABLE WATER LINE. 1" MIN OD TO OD.
 - S5 INSTALL SSMH WITH INSIDE DROP PER CITY STD 503 AND DETAIL 3/C-502 AND DETAIL 2/C-503.
 - S6 INSTALL SEWER RODDING INLET PER CITY STD 513.
 - S7 SEWER WATER MAIN CROSSING DETAIL PER CITY STANDARD 516.
 - S8 SEWER LATERAL CONNECTION PER DETAIL 6/C-501 AND CITY STD 513.
 - S9 INSTALL SEWER CLEAN OUT PER CITY STD 513 AND CIPP LATERAL FROM CLEAN OUT TO MAIN PER SECTION 02530. REPLACE CURB, GUTTER, AND SIDEWALK PER CITY STD 237 AND 241.
 - C1 REPLACE STREET MEDIAN CURB PER CITY STD 242.
- SHEET NOTES**
1. CONTRACTOR TO VERIFY EXACT DEPTH OF (E) UTILITIES PRIOR TO CONSTRUCTION.
 2. CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN EXCAVATING NEAR AND CROSSING THE EXISTING PG&E GAS AND ELECTRICAL LINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIRS, AS WELL AS ALL ASSOCIATED COSTS IF UTILITIES ARE DAMAGED AS A RESULT OF PROJECT CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL CONFIRM EXACT LOCATION PRIOR TO ANY EXCAVATION ACTIVITIES AND SHALL NOTIFY PG&E, A MINIMUM OF 3 WORKING DAYS PRIOR TO ANY CONSTRUCTION ACTIVITY WITHIN 10 FEET OF THE UTILITIES.
 3. RESTRAIN ALL PRESSURE PIPE JOINTS AND FITTINGS IN ACCORDANCE WITH CITY OF ROHNERT PARK STANDARDS.
 4. PIPELINE INSTALLATION SHALL MEET THE REQUIREMENTS OF THE DIVISION OF DRINKING WATER FOR THE SEPARATION OF WATER MAINS AND NON-POTABLE PIPELINES. SEPARATION AND CLEARANCE REQUIREMENTS ARE FROM THE PIPELINE EDGE-TO-EDGE.
 5. LONGITUDINAL BENDING SHALL NOT EXCEED THE MANUFACTURER'S RECOMMENDED MAXIMUM VALUE. JOINT DEFLECTION OF PVC PIPELINE IS NOT PERMITTED.
 6. (E) UTILITY CROSSING ELEVATIONS ARE SHOWN AT CL ALIGNMENT.

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CITY OF ROHNERT PARK
 130 AVRAM AVENUE
 ROHNERT PARK, CALIFORNIA 94928
 PHONE: (707) 588-2232 FAX: (707) 794-9242



REV. NO.	DATE	DESCRIPTION	BY

GHD
 GHD Inc.
 2235 Mercury Way Suite 150
 Santa Rosa California 95407 USA
 T 1 707 523 1010 F 1 707 527 8679 W www.ghd.com

RECORD DRAWING
MAY 26, 2020
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CITY OF ROHNERT PARK
DOWNTOWN INFRASTRUCTURE IMPROVEMENTS
 Project No. 2018 - 40 + 2018 - 43
ENTERPRISE DR SEWER IMPROVEMENT PLAN & PROFILE 3

DESIGNED BY: MS
 DRAWN BY: BM
 CHECKED BY: SG
 DATE: 02-01-2020
 PROJECT: 11187329
 DWG NO: C-103
 SHEET
12 OF 37
 SHEETS

MATCHLINE - SEE SHEET C-103

MATCHLINE - SEE SHEET C-105

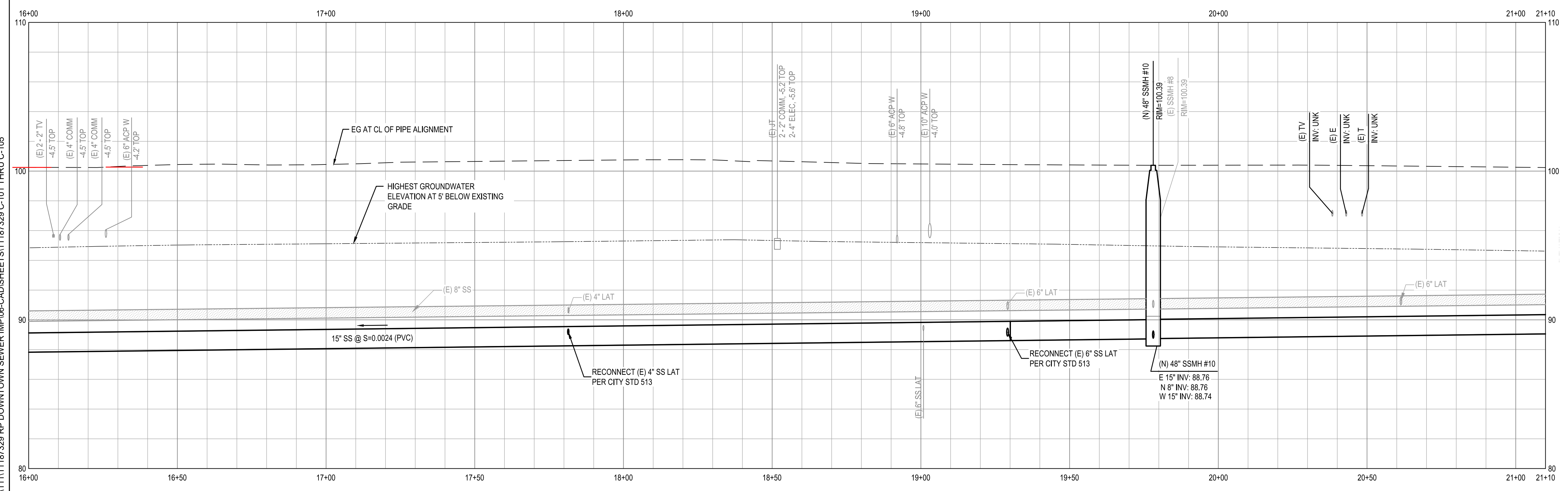
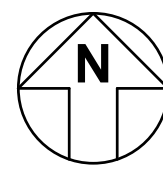
LANDS OF
AAKBR PROPERTIES LLC
2012-132257
APN 143-051-060

LANDS OF
AMFP IV CREEKVIEW LLC
COMMON AREA
2018-14682
APN 143-061-033

ENTERPRISE DR

1 PLAN - ENTERPRISE DRIVE

1"=20'



2 PROFILE - ENTERPRISE DRIVE

HOR: 1"=20' VER: 1"=4'

- ### KEY NOTES
- S1** INSTALL PRECAST SEWER MANHOLE WITH GMI LID, HDPE LINER AND MECHANICAL GATE - 48-INCH. SEE DETAIL 1/C-503.
 - S2** INSTALL PRECAST SEWER MANHOLE WITH GMI LID AND HDPE LINER PER DETAILS 1/C-502 AND 3/C-502.
 - S3** TRENCH PER DETAIL 2/C-501.
 - S4** CONTRACTOR TO CENTER STICK UNDER (E) POTABLE WATER LINE. 1' MIN OD TO OD.
 - S5** INSTALL SSMH WITH INSIDE DROP PER CITY STD 503 AND DETAIL 3/C-502 AND DETAIL 2/C-503.
 - S6** INSTALL SEWER RODDING INLET PER CITY STD 513.
 - S7** SEWER WATER MAIN CROSSING DETAIL PER CITY STANDARD 516.
 - S8** SEWER LATERAL CONNECTION PER DETAIL 6/C-501 AND CITY STD 513.
 - S9** INSTALL SEWER CLEAN OUT PER CITY STD 513 AND CIPP LATERAL FROM CLEAN OUT TO MAIN PER SECTION 02530. REPLACE CURB, GUTTER, AND SIDEWALK PER CITY STD 237 AND 241.
 - C1** REPLACE CURB, GUTTER, AND SIDEWALK PER CITY STD 237 AND 241.
 - C2** REPLACE STREET MEDIAN CURB PER CITY STD 242.
- ### SHEET NOTES
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 2. CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN EXCAVATING NEAR AND CROSSING THE EXISTING PG&E GAS AND ELECTRICAL LINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIRS, AS WELL AS ALL ASSOCIATED COSTS IF UTILITIES ARE DAMAGED AS A RESULT OF PROJECT CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL CONFIRM EXACT LOCATION PRIOR TO ANY EXCAVATION ACTIVITIES AND SHALL NOTIFY PG&E, A MINIMUM OF 3 WORKING DAYS PRIOR TO ANY CONSTRUCTION ACTIVITY WITHIN 10 FEET OF THE UTILITIES.
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 5. LONGITUDINAL BENDING SHALL NOT EXCEED THE MANUFACTURER'S RECOMMENDED MAXIMUM VALUE. JOINT DEFLECTION OF PVC PIPELINE IS NOT PERMITTED.
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\\GHD\NET\GHD\US\SANTA ROSA\PROJECTS\1111187329 RP DOWNTOWN SEWER IMP\06-CADD\SHEETS\11187329 C-101 THRU C-105

CITY OF ROHNERT PARK

130 AVRAM AVENUE
ROHNERT PARK, CALIFORNIA 94928
PHONE: (707) 588-2232 FAX: (707) 794-9242



REV. NO.	DATE	DESCRIPTION	BY

GHD Inc.
2235 Mercury Way Suite 150
Santa Rosa California 95407 USA
T 1 707 523 1010 F 1 707 527 8679 W www.ghd.com

RECORD DRAWING
MAY 26, 2020

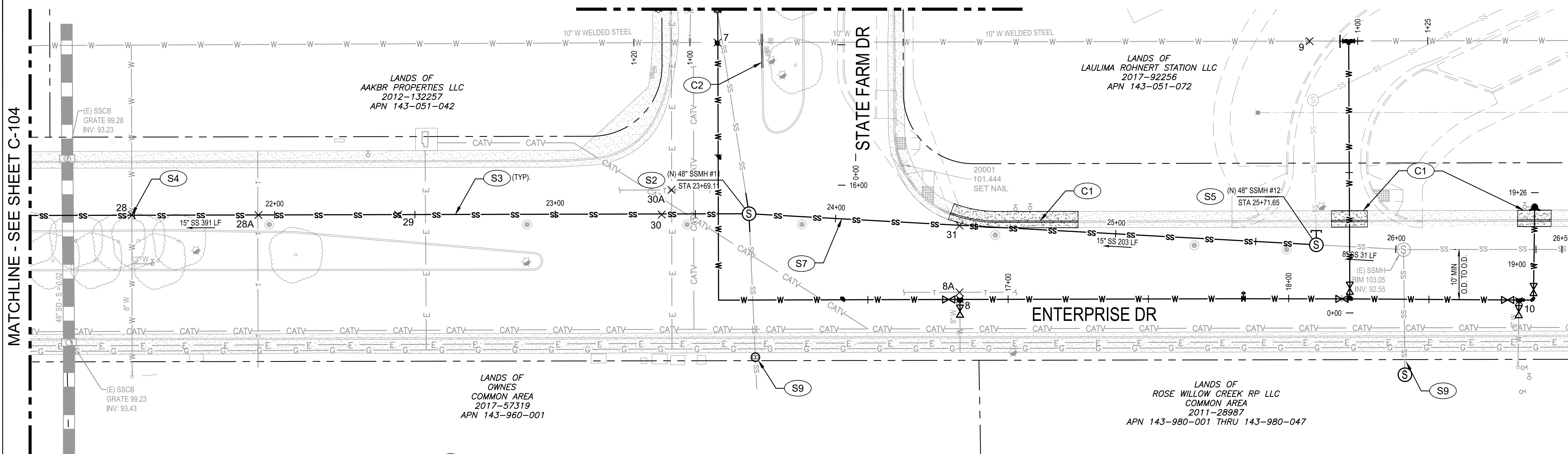
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CITY OF ROHNERT PARK
DOWNTOWN INFRASTRUCTURE IMPROVEMENTS
Project No. 2018 - 40 + 2018 - 43

ENTERPRISE DR SEWER IMPROVEMENT PLAN & PROFILE 4

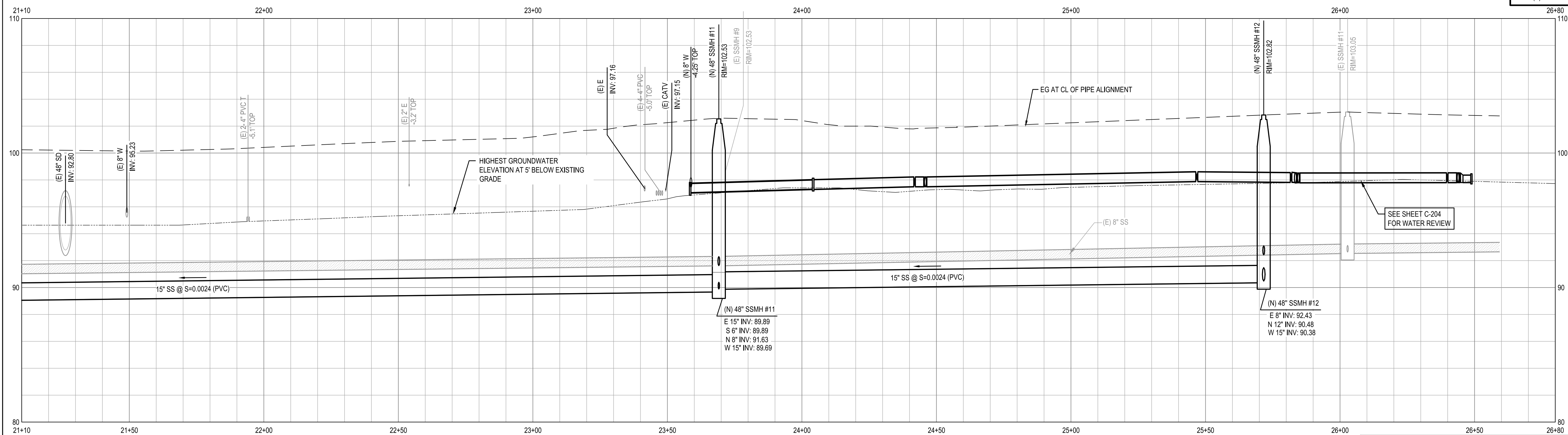
DESIGNED BY: MS
DRAWN BY: BM
CHECKED BY: SG
DATE: 02-01-2020
PROJECT: 11187329
DWG NO: C-104
SHEET
13 OF 37
SHEETS

CONTINUATION - SEE C-203



- KEY NOTES**
- S1 INSTALL PRECAST SEWER MANHOLE WITH GMI LID, HDPE LINER AND MECHANICAL GATE - 48-INCH. SEE DETAIL 1/C-503.
 - S2 INSTALL PRECAST SEWER MANHOLE WITH GMI LID AND HDPE LINER PER DETAILS 1/C-502 AND 3/C-502.
 - S3 TRENCH PER DETAIL 2/C-501.
 - S4 CONTRACTOR TO CENTER STICK UNDER (E) POTABLE WATER LINE. 1" MIN OD TO OD.
 - S5 INSTALL SSMH WITH INSIDE DROP PER CITY STD 503 AND DETAIL 3/C-502 AND DETAIL 2/C-503.
 - S6 INSTALL SEWER RODDING INLET PER CITY STD 513.
 - S7 SEWER WATER MAIN CROSSING DETAIL PER CITY STANDARD 516.
 - S8 SEWER LATERAL CONNECTION PER DETAIL 6/C-501 AND CITY STD 513.
 - S9 INSTALL SEWER CLEAN OUT PER CITY STD 513 AND CIPP LATERAL FROM CLEAN OUT TO MAIN PER SECTION 02530.
 - C1 REPLACE CURB, GUTTER, AND SIDEWALK PER CITY STD 237 AND 241.
 - C2 REPLACE STREET MEDIAN CURB PER CITY STD 242.
- SHEET NOTES**
1. CONTRACTOR TO VERIFY EXACT DEPTH OF (E) UTILITIES PRIOR TO CONSTRUCTION.
 2. CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN EXCAVATING NEAR AND CROSSING THE EXISTING PG&E GAS AND ELECTRICAL LINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIRS, AS WELL AS ALL ASSOCIATED COSTS IF UTILITIES ARE DAMAGED AS A RESULT OF PROJECT CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL CONFIRM EXACT LOCATION PRIOR TO ANY EXCAVATION ACTIVITIES AND SHALL NOTIFY PG&E, A MINIMUM OF 3 WORKING DAYS PRIOR TO ANY CONSTRUCTION ACTIVITY WITHIN 10 FEET OF THE UTILITIES.
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 4. PIPELINE INSTALLATION SHALL MEET THE REQUIREMENTS OF THE DIVISION OF DRINKING WATER FOR THE SEPARATION OF WATER MAINS AND NON-POTABLE PIPELINES. SEPARATION AND CLEARANCE REQUIREMENTS ARE FROM THE PIPELINE EDGE-TO-EDGE.
 5. LONGITUDINAL BENDING SHALL NOT EXCEED THE MANUFACTURER'S RECOMMENDED MAXIMUM VALUE. JOINT DEFLECTION OF PVC PIPELINE IS NOT PERMITTED.
 6. (E) UTILITY CROSSING ELEVATIONS ARE SHOWN AT CL ALIGNMENT.

1 PLAN - ENTERPRISE DRIVE
 1"=20'



2 PROFILE - ENTERPRISE DRIVE
 HOR: 1"=20' VER: 1"=4'

LOCATION OF EXISTING UTILITIES AND STRUCTURES ARE FROM THE BEST INFORMATION AVAILABLE. EXACT LOCATION AND COMPLETENESS ARE NOT GUARANTEED. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICES ALERT (800) 227-2600 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION AND POTHOLE FOR EXACT LOCATION.

I:\GHD\NET\GHD\US\SANTA ROSA\PROJECTS\11111187329 RP DOWNTOWN SEWER IMP\06-CADD\SHEETS\11187329 C-101 THRU C-105

CITY OF ROHNERT PARK

130 AVRAM AVENUE
 ROHNERT PARK, CALIFORNIA 94928
 PHONE: (707) 588-2232 FAX: (707) 794-9242



REV. NO.	DATE	DESCRIPTION	BY

GHD Inc.
 2235 Mercury Way Suite 150
 Santa Rosa California 95407 USA
 T 1 707 523 1010 F 1 707 527 8679 W www.ghd.com

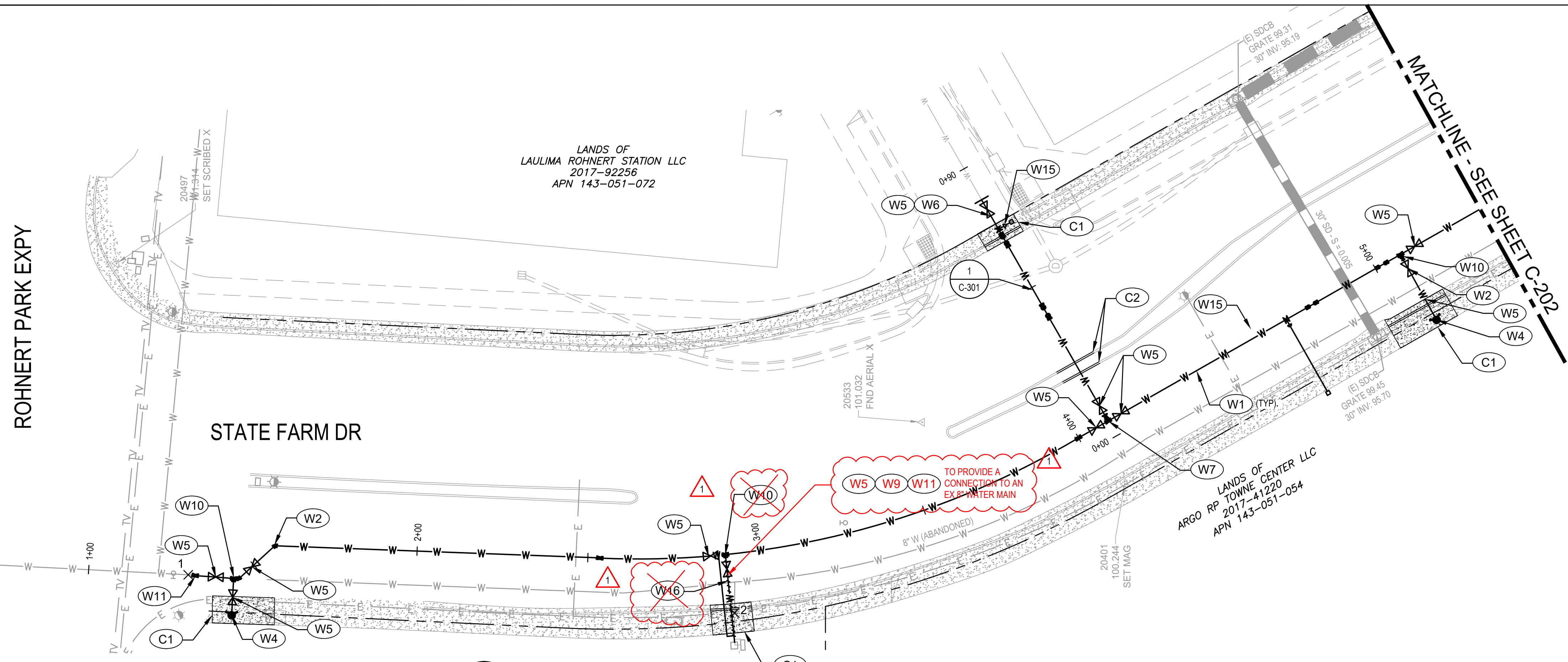
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MAY 26, 2020

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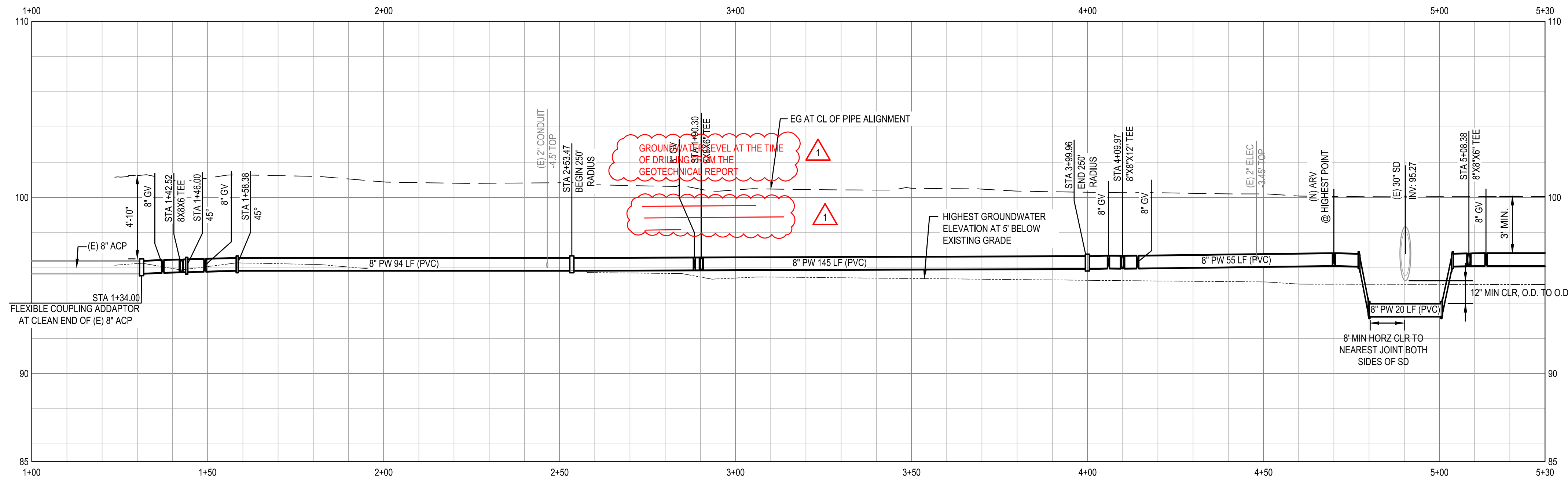
CITY OF ROHNERT PARK
DOWNTOWN INFRASTRUCTURE IMPROVEMENTS
 Project No. 2018 - 40 + 2018 - 43

ENTERPRISE DR SEWER IMPROVEMENT PLAN & PROFILE 5

DESIGNED BY: MS
 DRAWN BY: BM
 CHECKED BY: SG
 DATE: 02-01-2020
 PROJECT: 11187329
 DWG NO: C-105
 SHEET
14 OF 37
 SHEETS



1 PLAN - STATE FARM DRIVE
 1"=20'



2 PROFILE - STATE FARM DRIVE
 HOR: 1"=20' VER: 1"=4'

- KEY NOTES**
- W1 INSTALL UTILITY TRENCH PER DETAIL 3/C-501.
 - W2 INSTALL 45° BEND. SEE PLAN FOR SIZE.
 - W3 INSTALL 8" 90° BEND.
 - W4 INSTALL FH PER CITY STANDARD 857.
 - W5 INSTALL GATE VALVE PER CITY STD 877. SEE PLAN FOR SIZE.
 - W6 INSTALL BLIND FLANGE FOR FUTURE CONNECTION.
 - W7 INSTALL 8"X8"X12" TEE.
 - W8 INSTALL 10"X10"X8" TEE.
 - W9 INSTALL 8"X8"X8" TEE.
 - W10 INSTALL 8"X8"X6" TEE.
 - W11 INSTALL FLEXIBLE COUPLING ADAPTOR AT CLEAN END OF (E) 8" ACP
 - W12 INSTALL 8"X10" CROSS.
 - W13 CAP AND ABANDON EXISTING 10" POTABLE WATER. **INSTALL CITY STD 865A TO THE MANIFOLD**
 - W14 **INSTALL 2" IRRIGATION LINE WITH GATE VALVE.**
 - W15 INSTALL AIR RELEASE VALVE PER CITY STANDARD 883.
 - W16 REPLACE (E) WATER SERVICE
 - C1 REPLACE CURB, GUTTER, AND SIDEWALK PER CITY STD 237 AND 241.
 - C2 REPLACE STREET MEDIAN CURB PER CITY STD 242.
 - C3 WATER MAIN TRENCH PATCH FROM STA: 16+41.69 TO 18+88.07 SHALL EXTEND FROM SOUTHERLY GUTTER LIP TO NORTHERLY EDGE OF WESTBOUND NUMBER ONE LANE. APPROX. 22' WIDTH.
 - S7 SEWER WATER MAIN CROSSING DETAIL PER CITY STANDARD 516.

- SHEET NOTES**
1. CONTRACTOR TO VERIFY EXACT DEPTH OF (E) UTILITIES PRIOR TO CONSTRUCTION.
 2. CONTRACTOR SHALL NOTIFY PG&E A MINIMUM OF 48 HOURS IN ADVANCE OF ANY EXCAVATIONS WITHIN 5' OF EXISTING ELECTRICAL AND OR GAS LINES.
 3. CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN EXCAVATING NEAR AND CROSSING THE EXISTING PG&E GAS AND ELECTRICAL LINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIRS, AS WELL AS ALL ASSOCIATED COSTS IF UTILITIES ARE DAMAGED AS A RESULT OF PROJECT CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL CONFIRM EXACT LOCATION PRIOR TO ANY EXCAVATION ACTIVITIES AND SHALL NOTIFY PG&E, A MINIMUM OF 3 WORKING DAYS PRIOR TO ANY CONSTRUCTION ACTIVITY WITHIN 10 FEET OF THE UTILITIES.
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 5. PIPELINE INSTALLATION SHALL MEET THE REQUIREMENTS OF THE DIVISION OF DRINKING WATER FOR THE SEPARATION OF WATER MAINS AND NON-POTABLE PIPELINES. SEPARATION AND CLEARANCE REQUIREMENTS ARE FROM THE PIPELINE EDGE-TO-EDGE.
 6. LONGITUDINAL BENDING SHALL NOT EXCEED THE MANUFACTURER'S RECOMMENDED MAXIMUM VALUE. JOINT DEFLECTION OF PVC PIPELINE IS NOT PERMITTED.
 7. (E) UTILITY CROSSING ELEVATIONS ARE SHOWN AT CL ALIGNMENT.
 8. ROOT BARRIER PROTECTION TO BE APPLIED TO PORTIONS OF WATER LINE RUNNING PARALLEL TO TREES IN MEDIAN.

LOCATION OF EXISTING UTILITIES AND STRUCTURES ARE FROM THE BEST INFORMATION AVAILABLE. EXACT LOCATION AND COMPLETENESS ARE NOT GUARANTEED. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICES ALERT (800) 227-2600 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION AND POTHOLE FOR EXACT LOCATION.

I:\GHD\NET\GHD\US\SANTA ROSA\PROJECTS\111111187329 RP DOWNTOWN SEWER IMP\06-CADD\SHEETS\11187329 C-201 THRU C-204

CITY OF ROHNERT PARK

130 AVRAM AVENUE
 ROHNERT PARK, CALIFORNIA 94928
 PHONE: (707) 588-2232 FAX: (707) 794-9242



REV. NO.	DATE	DESCRIPTION	BY
1	09/18/2019	WATER IMPROVEMENTS CONFORM	JW



GHD Inc.
 2235 Mercury Way Suite 150
 Santa Rosa California 95407 USA
 T 1 707 523 1010 F 1 707 527 8679 W www.ghd.com

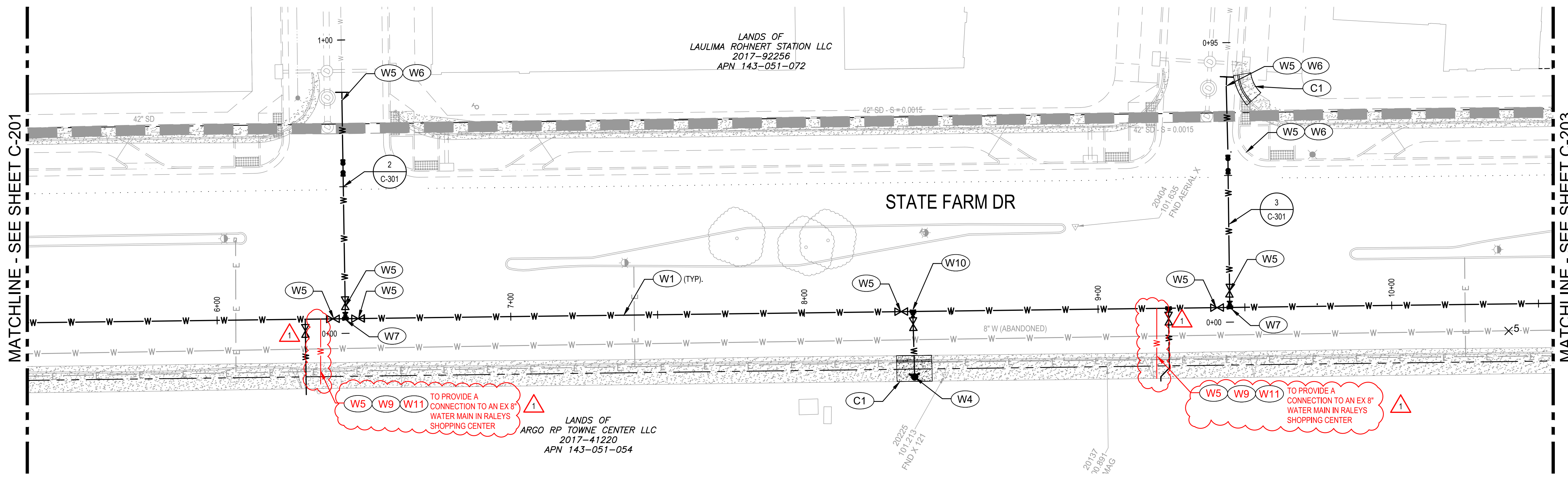
**RECORD DRAWING
 MAY 26, 2020**

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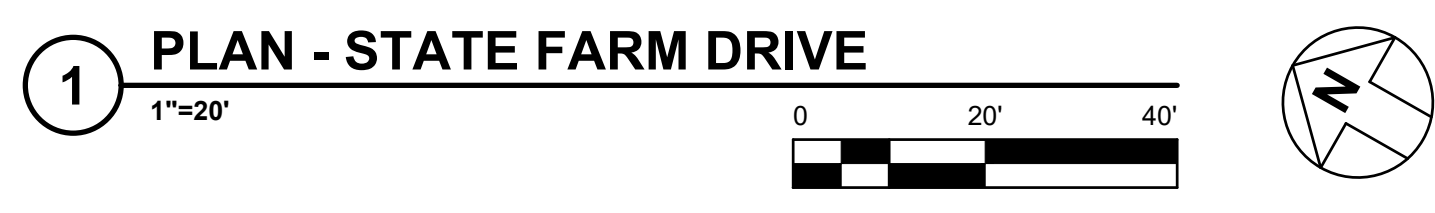
**CITY OF ROHNERT PARK
 DOWNTOWN INFRASTRUCTURE IMPROVEMENTS
 Project No. 2018 - 40 + 2018 - 43**

STATE FARM DR WATER IMPROVEMENT PLAN & PROFILE 1

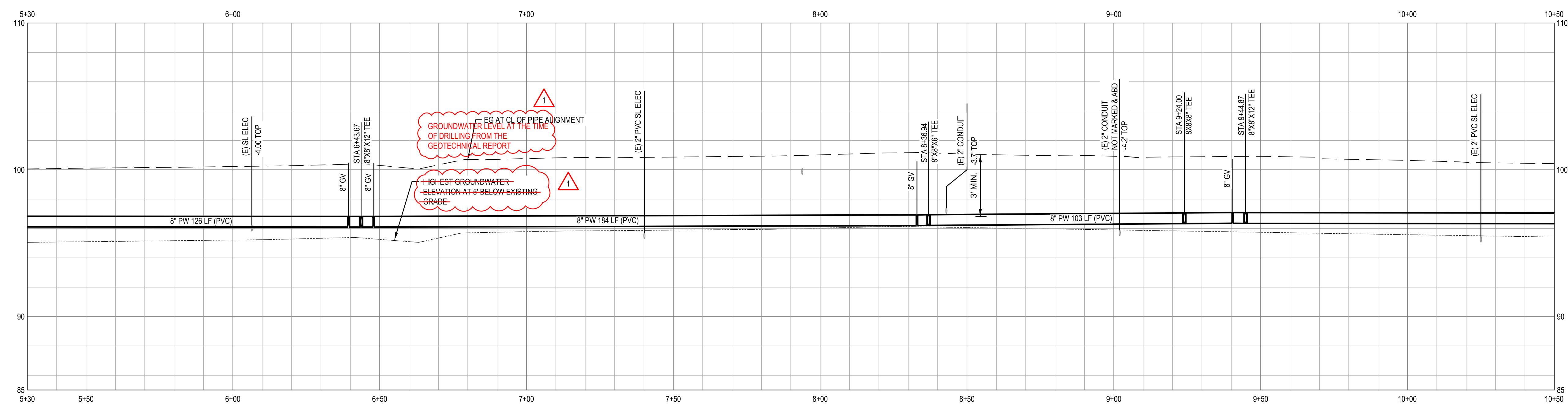
DESIGNED BY:	MS
DRAWN BY:	BM
CHECKED BY:	SG
DATE:	02-01-2020
PROJECT:	11187329
DWG NO.:	C-201
SHEET	15 OF 37
	SHEETS



- ### KEY NOTES
- W1 INSTALL UTILITY TRENCH PER DETAIL 3/C-501.
 - W2 INSTALL 45° BEND. SEE PLAN FOR SIZE.
 - W3 INSTALL 8" 90° BEND.
 - W4 INSTALL FH PER CITY STANDARD 857.
 - W5 INSTALL GATE VALVE PER CITY STD 877. SEE PLAN FOR SIZE.
 - W6 INSTALL BLIND FLANGE FOR FUTURE CONNECTION.
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 - S7 SEWER WATER MAIN CROSSING DETAIL PER CITY STANDARD 516.



- ### SHEET NOTES
1. CONTRACTOR TO VERIFY EXACT DEPTH OF (E) UTILITIES PRIOR TO CONSTRUCTION.
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 6. LONGITUDINAL BENDING SHALL NOT EXCEED THE MANUFACTURER'S RECOMMENDED MAXIMUM VALUE. JOINT DEFLECTION OF PVC PIPELINE IS NOT PERMITTED.
 7. (E) UTILITY CROSSING ELEVATIONS ARE SHOWN AT CL ALIGNMENT.
 8. ROOT BARRIER PROTECTION TO BE APPLIED TO PORTIONS OF WATER LINE RUNNING PARALLEL TO TREES IN MEDIAN.



2 PROFILE - STATE FARM DRIVE

HOR: 1"=20' VER: 1"=4'

LOCATION OF EXISTING UTILITIES AND STRUCTURES ARE FROM THE BEST INFORMATION AVAILABLE. EXACT LOCATION AND COMPLETENESS ARE NOT GUARANTEED. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICES ALERT (800) 227-2600 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION AND POTHOLE FOR EXACT LOCATION.

IGHDNET\GHD\US\SANTA ROSA\PROJECTS\11111187329 RP DOWNTOWN SEWER IMP\06-CADD\SHEETS\11187329 C-201 THRU C-204

CITY OF ROHNERT PARK

130 AVRAM AVENUE
ROHNERT PARK, CALIFORNIA 94928
PHONE: (707) 588-2232 FAX: (707) 794-9242

REV. NO.	DATE	DESCRIPTION	BY
1	09/18/2019	WATER IMPROVEMENTS CONFORM	JW

GHD Inc.
2235 Mercury Way Suite 150
Santa Rosa California 95407 USA
T 1 707 523 1010 F 1 707 527 8679 W www.ghd.com

RECORD DRAWING

MAY 26, 2020

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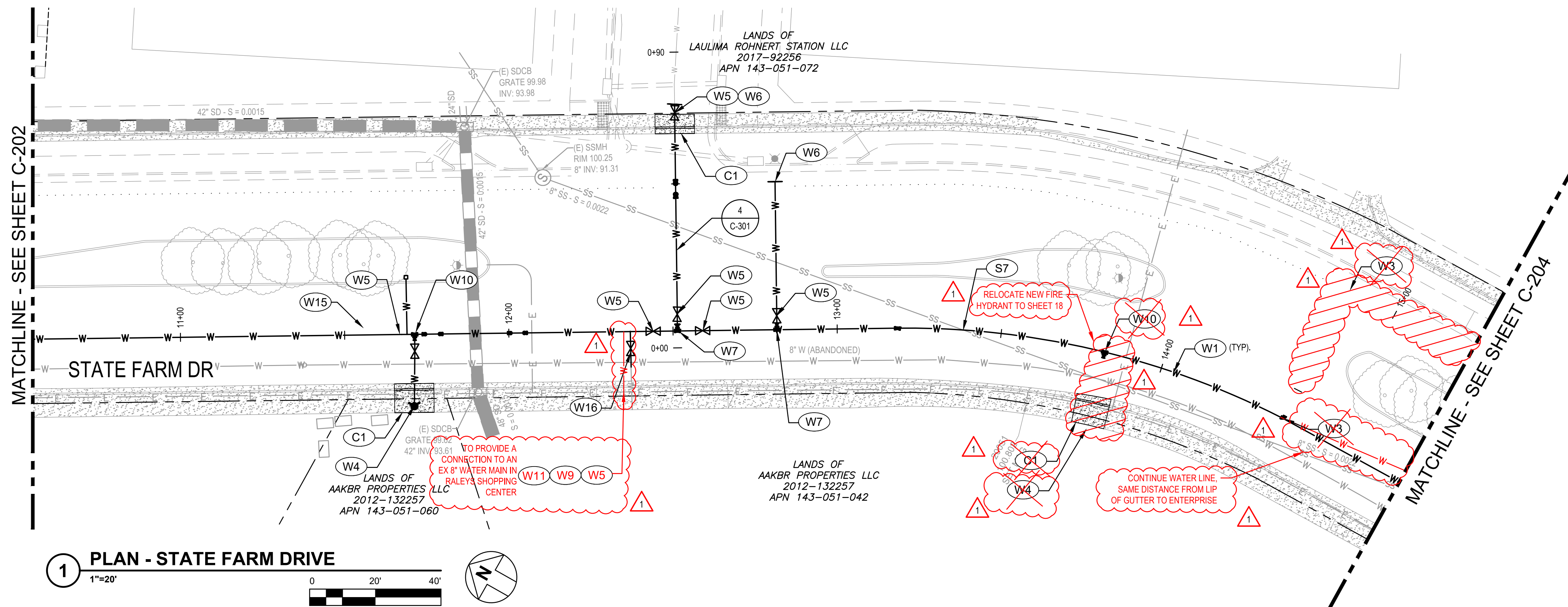
CITY OF ROHNERT PARK

DOWNTOWN INFRASTRUCTURE IMPROVEMENTS

Project No. 2018 - 40 + 2018 - 43

STATE FARM DR WATER IMPROVEMENT PLAN & PROFILE 2

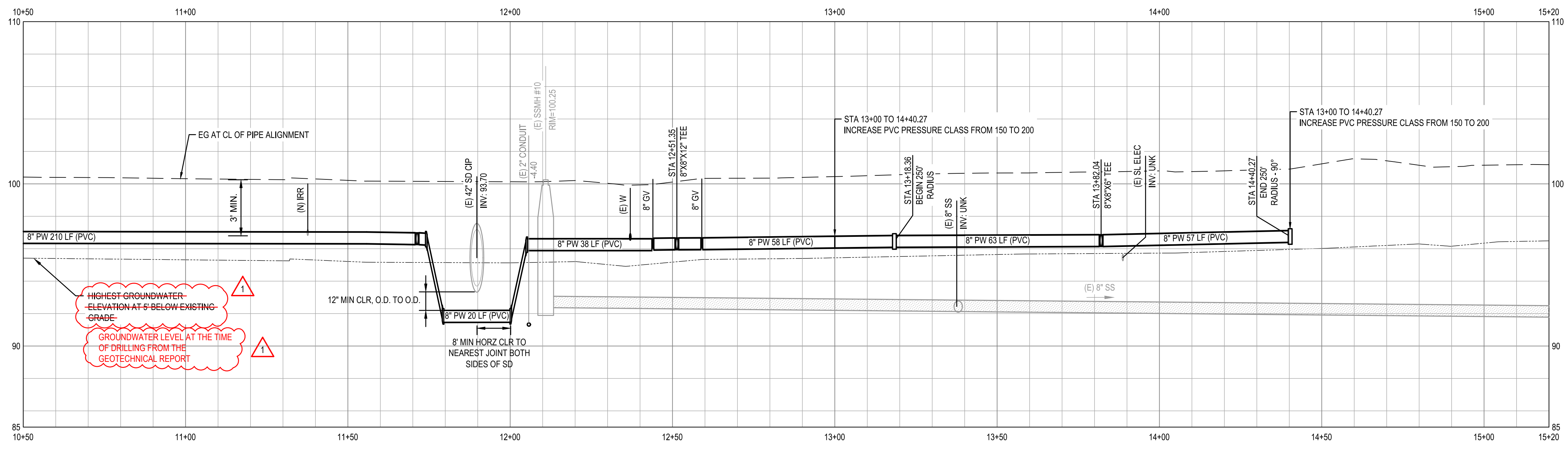
DESIGNED BY: MS
DRAWN BY: BM
CHECKED BY: SG
DATE: 02-01-2020
PROJECT: 11187329
DWG NO: C-202
SHEET
16 OF 37
SHEETS



1 PLAN - STATE FARM DRIVE
 1"=20'

- KEY NOTES**
- W1 INSTALL UTILITY TRENCH PER DETAIL 3/C-501.
 - W2 INSTALL 45° BEND. SEE PLAN FOR SIZE.
 - W3 INSTALL 8" 90° BEND.
 - W4 INSTALL FH PER CITY STANDARD 857.
 - W5 INSTALL GATE VALVE PER CITY STD 877. SEE PLAN FOR SIZE.
 - W6 INSTALL BLIND FLANGE FOR FUTURE CONNECTION.
 - W7 INSTALL 8"X8"X12" TEE.
 - W8 INSTALL 10"X10"X8" TEE.
 - W9 INSTALL 8"X8"X8" TEE.
 - W10 INSTALL 8"X8"X6" TEE.
 - W11 INSTALL FLEXIBLE COUPLING ADAPTOR AT CLEAN END OF (E) 8" ACP.
 - W12 INSTALL 8"X10" CROSS.
 - W13 CAP AND ABANDON EXISTING 10" POTABLE WATER. **INSTALL CITY STD 865A TO THE MANIFOLD.**
 - W14 **INSTALL 2" IRRIGATION LINE WITH GATE VALVE.**
 - W15 INSTALL AIR RELEASE VALVE PER CITY STANDARD 883.
 - W16 REPLACE (E) WATER SERVICE.
 - C1 REPLACE CURB, GUTTER, AND SIDEWALK PER CITY STD 237 AND 241.
 - C2 REPLACE STREET MEDIAN CURB PER CITY STD 242.
 - C3 WATER MAIN TRENCH PATCH FROM STA: 16+41.69 TO 18+88.07 SHALL EXTEND FROM SOUTHERLY GUTTER LIP TO NORTHERLY EDGE OF WESTBOUND NUMBER ONE LANE. APPROX. 22' WIDTH.
 - S7 SEWER WATER MAIN CROSSING DETAIL PER CITY STANDARD 516.

- SHEET NOTES**
1. CONTRACTOR TO VERIFY EXACT DEPTH OF (E) UTILITIES PRIOR TO CONSTRUCTION.
 2. CONTRACTOR SHALL NOTIFY PG&E A MINIMUM OF 48 HOURS IN ADVANCE OF ANY EXCAVATIONS WITHIN 5' OF EXISTING ELECTRICAL AND OR GAS LINES.
 3. CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN EXCAVATING NEAR AND CROSSING THE EXISTING PG&E GAS AND ELECTRICAL LINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIRS, AS WELL AS ALL ASSOCIATED COSTS IF UTILITIES ARE DAMAGED AS A RESULT OF PROJECT CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL CONFIRM EXACT LOCATION PRIOR TO ANY EXCAVATION ACTIVITIES AND SHALL NOTIFY PG&E, A MINIMUM OF 3 WORKING DAYS PRIOR TO ANY CONSTRUCTION ACTIVITY WITHIN 10 FEET OF THE UTILITIES.
 4. RESTRAIN ALL PRESSURE PIPE JOINTS AND FITTINGS IN ACCORDANCE WITH CITY OF ROHNERT PARK STANDARDS.
 5. PIPELINE INSTALLATION SHALL MEET THE REQUIREMENTS OF THE DIVISION OF DRINKING WATER FOR THE SEPARATION OF WATER MAINS AND NON-POTABLE PIPELINES. SEPARATION AND CLEARANCE REQUIREMENTS ARE FROM THE PIPELINE EDGE-TO-EDGE.
 6. LONGITUDINAL BENDING SHALL NOT EXCEED THE MANUFACTURER'S RECOMMENDED MAXIMUM VALUE. JOINT DEFLECTION OF PVC PIPELINE IS NOT PERMITTED.
 7. (E) UTILITY CROSSING ELEVATIONS ARE SHOWN AT CL ALIGNMENT.
 8. ROOT BARRIER PROTECTION TO BE APPLIED TO PORTIONS OF WATER LINE RUNNING PARALLEL TO TREES IN MEDIAN.



2 PROFILE - STATE FARM DRIVE
 HOR: 1"=20' VER: 1"=4'

LOCATION OF EXISTING UTILITIES AND STRUCTURES ARE FROM THE BEST INFORMATION AVAILABLE. EXACT LOCATION AND COMPLETENESS ARE NOT GUARANTEED. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICES ALERT (800) 227-2600 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION AND POTHOLE FOR EXACT LOCATION.

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CITY OF ROHNERT PARK
 130 AVRAM AVENUE
 ROHNERT PARK, CALIFORNIA 94928
 PHONE: (707) 588-2232 FAX: (707) 794-9242

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 GHD Inc.
 2235 Mercury Way Suite 150
 Santa Rosa California 95407 USA
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RECORD DRAWING
MAY 26, 2020

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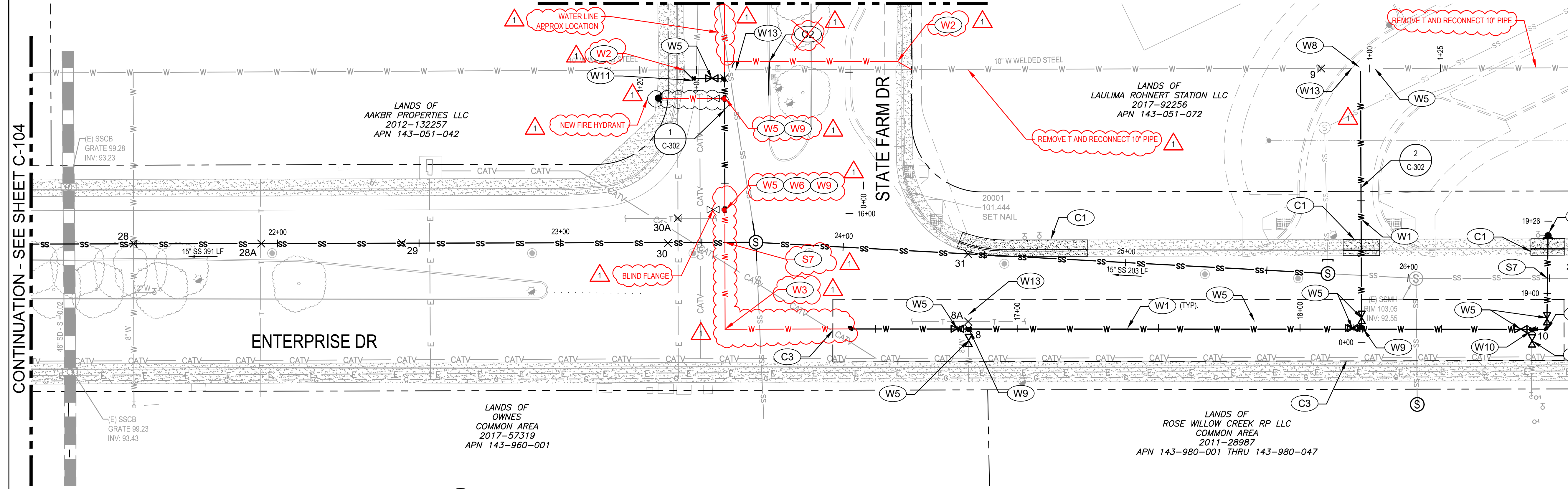
CITY OF ROHNERT PARK
DOWNTOWN INFRASTRUCTURE IMPROVEMENTS
 Project No. 2018 - 40 + 2018 - 43

STATE FARM DR WATER IMPROVEMENT PLAN & PROFILE 3

DESIGNED BY: MS
 DRAWN BY: BM
 CHECKED BY: SG
 DATE: 02-01-2020
 PROJECT: 11187329
 DWG NO: C-203
 SHEET
17 OF 37
 SHEETS

CONTINUATION - SEE SHEET C-104

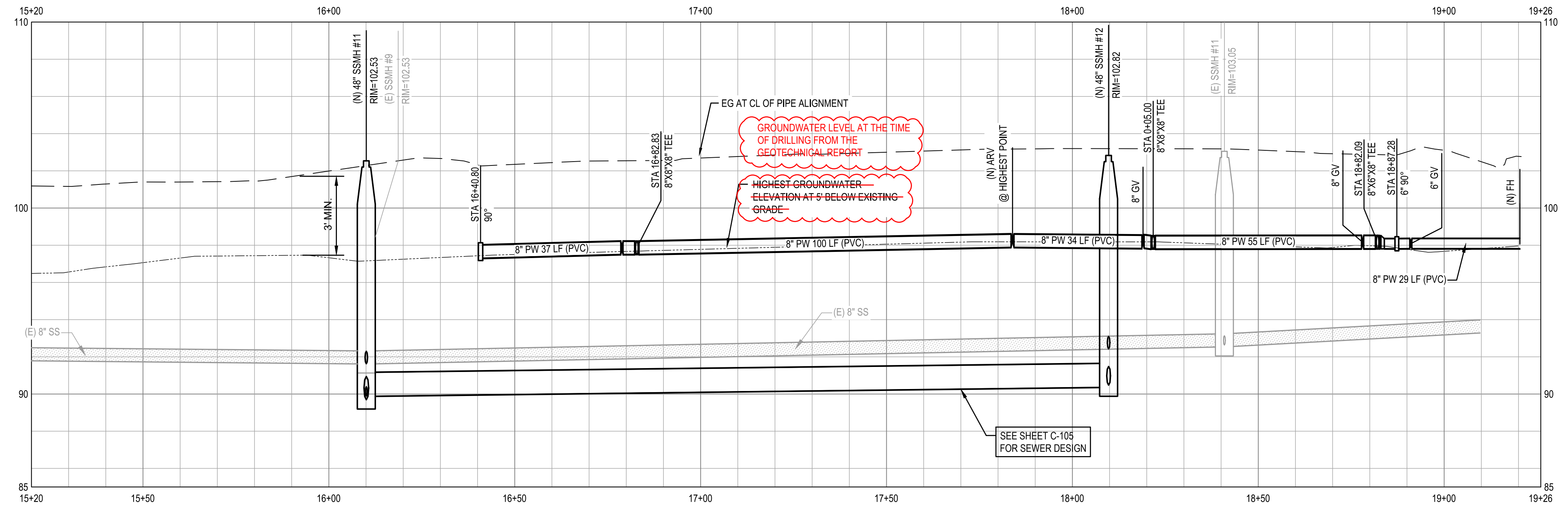
MATCHLINE - SEE SHEET C-203



- ### KEY NOTES
- W1 INSTALL UTILITY TRENCH PER DETAIL 3/C-501.
 - W2 INSTALL 45° BEND. SEE PLAN FOR SIZE.
 - W3 INSTALL 8" 90° BEND.
 - W4 INSTALL FH PER CITY STANDARD 857.
 - W5 INSTALL GATE VALVE PER CITY STD 877. SEE PLAN FOR SIZE.
 - W6 INSTALL BLIND FLANGE FOR FUTURE CONNECTION.
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 - W15 INSTALL AIR RELEASE VALVE PER CITY STANDARD 883.
 - W16 REPLACE (E) WATER SERVICE.
 - C1 REPLACE CURB, GUTTER, AND SIDEWALK PER CITY STD 237 AND 241.
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 - S7 SEWER WATER MAIN CROSSING DETAIL PER CITY STANDARD 516.

- ### SHEET NOTES
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1 PLAN - ENTERPRISE DRIVE
1"=20'



2 PROFILE - ENTERPRISE DRIVE
HOR: 1"=20' VER: 1"=4'

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T 1 707 523 1010 F 1 707 527 8679 W www.ghd.com

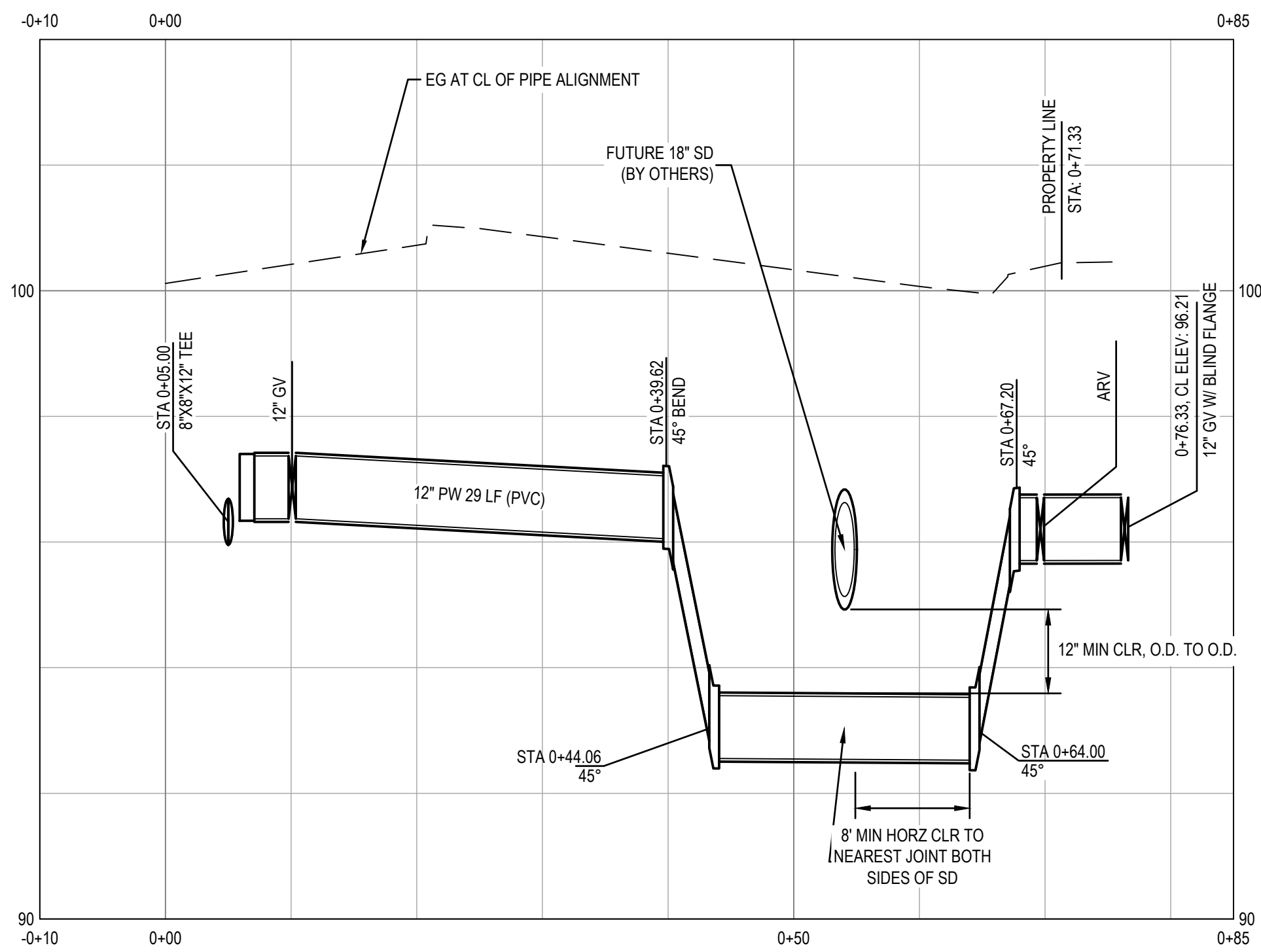
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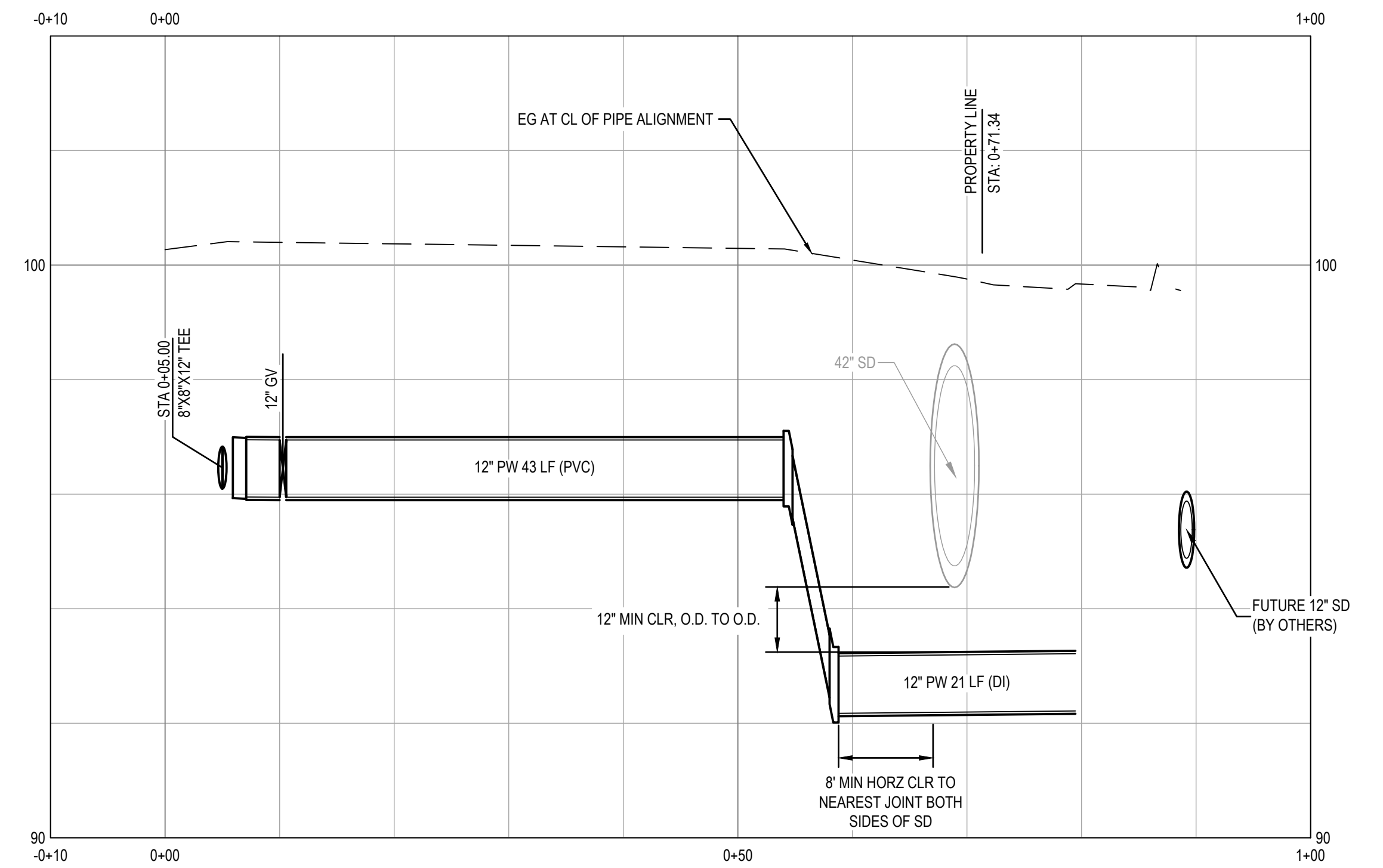
CITY OF ROHNERT PARK
DOWNTOWN INFRASTRUCTURE IMPROVEMENTS
Project No. 2018 - 40 + 2018 - 43

ENTERPRISE DR WATER IMPROVEMENT PLAN & PROFILE 1

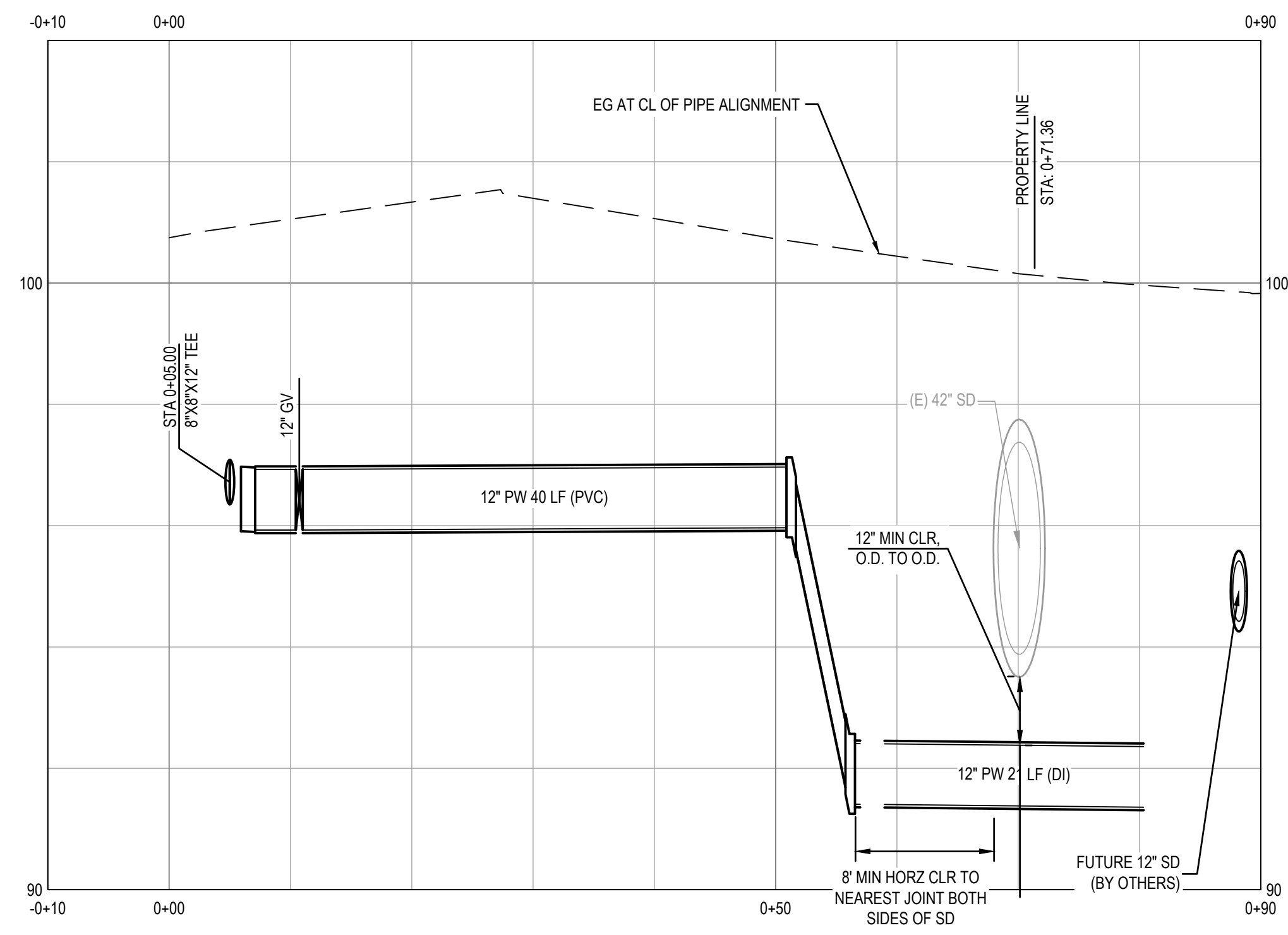
DESIGNED BY: MS
DRAWN BY: BM
CHECKED BY: SG
DATE: 02-01-2020
PROJECT: 11187329
DWG NO: C-204
SHEET
18 OF 37
SHEETS



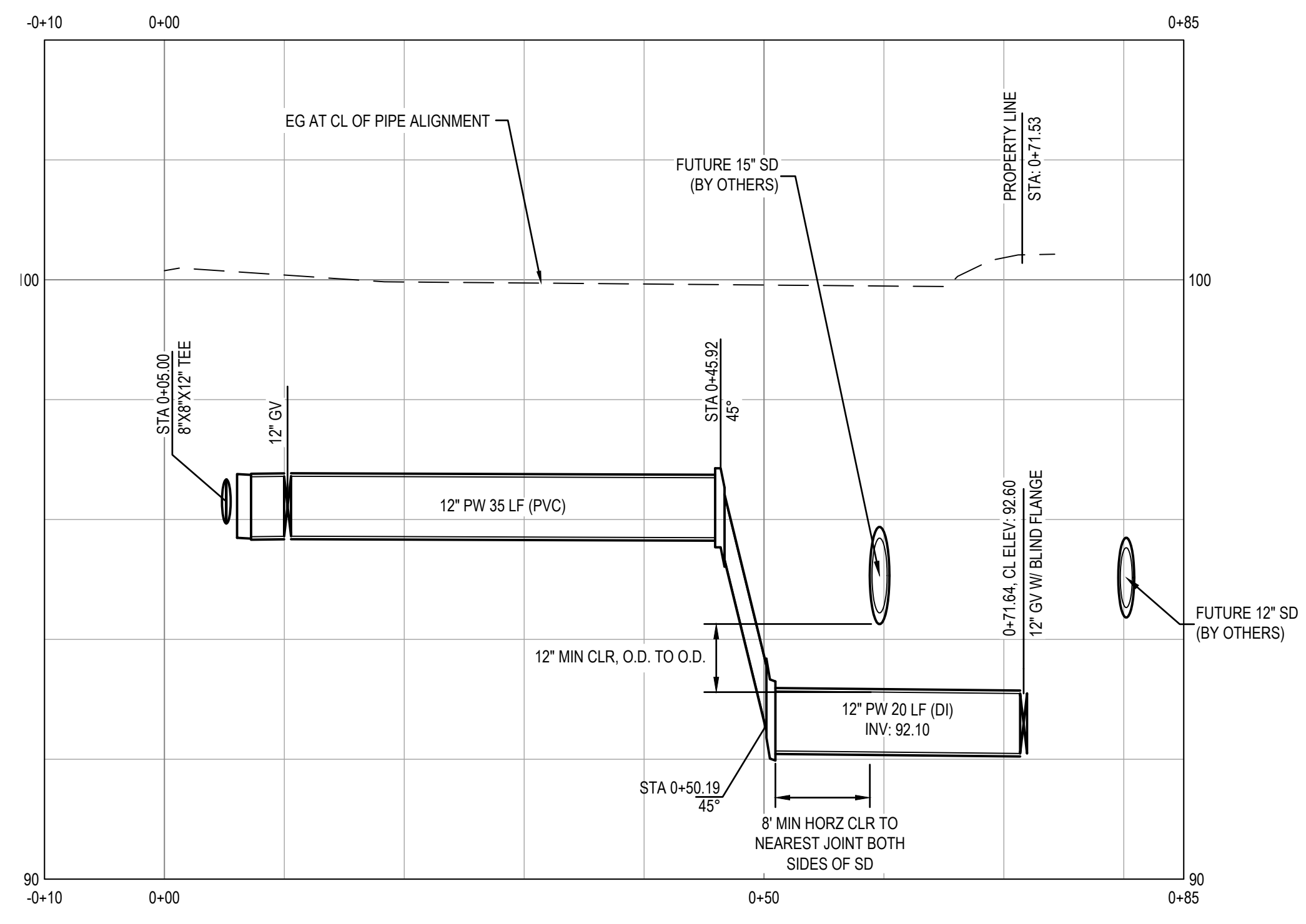
1 DISCOVERY LANE WATER CONNECTION
C-201 NTS



2 VENTURE AVE WATER CONNECTION
C-202 NTS



3 STATION AVE WATER CONNECTION
C-202 NTS



4 SPIRIT AVE WATER CONNECTION
C-203 NTS

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CITY OF ROHNERT PARK

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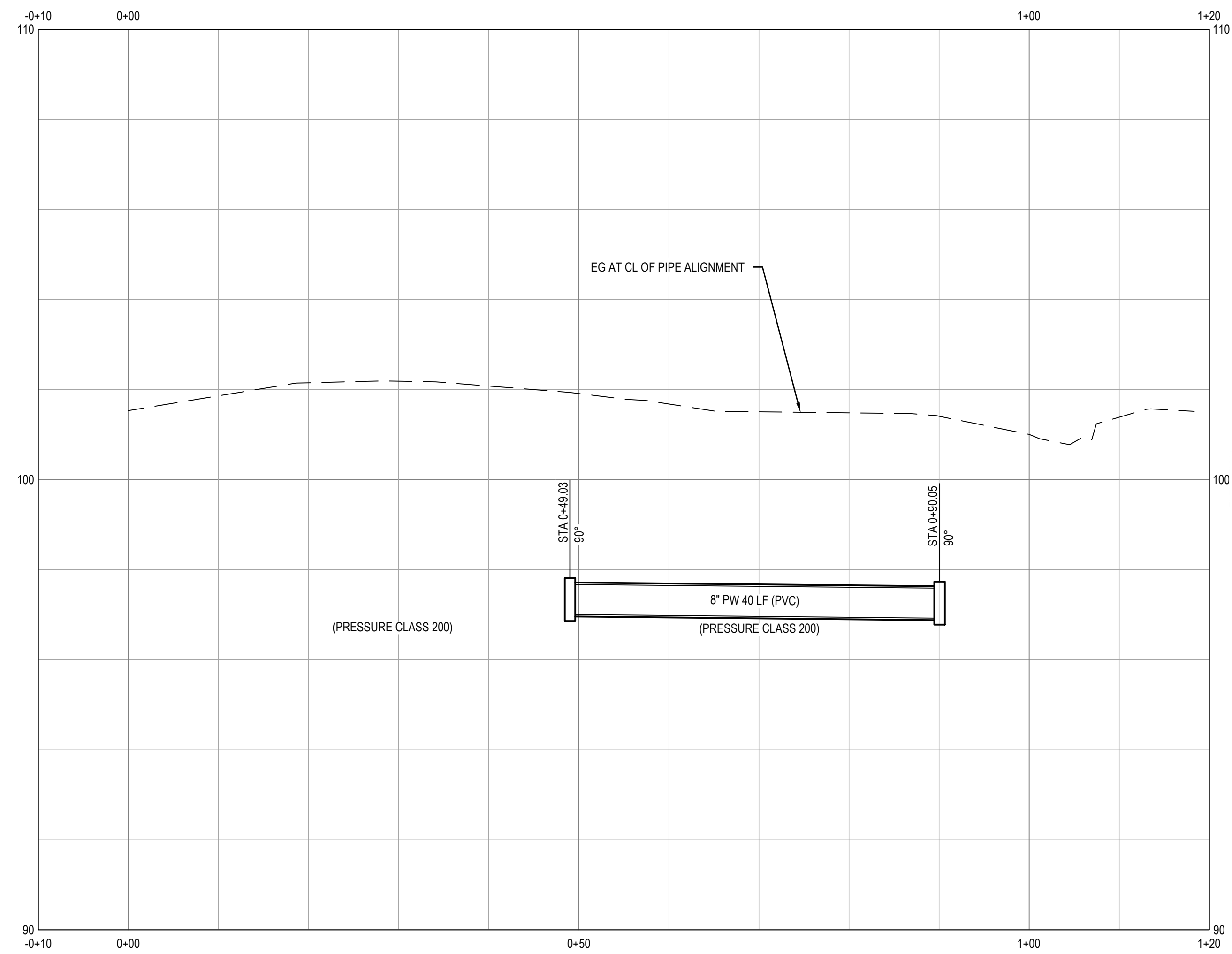
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DOWNTOWN INFRASTRUCTURE IMPROVEMENTS
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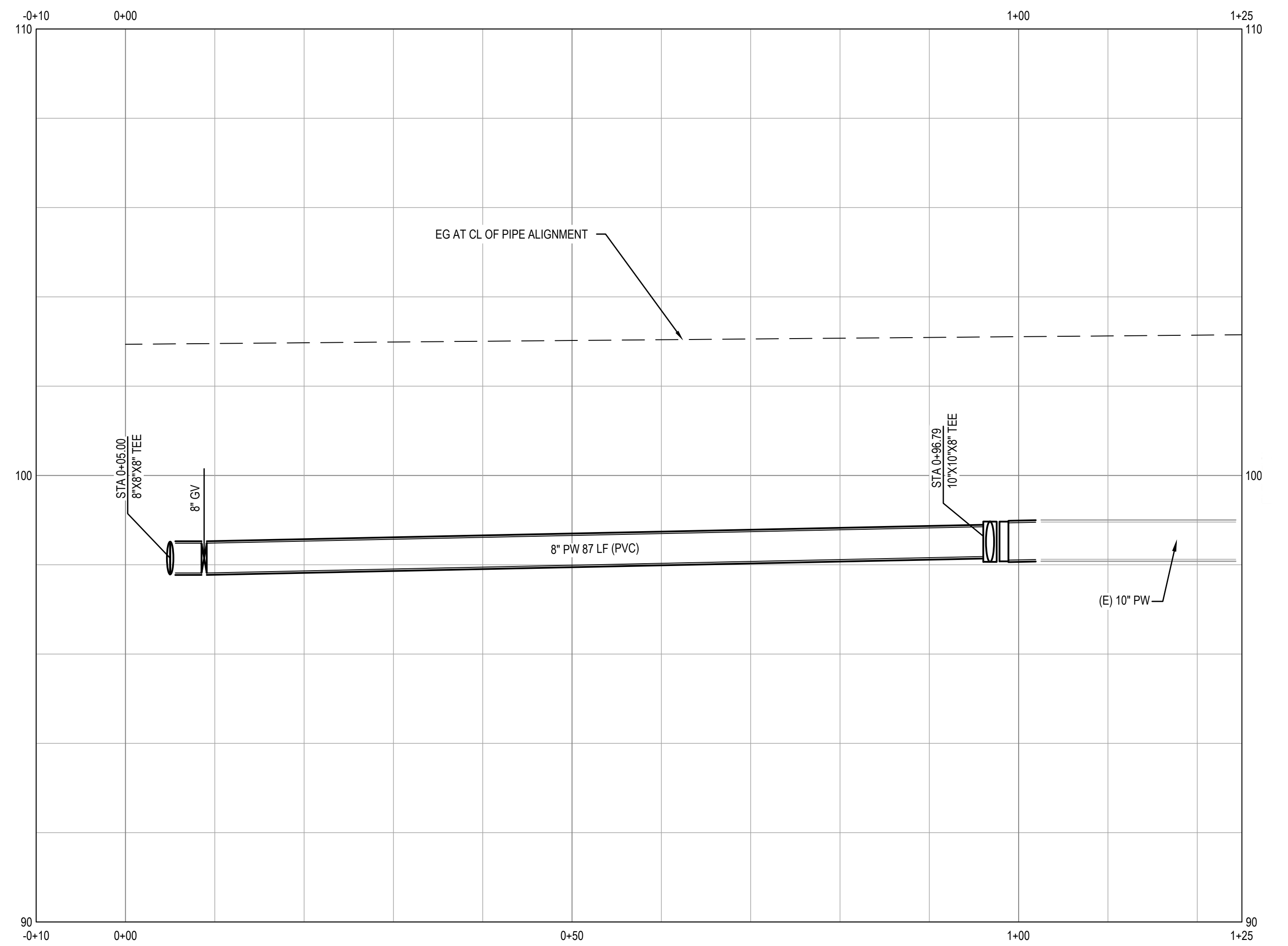
STATE FARM DR WATER CONNECTION PROFILES

DESIGNED BY: MS
DRAWN BY: BM
CHECKED BY: SG
DATE: 02-01-2020
PROJECT: 11187329
DWG NO: C-301
SHEET
19 OF 37
SHEETS

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1 CONNECTION TO (E) 10-INCH WEST WATER LINE
C-204 NTS



2 CONNECTION TO (E) 10-INCH EAST WATER LINE
C-204 NTS

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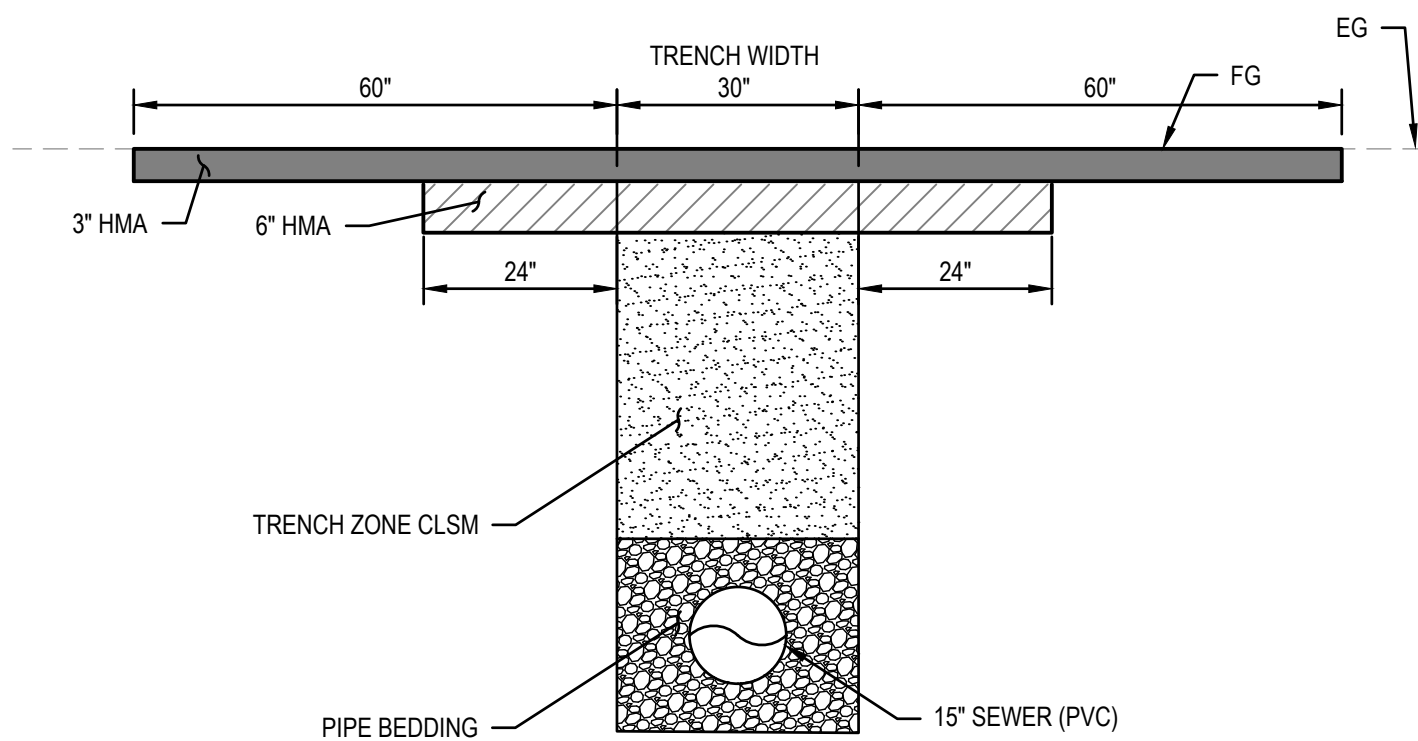
CITY OF ROHNERT PARK
DOWNTOWN INFRASTRUCTURE IMPROVEMENTS
Project No. 2018 - 40 + 2018 - 43

ENTERPRISE DR WATER CONNECTION PROFILES

DESIGNED BY: MS
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CHECKED BY: SG
DATE: 02-01-2020
PROJECT: 11187329
DWG NO: C-302
SHEET
20 OF 37
SHEETS

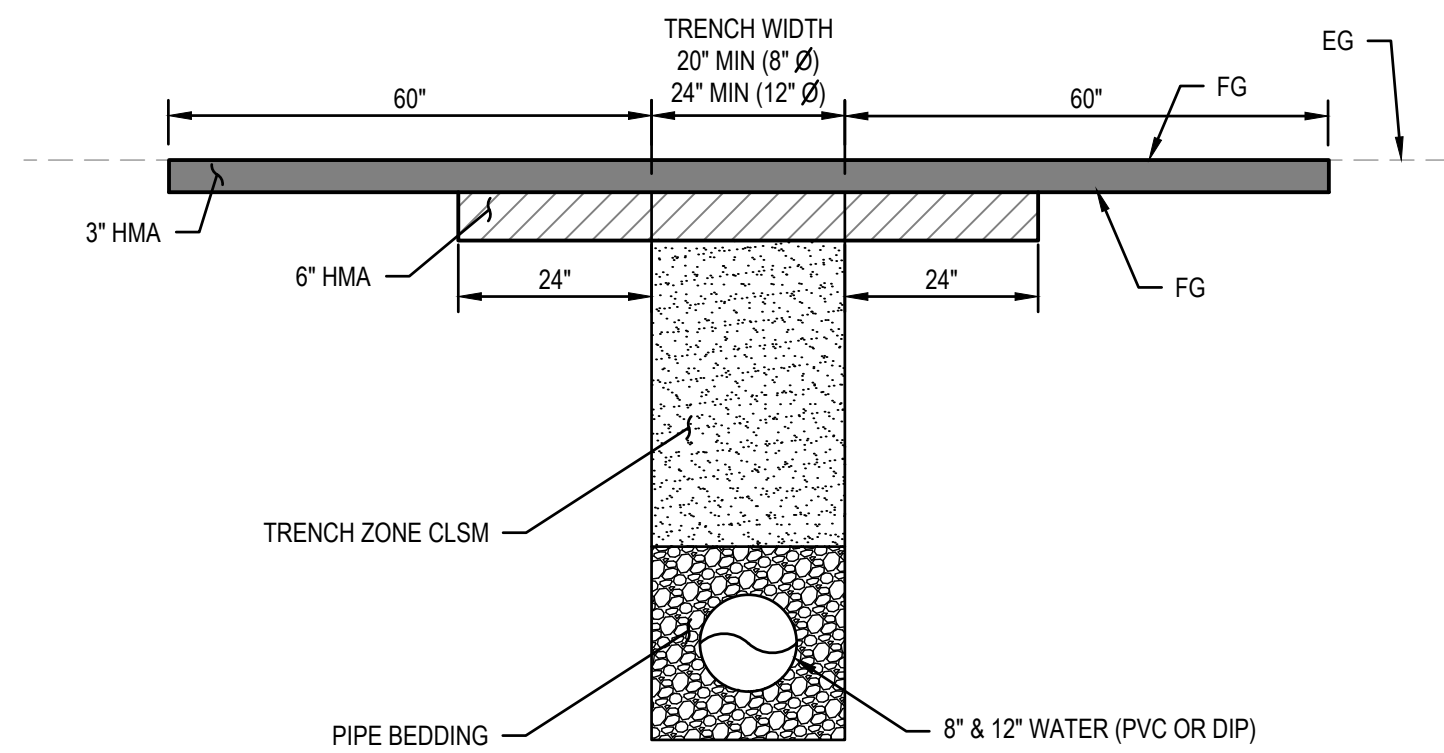
FITTING	SIZE	RESTRAINT LENGTH (EITHER SIDE OF FITTING)	
		DIP	PVC
11.25° HORIZONTAL BEND	8"	4-FT	4-FT
22.5° HORIZONTAL BEND	8"	7-FT	8-FT
45° HORIZONTAL BEND	8"	14-FT	17-FT
90° HORIZONTAL BEND	8"	32-FT	41-FT
45° VERTICAL BEND	8"	LOW SIDE = 9-FT HIGH SIDE = 31-FT	LOW SIDE = 11-FT HIGH SIDE = 60-FT
TEE (RUN x BRANCH)	8"x8"x8"	RUN = 10-FT BRANCH = 16-FT	RUN = 10-FT BRANCH = 29-FT
TEE (RUN x BRANCH)	8"x8"x12"	RUN = 10-FT BRANCH = 16-FT	RUN = 10-FT BRANCH = 29-FT
DEAD END	8"	TBD	TBD

1 PIPE RESTRAINT LENGTHS
- NTS



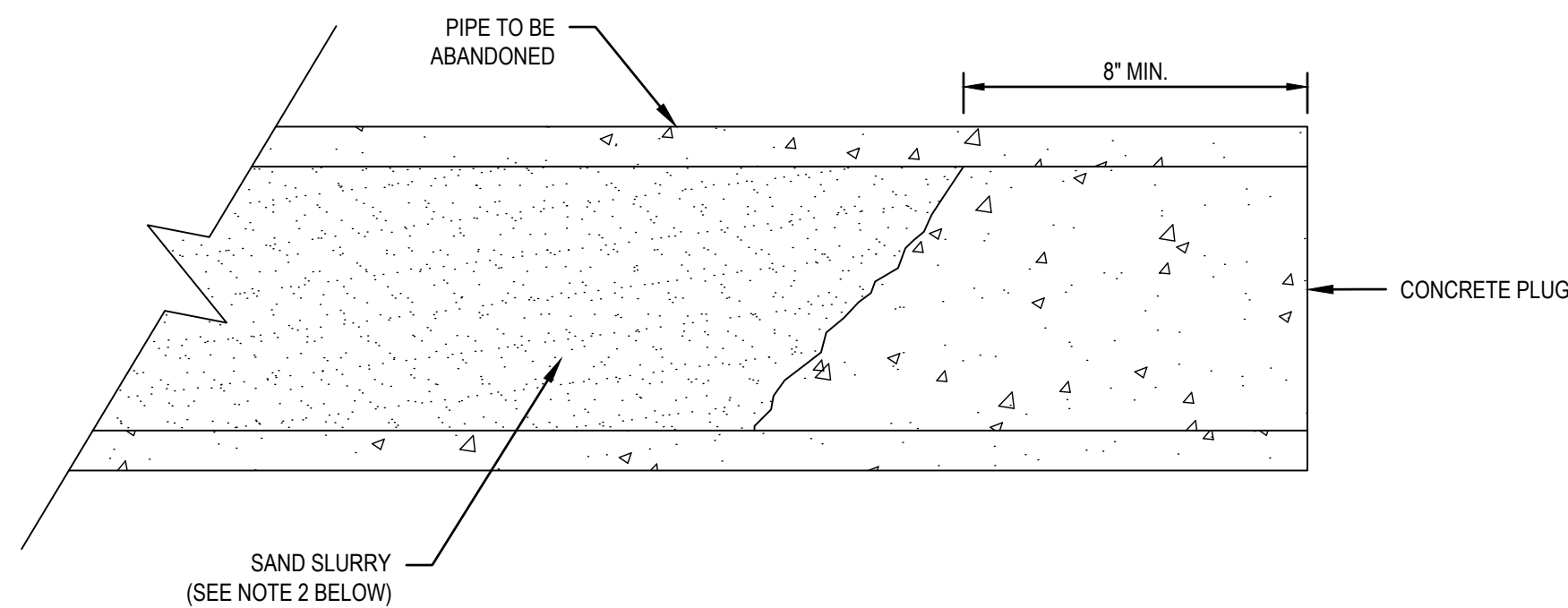
NOTES:
1. SEE CITY STANDARD DETAIL 215 FOR TRENCH BACKFILL AND PIPE BEDDING VARIATIONS BASED ON TYPE.

2 TRENCH DETAIL - 15" SEWER (PER CITY STANDARD 215)
- NTS



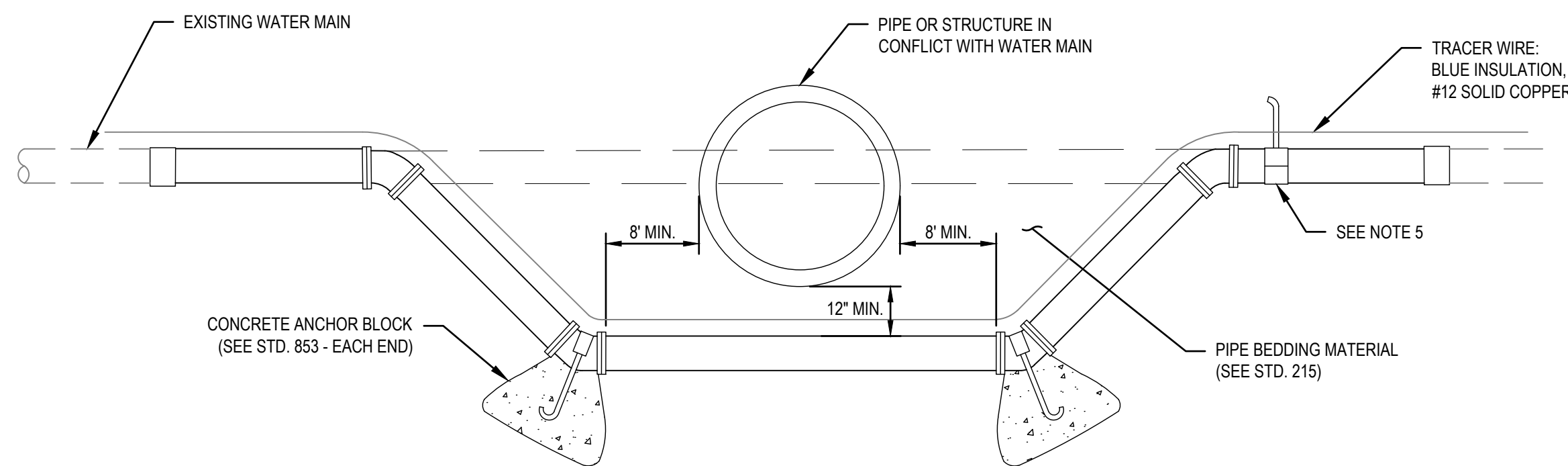
NOTES:
1. SEE CITY STANDARD DETAIL 215 FOR TRENCH BACKFILL AND PIPE BEDDING VARIATIONS BASED ON TYPE.

3 TRENCH DETAIL - 8" & 12" WATER (PER CITY STANDARD 215)
- NTS



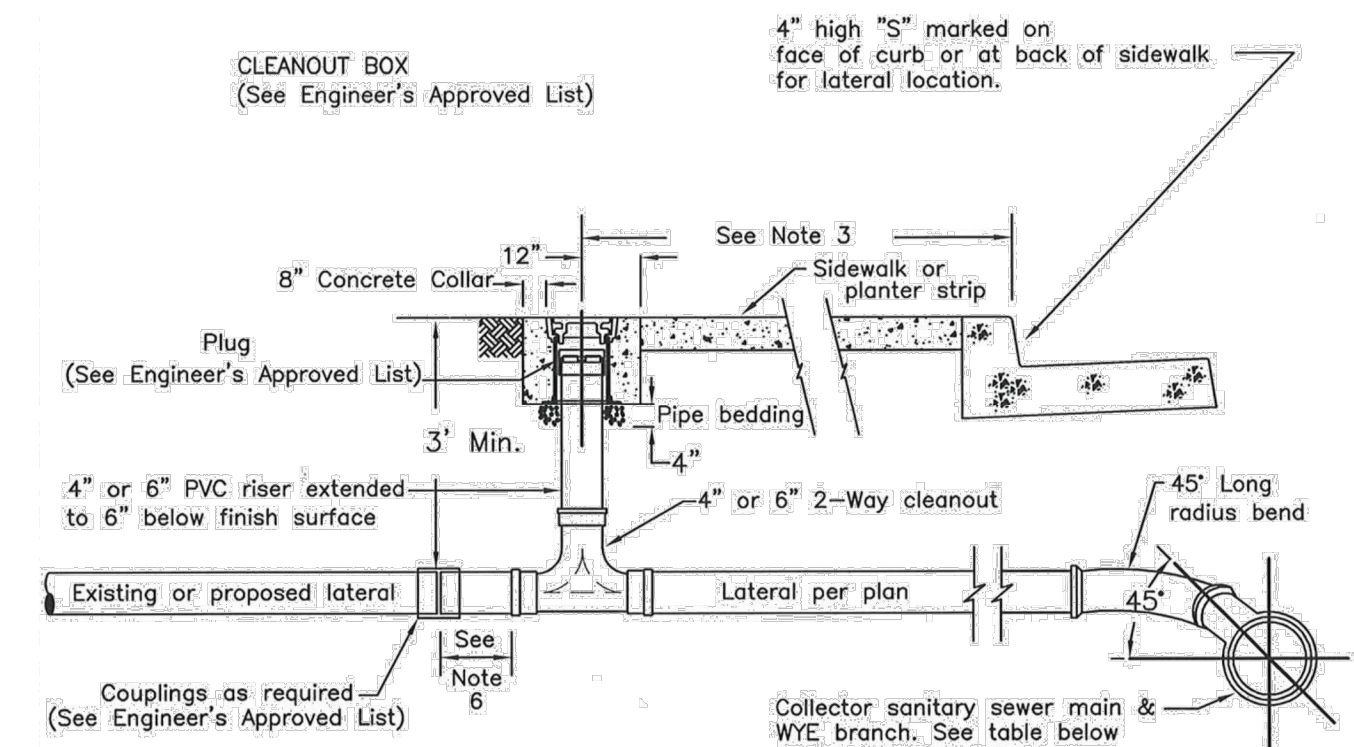
NOTES:
1. PIPE PLUGS SHALL BE INSTALLED TO THE SATISFACTION OF THE CITY ENGINEER.
2. ABANDONED PIPES SHALL BE BROKEN EVERY 50' AND BE FILLED COMPLETELY WITH SAND SLURRY.
3. TO ABANDON A WATER SERVICE, EXPOSE, REMOVE SERVICE SADDLE OR TEE AND INSTALL STAINLESS STEEL FULL CIRCLE CLAMP OR SPOOL WITH APPROPRIATE COUPLINGS PER SECTION XVII ABANDONMENT OF WATER MAINS AND SERVICES OF THE MANUAL OF STANDARDS, DESIGN STANDARDS. NOTE: SUBJECT TO CITY ENGINEER'S INSPECTION.
4. DETAIL DERIVED FROM CITY STANDARD 507.

4 PIPE ABANDONMENT (LESS THAN 12" DIAMETER)
- NTS



NOTES:
1. ALL PIPE AND FITTINGS SHALL BE DUCTILE IRON & SHALL BE WRAPPED IN POLYETHYLENE PER CITY OF ROHNERT PARK STD. CONSTRUCTION SPECIFICATIONS FOUND IN SECTION 71 (71-1.02C) SEWER.
2. ONLY MECHANICAL JOINT FITTINGS WITH RESTRAINED JOINTS SHALL BE USED.
3. ALL BENDS SHALL BE 45° OR 22-1/2° FITTINGS - NO 90° BENDS ALLOWED.
4. TO BE USED ONLY AT THE DIRECT APPROVAL OF THE CITY ENGINEER.
5. INSTALL AIR AND VACUUM/AIR RELEASE VALVE AT HIGH POINT PER STD. 883.
6. INSTALLATION MUST COMPLY WITH CHD STANDARDS.

5 POTABLE WATER LINE CROSSING
- NTS



NOTES:
1. The sewer service lateral shall be of sufficient depth to adequately serve the building site, and in no case shall be less than 3 FT. deep at the cleanout unless otherwise authorized by the City Engineer.
2. Where problems are anticipated in providing sewer service to a given building site, the lateral invert at the cleanout shall be staked by the owner's engineer.
3. Cleanout must be installed within the Public Right of Way or P.U.E. Cleanout to be installed 18" from face of curb or 12" maximum behind sidewalk. Where service is in driveway, install cleanout 18" behind apron.
4. In cases where the cleanout installation conflicts with existing facilities, the contractor shall verify any alternate location with the City Engineer prior to installation.
5. Minimum 2% slope for 4" laterals and a min. 1% slope for 6" laterals are required unless a variance is specifically approved by City Engineer and the Building Official.
6. A minimum of 12" when connecting to existing sewer lateral or extend to 1' behind P.U.E. or sidewalk for new construction.
7. For new construction, install cap or plug at end of service lateral.
8. Lateral material shall be PVC SDR 26 or Ductile Iron.
9. Cleanout components shall be the same size as the lateral.
10. Tap fittings on mains smaller than 12" may only be used under the approval of City Engineer.
11. All service lateral joints shall have water tight gaskets.
12. Trench details shall be per City STD. 215.
13. Lateral joints are to be wrapped using 60mil 6" corrosion prevention tape.

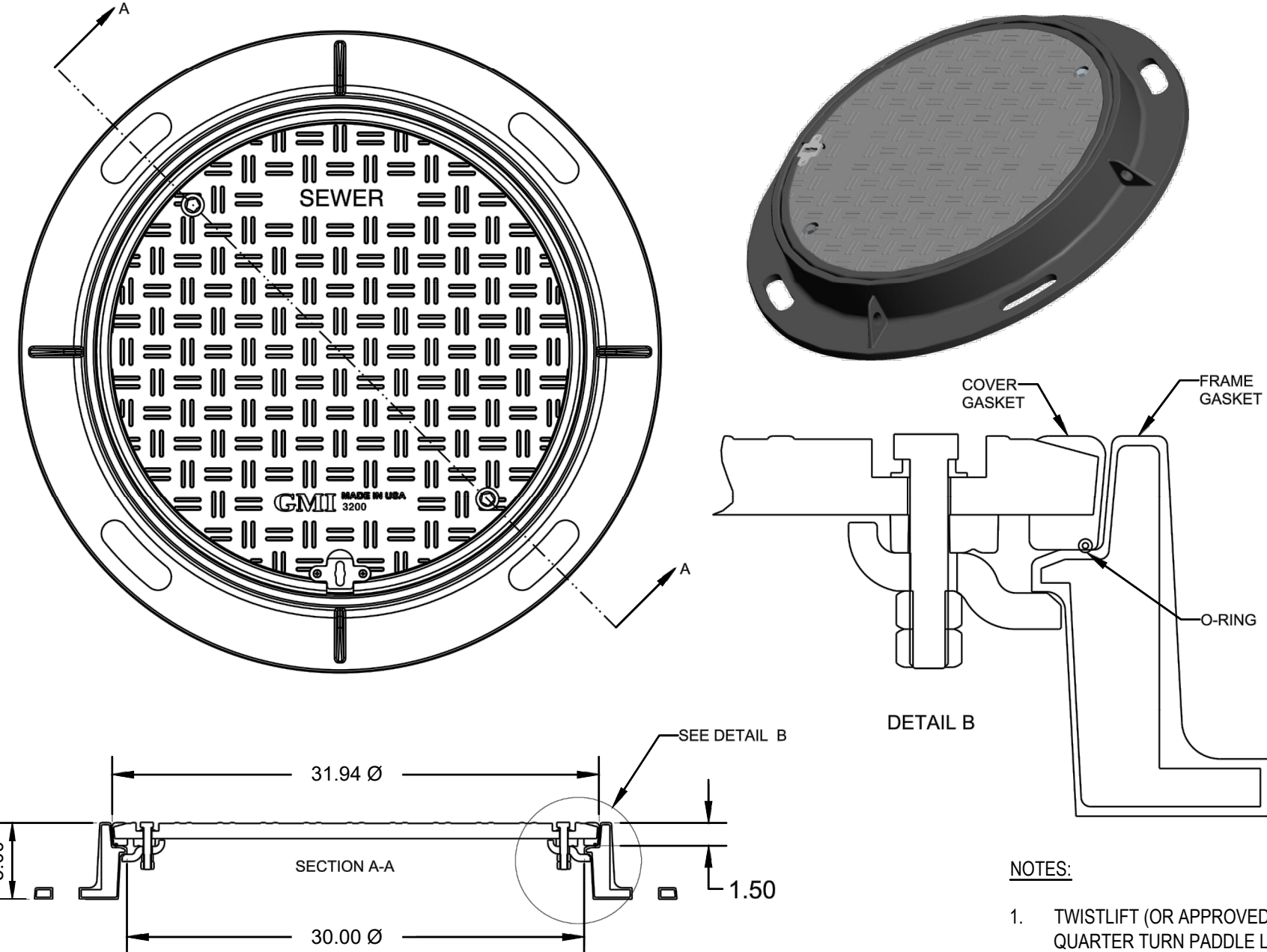
LATERAL CONNECTIONS TO EXISTING MAINS.		
Main Size & Material	Connection Type	Couplings
6-10" ACP, VCP	Cut in PVC wye w/12" spoofs each end	Rubber w/Steel shear bands
6-10" PVC	Cut in PVC wye w/12" spoofs each end	Rigid water tight slip couplings
6-10" DIP	Cut in DIP wye w/12" spoofs each end	DIP couplings
12" and larger	Tap fitting see Engineer's approved list	NA

6 4" AND 6" SEWER SERVICE LATERAL AND CLEANOUT (PER CITY STD 513)
- NTS



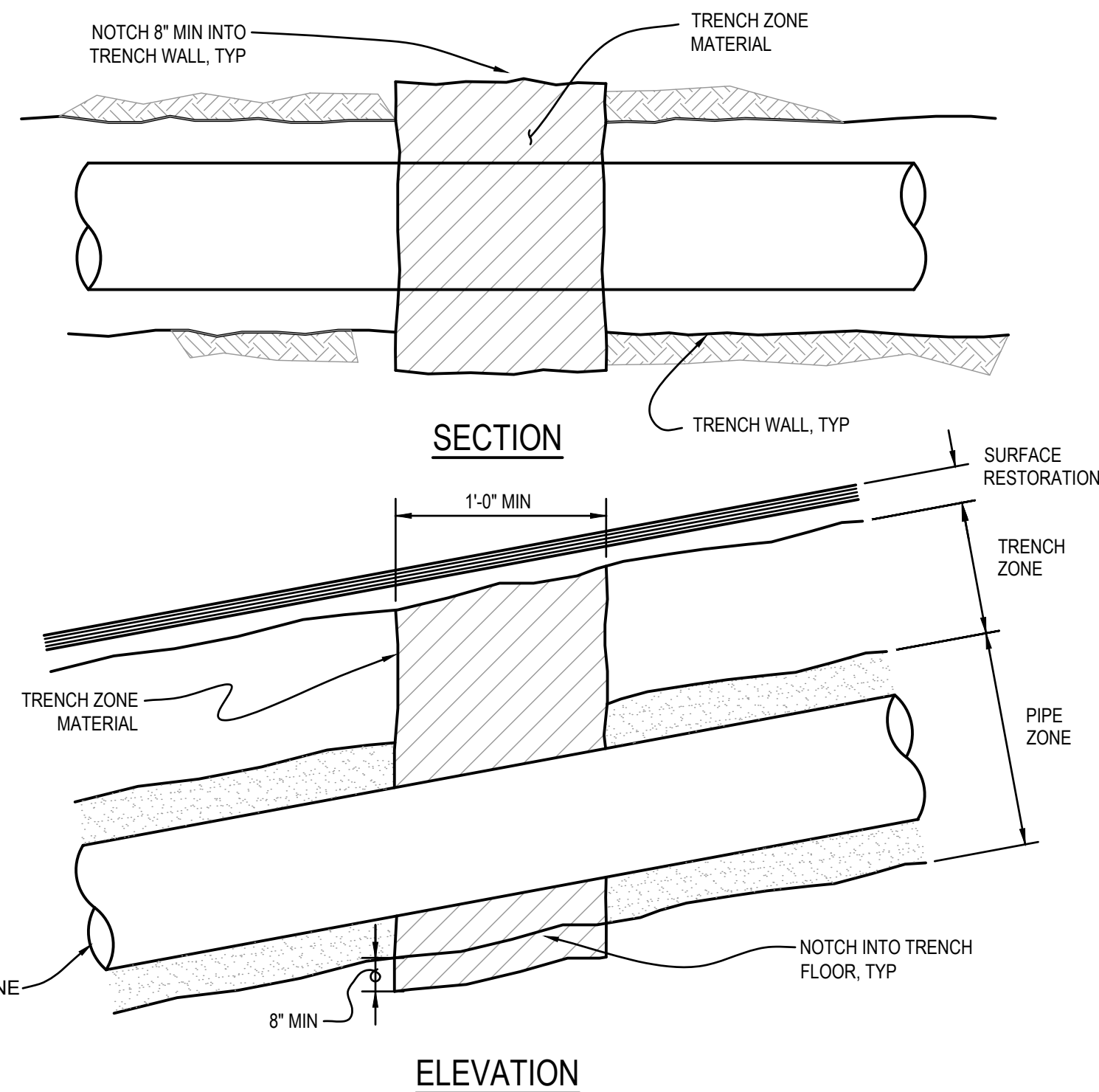
REV. NO.	DATE	DESCRIPTION	BY

I:\GHD\NET\GHD\US\SANTA ROSA\PROJECTS\11187329 RP DOWNTOWN SEWER IMP\06-CAD\SHEETS\11187329 C-501 THRU C-503



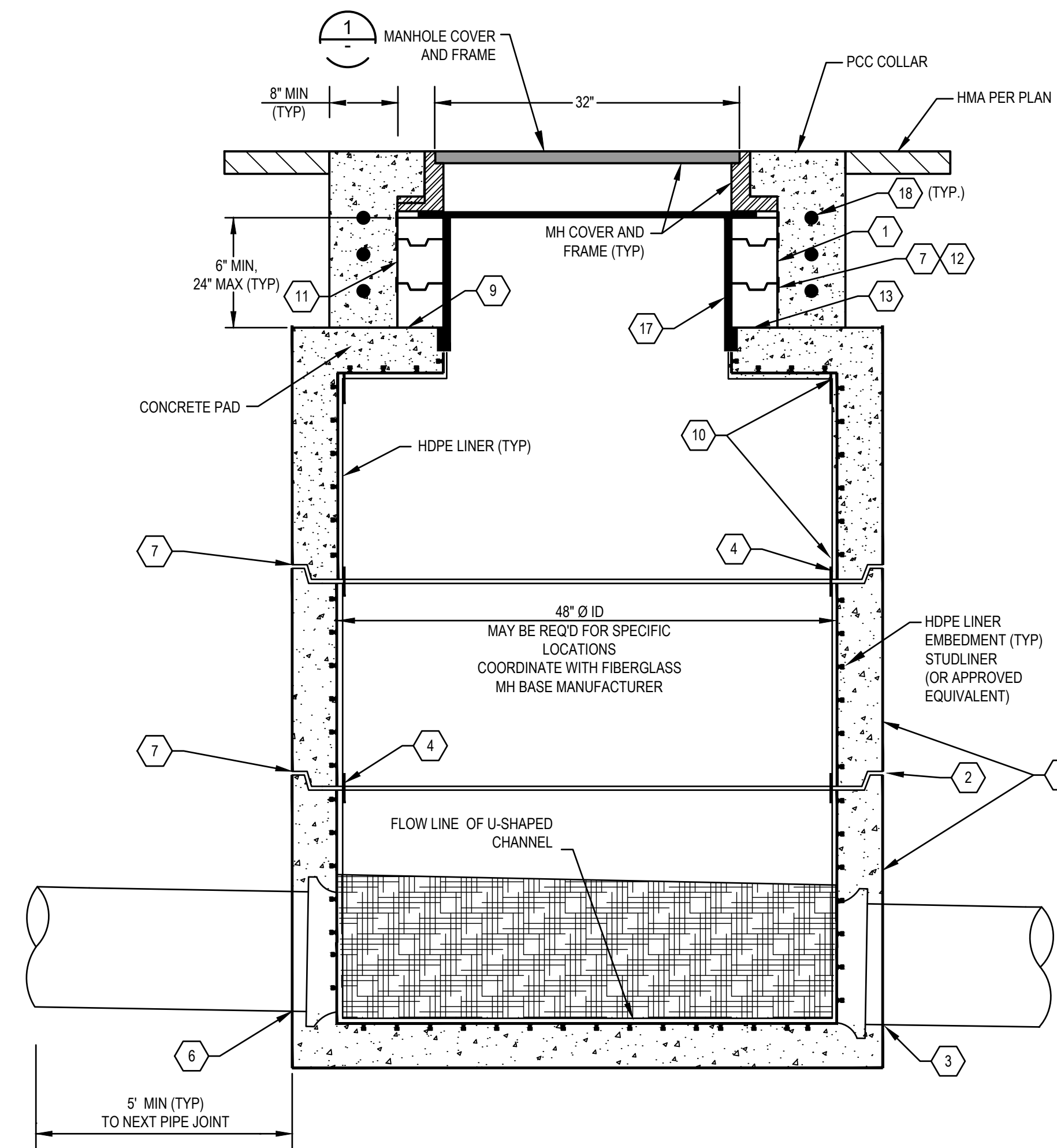
**TRUNK SEWER
MANHOLE FRAME AND COVER**

1
VAR
NTS



TRENCH CUTOFF

2
VAR
NTS

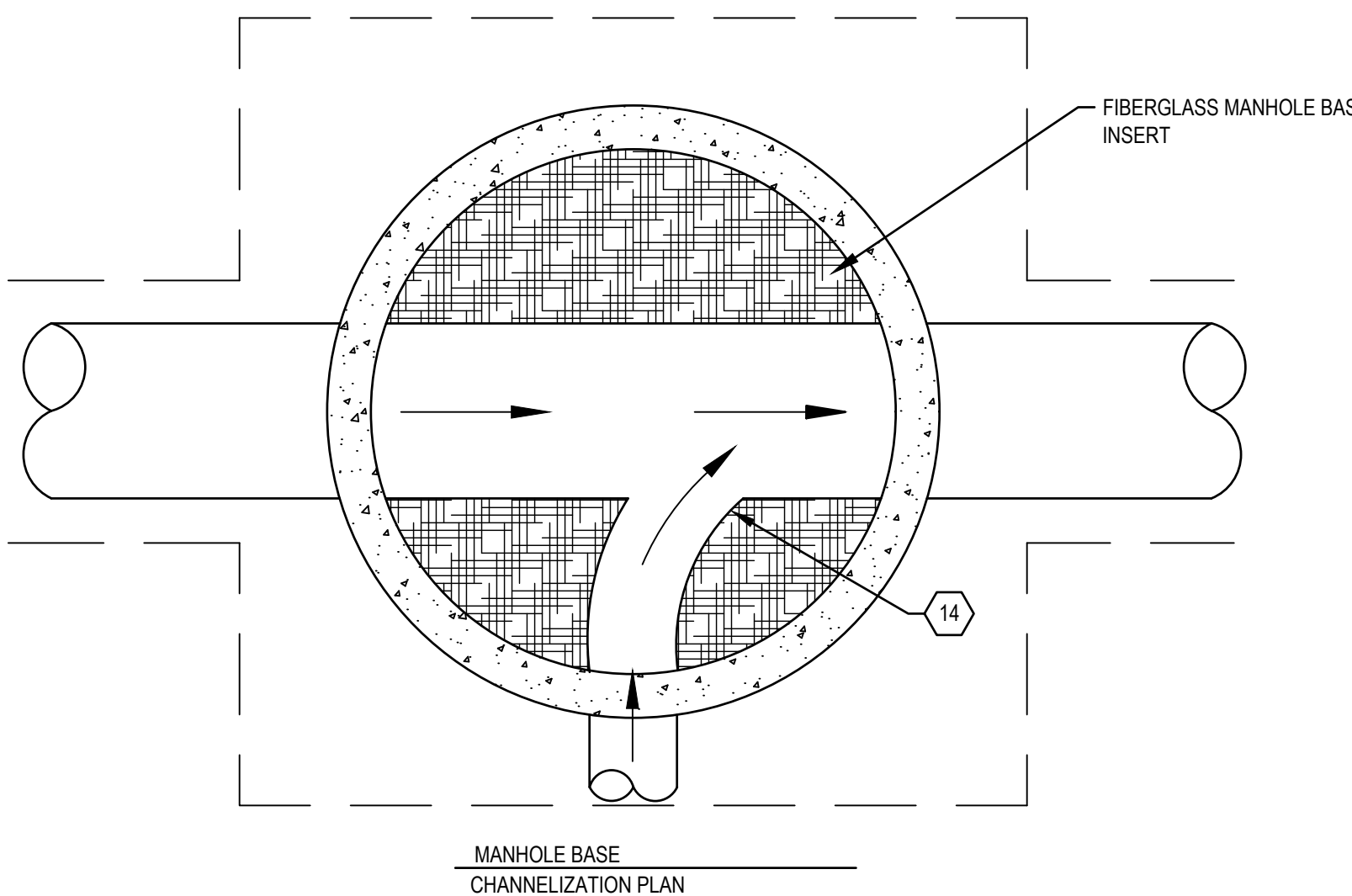


**PRECAST CONCRETE
SANITARY SEWER MANHOLE**

3
VAR
NTS

KEYNOTES:

- MIN. OF TWO 3" HDPE GRADE ADJUSTMENT RINGS, MAX. OF ONE 1/4" HDPE GRADE RING.
- SET ALL BARREL SECTIONS IN PLASTIC GASKET, RAM-NEK OR APPROVED ALTERNATE. TYPICAL JOINT USE (2) 3/4"X 2-1/2" RAM-NEK SEALS.
- AFTER STAB OF PIPE, INSTALL BACKER ROD AND 1" MIN 100% SILICONE CAULK TO MH EXTERIOR (TYP).
- OVERLAP HDPE LINER 6" MIN (TYP). FIELD WELD OVERLAPPED SECTIONS.
- PRE-CAST MANHOLE BASE AND BARREL SECTIONS WITH INTEGRAL HDPE LINER. MANHOLE BASE TO BE PREFABRICATED FIBERGLASS WITH GASKETED BELL CONNECTIONS. CONTRACTOR TO COORDINATE MANHOLE BASE FABRICATION WITH FIBERGLASS AND CONCRETE PRE-CAST FACILITIES FOR PREPARATION OF SHOP DRAWINGS. SHOP DRAWINGS TO BE SUBMITTED AND APPROVED PRIOR TO FABRICATION.
- VERIFY INLET / OUTLET ELEVATIONS AND ORIENTATION BEFORE ORDERING PRECAST PRODUCTS.
- INSTALL EXTERNAL JOINT SEAL AT ALL BARREL CONNECTION SECTION AND GRADE RINGS.
- TRIM BOTTOM OF FIRST HDPE GRADE RING TO SIT FLUSH ON MH SLAB.
- SPARK TEST PER SPECIFICATION (TYP).
- VACUUM TEST RING JOINTS PER SPECIFICATION (TYP).
- TAPE WRAP HDPE GRADE RING JOINTS WITH 50 MIL CORROSION TAPE (TYP).
- APPLY SEALANT BETWEEN GRADE RING AND TOP OF SLAB (TYP).
- MATCH CROWN ELEVATIONS FOR CONNECTING PIPELINES.
- BENCH ELEVATION SHALL NOT EXCEED 12" HIGHER THAN SS CROWN ELEVATION.
- ALIGN MANHOLE COVER AND FRAME CONCENTRIC TO STRUCTURE, EXCEPT FOR MANHOLES WITH DROP CONNECTIONS, WHICH SHALL HAVE ECCENTRIC ALIGNMENT (OPPOSITE SIDE OF DROP).
- 30" TELESCOPIC ACCESS COLLAR. LENGTH PER FIELD CONDITIONS AND MFR RECOMMENDATIONS.
- HAND PACK NON-SHRINK GROUT BETWEEN FRAME, ACCESS COLLAR, AND GRADE RING.
- #4 REBAR HOOPS (2" MIN COVER, EVENLY SPACED).



IGHDNET\GHD\US\SANTA ROSA\PROJECTS\1111111187329 RP DOWNTOWN SEWER IMP\06-CADD\SHEETS\11187329 C-501 THRU C-503

CITY OF ROHNERT PARK
130 AVRAM AVENUE
ROHNERT PARK, CALIFORNIA 94928
PHONE: (707) 588-2232 FAX: (707) 794-9242



REV. NO.	DATE	DESCRIPTION	BY



GHD Inc.
2235 Mercury Way Suite 150
Santa Rosa California 95407 USA
T 1 707 523 1010 F 1 707 527 8679 W www.ghd.com

**RECORD DRAWING
MAY 26, 2020**

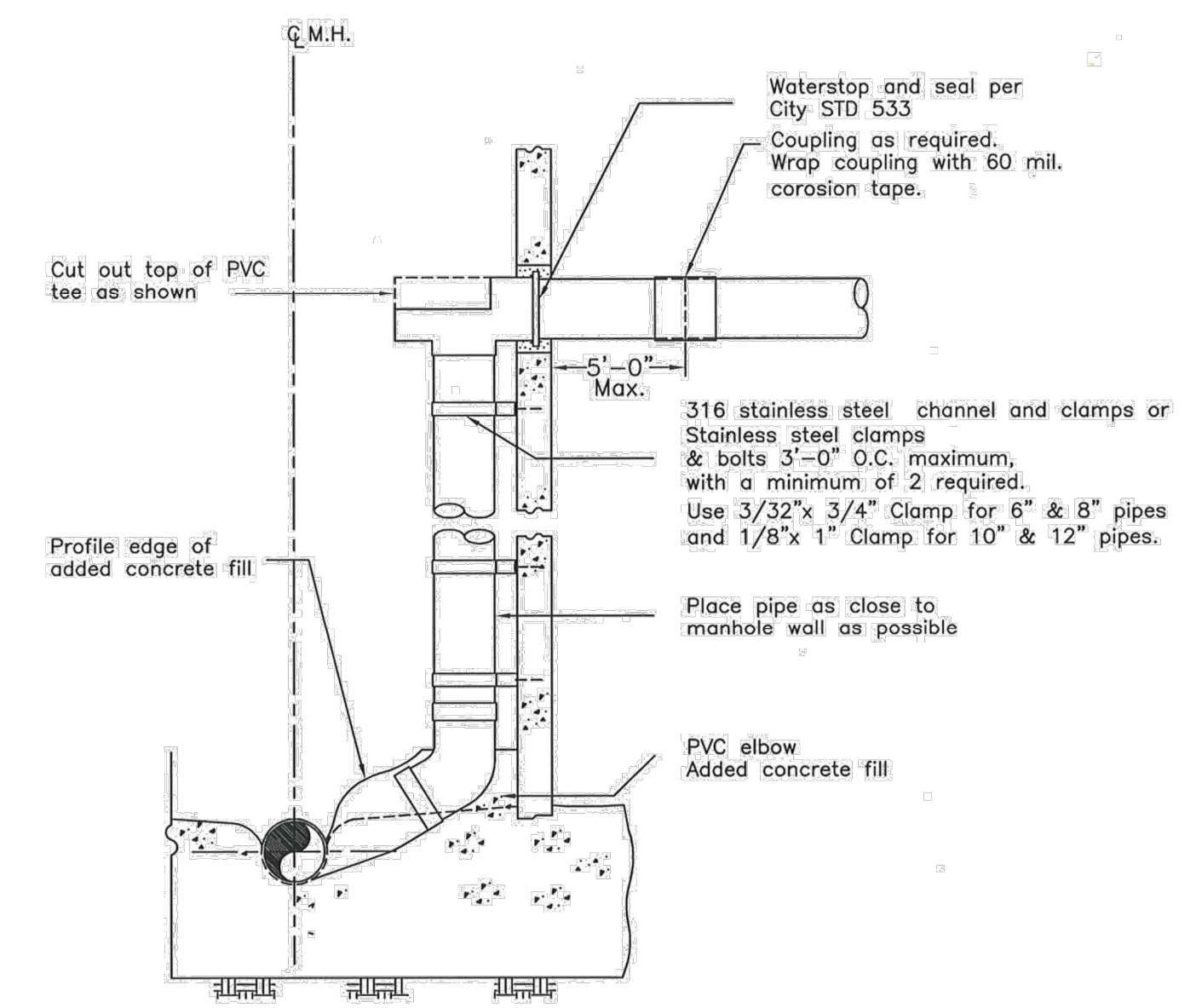
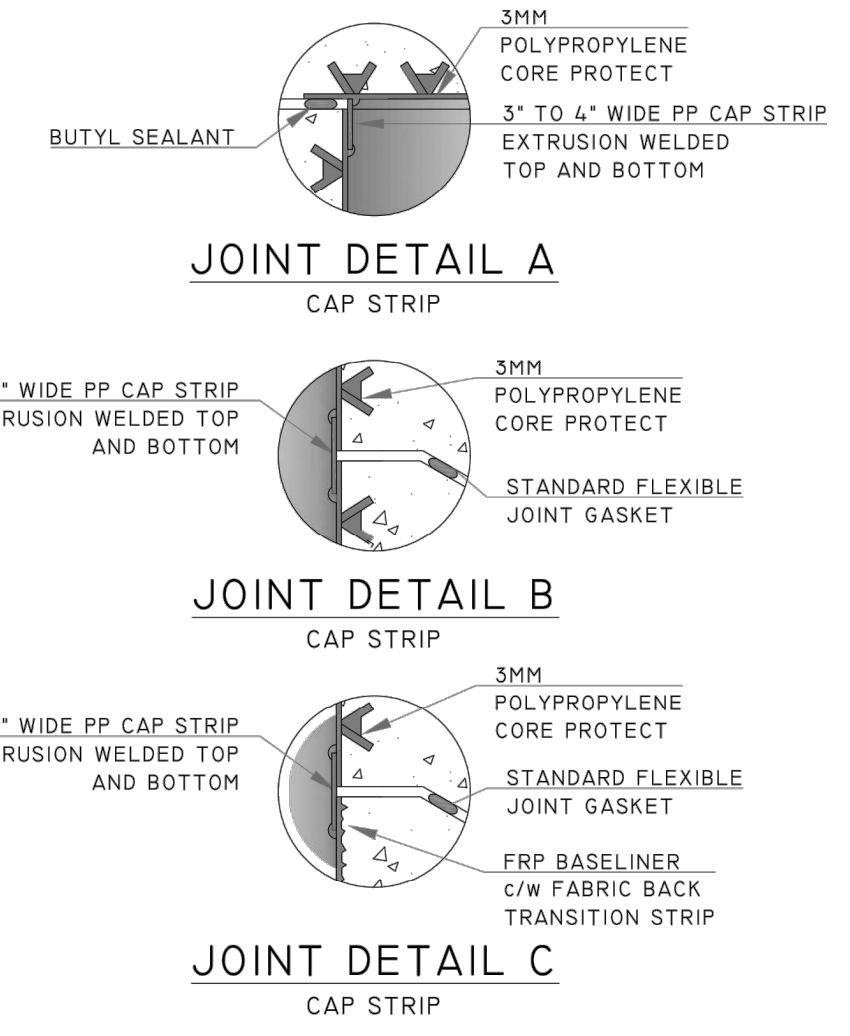
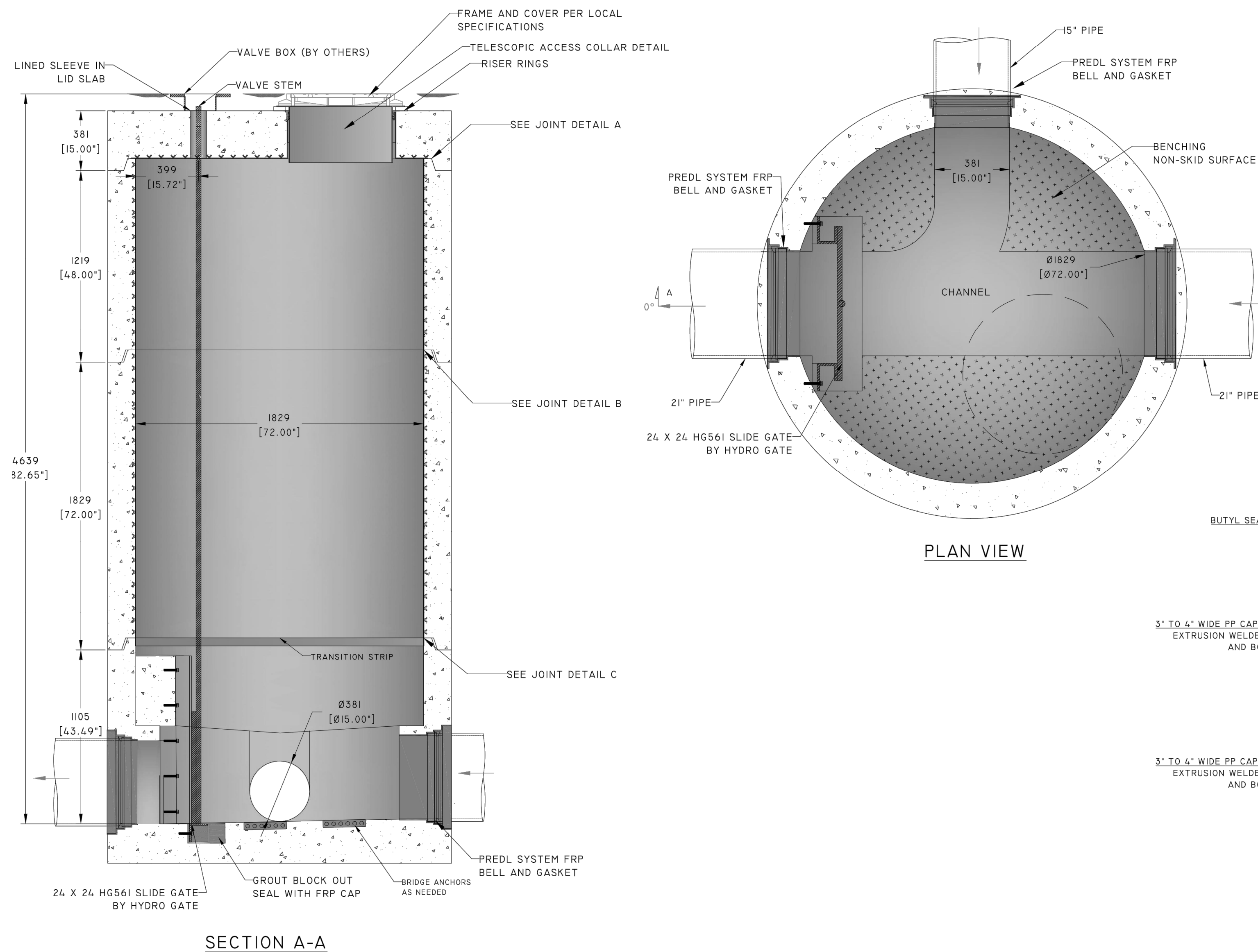
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**CITY OF ROHNERT PARK
DOWNTOWN INFRASTRUCTURE IMPROVEMENTS**
Project No. 2018 - 40 + 2018 - 43

DETAILS 2

DESIGNED BY: MS
DRAWN BY: BM
CHECKED BY: SG
DATE: 02-01-2020
PROJECT: 11187329
DWG NO: C-502
SHEET
22 OF 37
SHEETS

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- NOTES:
- Manholes constructed using this standard shall be 60" in diameter and installed in conformance with Standard 500. Use 72" MH where there are two drop connections.
 - Enclose elbow in concrete. Form smooth channel with sweep to manhole flowline.
 - Install waterstop in accordance with manufacturer's instructions as shown.
 - PVC pipe and fittings shall have same nominal size and SDR rating as incoming pipes.

1
-
NTS
PRECAST SEWER MANHOLE W/ HDPE LINER AND MECHANICAL GATE - 48 INCH

2
-
NTS
INSIDE DROP MANHOLE (PER CITY STD 503)

CITY OF ROHNERT PARK
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CITY OF ROHNERT PARK
DOWNTOWN INFRASTRUCTURE IMPROVEMENTS
Project No. 2018 - 40 + 2018 - 43
DETAILS 3

DESIGNED BY: MS
DRAWN BY: BM
CHECKED BY: SG
DATE: 02-01-2020
PROJECT: 11187329
DWG NO: C-503
SHEET
23 OF 37
SHEETS

\\GHD\NET\GHD\US\SANTA ROSA\PROJECTS\11111187329 RP DOWNTOWN SEWER IMP\06-CADD\SHEETS\1187329 P-101 THRU P-104

SHEET NOTES

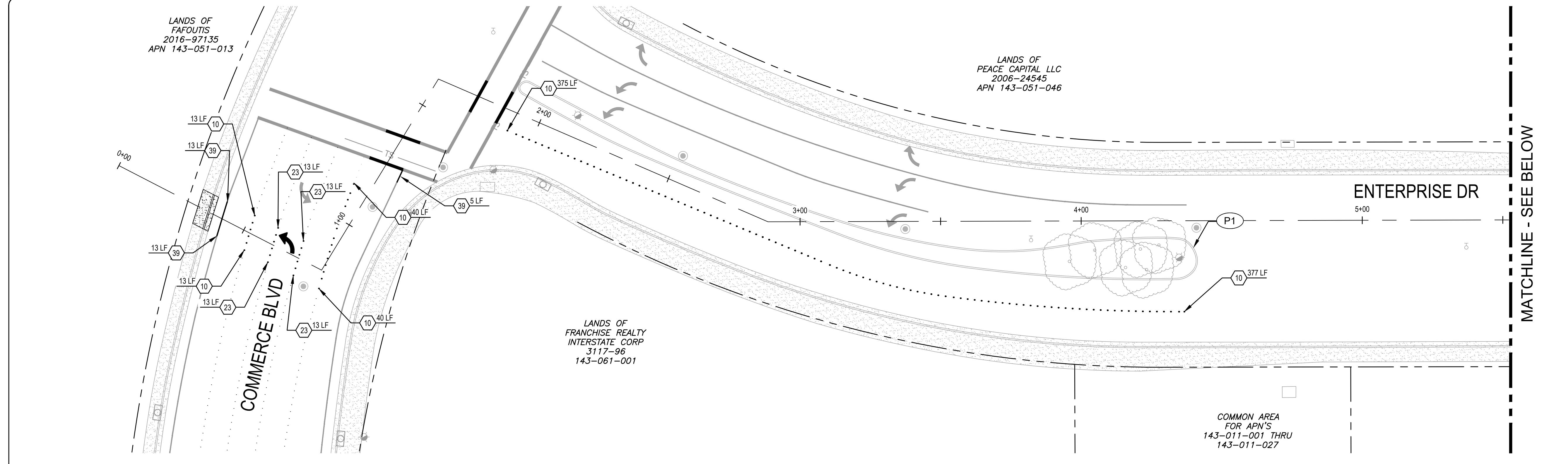
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 A. 4" EDGE LINES SHALL BE TAPE INLAID
 C. CROSSWALKS, LEGENDS, SYMBOLS, ARROWS SHALL BE THERMOPLASTIC
 *TAPE SHALL BE USED IN NEW PAVEMENT
 CONTRACTOR SHALL LAYOUT TEMPORARY MARKERS 5 DAYS PRIOR TO APPROVAL. APPROVAL BY ENGINEER BEFORE PERMANENT INSTALLATION.
- FOR ALL STRIPING ON NEW PAVEMENT:
 A. 8" TAPE INLAID IN HOT ASPHALT
 B. 6" TAPE INLAID IN HOT ASPHALT
 C. CROSSWALKS THERMOPLASTIC
 D. ARROWS THERMOPLASTIC
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- ALL DOUBLE POST SIGNS SHALL BE MOUNTED ON 3" SQUARE ALUMINUM POST WITH DECORATIVE CAP.
- ALL SIGNS LOCATED IMMEDIATELY ADJACENT TO STREET LIGHTS SHALL BE MOUNTED ON THE STREET LIGHT PER THE APPROVAL OF THE CITY ENGINEER.
- BACK OF SIGNS SHALL BE PAINTED. COLOR: TBD.

LEGEND

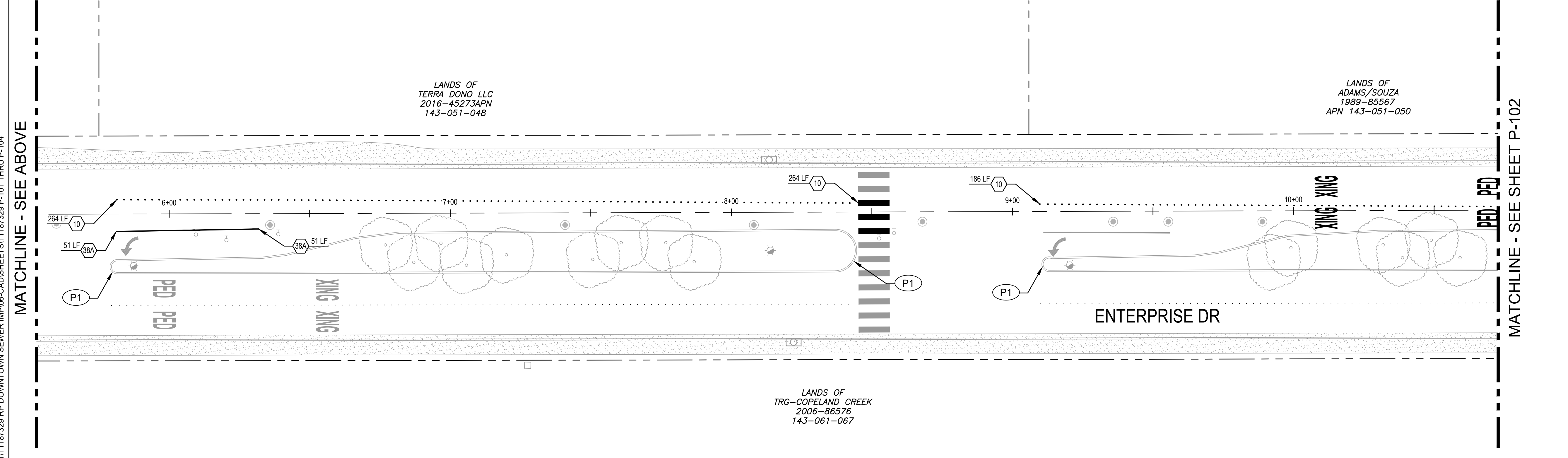
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- TYPE IV ARROW PER CALTRANS STANDARD A24A.
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- INSTALL BASIC CROSSWALK PER CALTRANS STANDARD A24F. LOCATING MARKING OUTSIDE OF THE TYPICAL WHEEL PATH, WHERE POSSIBLE (WHITE).

KEY NOTES

- P1 MEDIAN ISLAND TREATMENT PER CITY STD 721.



1 PLAN - ENTERPRISE DRIVE
 1"=20'



2 PLAN - ENTERPRISE DRIVE
 1"=20'

CITY OF ROHNERT PARK
 130 AVRAM AVENUE
 ROHNERT PARK, CALIFORNIA 94928
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 Santa Rosa California 95407 USA
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MAY 26, 2020

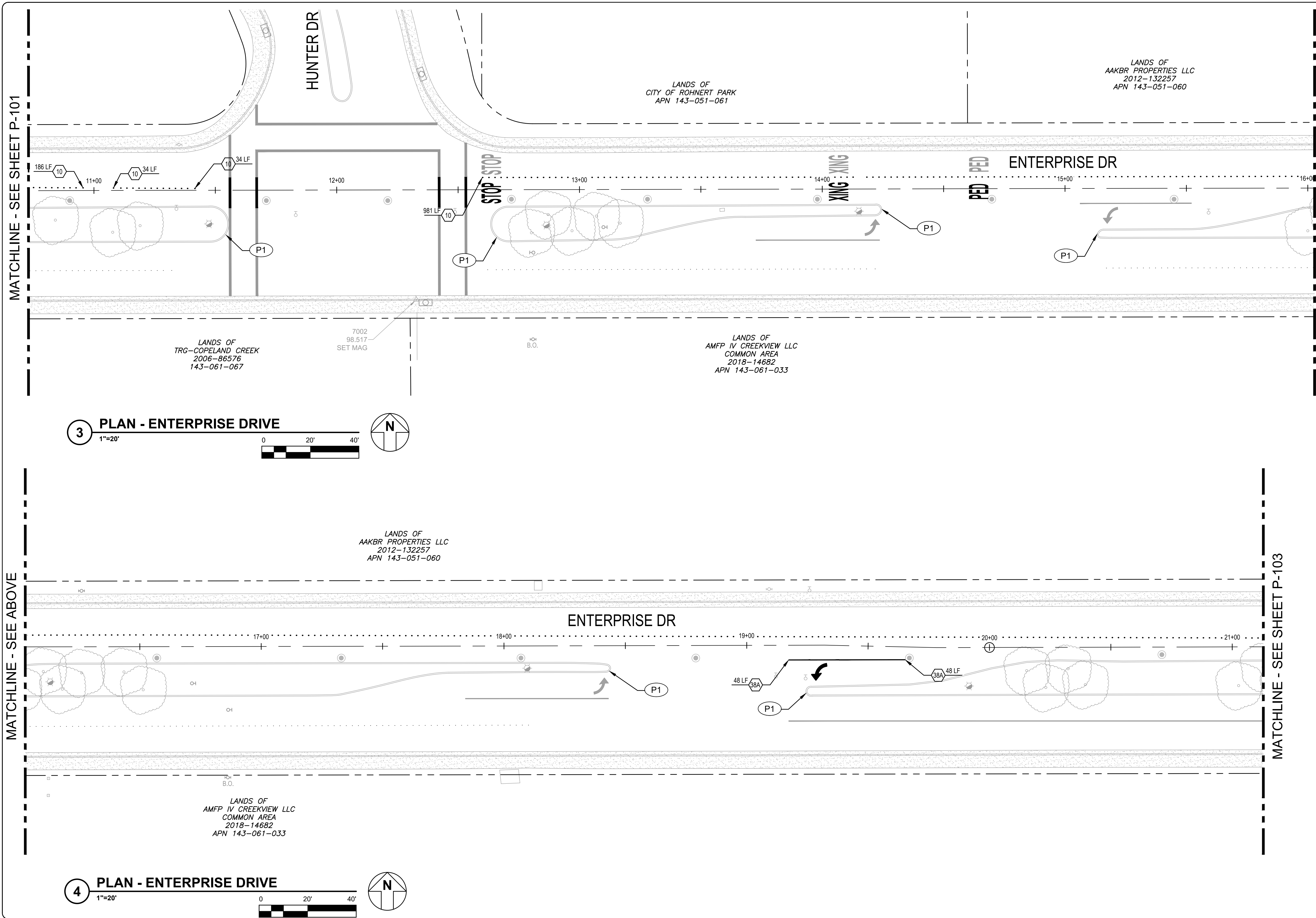
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CITY OF ROHNERT PARK
DOWNTOWN INFRASTRUCTURE IMPROVEMENTS
 Project No. 2018 - 40 + 2018 - 43

SIGNING & STRIPING PLAN 1

DESIGNED BY: MS
 DRAWN BY: BM
 CHECKED BY: SG
 DATE: 02-01-2020
 PROJECT: 11187329
 DWG NO: P-101
 SHEET
24 OF 37
 SHEETS

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3 PLAN - ENTERPRISE DRIVE
1"=20'

4 PLAN - ENTERPRISE DRIVE
1"=20'

SHEET NOTES

- THE CONTRACTOR SHALL PERFORM ALL WORK FOLLOWING THE STANDARDS LISTED BELOW UNLESS MODIFIED BY THESE CONTRACT DOCUMENTS:
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- BACK OF SIGNS SHALL BE PAINTED. COLOR: TBD.

LEGEND

- PROVIDE STRIPING PER SPECIFIED DETAIL NUMBER ON SHEETS A20A - A20D OF CALTRANS STANDARD PLANS.
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- 12" WHITE STRIPE PER CALTRANS STANDARD A24E.
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KEY NOTES

- MEDIAN ISLAND TREATMENT PER CITY STD 721.

CITY OF ROHNERT PARK

130 AVRAM AVENUE
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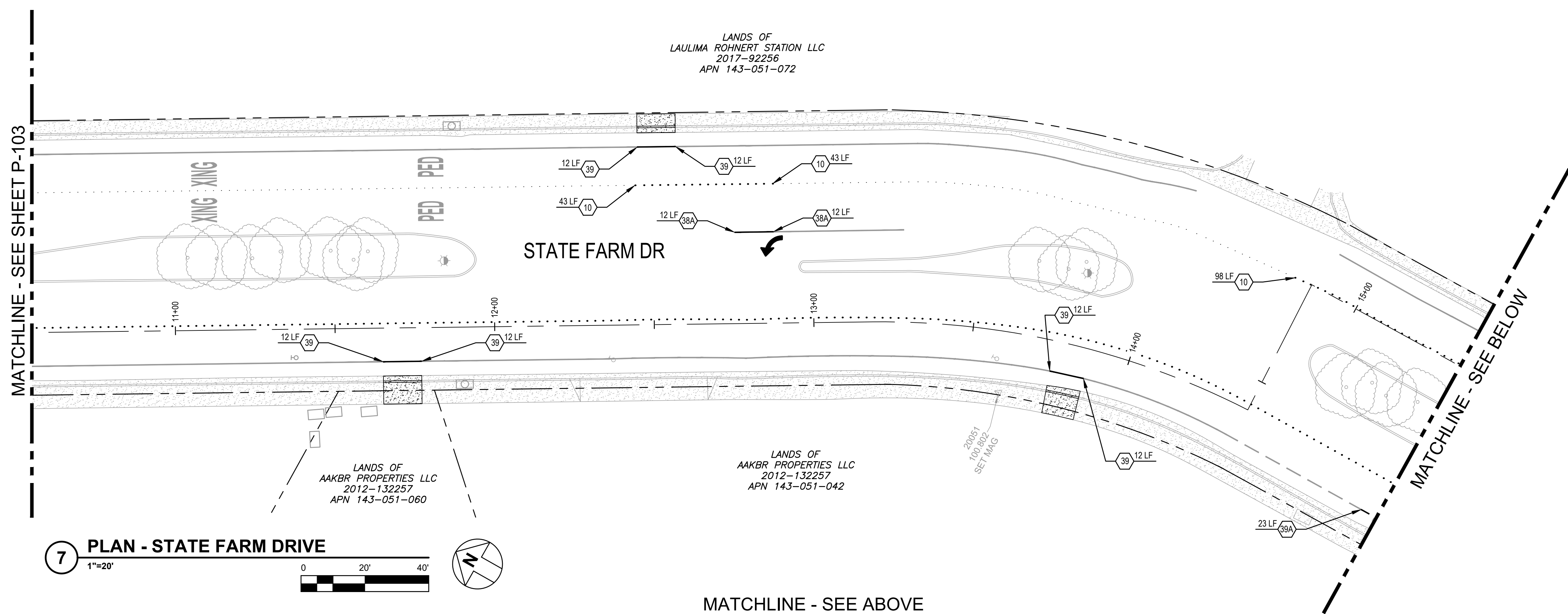
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**CITY OF ROHNERT PARK
DOWNTOWN INFRASTRUCTURE IMPROVEMENTS
Project No. 2018 - 40 + 2018 - 43**

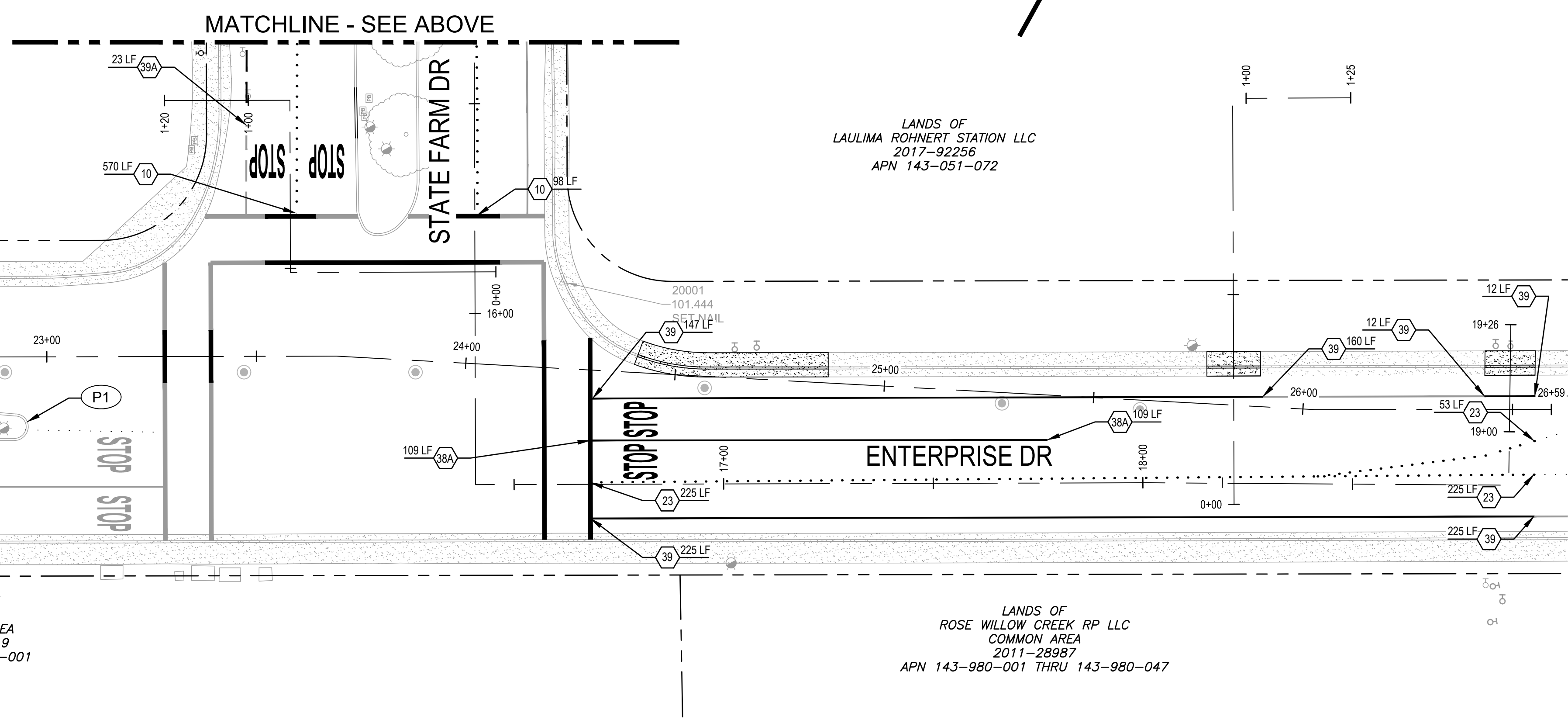
SIGNING & STRIPING PLAN 2

DESIGNED BY: MS
DRAWN BY: BM
CHECKED BY: SG
DATE: 02-01-2020
PROJECT: 11187329
DWG NO: P-102
SHEET

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7 PLAN - STATE FARM DRIVE
 1"=20'
 0 20' 40'



8 PLAN - STATE FARM DRIVE
 1"=20'
 0 20' 40'

SHEET NOTES

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KEY NOTES

- P1 MEDIAN ISLAND TREATMENT PER CITY STD 721.

CITY OF ROHNERT PARK

130 AVRAM AVENUE
 ROHNERT PARK, CALIFORNIA 94928
 PHONE: (707) 588-2232 FAX: (707) 794-9242



REV. NO.	DATE	DESCRIPTION	BY



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 Santa Rosa California 95407 USA
 T 1 707 523 1010 F 1 707 527 8679 W www.ghd.com

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 MAY 26, 2020**

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**CITY OF ROHNERT PARK
 DOWNTOWN INFRASTRUCTURE IMPROVEMENTS
 Project No. 2018 - 40 + 2018 - 43**

SIGNING & STRIPING PLAN 4

DESIGNED BY: MS
 DRAWN BY: BM
 CHECKED BY: SG
 DATE: 02-01-2020
 PROJECT: 11187329
 DWG NO: P-104
 SHEET
27 OF 37
 SHEETS

EXISTING CONDITIONS

STREET	SPEED LIMIT	TRUCK ROUTE (Y OR N)	BIKE FACILITIES	ADT (ESTIMATED)
ENTERPRISE DRIVE	30 MPH	Y	-	8,000
STATE FARM DRIVE	30 MPH	Y	CLASS II	14,000

TRAFFIC CONTROL SYSTEM TABLES

TABLE 1: TAPER LENGTH CRITERIA AND CHANNELIZING DEVICE SPACING

SPEED	MINIMUM TAPER LENGTH * FOR WIDTH OF OFFSET 12 FEET (W)				MAXIMUM CHANNELIZING DEVICE SPACING**		
	TANGENT	MERGING	SHIFTING	SHOULDER	X	Y	Z ***
	2L	L	L/2	L/3	TAPER	TANGENT	CONFLICT
mph	ft	ft	ft	ft	ft	ft	ft
20	160	80	40	27	20	40	10
25	250	125	63	42	25	50	12
30	360	180	90	60	30	60	15
35	490	245	123	82	35	70	17
40	640	320	160	107	40	80	20
45	1080	540	270	180	45	90	22
50	1200	600	300	200	50	100	25
55	1320	660	330	220	50	100	25
60	1440	720	360	240	50	100	25
65	1560	780	390	260	50	100	25
70	1680	840	420	280	50	100	25
75	1800	900	450	300	50	100	25

* - FOR OTHER OFFSETS, USE THE FOLLOWING MERGING TAPER LENGTH FORMULA FOR L:
 FOR SPEED OF 40 MPH OR LESS, L = WS²/60
 FOR SPEED OF 40 MPH OR MORE, L = WS

WHERE:
 L = TAPER LENGTH IN FEET
 W = WIDTH OF OFFSET IN FEET
 S = POSTED SPEED LIMIT

** - USE FOR TAPER AND TANGENT SECTIONS WHERE THERE ARE NO PAVEMENT MARKINGS OR WHERE THERE IS A CONFLICT BETWEEN EXISTING PAVEMENT MARKINGS AND CHANNELIZERS.
 *** - CITY STANDARD IS 1/2 MAX FOR CHANNELIZING SPACING

TABLE 2: LONGITUDINAL BUFFER SPACE AND FLAGGER STATION SPACING

SPEED *	MIN D **	DOWNGRADE MIN D ***		
		-3%	-6%	-9%
mph	ft	ft	ft	ft
20	115	116	120	126
25	155	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	400	427
50	425	446	474	507
55	495	520	559	593
60	570	598	638	686
65	645	682	728	785
70	730	771	825	891
75	820	866	927	1003

* - SPEED IS POSTED SPEED LIMIT
 ** - LONGITUDINAL BUFFER SPACE OR FLAGGER STATION SPACING
 *** - USE ON SUSTAINED DOWNGRADE STEEPER THAN -3 PERCENT AND LONGER THAN 1 MILE.

TABLE 3: ADVANCE WARNING SIGN SPACING

ROAD TYPE	DISTANCE BETWEEN SIGNS		
	A	B	C
URBAN - 25 MPH OR LESS	100	100	100
URBAN - MORE THAN 25 MPH TO 40 MPH	250	250	250
URBAN - MORE THAN 40 MPH	350	350	350
RURAL	500	500	500
EXPRESSWAY / FREEWAY	1000	1500	2640

SYMBOLS

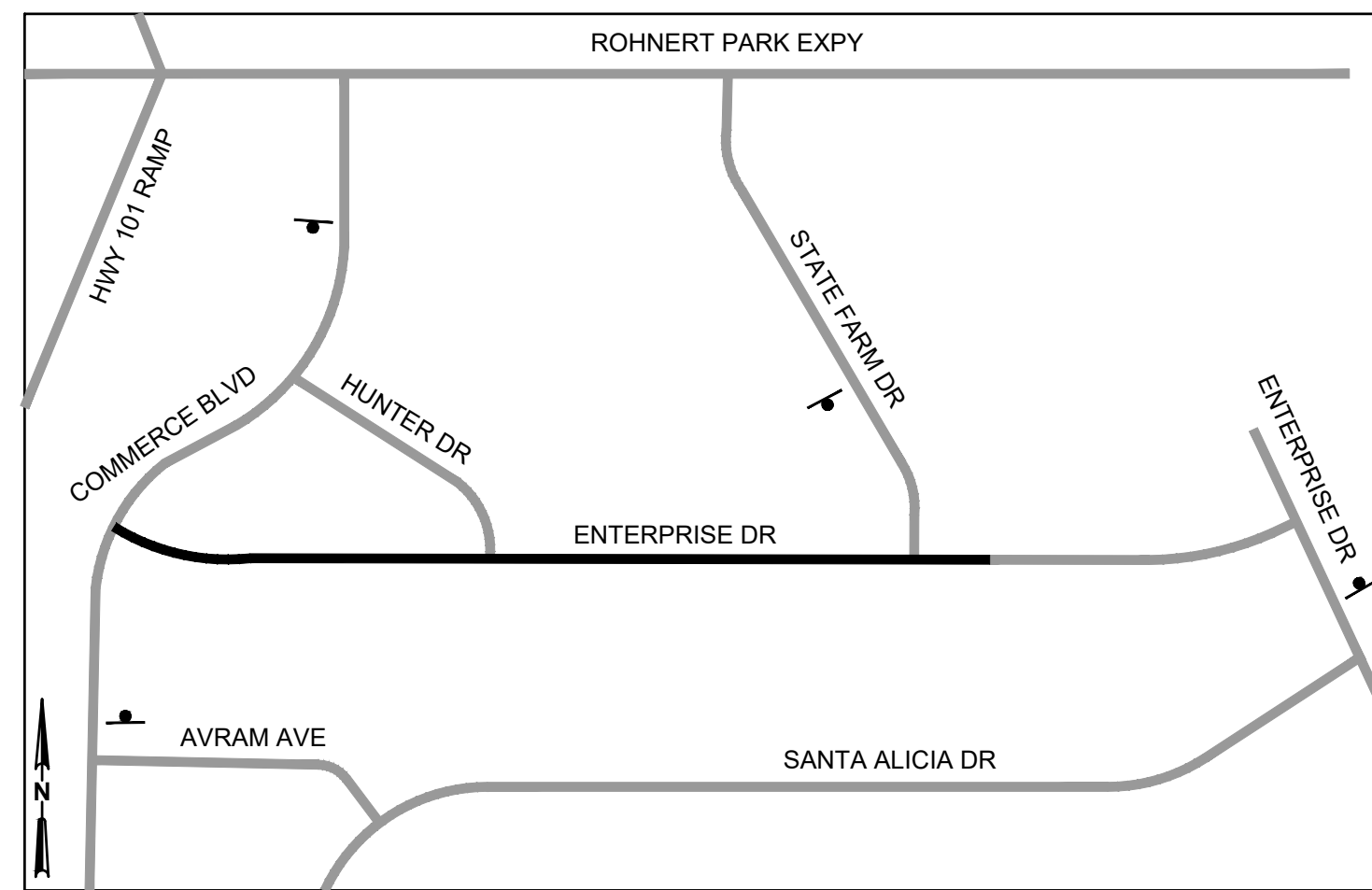
- DIRECTION OF TRAFFIC (NOT PAVEMENT MARKING)
- MOVING WORK AREA
- TEMPORARY PEDESTRIAN ROUTING
- BUS STOP (SONOMA COUNTY TRANSIT - SCT)

GENERAL NOTES

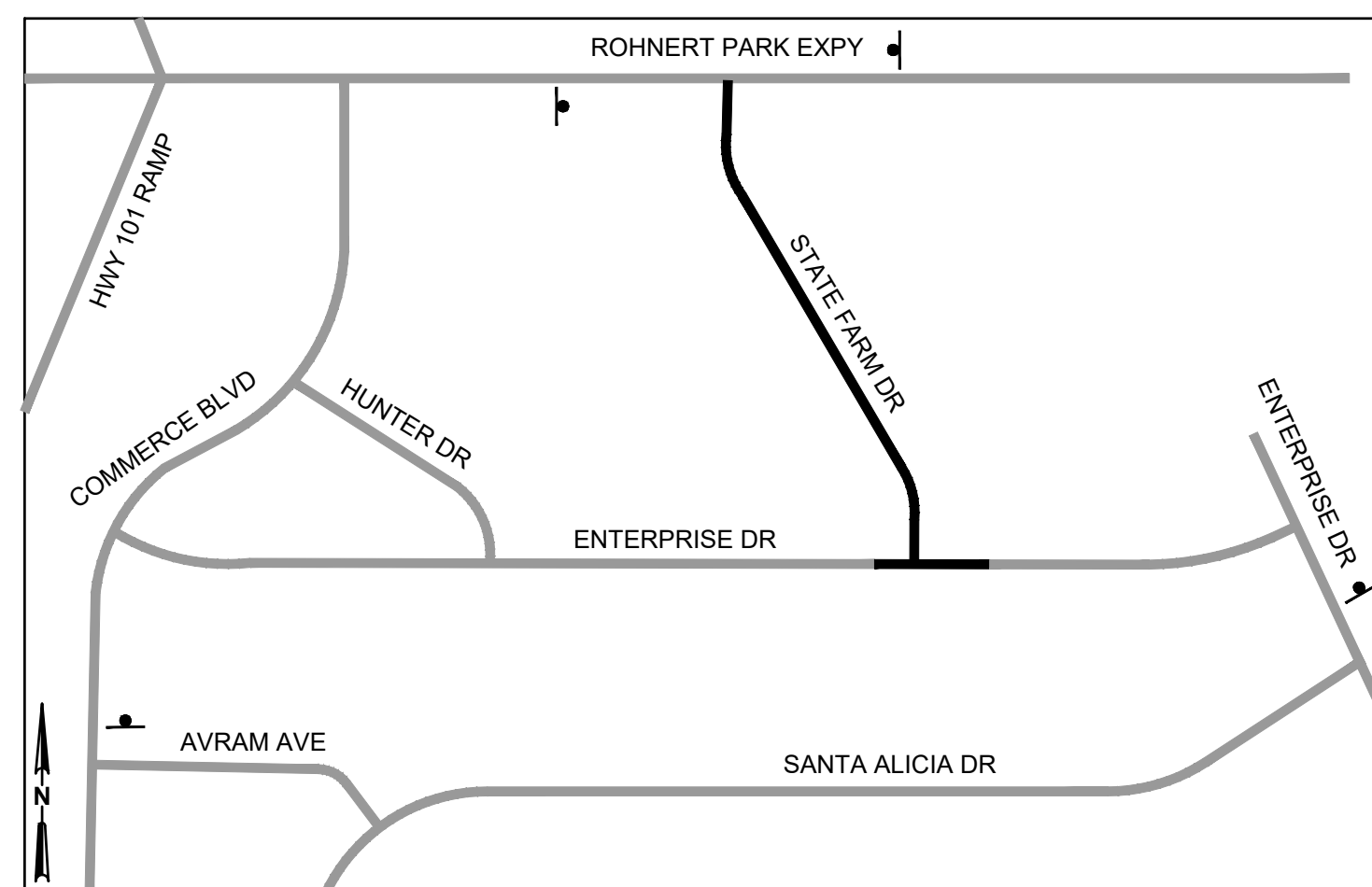
1. TRAFFIC CONTROL SHALL CONFORM TO CALTRANS STANDARD PLANS AND SPECIFICATIONS DATE 2010 AND THE LATEST EDITION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD).
2. CONTRACTOR TO PROVIDE VEHICLE AND EMERGENCY VEHICLE ACCESS TO ALL RESIDENCES, BUSINESSES AND PUBLIC FACILITIES AT ALL TIMES.
3. TRAFFIC HANDLING PLANS ARE PROVIDED TO SHOW MINIMUM ANTICIPATED REQUIREMENTS. CONTRACTOR TO SUBMIT THEIR TRAFFIC CONTROL PLANS PER THE REQUIREMENTS OF THE SPECIFICATIONS AND TRAFFIC HANDLING PLANS FOR THE PROJECT.
4. CONTRACTOR TO SUBMIT ALL DETOUR PLANS REQUIRED FOR ALL PROPOSED STREET CLOSURES.
5. CONTRACTOR MUST OBTAIN AND COMPLY WITH CITY OF ROHNERT PARK ENCROACHMENT PERMIT. CONTRACTOR'S TRAFFIC CONTROL PLANS ARE SUBJECT TO REQUIREMENTS AND REVIEW BY CITY OF ROHNERT PARK.
6. THE ENGINEER RESERVES THE RIGHT TO OBSERVE THE CONTRACTOR'S TRAFFIC CONTROL PLANS IN OPERATION AND TO MAKE CHANGES AS FIELD CONDITIONS WARRANT FOR MAINTAINING PUBLIC SAFETY.
7. ALL OPEN TRENCHES SHALL BE BACKFILLED OR STEEL-PLATED DURING NON-WORKING HOURS. STEEL PLATES SHALL HAVE ASPHALTIC RAMP ON ALL EDGES. ALL DIRT, DUST, AND DEBRIS SHALL BE REMOVED FROM STREET AT END OF EACH DAY AND AT THE END OF CONSTRUCTION. THE STREET SHALL BE IN DRIVABLE CONDITIONS AT ALL TIMES.
8. A COPY OF ALL TRAFFIC REQUIREMENTS AND TRAFFIC CONTROL PLANS MUST BE KEPT ON THE JOB SITE.
9. ALL TEMPORARY TRAVEL LANES WILL TYPICALLY BE A MINIMUM OF 11 FEET WIDE, UNLESS OTHERWISE SPECIFICALLY APPROVED.
10. ALL CONFLICTING SIGNS SHALL BE COVERED WHILE TEMPORARY TRAFFIC CONTROLS ARE IN EFFECT.
11. THE CONTRACTOR SHALL POST TOW-AWAY/ NO PARKING SIGNS 72 HOURS IN ADVANCE, WITH THE DAY OF WEEK, DATE AND WORK HOURS NOTED, AND SHALL BAG PARKING METERS (WHERE APPLICABLE).
12. UNLESS OTHERWISE SPECIFIED, ALL TEMPORARY WARNING SIGNS SHALL HAVE BLACK LEGEND ON ORANGE BACKGROUND.
13. EACH ADVANCED WARNING SIGN SHALL BE EQUIPPED WITH A MINIMUM OF TWO FLAGS. FLASHING BEACONS SHALL BE PLACED AT LOCATIONS INDICATED.
14. ALL WORKERS SHALL BE EQUIPPED WITH A CLASS III REFLECTIVE VEST AND HARD HAT. ALL FLAGGERS SHALL ALSO BE EQUIPPED WITH A C28 "STOP/SLOW" PADDLE, RADIO COMMUNICATION SYSTEM AND REQUISITE TRAINING AND CERTIFICATION FOR FLAGGING.
15. PLANS ARE ACCURATE FOR TRAFFIC CONTROL WORK ONLY.
16. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE TO EXISTING IMPROVEMENTS RESULTING FROM THE CONTRACTOR'S OPERATION. THIS REPAIR SHALL INCLUDE ALL CONSTRUCTION AND MATERIALS TO RESTORE THE SITE TO PRE-EXISTING CONDITIONS.

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SEWER TRAFFIC CONTROL



WATER TRAFFIC CONTROL



SYMBOLS

- PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) APPROXIMATE LOCATION
- CONSTRUCTION ZONE
- NEIGHBORING ROAD

NOTES

1. PCMS SHALL BE INSTALLED AND MAINTAINED 14 CALENDAR DAYS PRIOR TO AND THROUGHOUT CONSTRUCTION.
2. MESSAGE MUST BE SUBMITTED TO ENGINEER PRIOR TO INSTALLATION.

CITY OF ROHNERT PARK

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**CITY OF ROHNERT PARK
 DOWNTOWN INFRASTRUCTURE IMPROVEMENTS
 Project No. 2018 - 40 + 2018 - 43**

TRAFFIC HANDLING LEGEND

DESIGNED BY:	MS
DRAWN BY:	BM
CHECKED BY:	SG
DATE:	02-01-2020
PROJECT:	11187329
DWG NO.:	TH-001
SHEET	
28 OF 37	
SHEETS	

SHEET GENERAL NOTES

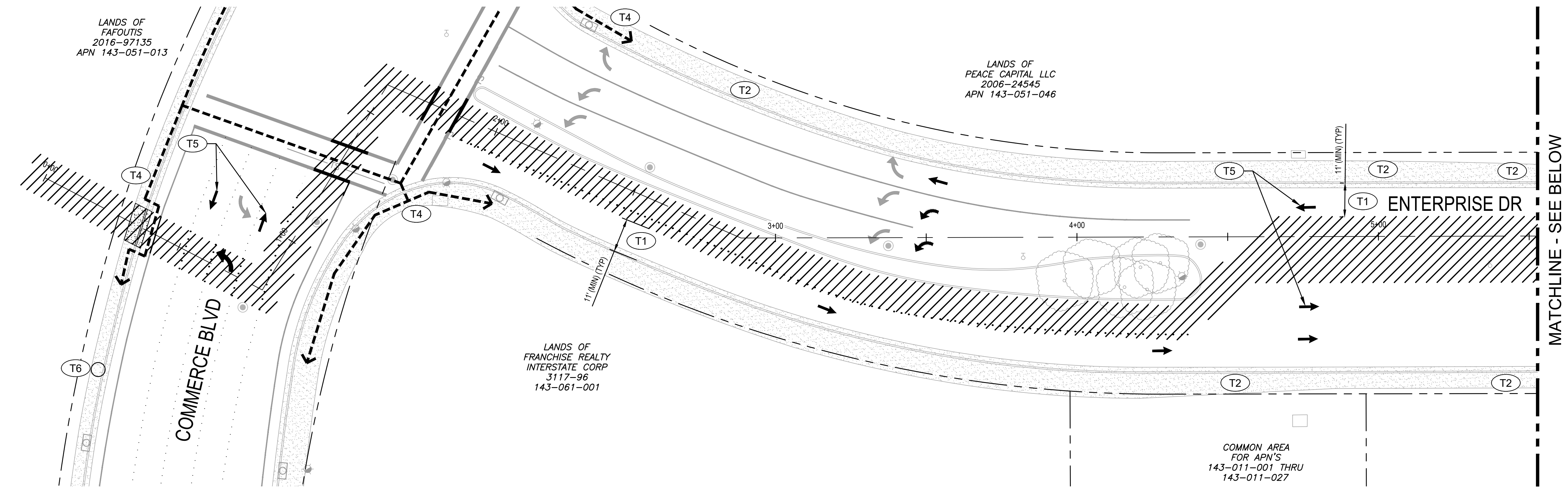
- SEE SHEET TH-001 FOR GENERAL NOTES.
- CONTRACTORS MOVING WORK ZONE LENGTH TO BE MAXIMUM ALLOWED PER SPECIFICATION. THE CONTRACTOR IS NOT ALLOWED TO CLOSE STREETS AND/OR SIDEWALKS BEYOND 200' OR INDIVIDUAL BLOCK LENGTH FOR FULL STREET CLOSURES AT ANY TIME WITHOUT CONSENT FROM THE ENGINEER. WORK PERTAINING TO DEWATERING AND SEWER BYPASS ARE PERMITTED OUTSIDE OF WORK ZONE RESTRICTIONS PER ACCEPTED PLANS, AS DIRECTED BY THE ENGINEER.
- TEMPORARY PEDESTRIAN ROUTING/DETOURS MUST ADHERE TO ACCESSIBILITY STANDARDS INCLUDING TEMPORARY RAMPS, PAINTED CROSSWALKS, WARNING, CLOSURE AND DETOUR SIGNAGE.
- PERIODIC ONE-WAY TRAFFIC CONTROL ALLOWED PER CONTRACTORS TCP. SEE TH-502 FOR TYPICAL LANE CLOSURE WITH REVERSIBLE CONTROL.
- CONTRACTOR TO PREPARE DETOUR PLANS FOR STREETS CLOSED TO THRU TRAFFIC.
- EXISTING PEDESTRIAN ACCESS SHALL REMAIN OPEN AT ALL TIMES UNLESS TEMPORARY ROUTING OF PEDESTRIANS IS INDICATED ON THE PLAN.
- EXISTING BICYCLE LANES AND BOULEVARDS/SHARED LANES SHALL REMAIN OPEN EXCEPT AS PRECLUDED BY THE IMMEDIATE WORK ZONE IN WHICH CONTRACTOR IS OPERATING AT ONE TIME. IN SUCH CASES WHERE BICYCLE FACILITIES MUST BE CLOSED, CA MUTCD COMPLIANT ADVANCED AND WORK ZONE SIGNAGE SHALL BE EMPLOYED.
- MAINTAIN OF TWO-WAY OR ONE-WAY TRAFFIC SHALL BE PER CA MUTCD.

KEYNOTES

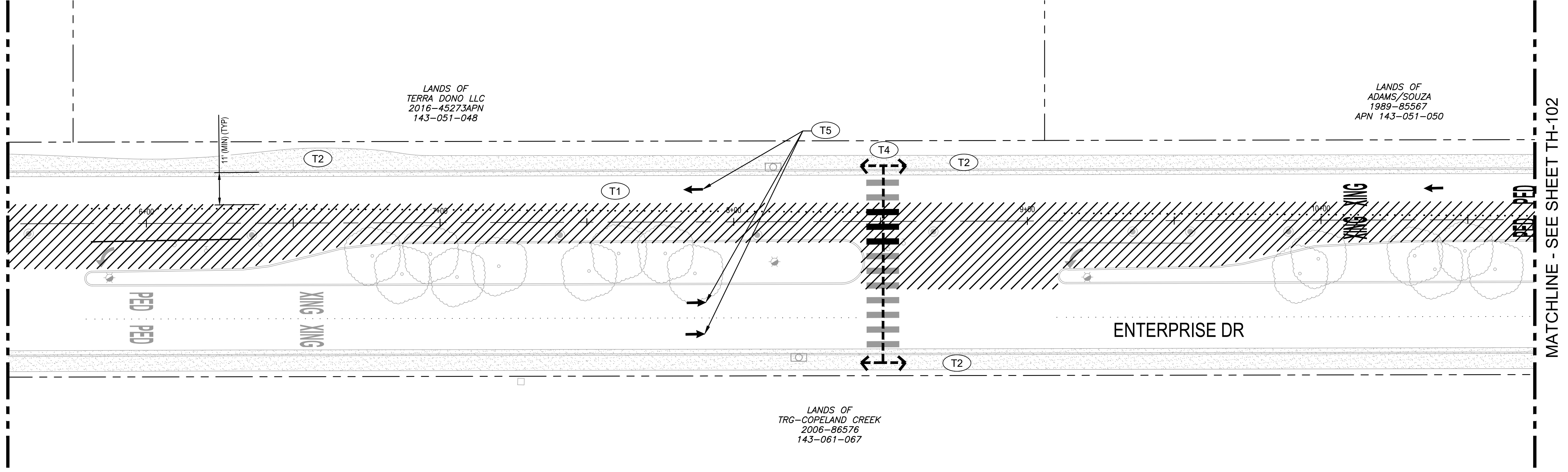
- (T1) MAINTAIN TEMPORARY LANE WIDTH 11' (MIN).
- (T2) MAINTAIN DRIVEWAY ACCESS/EGRESS.
- (T3) PROVIDE DETOURS FOR BICYCLISTS, IF REQUIRED.
- (T4) CONTRACTOR TO PROVIDE TEMPORARY ACCESSIBLE PEDESTRIAN ROUTE, COMPLETE WITH RAMPS, WARNING SIGNS, ADVANCE WARNING SIGNS, MARKED CROSSINGS, AND ESCORT AS REQUIRED. MAINTAIN THRU DURATION OF WORK.
- (T5) PROVIDE TWO-WAY TRAFFIC CONTROL (TYP). INTERMITTENT ONE-WAY TRAFFIC CONTROL WILL BE PERMITTED BASED ON CONTRACTORS ACCEPTED TCP.
- (T6) CONTRACTOR TO COORDINATE WITH SONOMA COUNTY TRANSIT (SCT) FOR TEMPORARY RELOCATION OR CLOSURE OF BUS STOP, WHICHEVER SCT REQUIRES. RELOCATIONS SHALL PROVIDE IN-KIND FACILITIES (BENCHES, ETC.) THAT ARE LOCATED AT PERMANENT STOP.
- (T7) CONTRACTOR TO PHASE WATER AND SEWER WORK SUCH THAT TWO WAY TRAFFIC CAN BE MAINTAINED ON ENTERPRISE DR EAST OF STATE FARM DR

SYMBOLS

- TEMPORARY PEDESTRIAN ROUTING
- MOVING WORK AREA
- BUS STOP (VINE TRANSIT)
- DIRECTION OF TRAFFIC (NOT PAVEMENT MARKING)



1 PLAN - ENTERPRISE DRIVE
1"=20'
0 20' 40'



2 PLAN - ENTERPRISE DRIVE
1"=20'
0 20' 40'

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CITY OF ROHNERT PARK

130 AVRAM AVENUE
ROHNERT PARK, CALIFORNIA 94928
PHONE: (707) 588-2232 FAX: (707) 794-9242



REV. NO.	DATE	DESCRIPTION	BY



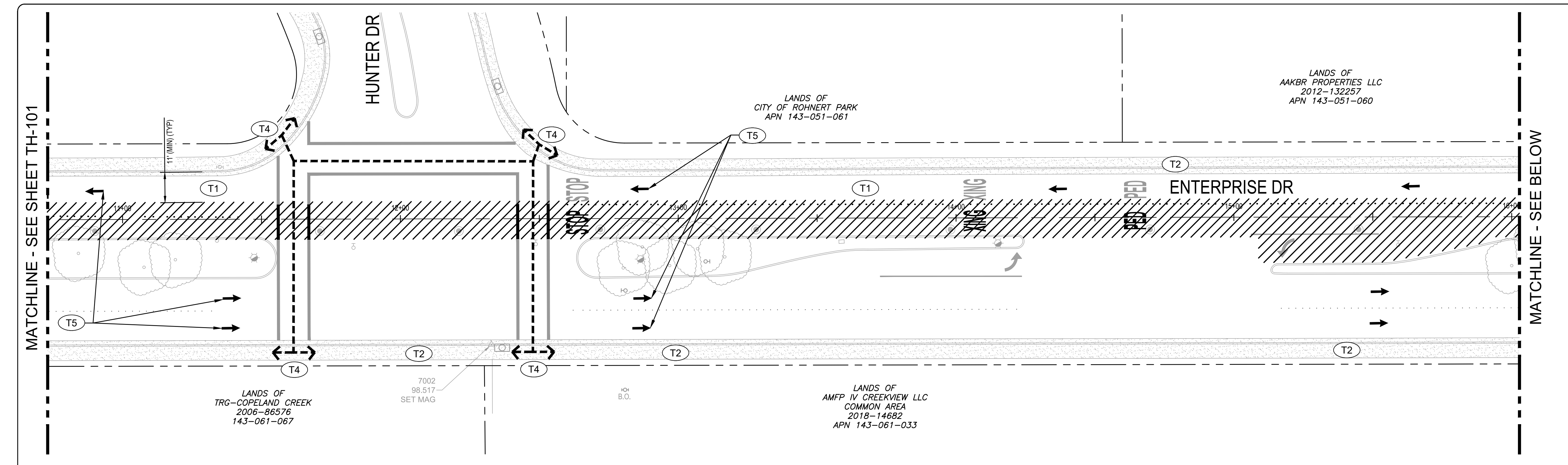
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2235 Mercury Way Suite 150
Santa Rosa California 95407 USA
T 1 707 523 1010 F 1 707 527 8679 W www.ghd.com

RECORD DRAWING
MAY 26, 2020
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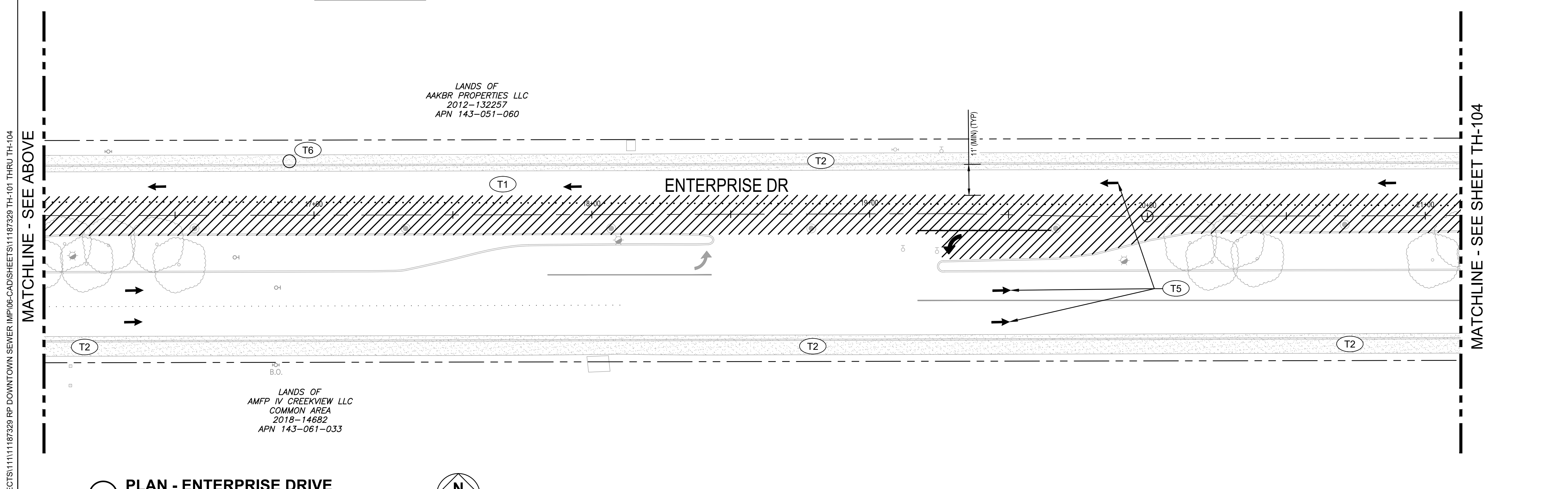
CITY OF ROHNERT PARK
DOWNTOWN INFRASTRUCTURE IMPROVEMENTS
Project No. 2018 - 40 + 2018 - 43
TRAFFIC HANDLING PLAN 1

DESIGNED BY: MS
DRAWN BY: BM
CHECKED BY: SG
DATE: 02-01-2020
PROJECT: 11187329
DWG NO: TH-101
SHEET
29 OF 37
SHEETS

G:\HDNET\GHD\US\SANTA ROSA\PROJECTS\11111187329 RP DOWNTOWN SEWER IMP\06-CADD\SHEETS\11187329 TH-101 THRU TH-104



3 PLAN - ENTERPRISE DRIVE
1"=20'



4 PLAN - ENTERPRISE DRIVE
1"=20'

SHEET GENERAL NOTES

- SEE SHEET TH-001 FOR GENERAL NOTES.
- CONTRACTORS MOVING WORK ZONE LENGTH TO BE MAXIMUM ALLOWED PER SPECIFICATION. THE CONTRACTOR IS NOT ALLOWED TO CLOSE STREETS AND/OR SIDEWALKS BEYOND 200' OR INDIVIDUAL BLOCK LENGTH FOR FULL STREET CLOSURES AT ANY TIME WITHOUT CONSENT FROM THE ENGINEER. WORK PERTAINING TO DEWATERING AND SEWER BYPASS ARE PERMITTED OUTSIDE OF WORK ZONE RESTRICTIONS PER ACCEPTED PLANS, AS DIRECTED BY THE ENGINEER.
- TEMPORARY PEDESTRIAN ROUTING/DETOURS MUST ADHERE TO ACCESSIBILITY STANDARDS INCLUDING TEMPORARY RAMPS, PAINTED CROSSWALKS, WARNING, CLOSURE AND DETOUR SIGNAGE.
- PERIODIC ONE-WAY TRAFFIC CONTROL ALLOWED PER CONTRACTORS T.C.P. SEE TH-502 FOR TYPICAL LANE CLOSURE WITH REVERSIBLE CONTROL.
- CONTRACTOR TO PREPARE DETOUR PLANS FOR STREETS CLOSED TO THRU TRAFFIC.
- EXISTING PEDESTRIAN ACCESS SHALL REMAIN OPEN AT ALL TIMES UNLESS TEMPORARY ROUTING OF PEDESTRIANS IS INDICATED ON THE PLAN.
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- MAINTAIN OF TWO-WAY OR ONE-WAY TRAFFIC SHALL BE PER CA MUTCD.

KEYNOTES

- T1** MAINTAIN TEMPORARY LANE WIDTH 11' (MIN).
- T2** MAINTAIN DRIVEWAY ACCESS/EGRESS.
- T3** PROVIDE DETOURS FOR BICYCLISTS, IF REQUIRED.
- T4** CONTRACTOR TO PROVIDE TEMPORARY ACCESSIBLE PEDESTRIAN ROUTE, COMPLETE WITH RAMPS, WARNING SIGNS, ADVANCE WARNING SIGNS, MARKED CROSSINGS, AND ESCORT AS REQUIRED. MAINTAIN THRU DURATION OF WORK.
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- T6** CONTRACTOR TO COORDINATE WITH SONOMA COUNTY TRANSIT (SCT) FOR TEMPORARY RELOCATION OR CLOSURE OF BUS STOP, WHICHEVER SCT REQUIRES. RELOCATIONS SHALL PROVIDE IN-KIND FACILITIES (BENCHES, ETC.) THAT ARE LOCATED AT PERMANENT STOP.
- T7** CONTRACTOR TO PHASE WATER AND SEWER WORK SUCH THAT TWO WAY TRAFFIC CAN BE MAINTAINED ON ENTERPRISE DR EAST OF STATE FARM DR

SYMBOLS

- TEMPORARY PEDESTRIAN ROUTING
- MOVING WORK AREA
- BUS STOP (VINE TRANSIT)
- DIRECTION OF TRAFFIC (NOT PAVEMENT MARKING)

CITY OF ROHNERT PARK
130 AVRAM AVENUE
ROHNERT PARK, CALIFORNIA 94928
PHONE: (707) 588-2232 FAX: (707) 794-9242

REV. NO.	DATE	DESCRIPTION	BY

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2235 Mercury Way Suite 150
Santa Rosa California 95407 USA
T 1 707 523 1010 F 1 707 527 8679 W www.ghd.com

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MAY 26, 2020

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CITY OF ROHNERT PARK
DOWNTOWN INFRASTRUCTURE IMPROVEMENTS
Project No. 2018 - 40 + 2018 - 43

TRAFFIC HANDLING PLAN 2

DESIGNED BY: MS
DRAWN BY: BM
CHECKED BY: SG
DATE: 02-01-2020
PROJECT: 11187329
DWG NO: TH-102
SHEET
30 OF 37
SHEETS

SHEET GENERAL NOTES

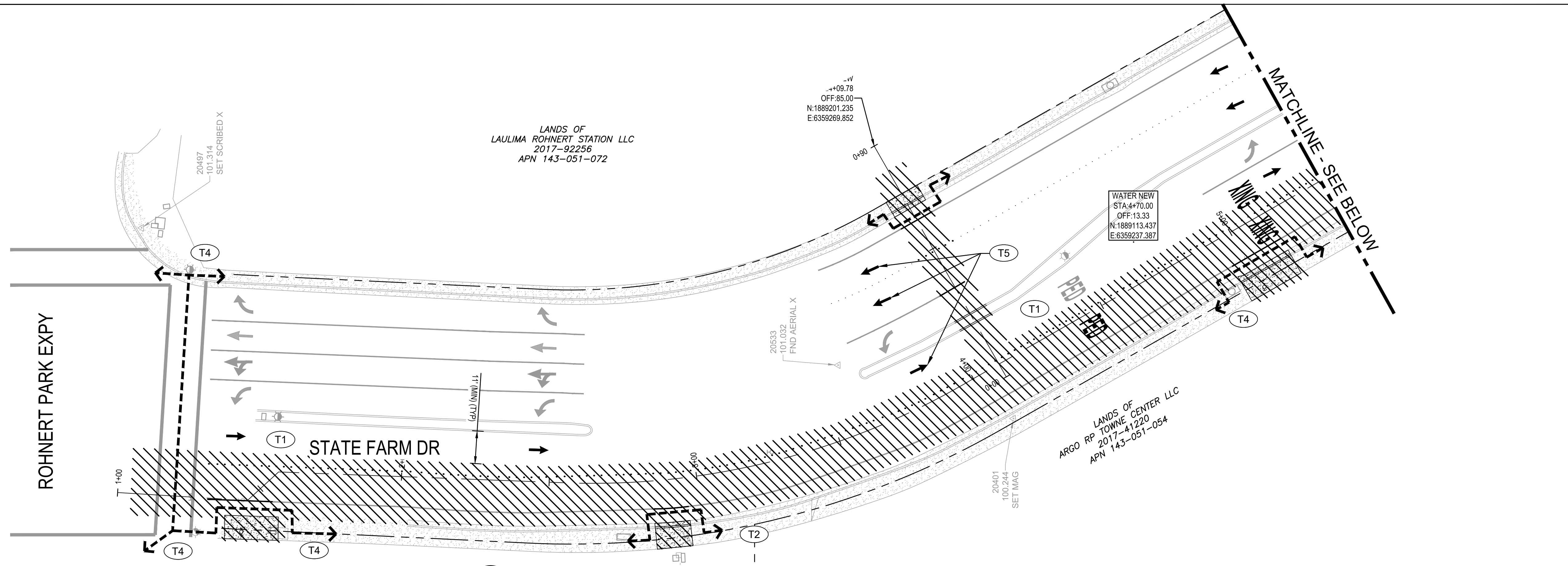
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KEYNOTES

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SYMBOLS

- TEMPORARY PEDESTRIAN ROUTING
- MOVING WORK AREA
- BUS STOP (VINE TRANSIT)
- DIRECTION OF TRAFFIC (NOT PAVEMENT MARKING)



SHEET GENERAL NOTES

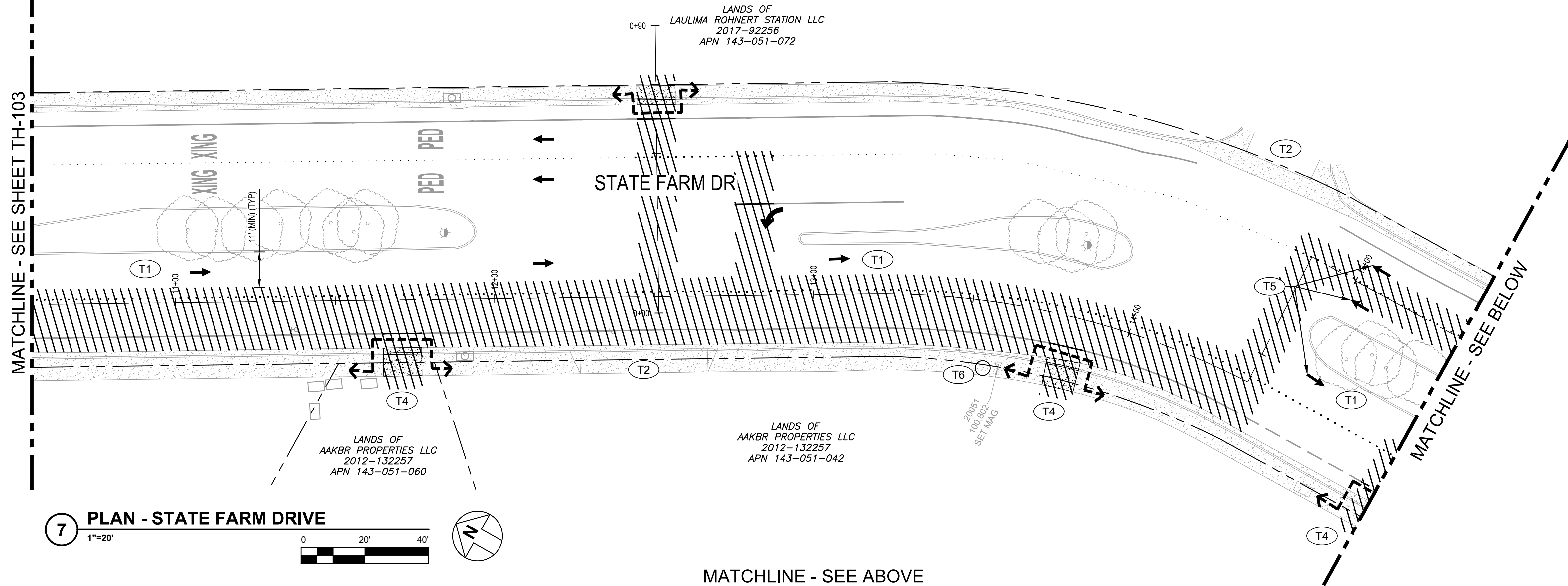
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- MAINTAIN OF TWO-WAY OR ONE-WAY TRAFFIC SHALL BE PER CA MUTCD.

KEYNOTES

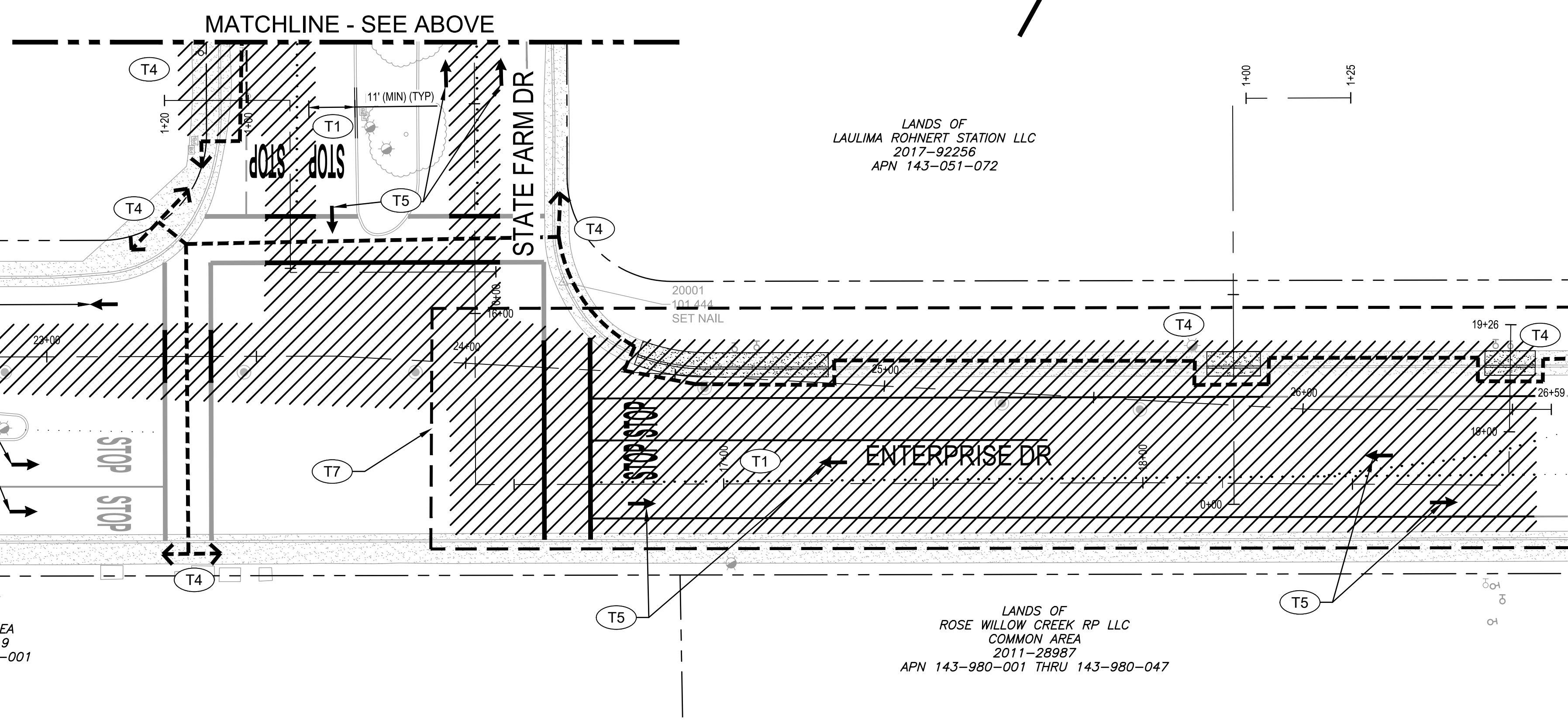
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SYMBOLS

- TEMPORARY PEDESTRIAN ROUTING
- MOVING WORK AREA
- BUS STOP (VINE TRANSIT)
- DIRECTION OF TRAFFIC (NOT PAVEMENT MARKING)



7 PLAN - STATE FARM DRIVE
1"=20'



8 PLAN - STATE FARM DRIVE
1"=20'

VGHNET\GHD\US\SANTA ROSA\PROJECTS\11187329 RP DOWNTOWN SEWER IMP\06-CADD\SHEETS\11187329 TH-01 THRU TH-104

CITY OF ROHNERT PARK

130 AVRAM AVENUE
ROHNERT PARK, CALIFORNIA 94928
PHONE: (707) 588-2232 FAX: (707) 794-9242



REV. NO.	DATE	DESCRIPTION	BY



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Santa Rosa California 95407 USA
T 1 707 523 1010 F 1 707 527 8679 W www.ghd.com

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MAY 26, 2020**

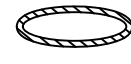
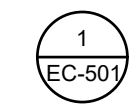
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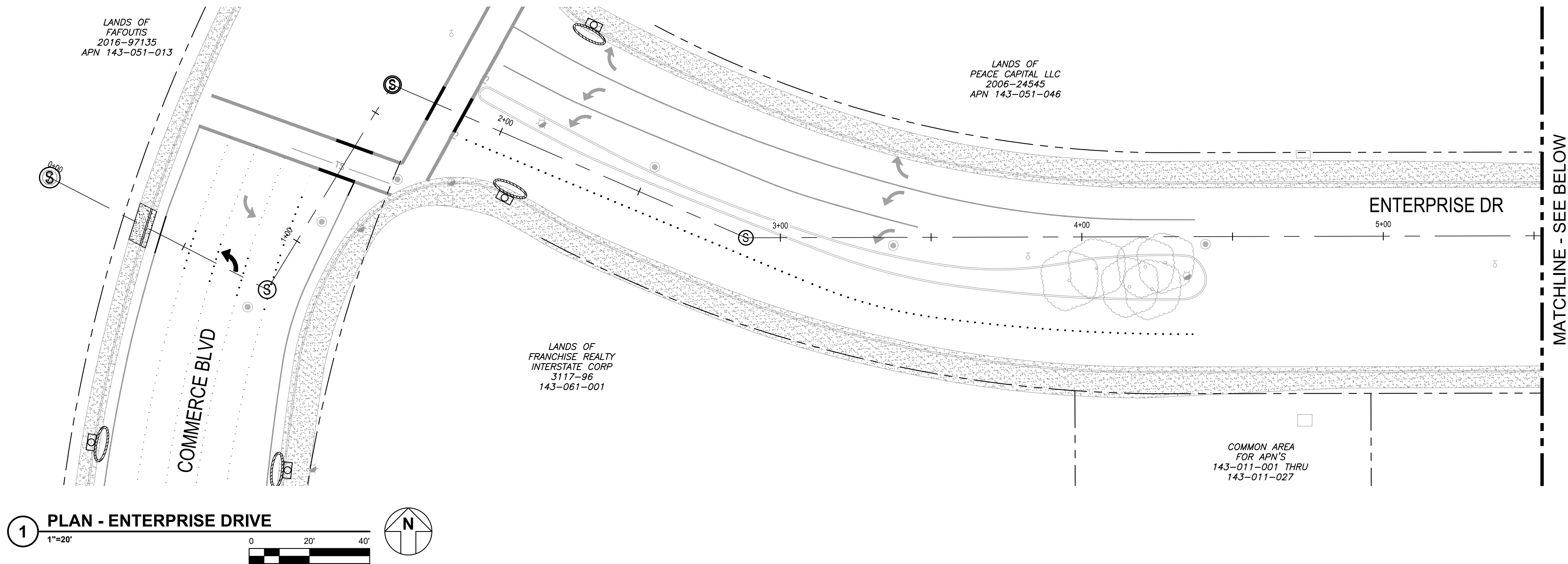
**CITY OF ROHNERT PARK
DOWNTOWN INFRASTRUCTURE IMPROVEMENTS**
Project No. 2018 - 40 + 2018 - 43

TRAFFIC HANDLING PLAN 4

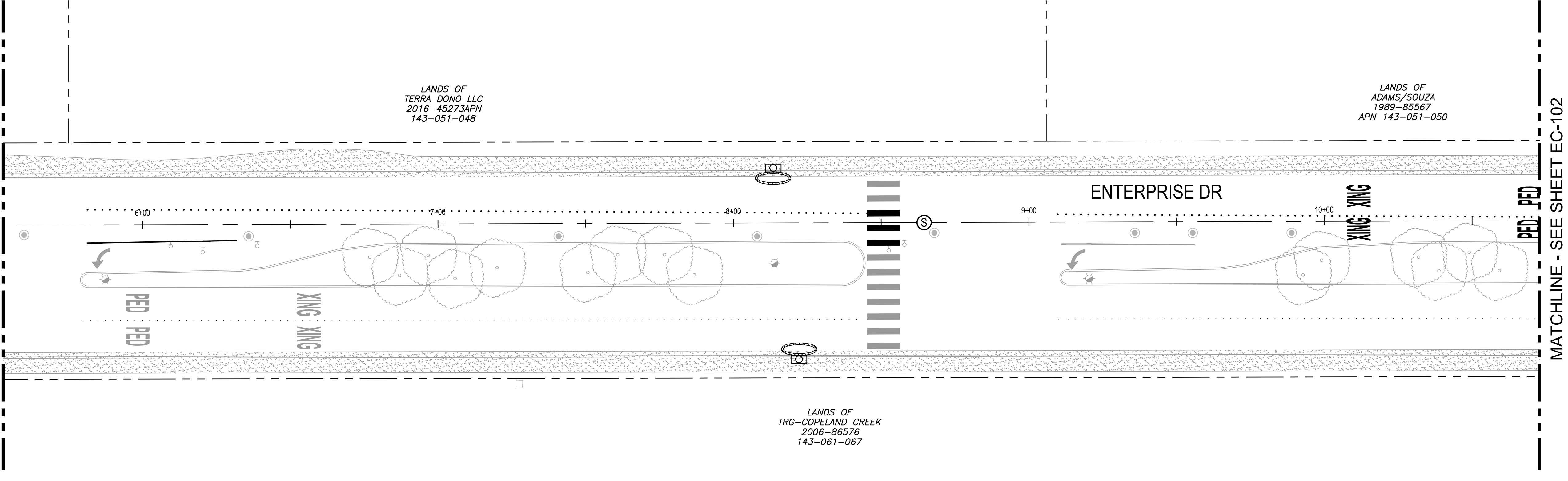
DESIGNED BY: MS
DRAWN BY: BM
CHECKED BY: SG
DATE: 02-01-2020
PROJECT: 11187329
DWG NO: TH-104
SHEET
32 OF 37
SHEETS

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LEGEND	
	CATCH BASIN PROTECTION, SEE DETAIL.
	1 EC-501



1 PLAN - ENTERPRISE DRIVE
1"=20'

2 PLAN - ENTERPRISE DRIVE
1"=20'



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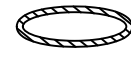
**CITY OF ROHNERT PARK
DOWNTOWN INFRASTRUCTURE IMPROVEMENTS**

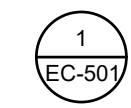
Project No. 2018 - 40 + 2018 - 43

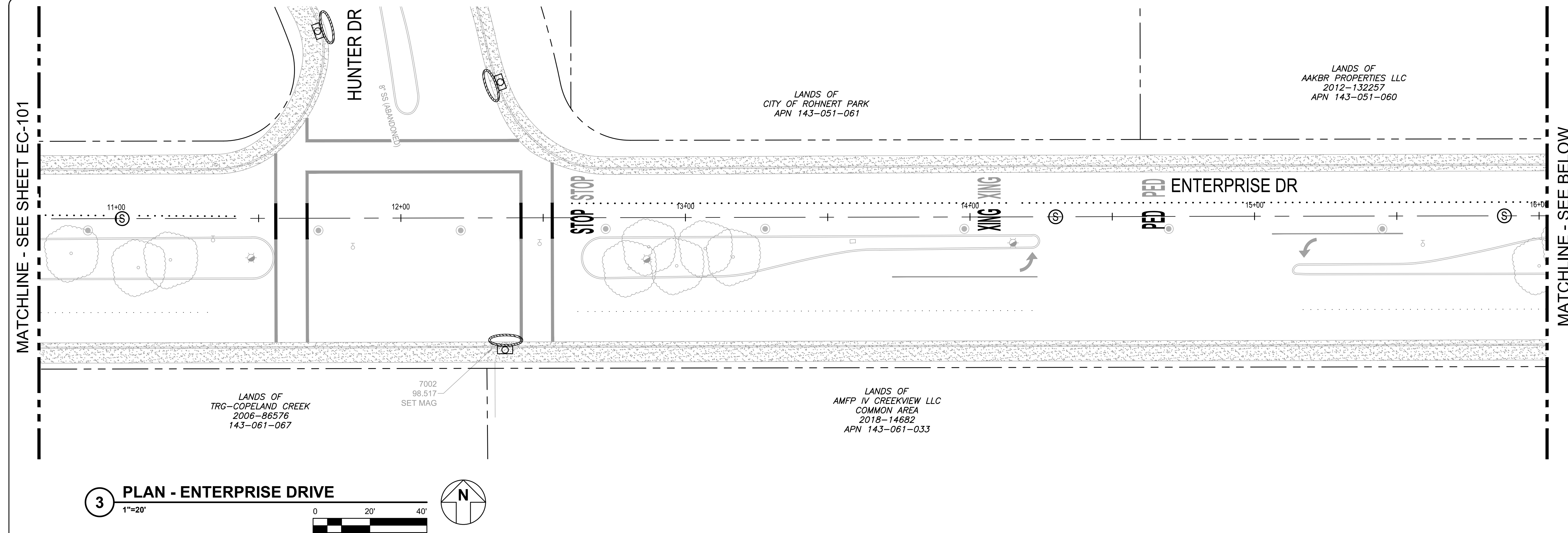
EROSION CONTROL PLAN 1

DESIGNED BY: MS
DRAWN BY: BM
CHECKED BY: SG
DATE: 02-01-2020
PROJECT: 11187329
DWG NO: EC-101
SHEET
33 OF 37
SHEETS

LEGEND

 CATCH BASIN PROTECTION, SEE DETAIL.

 1
EC-501

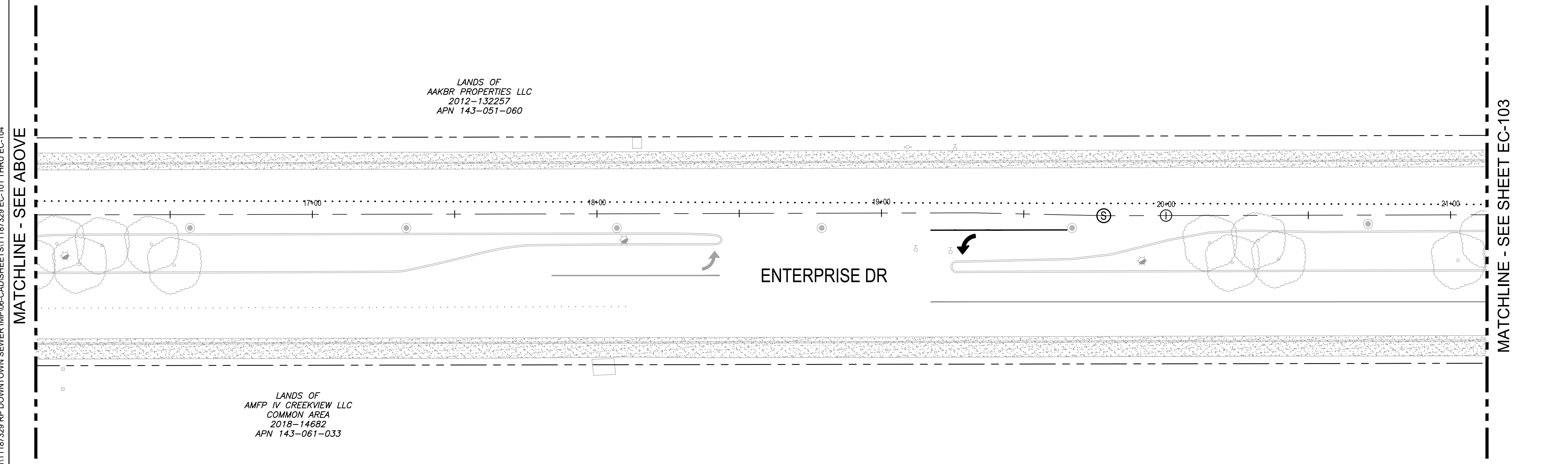


3 PLAN - ENTERPRISE DRIVE

1"=20'

0 20' 40'

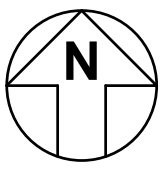




4 PLAN - ENTERPRISE DRIVE

1"=20'


0 20' 40'



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CITY OF ROHNERT PARK

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CITY OF ROHNERT PARK
DOWNTOWN INFRASTRUCTURE IMPROVEMENTS
Project No. 2018 - 40 + 2018 - 43

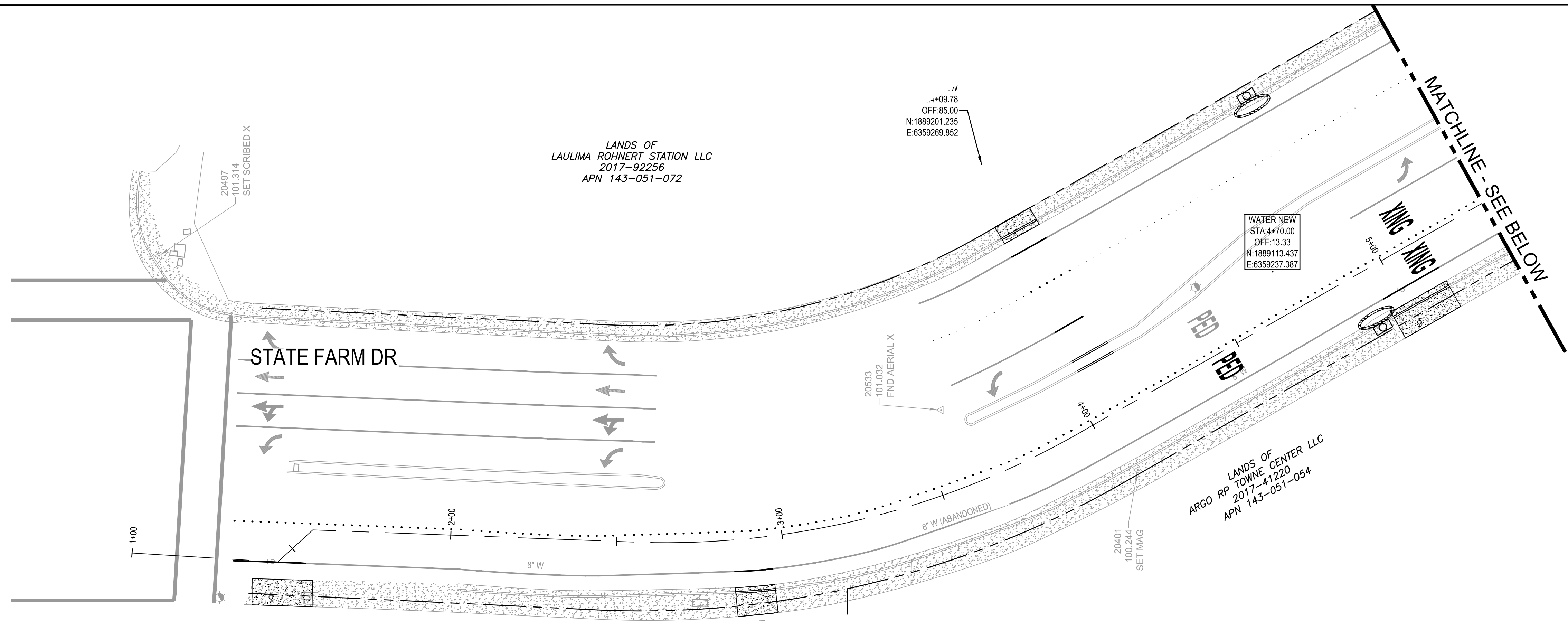
EROSION CONTROL PLAN 2

DESIGNED BY: MS
DRAWN BY: BM
CHECKED BY: SG
DATE: 02-01-2020
PROJECT: 11187329
DWG NO: EC-102
SHEET
34 OF 37
SHEETS

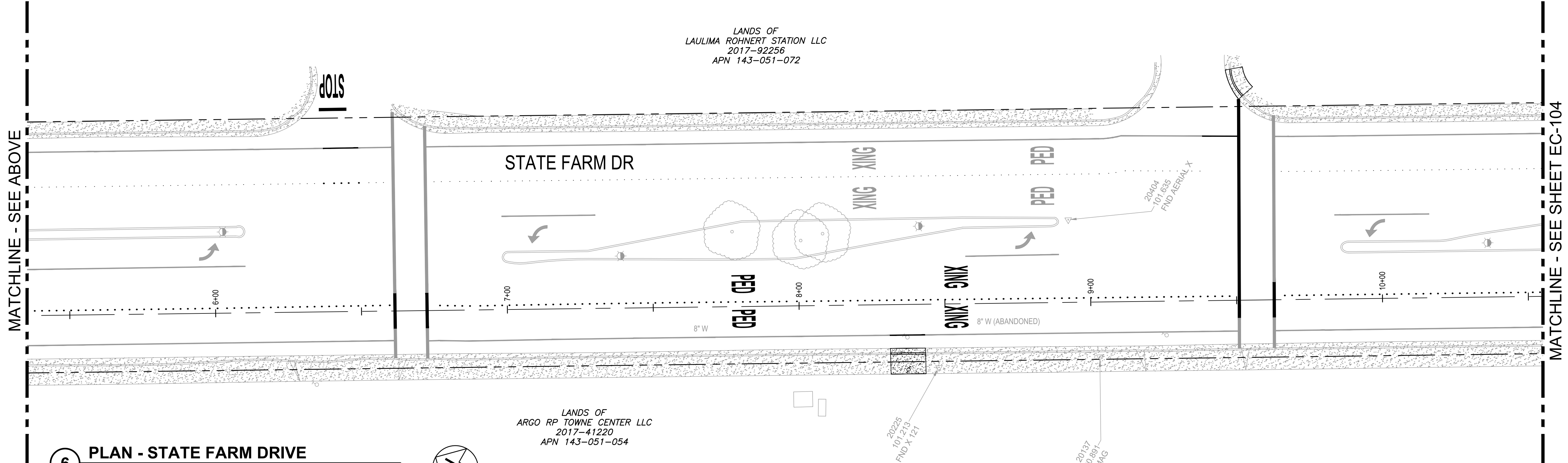
LEGEND

 CATCH BASIN PROTECTION, SEE DETAIL.

 1
EC-501



5 PLAN - ENTERPRISE DRIVE
1"=20'

6 PLAN - STATE FARM DRIVE
1"=20'



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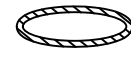
CITY OF ROHNERT PARK
DOWNTOWN INFRASTRUCTURE IMPROVEMENTS
Project No. 2018 - 40 + 2018 - 43

EROSION CONTROL PLAN 3

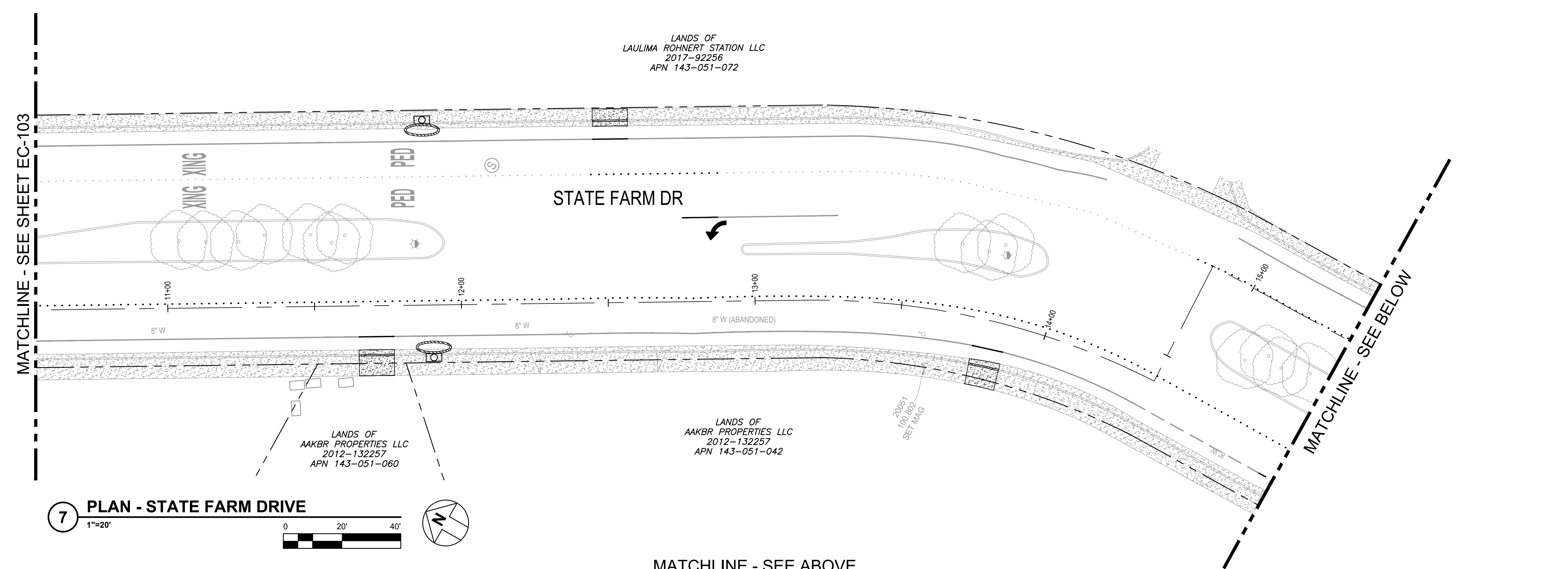
DESIGNED BY: MS
DRAWN BY: BM
CHECKED BY: SG
DATE: 02-01-2020
PROJECT: 11187329
DWG NO: EC-103
SHEET

35 OF 37
SHEETS

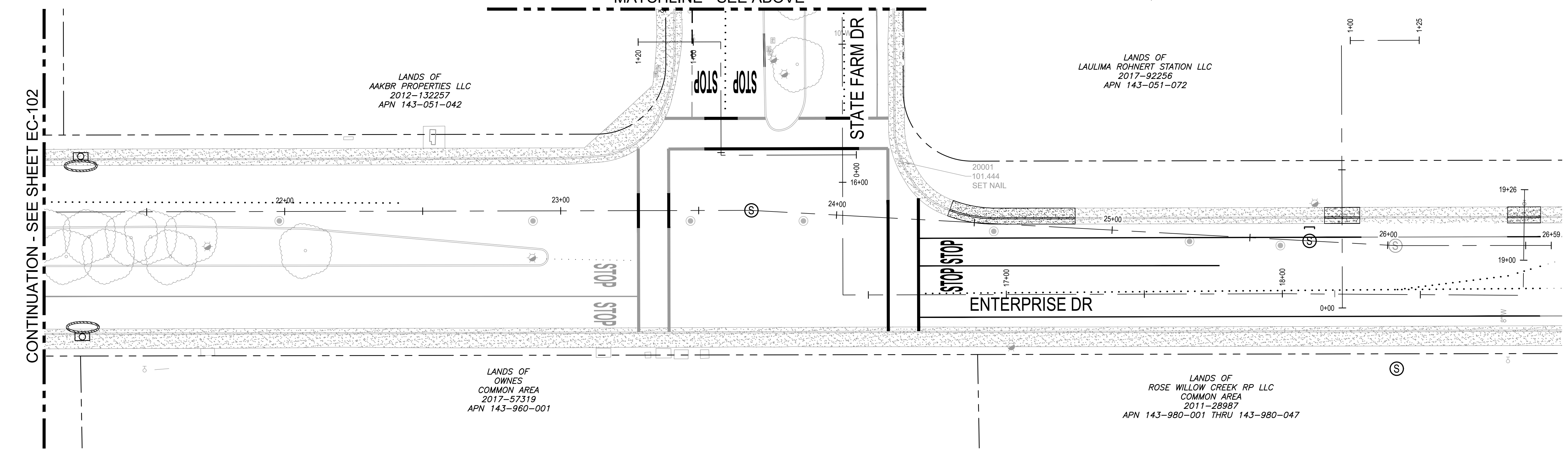
LEGEND

 CATCH BASIN PROTECTION, SEE DETAIL.

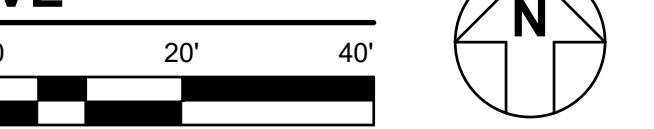
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EC-501



7 PLAN - STATE FARM DRIVE
1"=20'

8 PLAN - STATE FARM DRIVE
1"=20'



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MAY 26, 2020

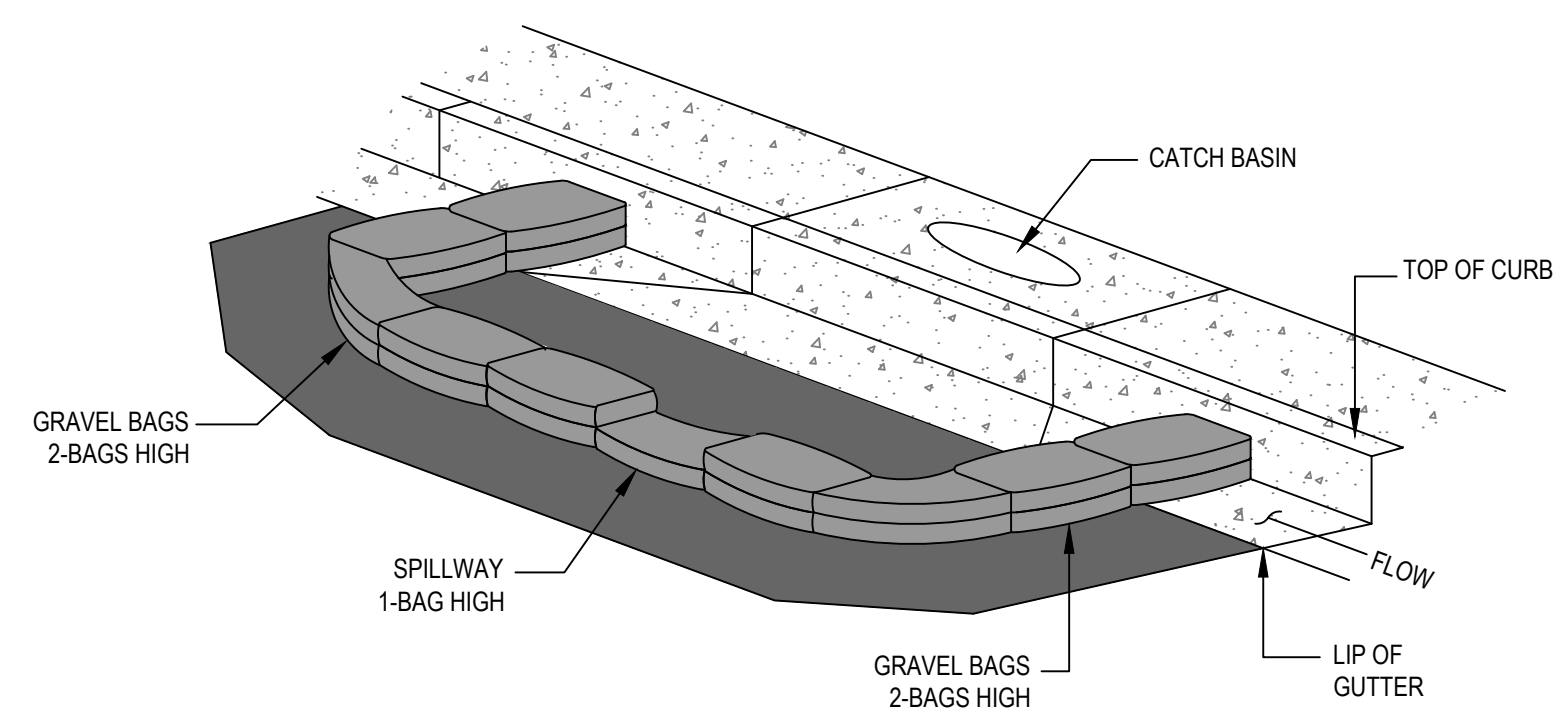
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CITY OF ROHNERT PARK
DOWNTOWN INFRASTRUCTURE IMPROVEMENTS
Project No. 2018 - 40 + 2018 - 43

EROSION CONTROL PLAN 4

DESIGNED BY: MS
DRAWN BY: BM
CHECKED BY: SG
DATE: 02-01-2020
PROJECT: 11187329
DWG NO: EC-104
SHEET
36 OF 37
SHEETS

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- NOTES:
1. INTENDED FOR SHORT-TERM USE.
 2. USE TO INHIBIT NON-STORM WATER FLOW
 3. ALLOW FOR PROPER MAINTENANCE AND CLEANUP
 4. BAGS MUST BE REMOVED AFTER ADJACENT OPERATION IS COMPLETED
 5. NOT APPLICABLE IN AREAS WITH HIGH SILTS AND CLAYS WITHOUT FILTER FABRIC

1 **STORM DRAIN INLET PROTECTION**
VAR NTS

CITY OF ROHNERT PARK

130 AVRAM AVENUE
ROHNERT PARK, CALIFORNIA 94928
PHONE: (707) 588-2232 FAX: (707) 794-9242



REV. NO.	DATE	DESCRIPTION	BY



GHD Inc.
2235 Mercury Way Suite 150
Santa Rosa California 95407 USA
T 1 707 523 1010 F 1 707 527 8679 W www.ghd.com

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CITY OF ROHNERT PARK
DOWNTOWN INFRASTRUCTURE IMPROVEMENTS
Project No. 2018 - 40 + 2018 - 43

EROSION CONTROL DETAILS 1

DESIGNED BY:	MS
DRAWN BY:	BM
CHECKED BY:	SG
DATE:	02-01-2020
PROJECT:	11187329
DWG NO:	EC-501
SHEET	
37 OF 37	
SHEETS	