

IMPROVEMENT DRAWINGS FOR

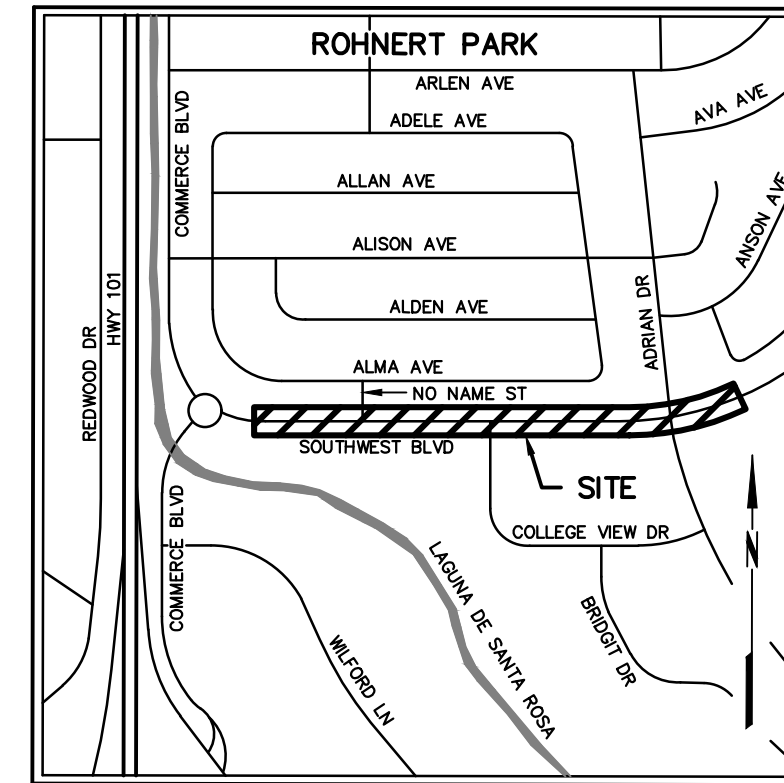
SOUTHWEST BOULEVARD COMPLETE STREETS

COMMERCE BOULEVARD TO ADRIAN DRIVE

IN THE CITY OF ROHNERT PARK

PROJECT # 2020-23
FEBRUARY 2024

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VICINITY MAP
NOT TO SCALE

CLIENT: CITY OF ROHNERT PARK
PUBLIC WORKS DEPARTMENT
600 ENTERPRISE DR
ROHNERT PARK, CA 94928
PH: (707) 588-3300
FAX: (707) 588-3333

CIVIL ENGINEER: BKF ENGINEERS
200 4TH ST, STE. 300
SANTA ROSA, CA 95401
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LANDSCAPE ARCHITECT: INTEGRA PLANNING & LANDSCAPE ARCHITECTURE
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TRAFFIC CONSULTANT: ITERIS
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OAKLAND, CA 94612
PH: (510) 540-7647

GEOTECHNICAL ENGINEER: KLEINFELDER
2240 NORTHPOINT PARKWAY
SANTA ROSA, CA 95407
PH: (707) 571-1883
FAX: (707) 571-7813

PROJECT PUBLIC IMPROVEMENTS ARE EXEMPT FROM STORMWATER TREATMENT UNDER THE MS4 PERMIT AND SANTA ROSA LID STANDARD IN THAT THE TOTAL NEW IMPERVIOUS SURFACE IS 3,688 SF, WHICH IS LESS THAN 10,000 SF

I:\BKF-SR\10\4\2024\1211837_CITY OF ROHNERT PARK MSA-10_SOUTHWEST BLVD\DWG\211837_IMPR

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



REV. NO.	DATE	DESCRIPTION	BY

BKF ENGINEERS
200 4th STREET
SUITE 300
SANTA ROSA, CA 95401
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APPROVED: *Vanessa Marin Garrett*
DATE: 02/15/2024
VANESSA MARIN GARRETT R.C.E. 84141
CITY ENGINEER, CITY OF ROHNERT PARK
LICENSE EXPIRES SEPTEMBER 25, 2025

SOUTHWEST BOULEVARD COMPLETE STREETS
COMMERCE BOULEVARD-ADRIAN DRIVE
PROJECT # 2020-23

PROJECT INFORMATION

DESIGNED BY: NR
DRAWN BY: CAG
CHECKED BY: VM
DATE: FEBRUARY 2024
PROJECT: 20211837-10
DWG NO: C0.0
SHEET
1 OF 40
SHEETS

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 2022 STATE STANDARD SPECIFICATIONS AND STANDARD PLANS, UNLESS OTHERWISE NOTED.
- 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) (707) 579-6200
 - AT&T BROADBAND (COMMUNICATION) (707) 544-7337
 - COMCAST (CABLE) (800) 945-2288
 - SONOMA COUNTY WATER AGENCY (707) 526-5370
 - CITY OF ROHNERT PARK - UTILITIES (WATER, SEWER, RECYCLED WATER, STORM DRAIN) (707) 588-3300
 - SONOMA COUNTY TRANSPORTATION AUTHORITY (707) 565-5373
 - GOLDEN GATE TRANSIT (415) 455-2000
- THE CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT (USA) AT (800) 227-2600 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 742. 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.
- WATER SERVICES AND SEWER LATERALS SHALL BE SEPARATED HORIZONTALLY BY A MINIMUM OF FIVE (5) FEET, UNO.
- 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 PARKS 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.
- 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.
- AN ENCROACHMENT PERMIT SHALL BE REQUIRED PRIOR TO BEGINNING WORK, AT NO CHARGE TO THE CONTRACTOR.
- CONTRACTOR SHALL PROVIDE A BIRD SURVEY PRIOR TO BEGIN CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE AS-BUILTS.
- ALL GRADING, COMPACTION AND GRIND AND OVERLAYS SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL INVESTIGATION PREPARED BY KLEINFELDER, DATED DECEMBER 1, 2022.
- AFTER CONSTRUCTION ACTIVITIES ARE COMPLETE, THE CONTRACTOR SHALL REMOVE ALL USA MARKINGS IN THE PROJECT AREA.

CONSTRUCTION NOTES

- THE LOCATION OF EXISTING UTILITIES SHOWN ON THE PLANS ARE BASED ON RECEIVED EXISTING RECORD MAPPING, DRAWINGS AND LIMITED POSITIVE LOCATION POTHOLING. CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY EXACT LOCATIONS OF ALL UTILITIES. THE TOWN ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THIS INFORMATION OR THE INADVERTENT OMISSION OF ANY SUCH INFORMATION. CONTRACTOR IS TO INVESTIGATE THE PROJECT SITE AND BE AWARE OF ANY OVERHEAD CLEARANCES AND ALL OVERHEAD UTILITIES.
- ANY DAMAGES TO TOWN, UTILITY OR PRIVATE PROPERTY CAUSED BY CONTRACTOR OPERATIONS SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE OF IMMEDIATE OFF-SITE DISPOSAL OF ALL REMOVED OR DEMOLISHED BITUMINOUS PAVEMENT, AGGREGATE, SOILS, ETC. AS REQUIRED BY THE ENGINEER AND PER THE SPECIFICATIONS.
- EXISTING BRUSH, BUSHES, SHRUBBERY, ETC. SHALL BE TRIMMED TO FACILITATE CONSTRUCTION. REMOVED ONLY AS DIRECTED BY THE ENGINEER, THE CITY, OR AS SHOWN ON THE LANDSCAPE DRAWINGS.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS AND BUSINESS/COMMERCIAL/RESIDENTIAL DOOR FRONTS/ENTRIES DURING CONSTRUCTION, INCLUDING PEDESTRIAN SIDEWALK ACCESS. CONTRACTORS TO PHASE /PLAN CONSTRUCTION TO MAINTAIN ACCESS.
- ALL TRAFFIC CONTROL HANDLING, STAGING AND DETOURS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CALIFORNIA DEPARTMENT OF TRANSPORTATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) STANDARD PLANS AND SPECIFICATIONS AND THE CITY OF ROHNERT PARK CONSTRUCTION TRAFFIC CONTROL PROCEDURES ON THE CITY STREETS MANUAL.

MAPPING NOTES

UNAUTHORIZED CHANGES & USES: THE PROFESSIONAL PREPARING THIS MAP WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THIS MAP. CHANGES TO THIS MAP MUST BE REQUESTED IN WRITING AND MUST BE APPROVED BY THE PROFESSIONAL.

THE LOCATIONS OF EXISTING UNDERGROUND FACILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND ARE BASED ON OBSERVED TOPOGRAPHIC SURFACE FEATURES AND AVAILABLE INFORMATION. THE PROFESSIONAL PREPARING THIS MAP ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THESE FACILITIES OR FOR THE INADVERTENT OMISSION OF RELATED INFORMATION.

TOPOGRAPHIC INFORMATION SHOWN HEREON WAS OBTAINED FROM A FIELD SURVEY CONDUCTED BY BKF ENGINEERS.

TREE DIAMETERS ARE MEASURED AT CHEST HEIGHT (48"). DRIPLINE DIAMETERS AND TREE SPECIES ARE APPROXIMATE ONLY AND SHOULD BE VERIFIED BY A CERTIFIED ARBORIST.

BASIS OF BEARINGS: RECORD OF SURVEY OF THE LANDS OF McCULLOH TRUST, FILED IN BOOK 417 OF MAPS, PAGE 23, SONOMA COUNTY RECORDS.

THE BEARINGS AND DISTANCES DO NOT REFLECT A FIELD SURVEY AND DO NOT CONSTITUTE A FORMAL BOUNDARY DETERMINATION.

BENCHMARK: REBAR IN MONUMENT WELL AT THE CENTERLINE OF SOUTHWEST BOULEVARD, APPROXIMATELY 280-FEET EAST OF THE CENTER OF THE ROUNDABOUT AT THE INTERSECTION OF SOUTHWEST BOULEVARD AND COMMERCE BOULEVARD. LOCATION SHOWN HEREON. ELEVATION 98.91 (DATUM NAVD 88 BY GPS OBSERVATIONS UTILIZING THE CALIFORNIA SURVEY & DRAFTING SUPPLY VSN).

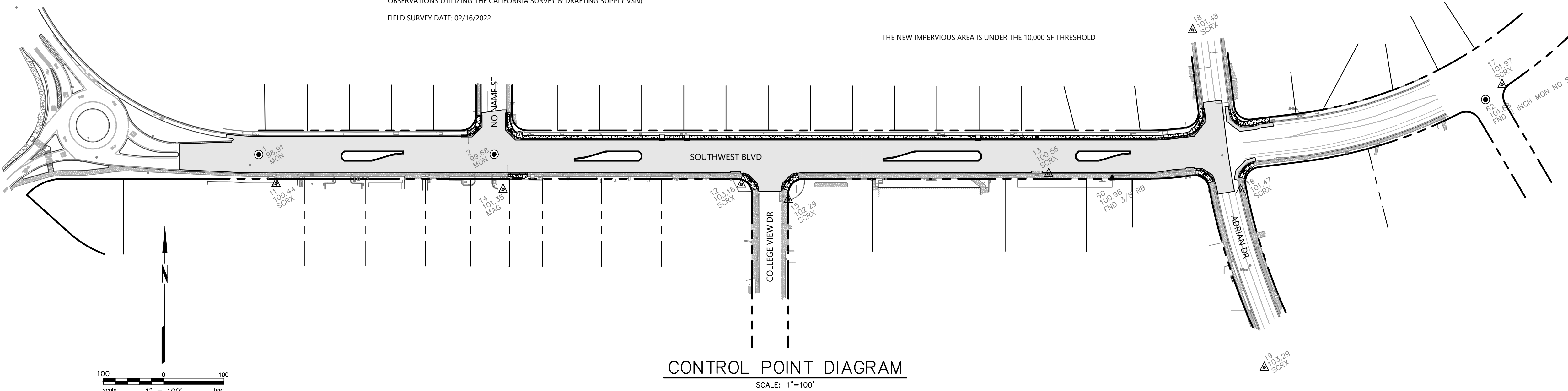
FIELD SURVEY DATE: 02/16/2022

ABBREVIATIONS

±	MORE OR LESS	MH	MANHOLE
AB	AGGREGATE BASE	MIN	MINIMUM
AC	ASPHALT CONCRETE	MON	MONUMENT
APN	ASSESSOR'S PARCEL NUMBER	PRC	POINT OF REVERSE CURVE
BC	BEGIN CURVE	PTC	PROJECTED TOP OF CURB
BFP	BACKFLOW PREVENTER	R	RADIUS
BLDG	BUILDING	PRC	POINT OF REVERSE CURVE
BLRD	BOLLARD	RTWL	RETAINING WALL
BM	BENCHMARK	S=	SLOPE
CB	CATCH BASIN	SD	STORM DRAIN
CL	CENTERLINE	SDMH	STORM DRAIN MANHOLE
CONC	CONCRETE	SL	STREETLIGHT
DDC	DOUBLE DETECTOR CHECK	SS	SANITARY SEWER
DW	DRIVEWAY	SSCO	SANITARY SEWER CLEAN OUT
E	ELECTRIC	SSMH	SANITARY SEWER MANHOLE
EG	EXISTING GROUND	STA	STATION
ELEV	ELEVATION	TB	TOP OF BOX
EX	EXISTING	TC	TOP FACE OF CURB
FG	FINISHED GRADE	TEL	TELECOMMUNICATION LINE
G	GAS	TG	TOP OF GRATE
GB	GRADE BREAK	TS	TRAFFIC SIGNAL
GI	GATE INLET	TW	TOP OF WALL
INV	BOTTOM INSIDE OF PIPE	TYP	TYPICAL
IP	IRON PIPE	UB	UTILITY BOX
IR	IRRIGATION	UT	UNDERGROUND UTILITY LINE
MAX	MAXIMUM	VLT	VAULT
		W	WATER

SYMBOLS & LEGEND

EXISTING	PROPOSED	
		IRON PIPE CENTERLINE MONUMENT
		BLOW OFF VALVE BACKFLOW PREVENTION DEVICE
		FIRE DEPARTMENT CONNECTION FIRE HYDRANT
		POST INDICATOR VALVE REDUCER
		LIGHT POLE STREET SIGN
		STREET LIGHT CATCH BASIN
		TREE TREE CLUSTER
		TREE TO BE REMOVED REMOVE EXISTING MATERIAL
		ASPHALT EDGE GRIND & OVERLAY ASPHALT GRIND & OVERLAY
		PROPERTY LINE EASEMENT
		CENTERLINE GRADE BREAK
		FENCE SANITARY SEWER
		STORM DRAIN
		WATER
		UNDERGROUND UTILITY LINE
		UNDERGROUND ELECTRIC LINE
		UNDERGROUND GAS LINE
		UNDERGROUND TELECOM LINE
		NEW ASPHALT SECTION
		ASPHALT GRIND & OVERLAY
		ASPHALT EDGE GRIND & OVERLAY
		CONCRETE
		DETECTABLE WARNING
		VALLEY GUTTER
		KEYNOTE
		DETAIL IDENTIFICATION
		SHEET WHERE DETAIL IS SHOWN
		CROSS SECTION IDENTIFICATION
		SHEET WHERE CROSS SECTION IS SHOWN



NO.	ELEV.	DESCRIPTION	NORTHING	EASTING
1	98.91	FOUND CL MONUMENT	10040.69	10224.15
2	99.68	FOUND CL MONUMENT	10041.77	10614.77
11	100.44	SCRIBED 'X'	9992.73	10253.03
12	103.18	SCRIBED 'X'	9992.77	11025.14
13	100.56	SCRIBED 'X'	10011.33	11535.28
14	101.35	MAG & WASHER	9983.49	10629.72
15	102.29	SCRIBED 'X'	9967.81	11103.06
16	101.47	SCRIBED 'X'	9985.04	11853.55
17	101.97	SCRIBED 'X'	10160.73	12287.35
18	101.48	SCRIBED 'X'	10250.39	11773.73
19	103.29	SCRIBED 'X'	9691.07	11893.84
60	100.98	FOUND 3/8" REBAR	10004.30	11640.45
62	101.68	FOUND 2" CL MONUMENT, NO STAMP	10135.99	12259.80

\\BKF-SR\VOL\2021\1211837_CITY OF ROHNERT PARK MSA-10_SOUTHWEST BLVD\DWG\211837_IMPR

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

REV. NO.	DATE	DESCRIPTION	BY

BKF ENGINEERS
 200 4th STREET
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APPROVED:

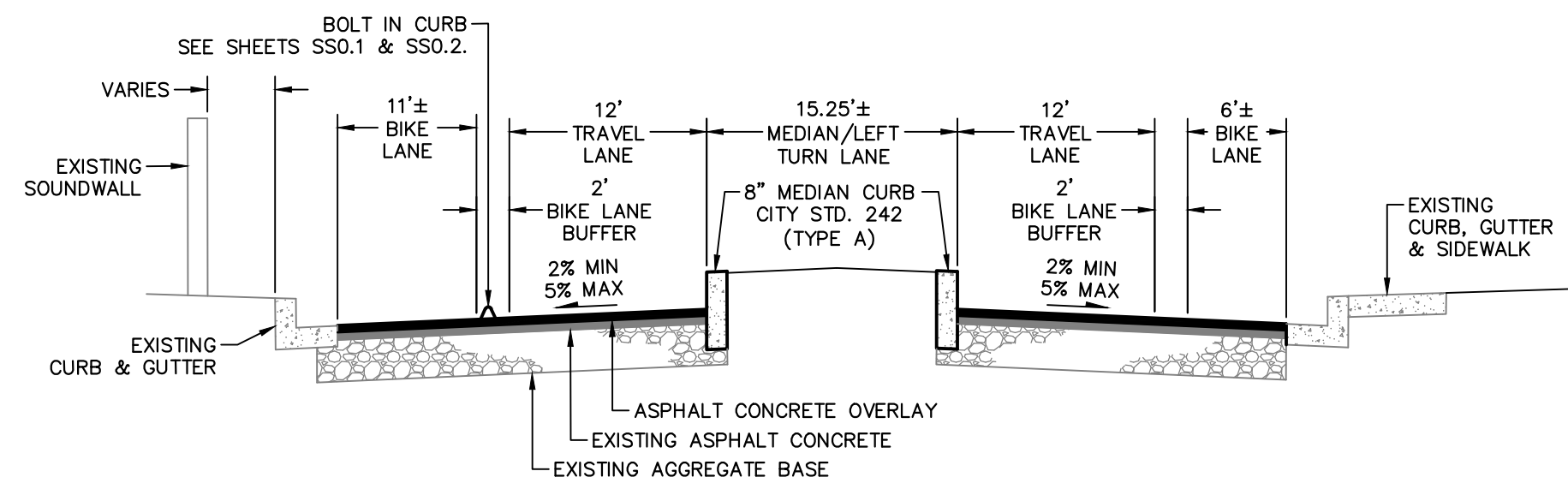
 DATE: 02/15/2024
VANESSA MARIN GARRETT R.C.E. 84141
 CITY ENGINEER, CITY OF ROHNERT PARK
 LICENSE EXPIRES SEPTEMBER 25, 2025

**SOUTHWEST BOULEVARD COMPLETE STREETS
 COMMERCE BOULEVARD-ADRIAN DRIVE
 PROJECT # 2020-23**

**GENERAL NOTES, LEGEND, ABBREVIATIONS
 & CONTROL DIAGRAM**

DESIGNED BY: NR
 DRAWN BY: CAG
 CHECKED BY: VM
 DATE: FEBRUARY 2024
 PROJECT: 20211837-10
 DWG NO: C0.1
 SHEET

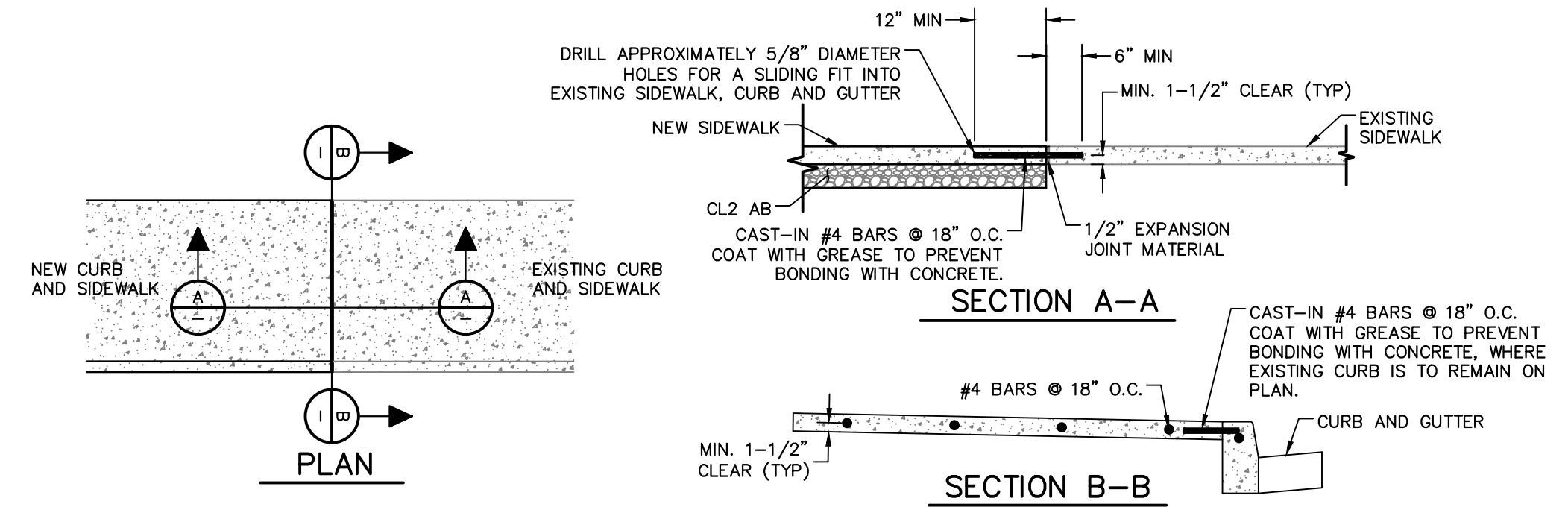
2 OF 40
 SHEETS



SOUTHWEST BOULEVARD TYPICAL SECTION WITHOUT SIDEWALK IMPROVEMENTS

A

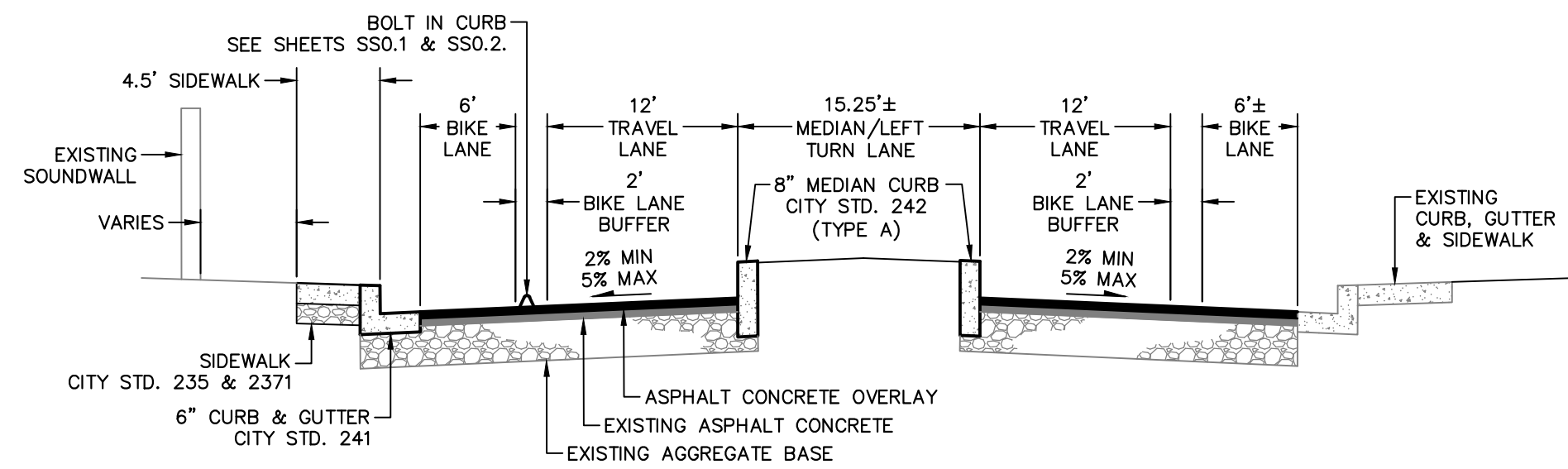
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SIDEWALK EXPANSION JOINT

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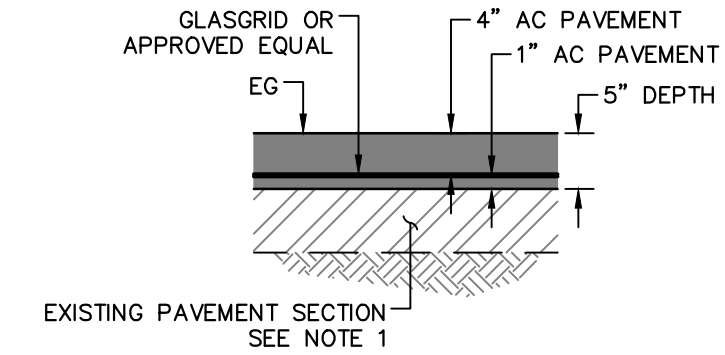
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SOUTHWEST BOULEVARD TYPICAL SECTION WITH SIDEWALK IMPROVEMENTS

B

NO SCALE



NOTES:

- EXISTING PAVEMENT SECTION DEPTHS VARY. REFER TO THE PROJECT GEOTECHNICAL REPORT.
- PAVEMENT SURFACE TO BE CLEANED BEFORE FINAL OVERLAY IS APPLIED.

5" GRIND AND OVERLAY WITH GLASSGRID

2

NO SCALE

\\BKF-SRV\04\2021\211837_CITY OF ROHNERT PARK MSA-10_SOUTHWEST BLVD\DWG\211837_IMPR

CITY OF ROHNERT PARK

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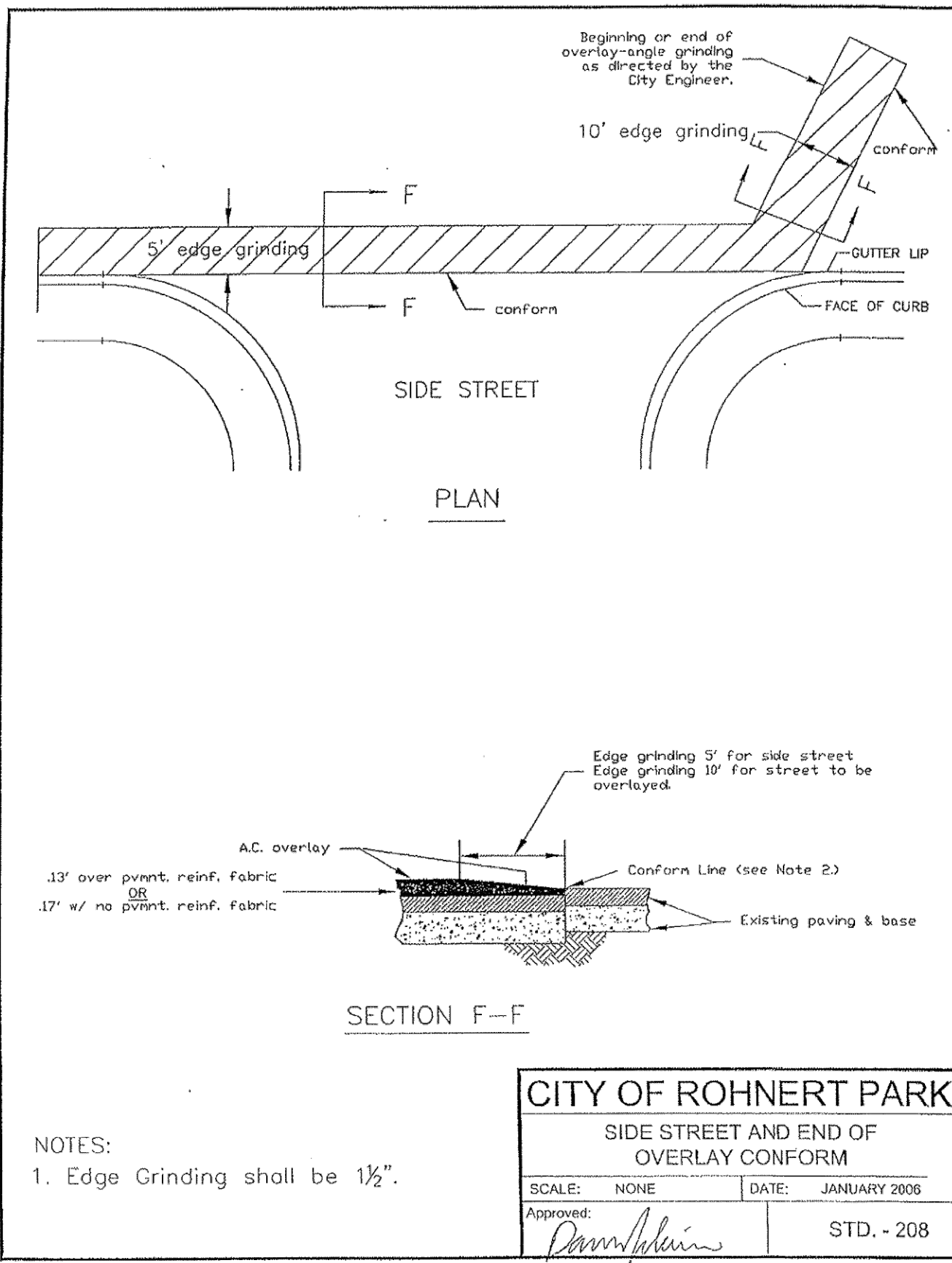


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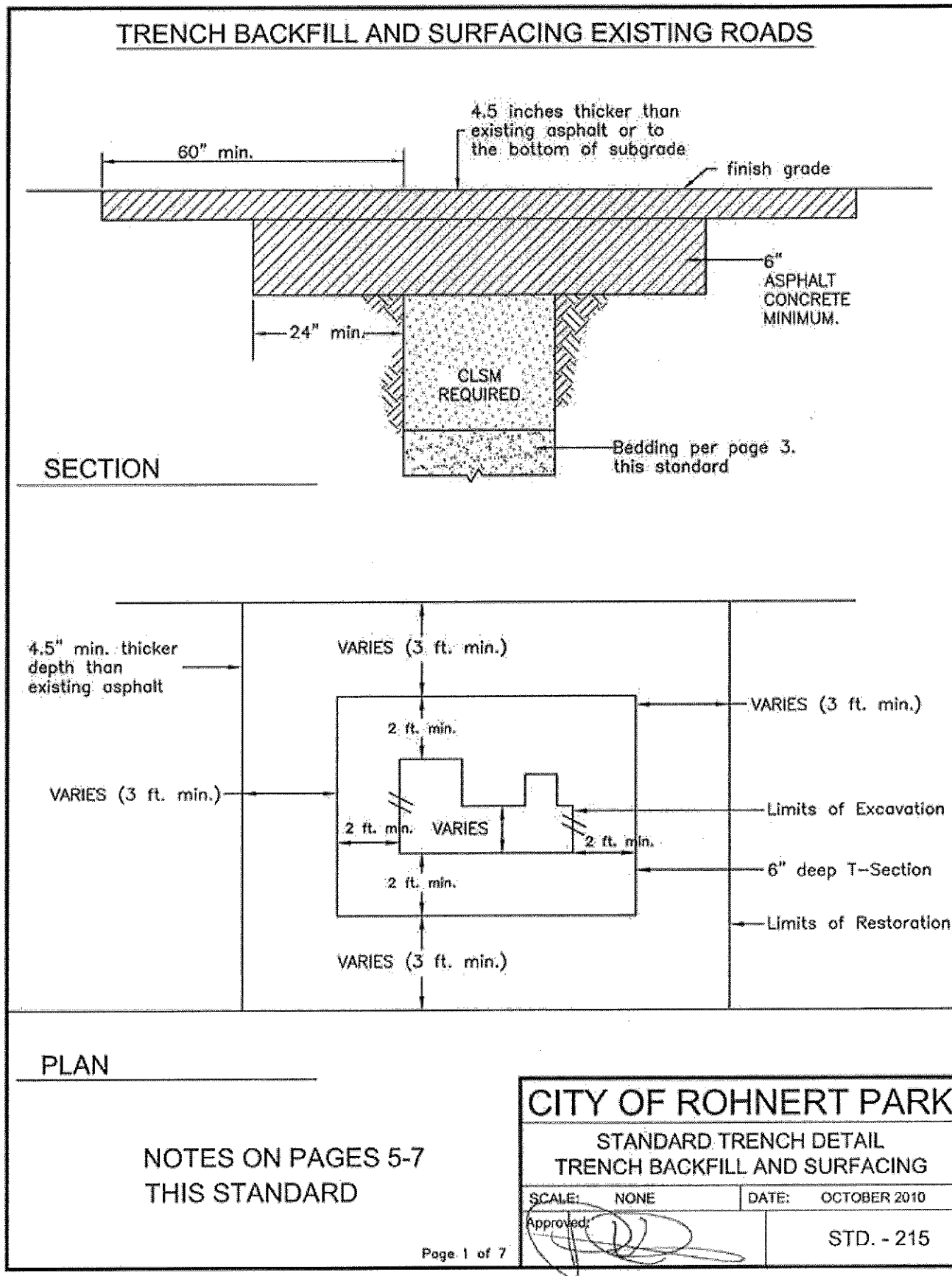
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COMMERCE BOULEVARD-ADRIAN DRIVE
PROJECT # 2020-23**

CONSTRUCTION DETAILS

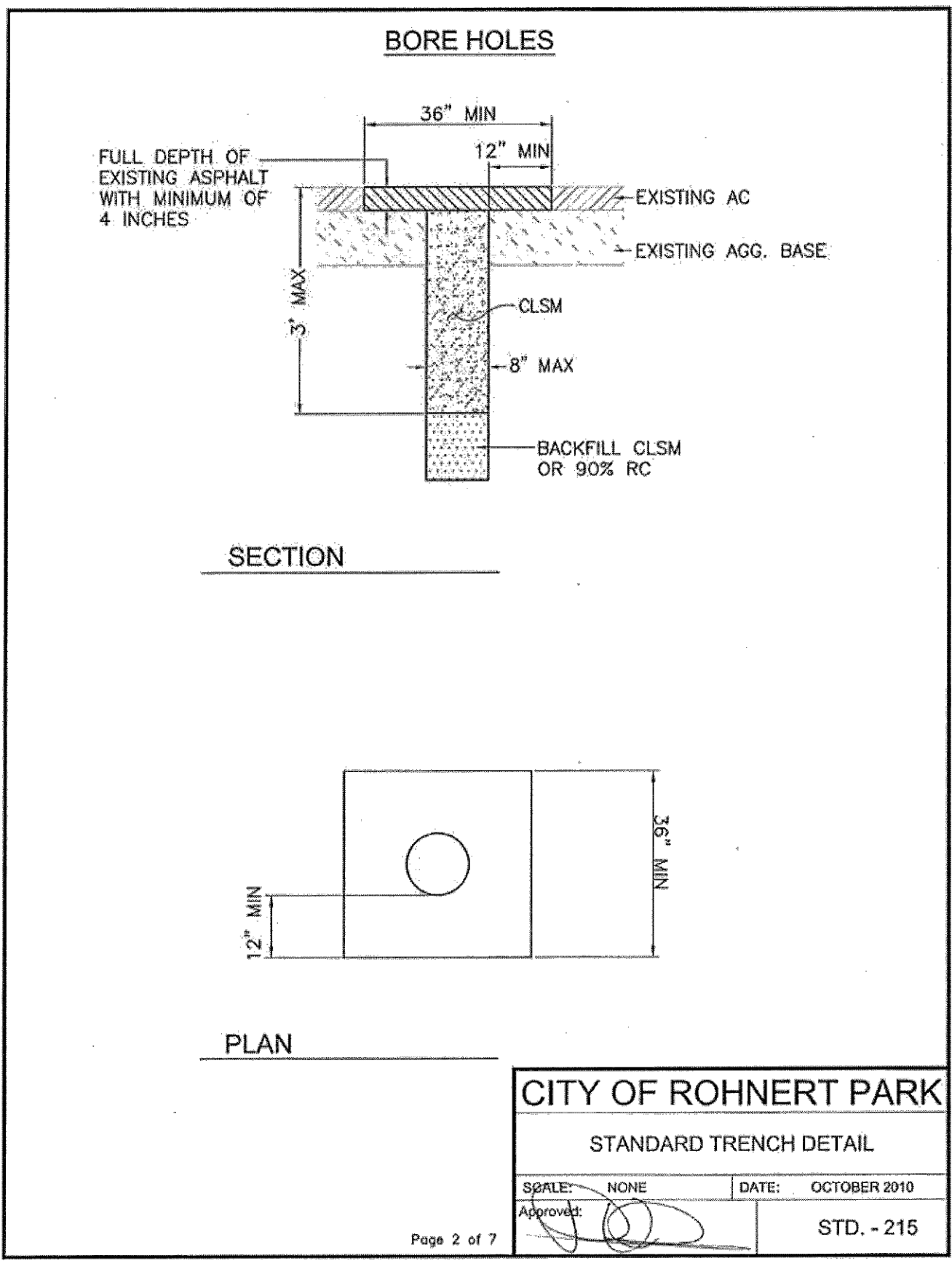
DESIGNED BY: NR
DRAWN BY: CAG
CHECKED BY: VM
DATE: FEBRUARY 2024
PROJECT: 20211837-10
DWG NO: CO.2
SHEET



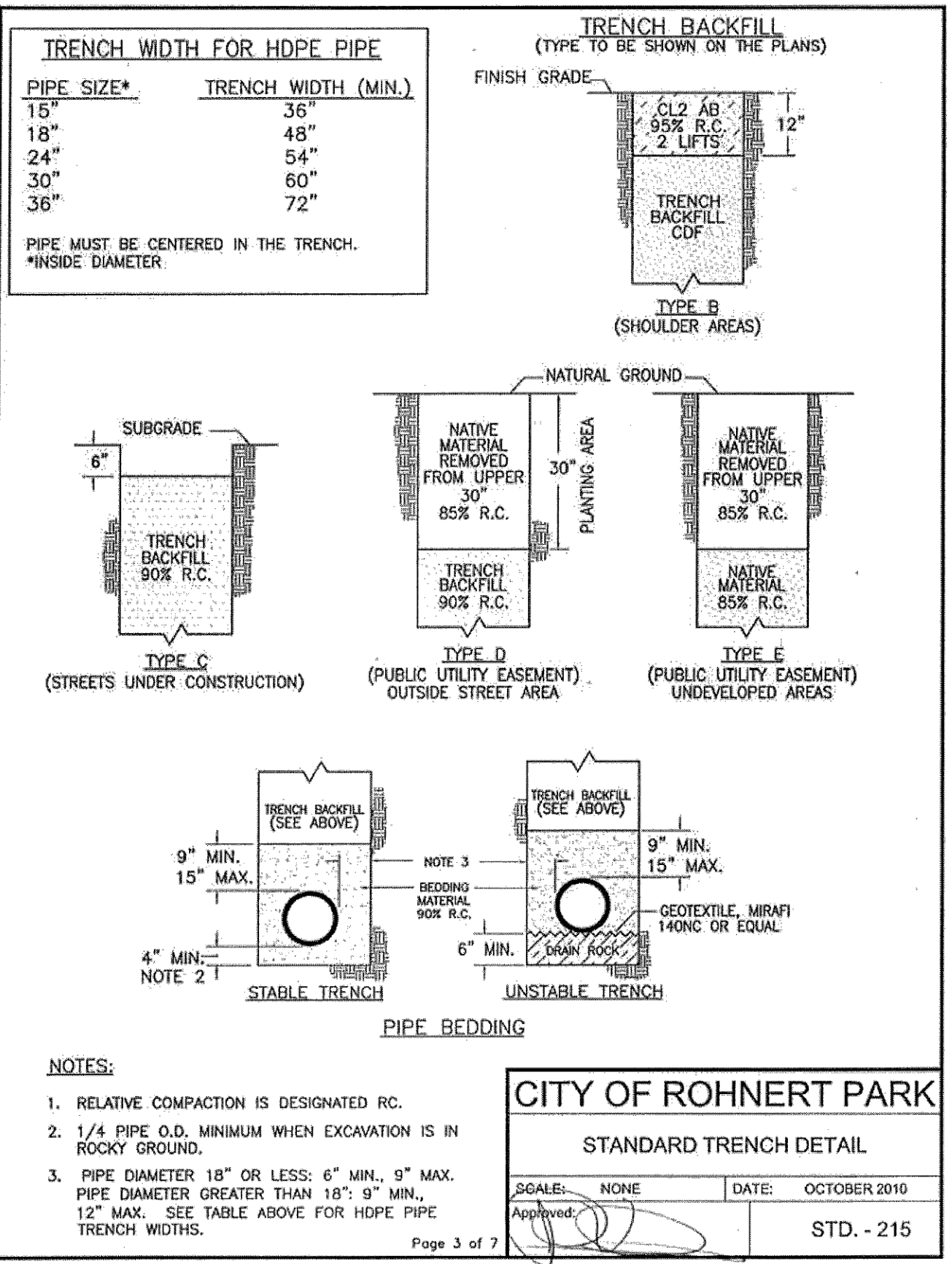
CITY OF ROHNERT PARK
 SIDE STREET AND END OF OVERLAY CONFORM
 SCALE: NONE DATE: JANUARY 2008
 Approved: [Signature] STD. - 208



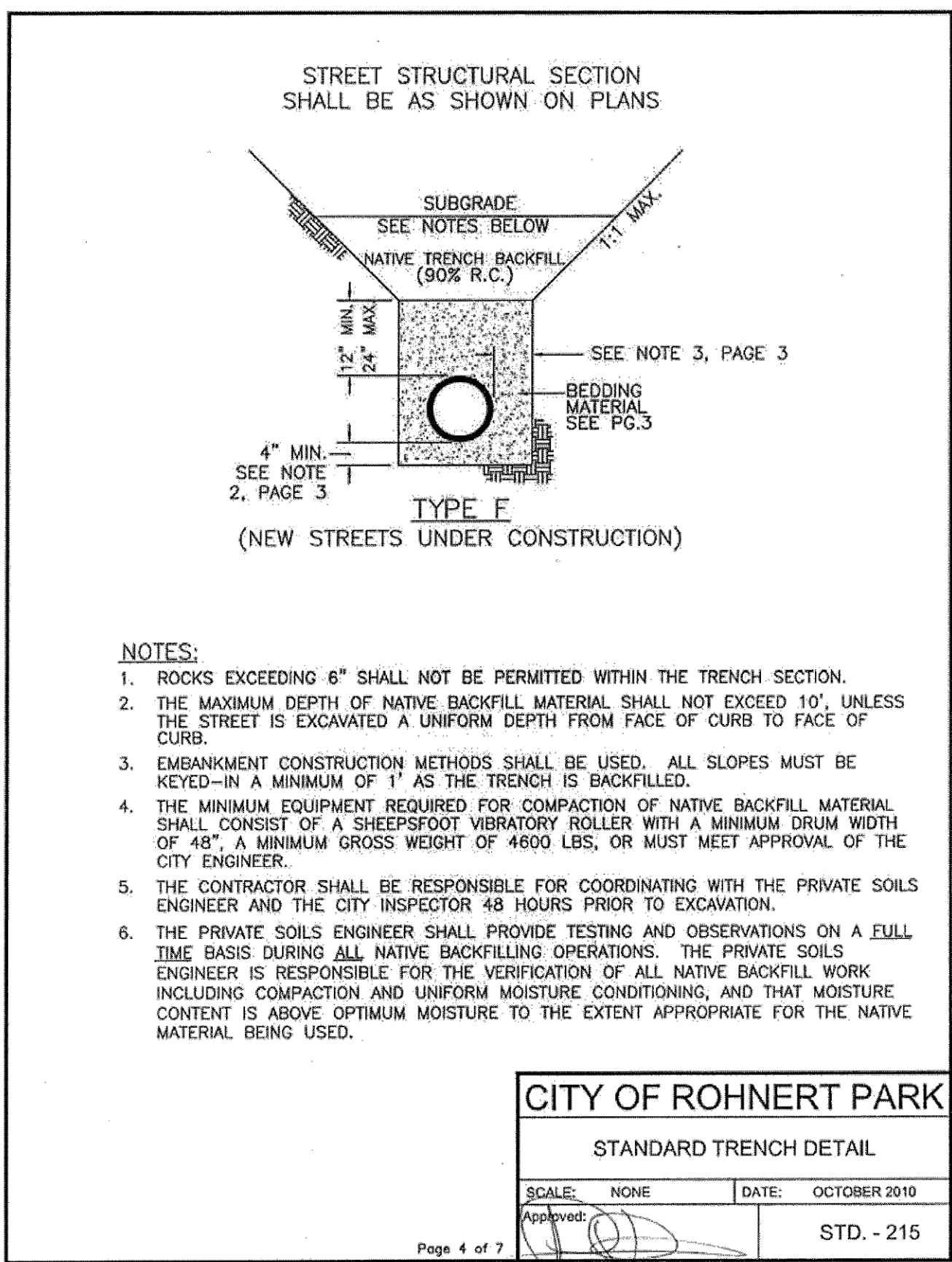
CITY OF ROHNERT PARK
 STANDARD TRENCH DETAIL
 TRENCH BACKFILL AND SURFACING
 SCALE: NONE DATE: OCTOBER 2010
 Approved: [Signature] STD. - 215



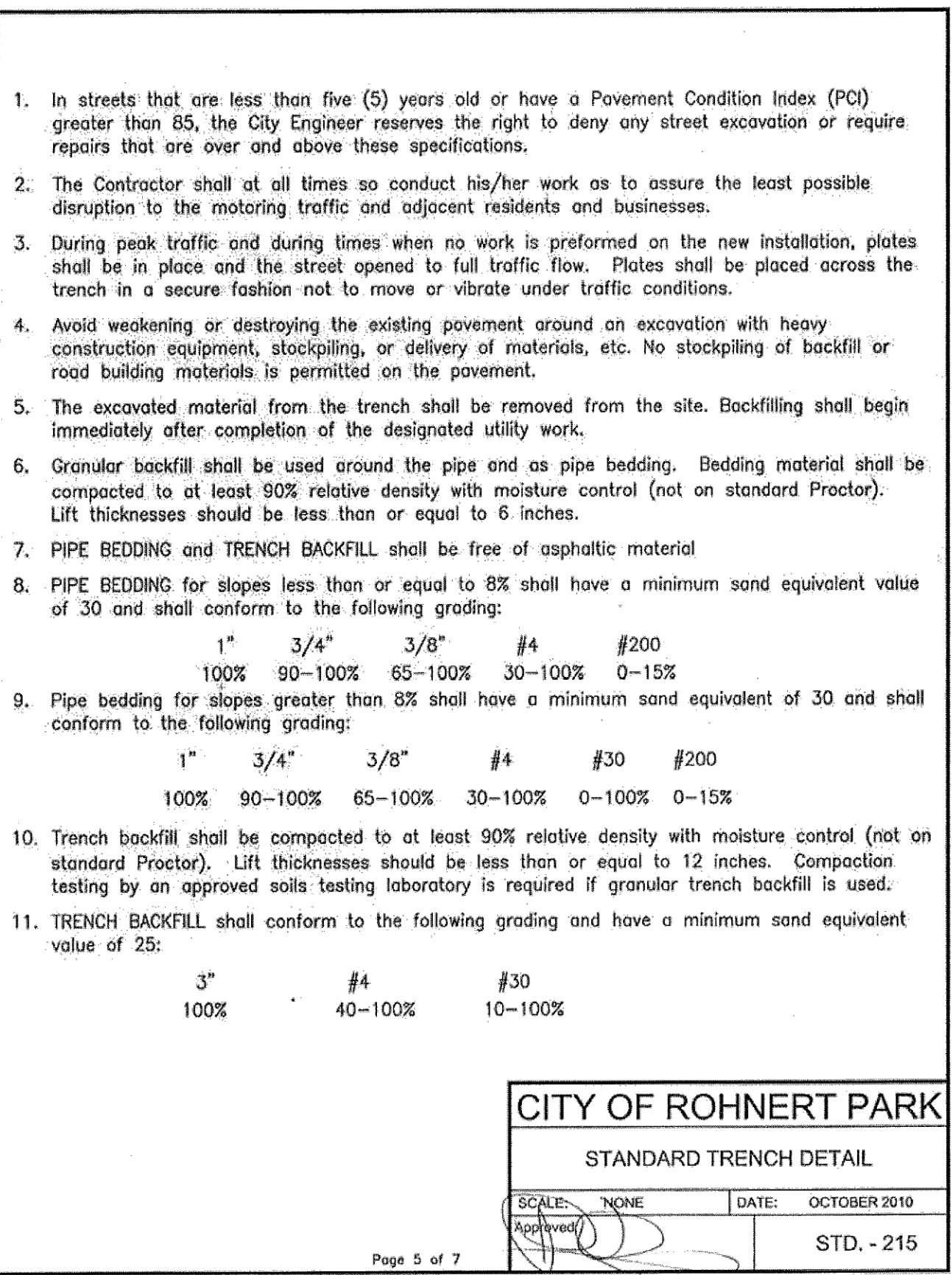
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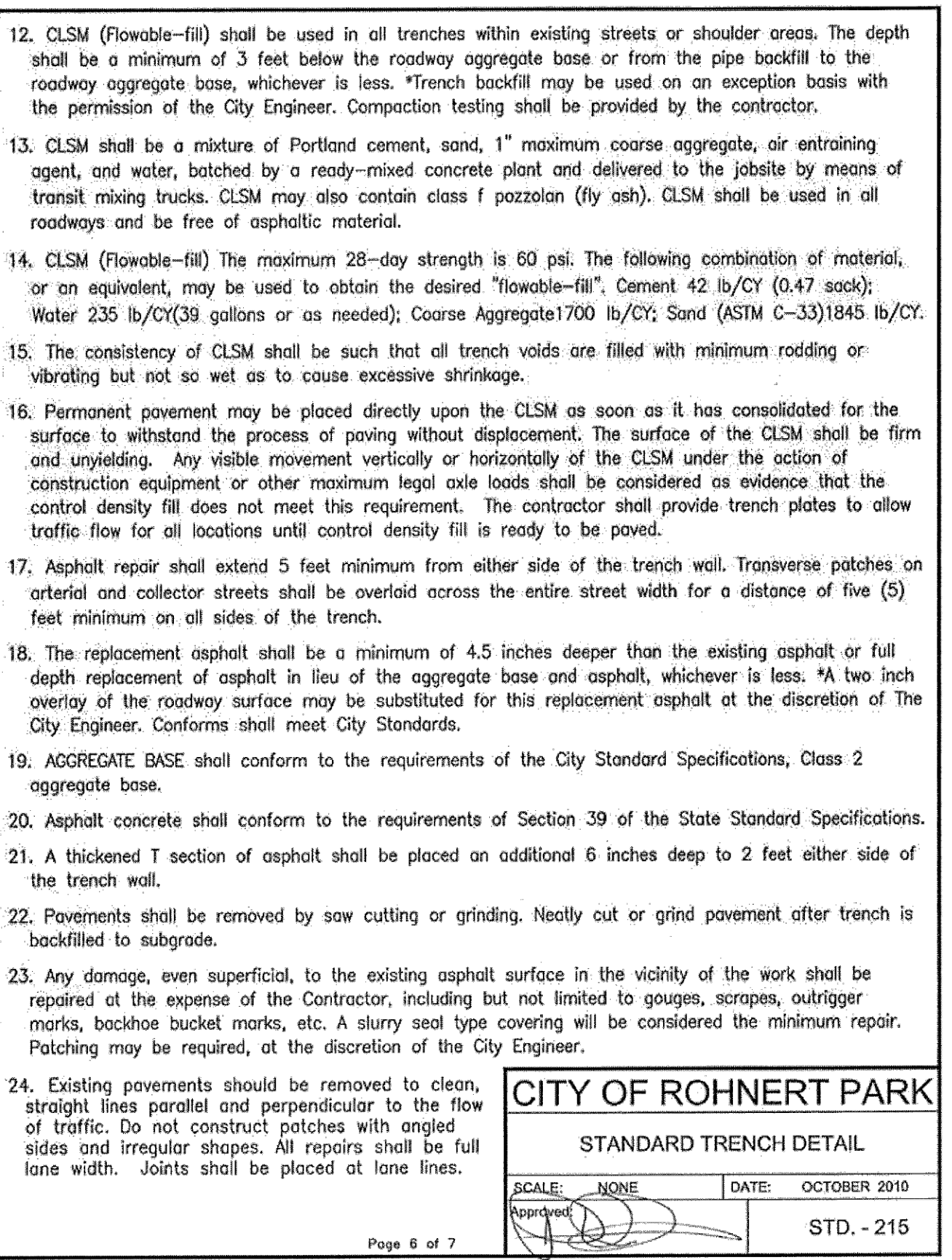
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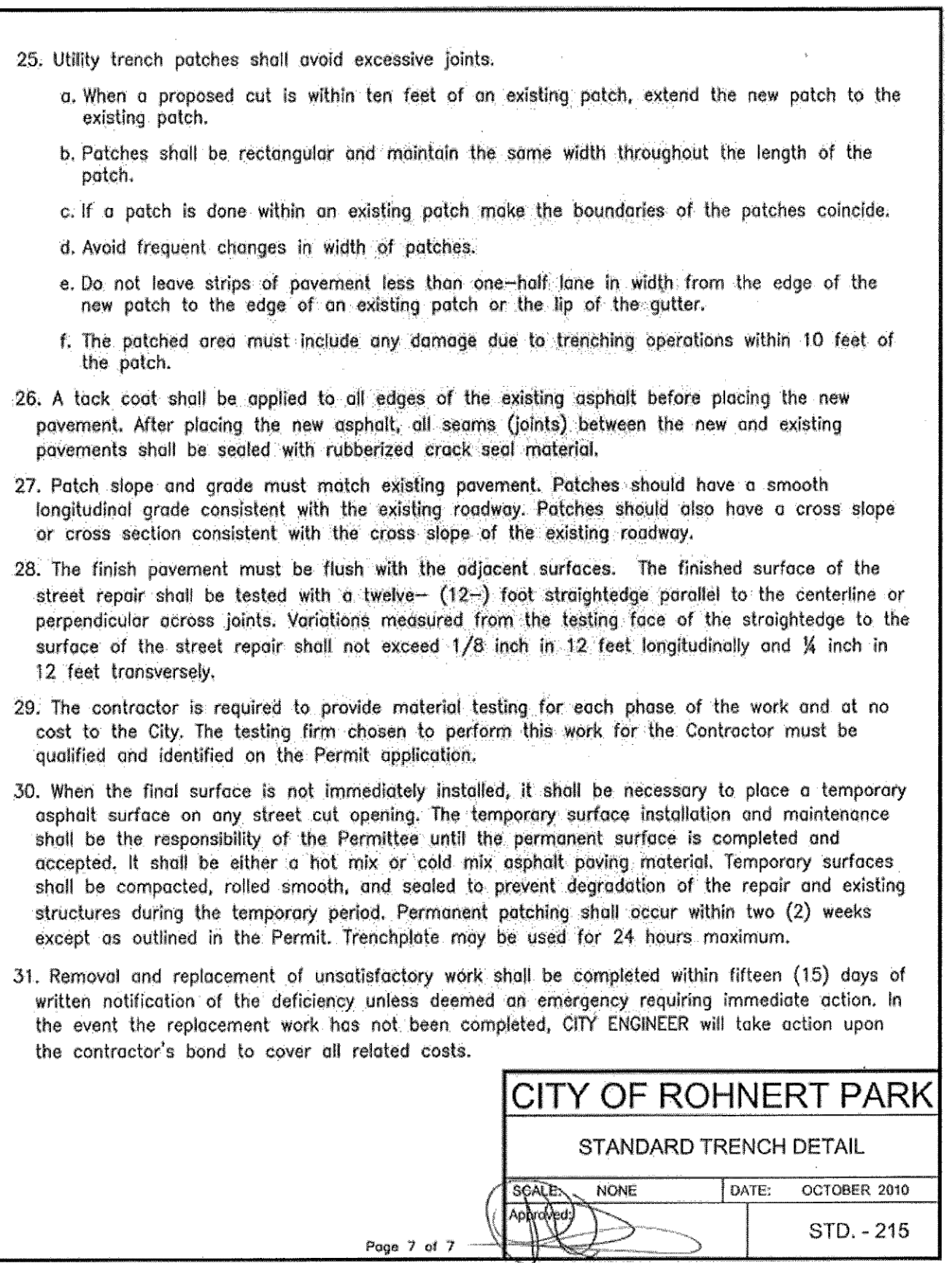
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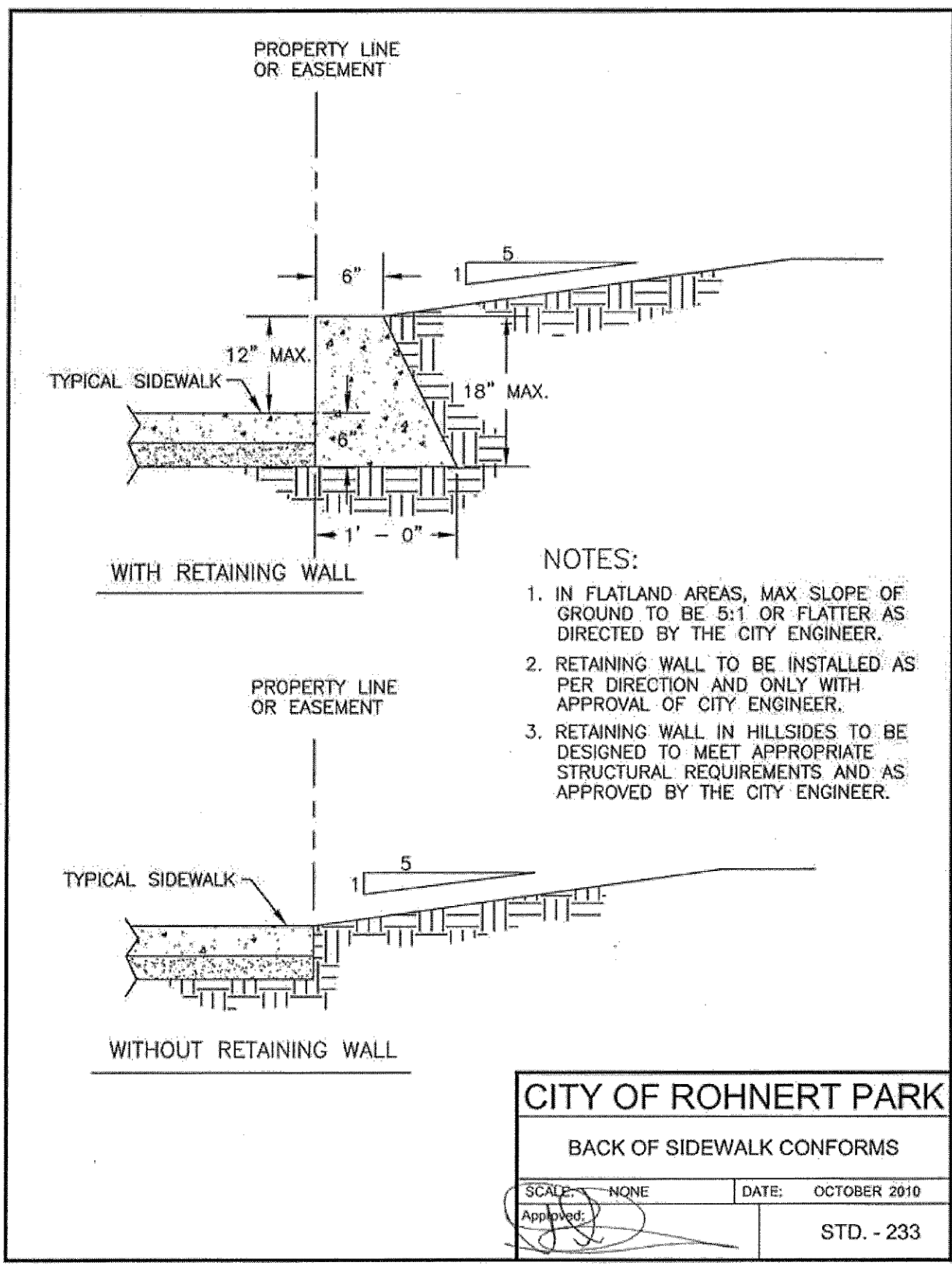


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 DATE: 02/15/2024
VANESSA MARIN GARRETT R.C.E. 84141
 CITY ENGINEER, CITY OF ROHNERT PARK
 LICENSE EXPIRES SEPTEMBER 25, 2025

SOUTHWEST BOULEVARD COMPLETE STREETS
COMMERCE BOULEVARD-ADRIAN DRIVE
 PROJECT # 2020-23
CONSTRUCTION DETAILS

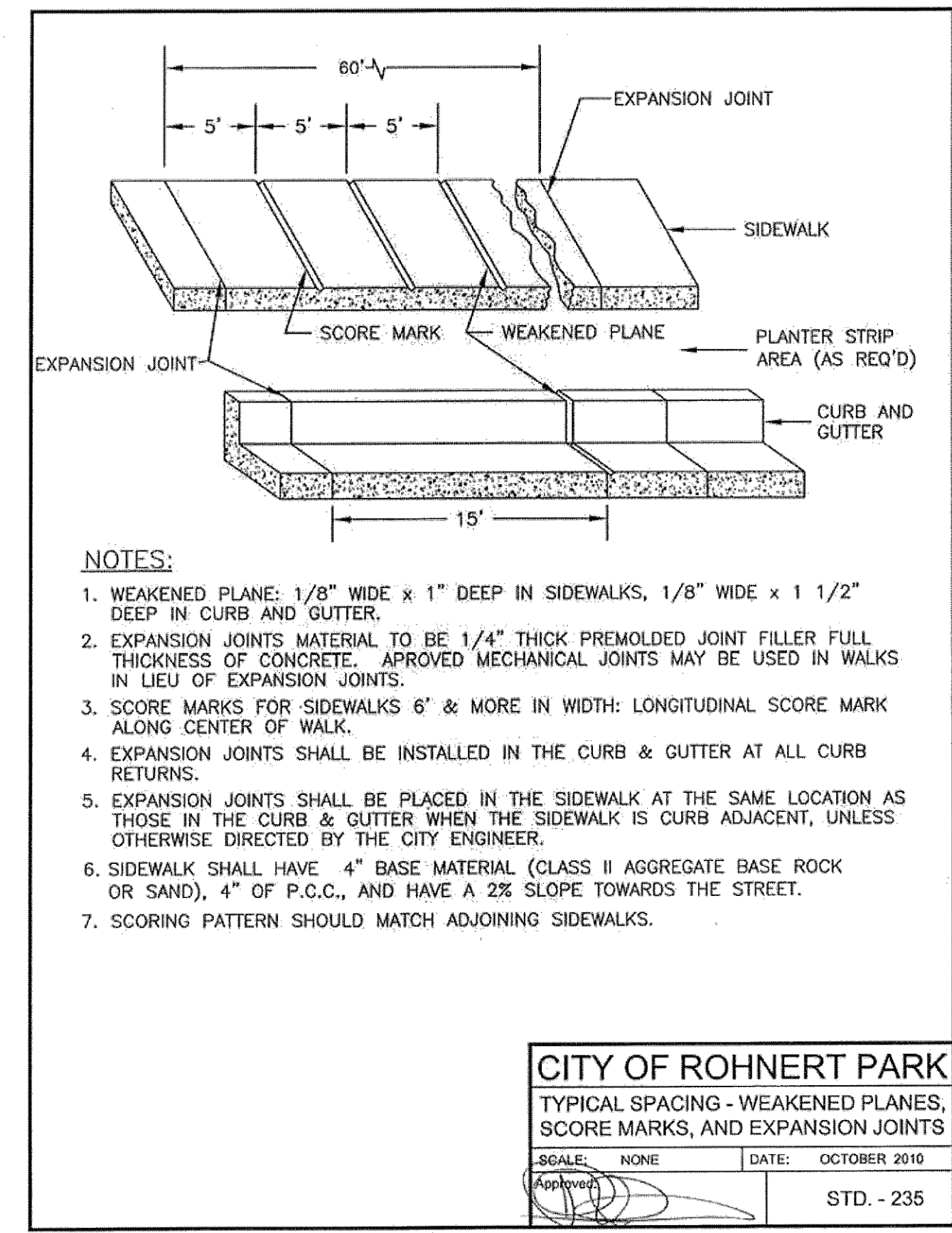
DESIGNED BY: NR
 DRAWN BY: CAG
 CHECKED BY: VM
 DATE: FEBRUARY 2024
 PROJECT: 20211837-10
 DWG NO: CO.3
 SHEET
4 OF 40
 SHEETS

IBKF-SR/VO/4/2021/1211837_CITY OF ROHNERT PARK MSA-10_SOUTHWEST BLVD/DWG211837_IMPR



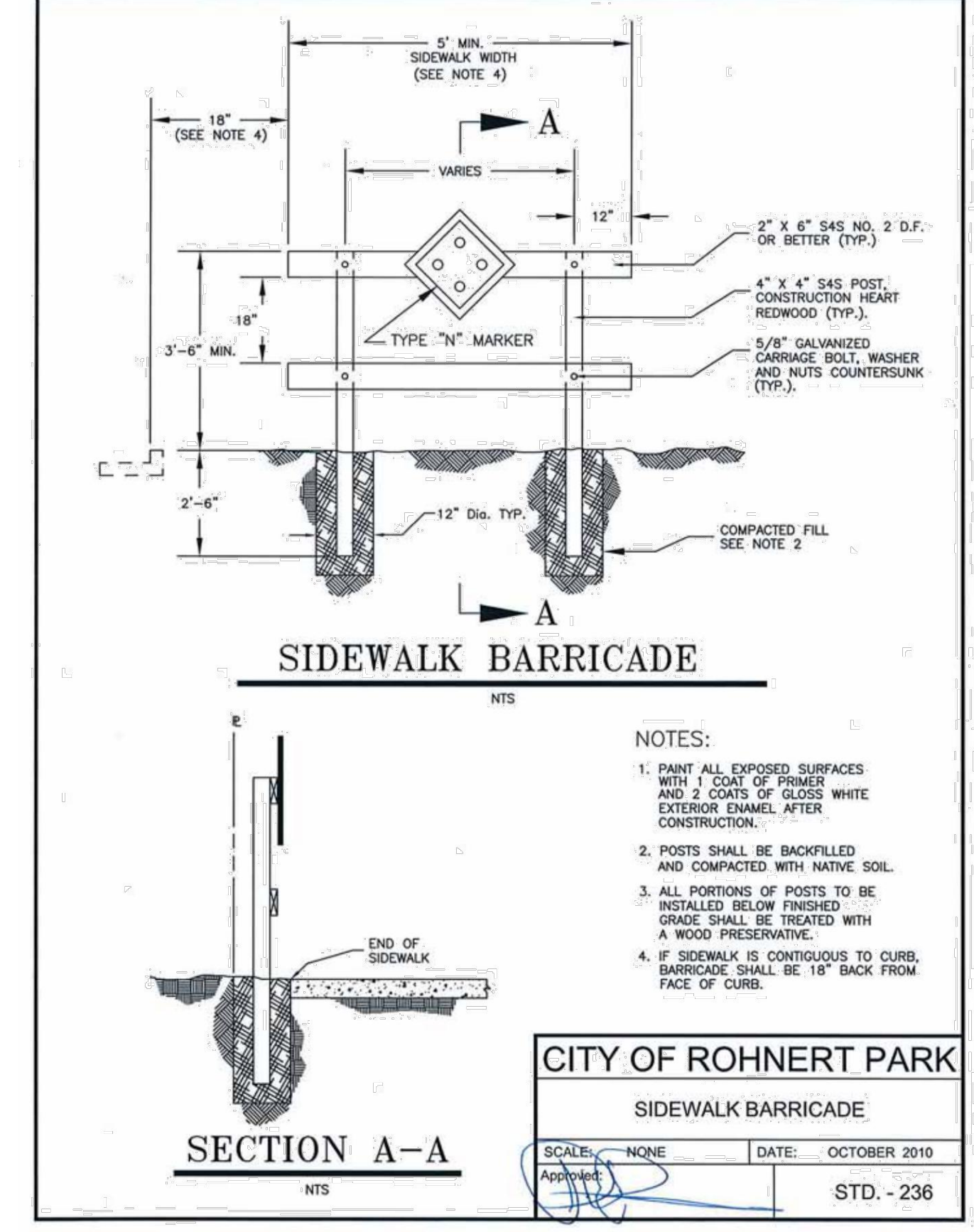
- NOTES:**
1. IN FLATLAND AREAS, MAX SLOPE OF GROUND TO BE 5:1 OR FLATTER AS DIRECTED BY THE CITY ENGINEER.
 2. RETAINING WALL TO BE INSTALLED AS PER DIRECTION AND ONLY WITH APPROVAL OF CITY ENGINEER.
 3. RETAINING WALL IN HILLSIDES TO BE DESIGNED TO MEET APPROPRIATE STRUCTURAL REQUIREMENTS AND AS APPROVED BY THE CITY ENGINEER.

CITY OF ROHNERT PARK
 BACK OF SIDEWALK CONFORMS
 SCALE: NONE DATE: OCTOBER 2010
 Approved: [Signature] STD. - 233



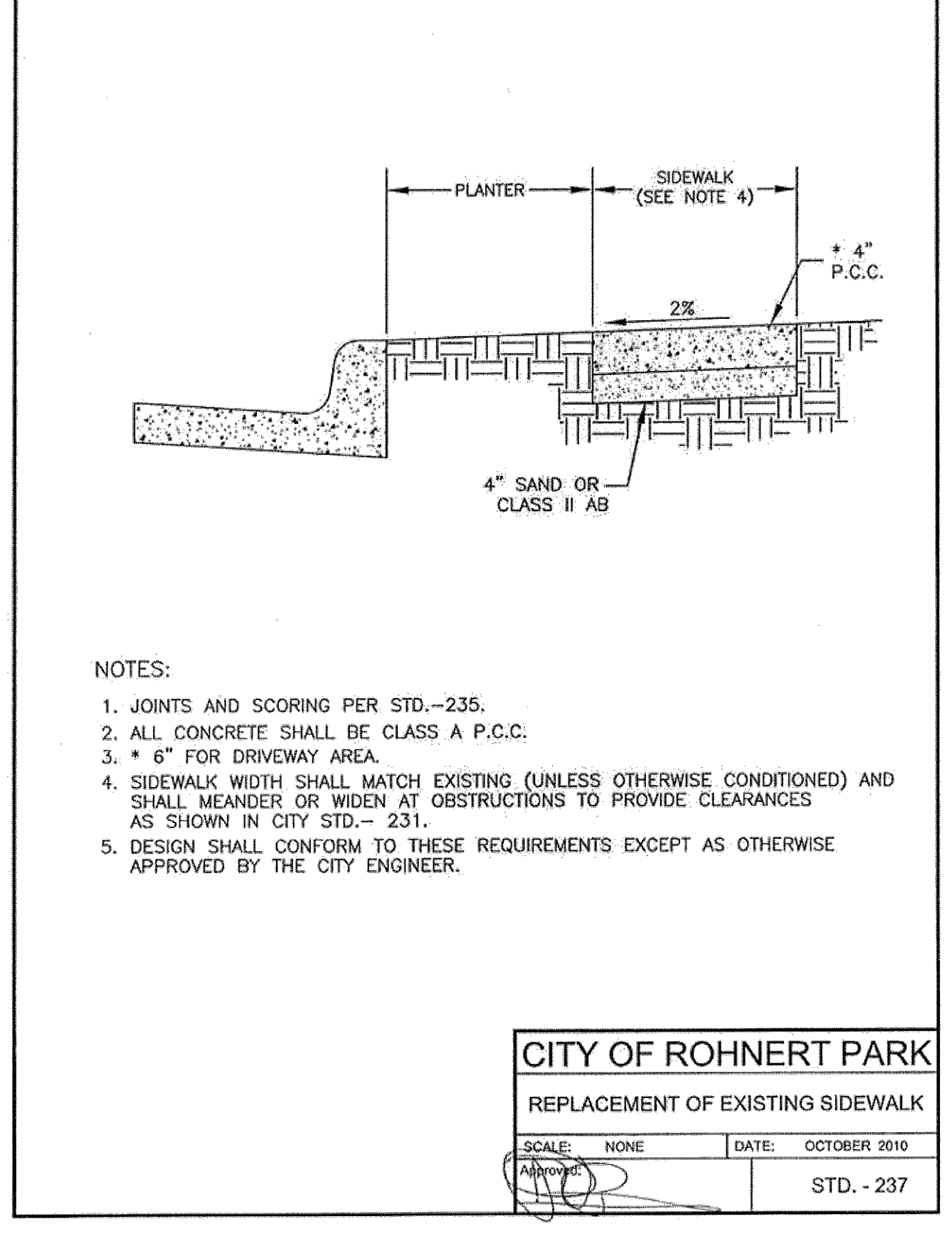
- NOTES:**
1. WEAKENED PLANE: 1/8" WIDE x 1" DEEP IN SIDEWALKS, 1/8" WIDE x 1 1/2" DEEP IN CURB AND GUTTER.
 2. EXPANSION JOINTS MATERIAL TO BE 1/4" THICK PREMOLDED JOINT FILLER FULL THICKNESS OF CONCRETE. APPROVED MECHANICAL JOINTS MAY BE USED IN WALKS IN LIEU OF EXPANSION JOINTS.
 3. SCORE MARKS FOR SIDEWALKS 6' & MORE IN WIDTH: LONGITUDINAL SCORE MARK ALONG CENTER OF WALK.
 4. EXPANSION JOINTS SHALL BE INSTALLED IN THE CURB & GUTTER AT ALL CURB RETURNS.
 5. EXPANSION JOINTS SHALL BE PLACED IN THE SIDEWALK AT THE SAME LOCATION AS THOSE IN THE CURB & GUTTER WHEN THE SIDEWALK IS CURB ADJACENT, UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.
 6. SIDEWALK SHALL HAVE 4" BASE MATERIAL (CLASS II AGGREGATE BASE ROCK OR SAND), 4" OF P.C.C., AND HAVE A 2% SLOPE TOWARDS THE STREET.
 7. SCORING PATTERN SHOULD MATCH ADJOINING SIDEWALKS.

CITY OF ROHNERT PARK
 TYPICAL SPACING - WEAKENED PLANES, SCORE MARKS, AND EXPANSION JOINTS
 SCALE: NONE DATE: OCTOBER 2010
 Approved: [Signature] STD. - 235



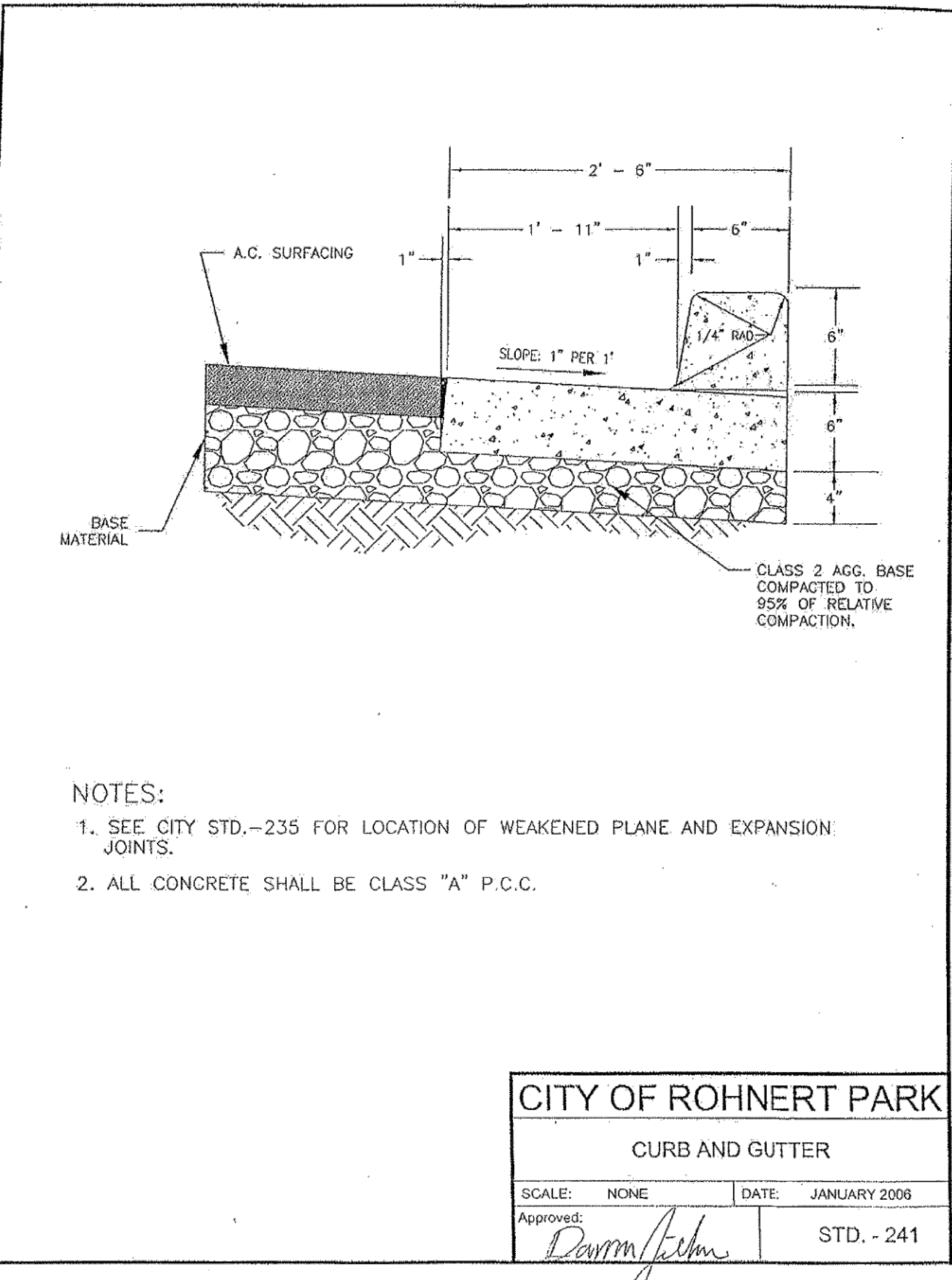
- NOTES:**
1. PAINT ALL EXPOSED SURFACES WITH 1 COAT OF PRIMER AND 2 COATS OF GLOSS WHITE EXTERIOR ENAMEL AFTER CONSTRUCTION.
 2. POSTS SHALL BE BACKFILLED AND COMPACTED WITH NATIVE SOIL.
 3. ALL PORTIONS OF POSTS TO BE INSTALLED BELOW FINISHED GRADE SHALL BE TREATED WITH A WOOD PRESERVATIVE.
 4. IF SIDEWALK IS CONTIGUOUS TO CURB, BARRICADE SHALL BE 18" BACK FROM FACE OF CURB.

CITY OF ROHNERT PARK
 SIDEWALK BARRICADE
 SCALE: NONE DATE: OCTOBER 2010
 Approved: [Signature] STD. - 236



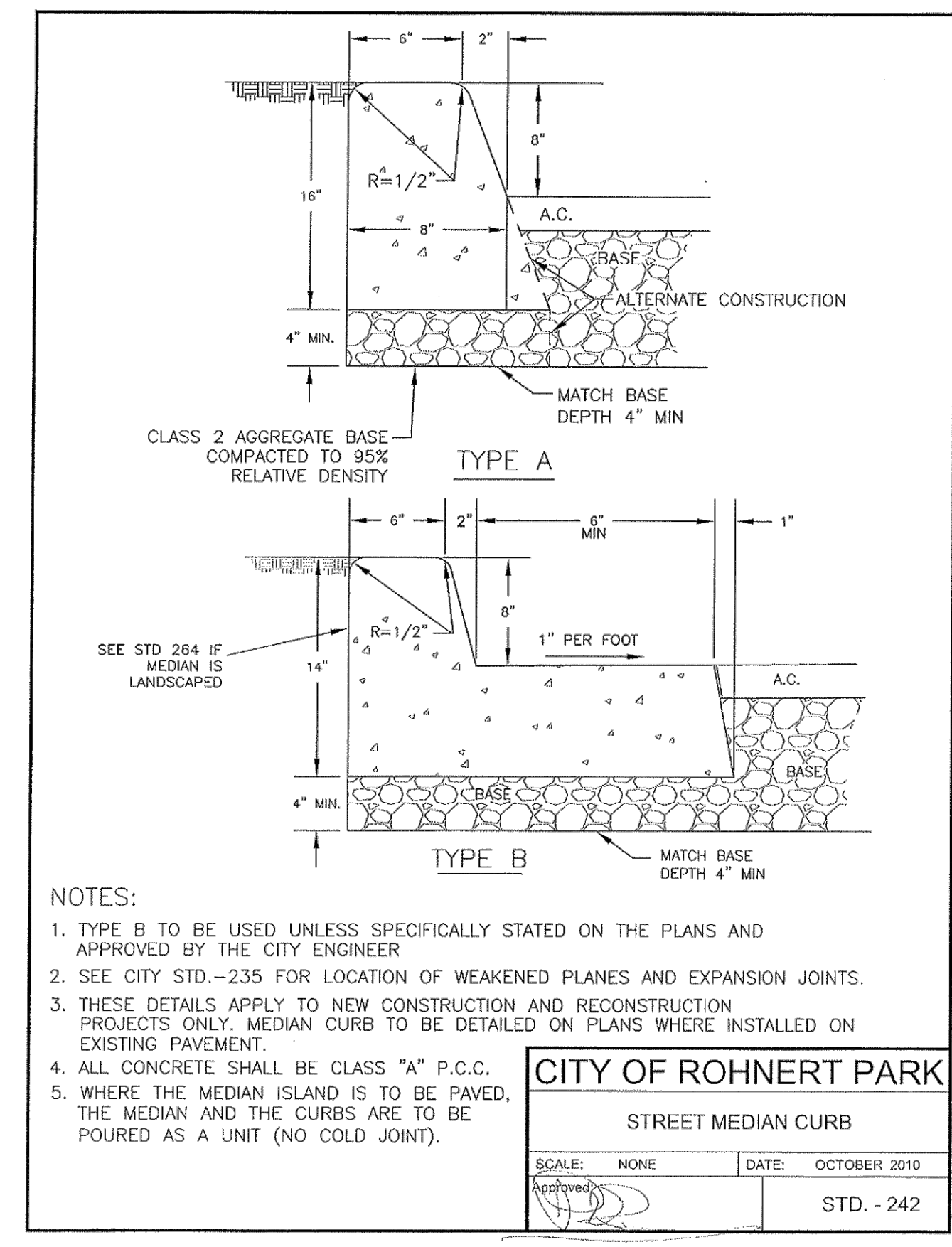
- NOTES:**
1. JOINTS AND SCORING PER STD.-235.
 2. ALL CONCRETE SHALL BE CLASS A P.C.C.
 3. * 6" FOR DRIVEWAY AREA.
 4. SIDEWALK WIDTH SHALL MATCH EXISTING (UNLESS OTHERWISE CONDITIONED) AND SHALL MEANDER OR WIDEN AT OBSTRUCTIONS TO PROVIDE CLEARANCES AS SHOWN IN CITY STD.- 231.
 5. DESIGN SHALL CONFORM TO THESE REQUIREMENTS EXCEPT AS OTHERWISE APPROVED BY THE CITY ENGINEER.

CITY OF ROHNERT PARK
 REPLACEMENT OF EXISTING SIDEWALK
 SCALE: NONE DATE: OCTOBER 2010
 Approved: [Signature] STD. - 237



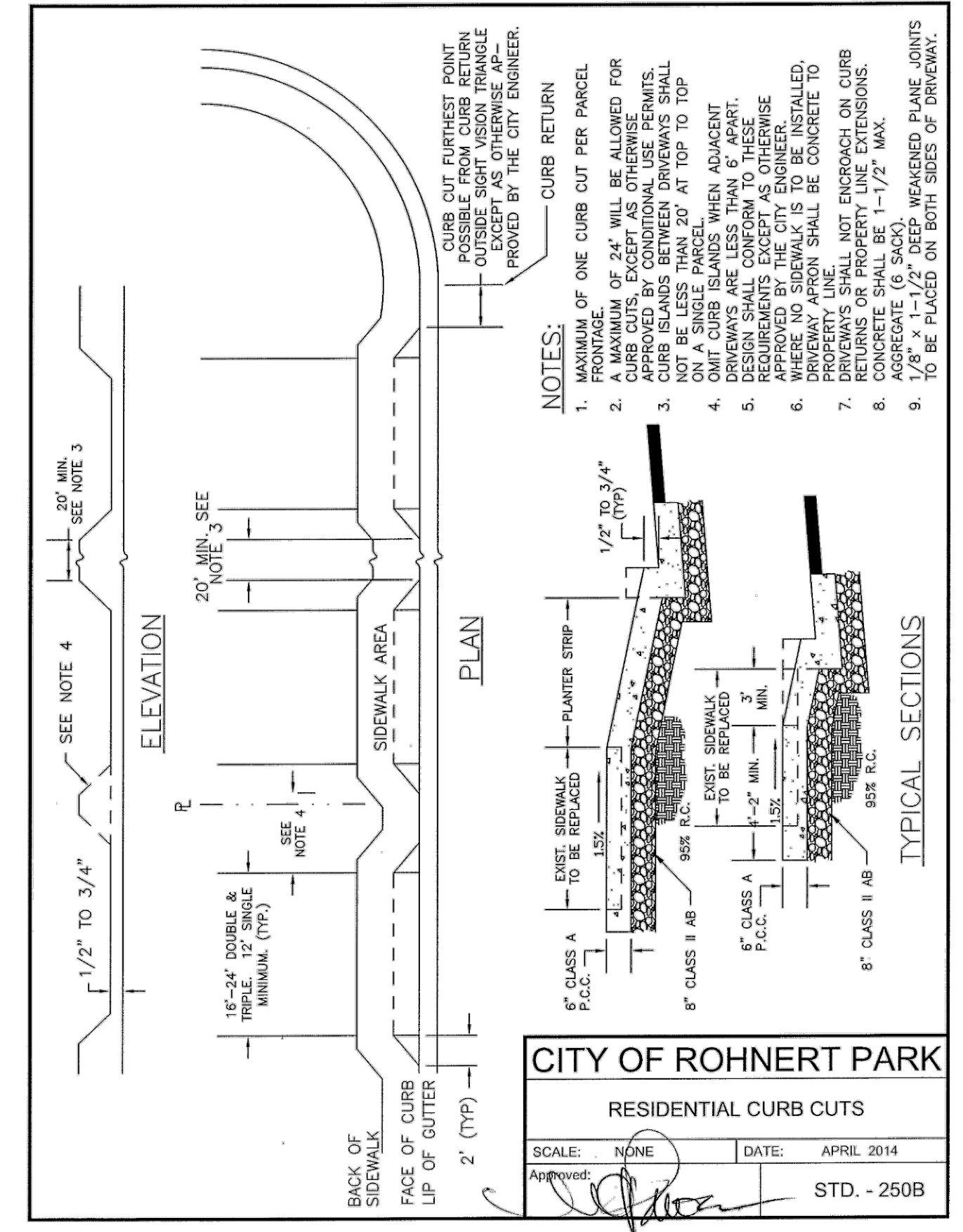
- NOTES:**
1. SEE CITY STD.-235 FOR LOCATION OF WEAKENED PLANE AND EXPANSION JOINTS.
 2. ALL CONCRETE SHALL BE CLASS "A" P.C.C.

CITY OF ROHNERT PARK
 CURB AND GUTTER
 SCALE: NONE DATE: JANUARY 2008
 Approved: [Signature] STD. - 241



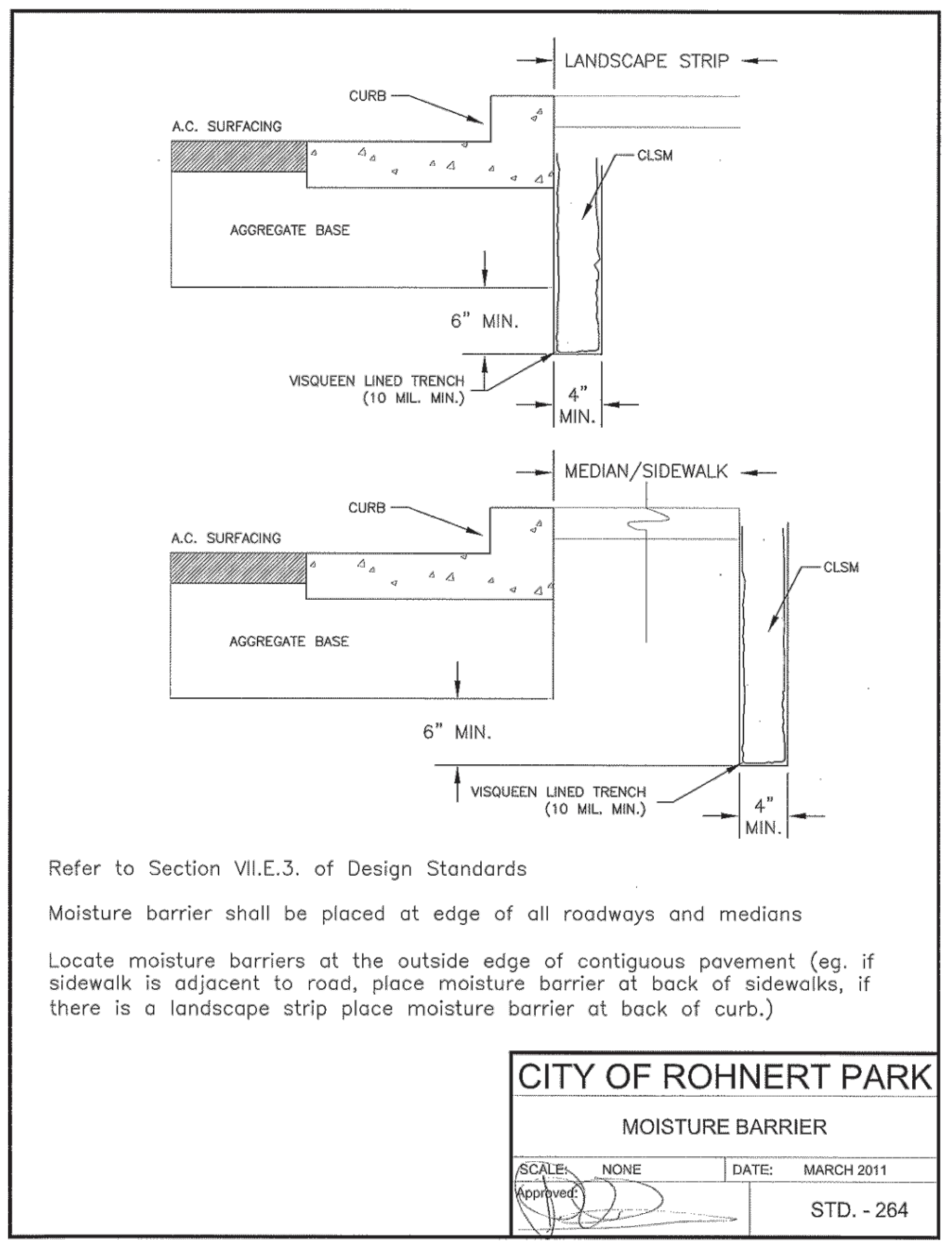
- NOTES:**
1. TYPE B TO BE USED UNLESS SPECIFICALLY STATED ON THE PLANS AND APPROVED BY THE CITY ENGINEER.
 2. SEE CITY STD.-235 FOR LOCATION OF WEAKENED PLANES AND EXPANSION JOINTS.
 3. THESE DETAILS APPLY TO NEW CONSTRUCTION AND RECONSTRUCTION PROJECTS ONLY. MEDIAN CURB TO BE DETAILED ON PLANS WHERE INSTALLED ON EXISTING PAVEMENT.
 4. ALL CONCRETE SHALL BE CLASS "A" P.C.C.
 5. WHERE THE MEDIAN ISLAND IS TO BE PAVED, THE MEDIAN AND THE CURBS ARE TO BE POURED AS A UNIT (NO COLD JOINT).

CITY OF ROHNERT PARK
 STREET MEDIAN CURB
 SCALE: NONE DATE: OCTOBER 2010
 Approved: [Signature] STD. - 242



- NOTES:**
1. MAXIMUM OF ONE CURB CUT PER PARCEL FRONTAGE.
 2. A MAXIMUM OF 24" WILL BE ALLOWED FOR CURB CUTS BETWEEN DRIVEWAYS SHALL BE APPROVED BY CONDITIONAL USE PERMITS.
 3. CURB ISLANDS BETWEEN DRIVEWAYS SHALL BE 10' MINIMUM WIDE AT TOP TO TOP ON A SINGLE PARCEL.
 4. OMIT CURB ISLANDS WHEN ADJACENT DRIVEWAYS ARE LESS THAN 5' APART.
 5. DESIGN SHALL BE AS OTHERWISE APPROVED BY THE CITY ENGINEER.
 6. DRIVEWAY APRON SHALL BE CONCRETE TO PROPERTY LINE.
 7. RETURNS OR PROPERTY LINE EXTENSIONS, CONCRETE SHALL BE 1-1/2" MAX.
 8. AGGREGATE TO BACK OF WEAKENED PLANE JOINTS TO BE PLACED ON BOTH SIDES OF DRIVEWAY.

CITY OF ROHNERT PARK
 RESIDENTIAL CURB CUTS
 SCALE: NONE DATE: APRIL 2014
 Approved: [Signature] STD. - 250B



Refer to Section VII.E.3. of Design Standards
 Moisture barrier shall be placed at edge of all roadways and medians
 Locate moisture barriers at the outside edge of contiguous pavement (eg. if sidewalk is adjacent to road, place moisture barrier at back of sidewalks, if there is a landscape strip place moisture barrier at back of curb.)

CITY OF ROHNERT PARK
 MOISTURE BARRIER
 SCALE: NONE DATE: MARCH 2011
 Approved: [Signature] STD. - 264

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



REV. NO.	DATE	DESCRIPTION	BY

BKF ENGINEERS
 200 4th STREET
 SUITE 300
 SANTA ROSA, CA 95401
 (707) 583-8500
 www.bkf.com

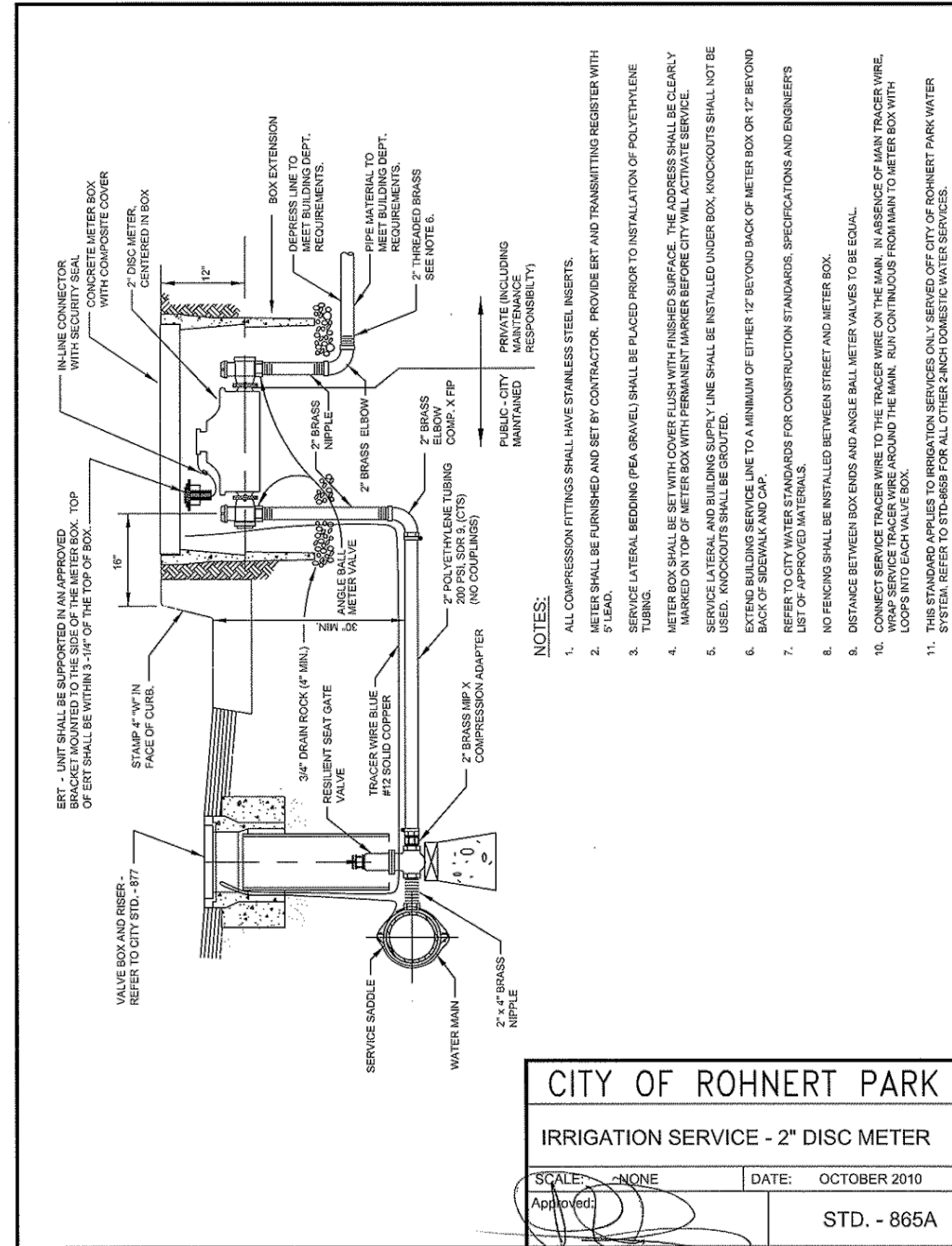
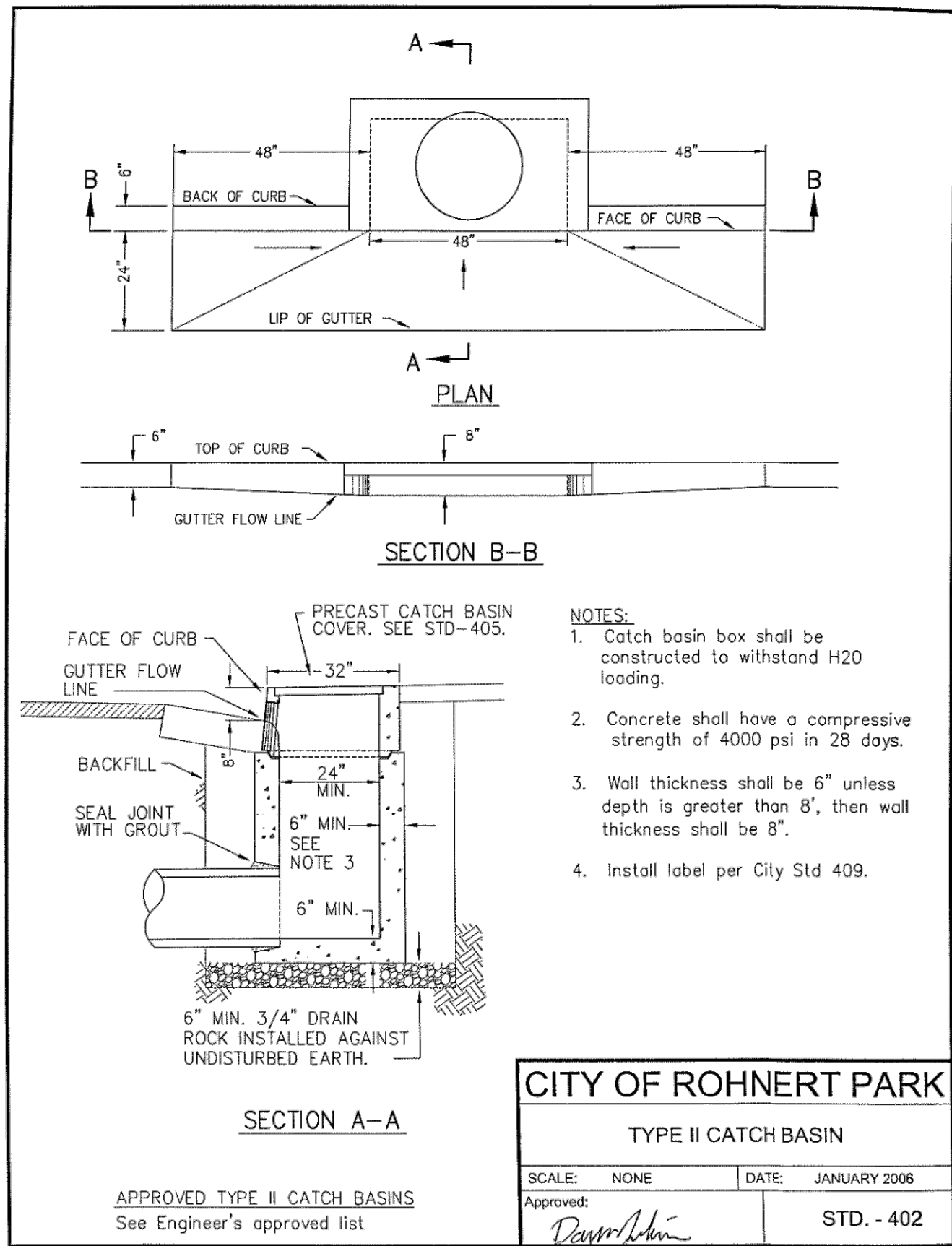


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 CITY ENGINEER, CITY OF ROHNERT PARK
 LICENSE EXPIRES SEPTEMBER 25, 2025

**SOUTHWEST BOULEVARD COMPLETE STREETS
 COMMERCE BOULEVARD-ADRIAN DRIVE
 PROJECT # 2020-23**

CONSTRUCTION DETAILS

DESIGNED BY: NR
 DRAWN BY: CAG
 CHECKED BY: VM
 DATE: FEBRUARY 2024
 PROJECT: 20211837-10
 DWG NO: CO.4
 SHEET
5 OF 40
 SHEETS



CITY OF ROHNERT PARK
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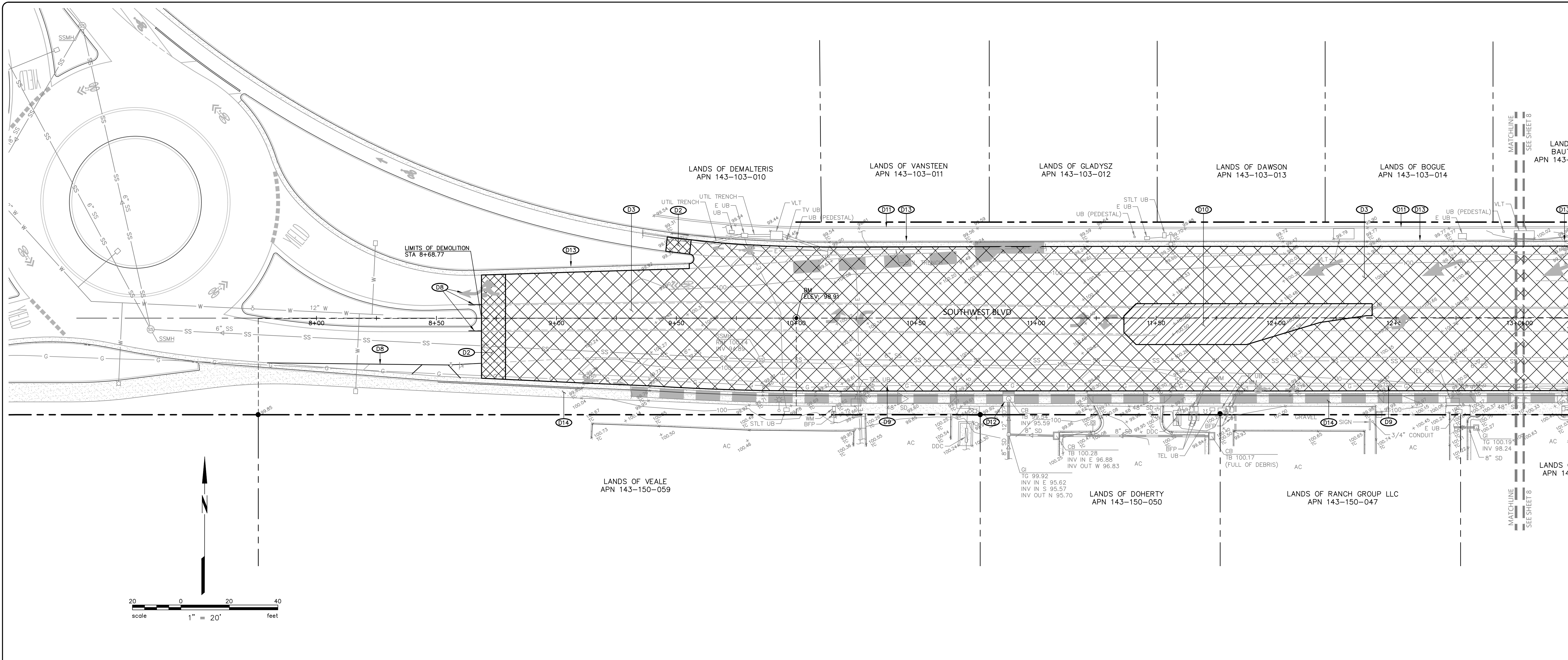


APPROVED:
Vanessa Marin Garrett
 DATE: 02/15/2024
VANESSA MARIN GARRETT R.C.E. 84141
 CITY ENGINEER, CITY OF ROHNERT PARK
 LICENSE EXPIRES SEPTEMBER 25, 2025

**SOUTHWEST BOULEVARD COMPLETE STREETS
 COMMERCE BOULEVARD-ADRIAN DRIVE**
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CONSTRUCTION DETAILS

DESIGNED BY: NR
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 PROJECT: 20211837-10
 DWG NO: C0.4
 SHEET
6 OF 40
 SHEETS

\\BKF-SRV\04\2024\12\11837_CITY OF ROHNERT PARK MSA-10_SOUTHWEST BLVD\DWG\211837_IMPR



- KEYNOTES:**
- (D2) EDGE GRIND EXISTING ASPHALT CONCRETE IN ACCORDANCE WITH CITY STANDARD 208.
 - (D3) GRIND EXISTING ASPHALT CONCRETE AND REMOVE EXISTING AGGREGATE BASE AS REQUIRED TO FACILITATE A 5-INCH ASPHALT CONCRETE OVERLAY IN ACCORDANCE WITH THE GEOTECHNICAL RECOMMENDATIONS. SEE DETAIL 2, SHEET 3.
 - (D8) SANDBLAST OR GRIND TO PERMANENTLY REMOVE EXISTING STRIPING AS REQUIRED TO FACILITATE THE PROPOSED IMPROVEMENTS.
 - (D9) EXISTING GAS LINE TO REMAIN, PROTECT IN PLACE. CONTRACTOR IS RESPONSIBLE FOR CONTACTING P&E TO LOCATE EXISTING UTILITY LINES PRIOR TO START OF WORK AND FOR ON-SITE INSPECTION ANY TIME WORK IS BEING PERFORMED WITHIN 5- FEET OF A HIGH PRESSURE GAS LINE.
 - (D10) SAWCUT EXISTING ASPHALT CONCRETE SECTION AND REMOVE TO THE SUB BASE AS REQUIRED TO FACILITATE THE PROPOSED IMPROVEMENTS AND DISPOSE OF MATERIAL IN ACCORDANCE WITH LOCAL REGULATIONS.
 - (D11) EXISTING SOUND WALL TO REMAIN, PROTECT IN PLACE. SEE TECHNICAL SPECIFICATIONS 12.22.
 - (D12) EXISTING CATCH BASIN TO REMAIN, PROTECT IN PLACE.
 - (D13) EXISTING CURB AND GUTTER TO REMAIN, PROTECT IN PLACE.
 - (D14) EXISTING CURB, GUTTER AND SIDEWALK TO REMAIN, PROTECT IN PLACE.

CITY OF ROHNERT PARK
 130 AVRAM AVENUE
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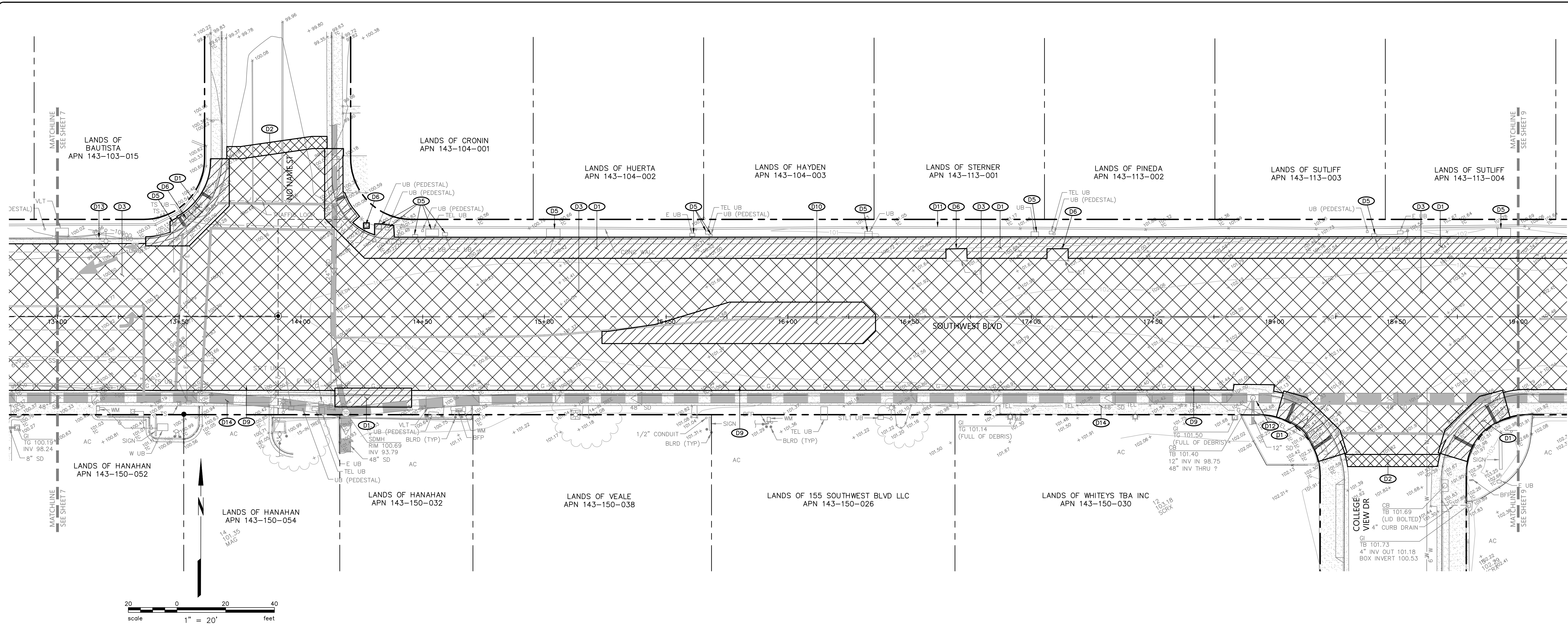
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 CITY ENGINEER, CITY OF ROHNERT PARK
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**SOUTHWEST BOULEVARD COMPLETE STREETS
 COMMERCE BOULEVARD-ADRIAN DRIVE
 PROJECT # 2020-23**

DEMOLITION PLAN

DESIGNED BY: NR
 DRAWN BY: CAG
 CHECKED BY: VM
 DATE: FEBRUARY 2024
 PROJECT: 20211837-10
 DWG NO: C1.0
 SHEET
7 OF 40
 SHEETS

\\BKF-SRV\04\2024\12\11837_CITY OF ROHNERT PARK MSA-10_SOUTHWEST BLVD\DWG\211837_IMPR



- KEYNOTES:**
- D1 SAWCUT AND REMOVE EXISTING MATERIAL (TO THE NEAREST CONTROL JOINT WHERE APPLICABLE) AS REQUIRED TO FACILITATE THE PROPOSED IMPROVEMENTS AND DISPOSE OF MATERIAL IN ACCORDANCE WITH LOCAL REGULATIONS.
 - D2 EDGE GRIND EXISTING ASPHALT CONCRETE IN ACCORDANCE WITH CITY STANDARD 208.
 - D3 GRIND EXISTING ASPHALT CONCRETE AND REMOVE EXISTING AGGREGATE BASE AS REQUIRED TO FACILITATE A 5-INCH ASPHALT CONCRETE OVERLAY IN ACCORDANCE WITH THE GEOTECHNICAL RECOMMENDATIONS. SEE DETAIL 2, SHEET 3.
 - D6 COORDINATE WITH THE OWNER OF THIS UTILITY TO RELOCATE EXISTING UTILITY AS REQUIRED TO FACILITATE THE PROPOSED IMPROVEMENTS.
 - D9 EXISTING GAS LINE TO REMAIN, PROTECT IN PLACE. CONTRACTOR IS RESPONSIBLE FOR CONTACTING PG&E TO LOCATE EXISTING UTILITY LINES PRIOR TO START OF WORK AND FOR ON-SITE INSPECTION ANY TIME WORK IS BEING PERFORMED WITHIN 5- FEET OF A HIGH PRESSURE GAS LINE.
 - D10 SAWCUT EXISTING ASPHALT CONCRETE SECTION AND REMOVE TO THE SUB BASE AS REQUIRED TO FACILITATE THE PROPOSED IMPROVEMENTS AND DISPOSE OF MATERIAL IN ACCORDANCE WITH LOCAL REGULATIONS.
 - D11 EXISTING SOUND WALL TO REMAIN, PROTECT IN PLACE. SEE TECHNICAL SPECIFICATIONS 12.22.
 - D12 EXISTING CATCH BASIN TO REMAIN, PROTECT IN PLACE.
 - D13 EXISTING CURB AND GUTTER TO REMAIN, PROTECT IN PLACE.
 - D14 EXISTING CURB, GUTTER AND SIDEWALK TO REMAIN, PROTECT IN PLACE.

CITY OF ROHNERT PARK
 130 AVRAM AVENUE
 ROHNERT PARK, CALIFORNIA 94928
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 SANTA ROSA, CA 95401
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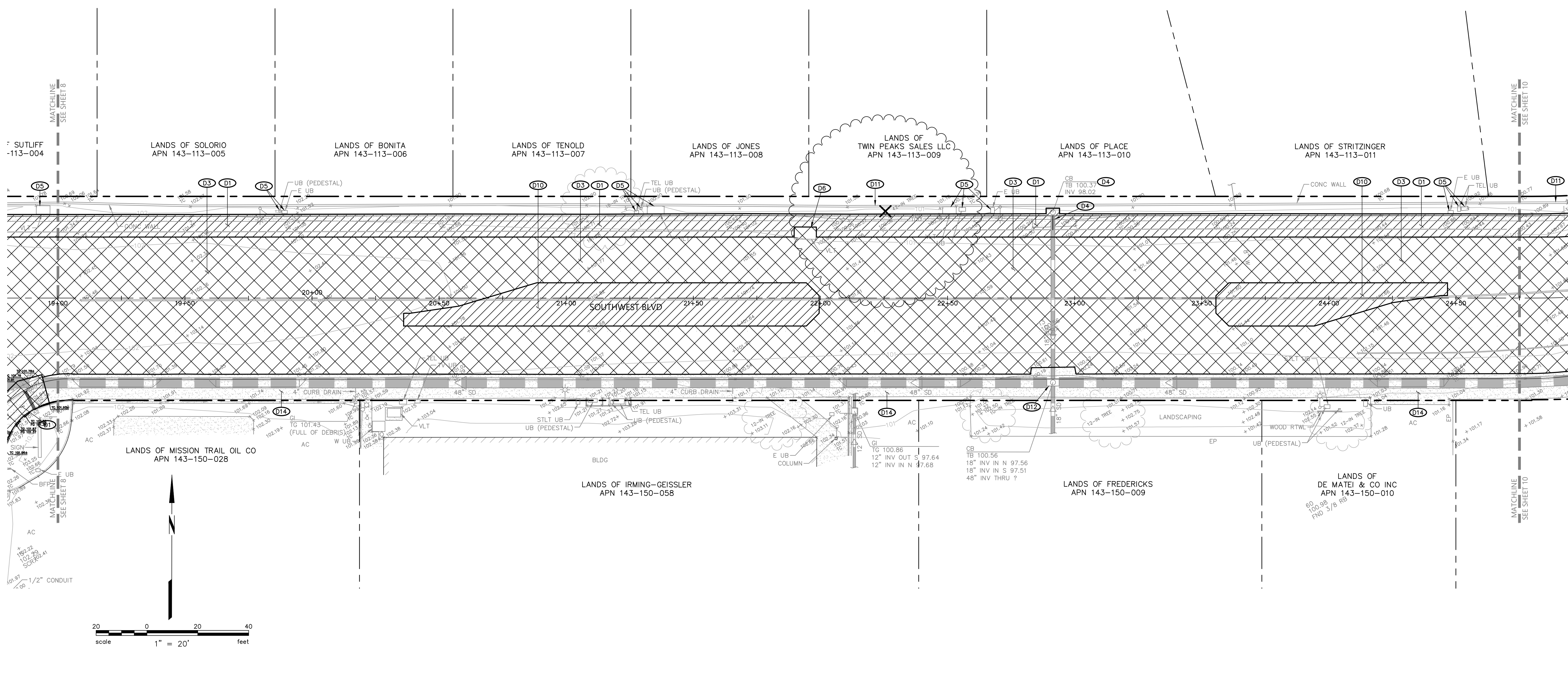
APPROVED:
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 CITY ENGINEER, CITY OF ROHNERT PARK
 LICENSE EXPIRES SEPTEMBER 25, 2025

**SOUTHWEST BOULEVARD COMPLETE STREETS
 COMMERCE BOULEVARD-ADRIAN DRIVE
 PROJECT # 2020-23**

DEMOLITION PLAN

DESIGNED BY: NR
 DRAWN BY: CAG
 CHECKED BY: VM
 DATE: FEBRUARY 2024
 PROJECT: 20211837-10
 DWG NO: C1.1
 SHEET
8 OF 40
 SHEETS

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CITY OF ROHNERT PARK
 130 AVRAM AVENUE
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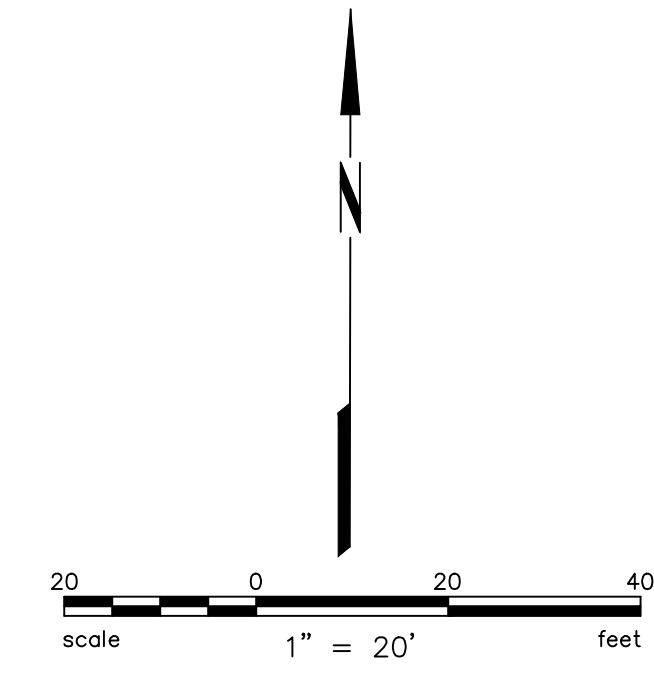
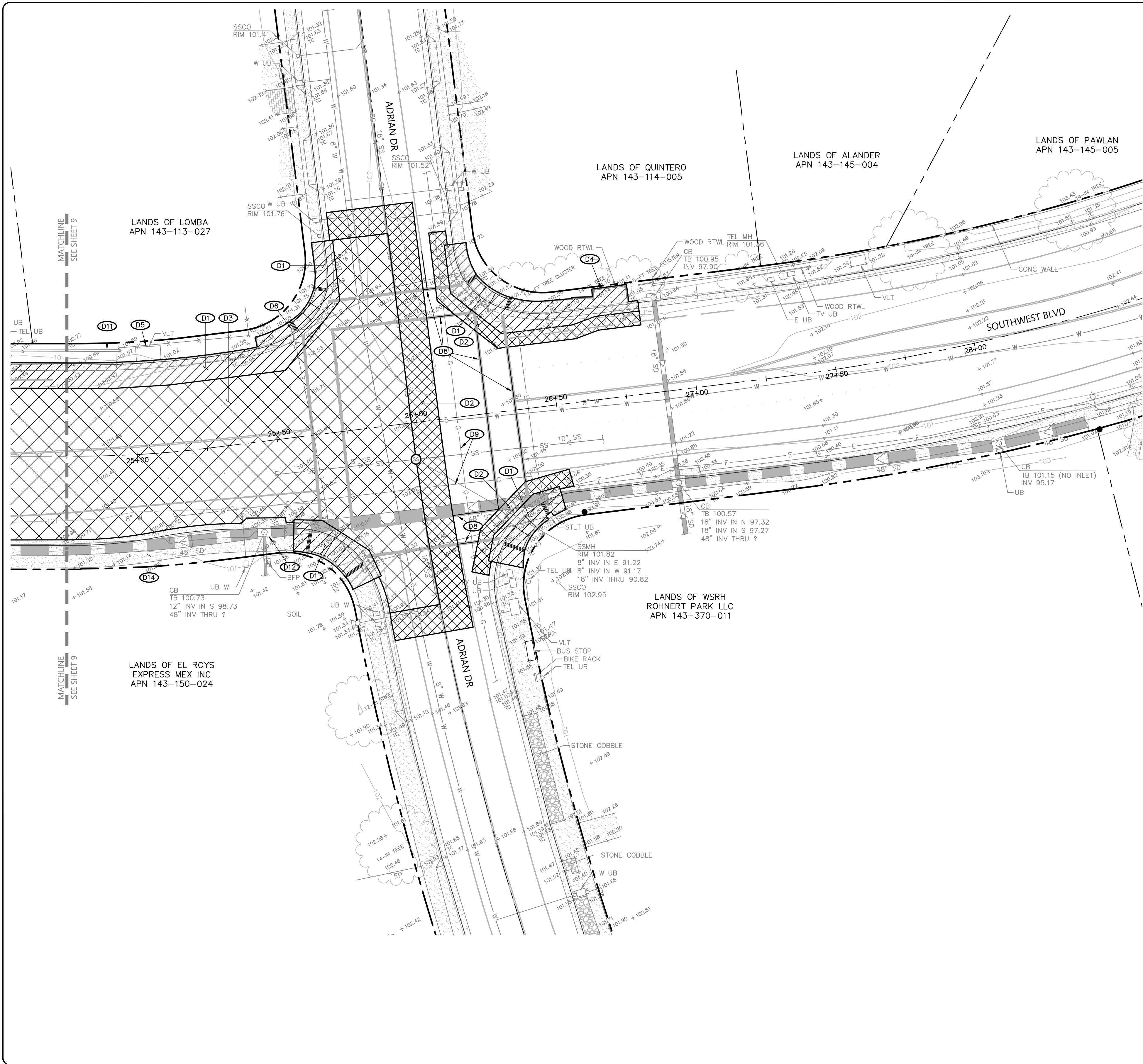
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**SOUTHWEST BOULEVARD COMPLETE STREETS
 COMMERCE BOULEVARD-ADRIAN DRIVE
 PROJECT # 2020-23**

DEMOLITION PLAN

DESIGNED BY: NR
 DRAWN BY: CAG
 CHECKED BY: VM
 DATE: FEBRUARY 2024
 PROJECT: 20211837-10
 DWG NO: C1.2
 SHEET
9 OF 40
 SHEETS

\\BKF-SR\VO\2021\211837_CITY OF ROHNERT PARK\MSA-10_SOUTHWEST BLVD\DWG\211837_IMPR



- KEYNOTES:**
- (D1) SAWCUT AND REMOVE EXISTING MATERIAL (TO THE NEAREST CONTROL JOINT WHERE APPLICABLE) AS REQUIRED TO FACILITATE THE PROPOSED IMPROVEMENTS AND DISPOSE OF MATERIAL IN ACCORDANCE WITH LOCAL REGULATIONS.
 - (D2) EDGE GRIND EXISTING ASPHALT CONCRETE IN ACCORDANCE WITH CITY STANDARD 208.
 - (D3) GRIND EXISTING ASPHALT CONCRETE AND REMOVE EXISTING AGGREGATE BASE AS REQUIRED TO FACILITATE A 5-INCH ASPHALT CONCRETE OVERLAY IN ACCORDANCE WITH THE GEOTECHNICAL RECOMMENDATIONS. SEE DETAIL 2, SHEET 3.
 - (D4) REMOVE EXISTING FEATURE AS REQUIRED TO FACILITATE THE PROPOSED IMPROVEMENTS AND DISPOSE OF IN ACCORDANCE WITH LOCAL REGULATIONS.
 - (D8) SANDBLAST OR GRIND TO PERMANENTLY REMOVE EXISTING STRIPING AS REQUIRED TO FACILITATE THE PROPOSED IMPROVEMENTS.
 - (D9) EXISTING GAS LINE TO REMAIN, PROTECT IN PLACE. CONTRACTOR IS RESPONSIBLE FOR CONTACTING P&E TO LOCATE EXISTING UTILITY LINES PRIOR TO START OF WORK AND FOR ON-SITE INSPECTION ANY TIME WORK IS BEING PERFORMED WITHIN 5- FEET OF A HIGH PRESSURE GAS LINE.
 - (D11) EXISTING SOUND WALL TO REMAIN, PROTECT IN PLACE. SEE TECHNICAL SPECIFICATIONS 12.22.
 - (D12) EXISTING CATCH BASIN TO REMAIN, PROTECT IN PLACE.
 - (D14) EXISTING CURB, GUTTER AND SIDEWALK TO REMAIN, PROTECT IN PLACE.

CITY OF ROHNERT PARK

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



REV. NO.	DATE	DESCRIPTION	BY

BKF BKF ENGINEERS
 200 4th STREET
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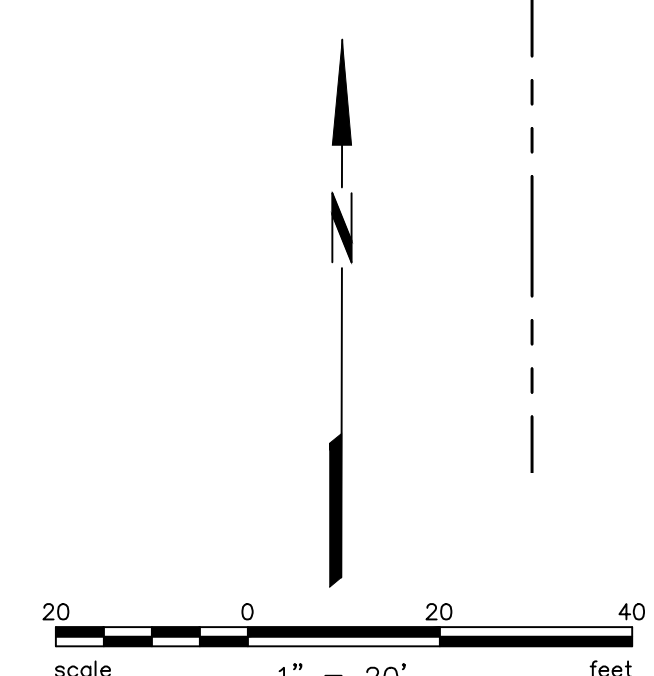
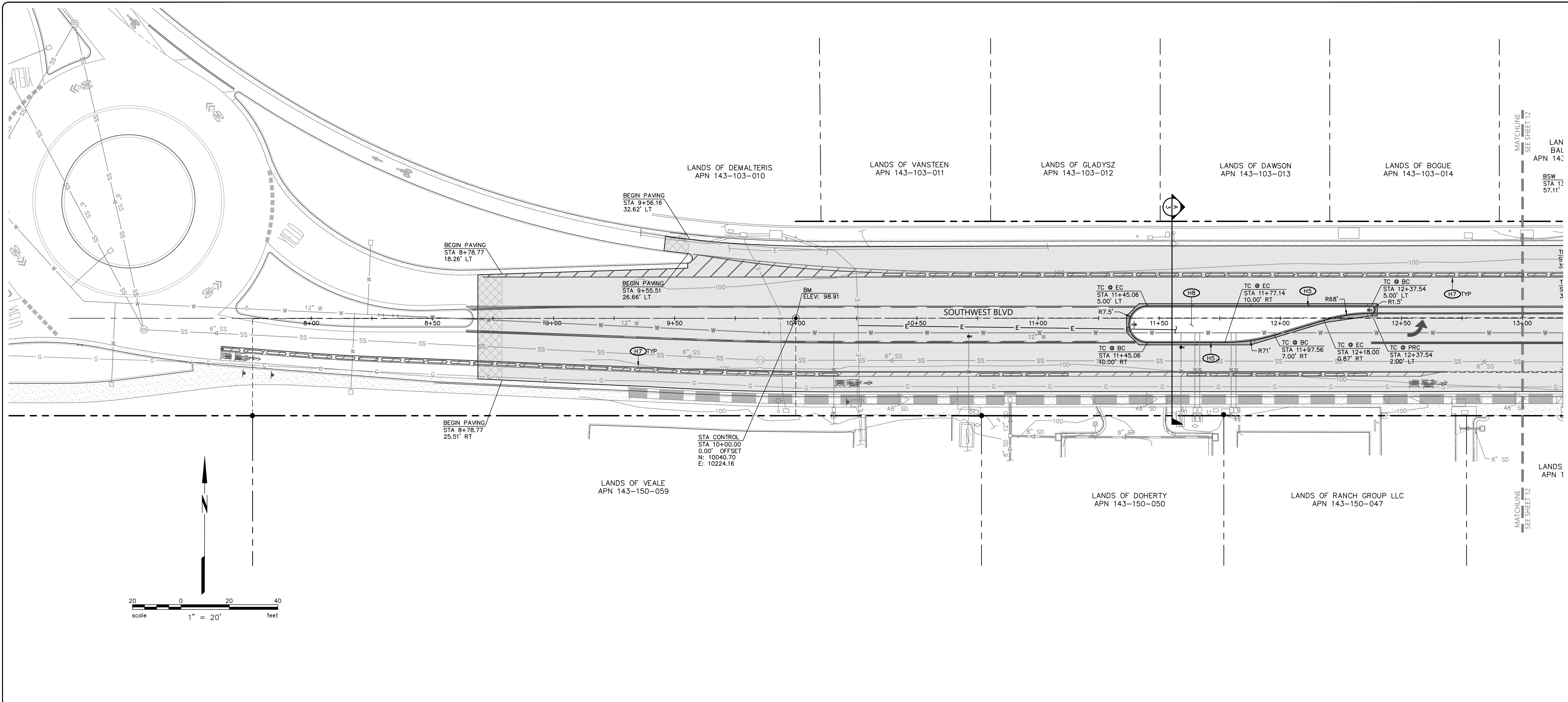
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**SOUTHWEST BOULEVARD COMPLETE STREETS
 COMMERCE BOULEVARD-ADRIAN DRIVE**
 PROJECT # 2020-23

DEMOLITION PLAN


DESIGNED BY: NR
 DRAWN BY: CAG
 CHECKED BY: VM
 DATE: FEBRUARY 2024
 PROJECT: 20211837-10
 DWG NO: C1.3
 SHEET
10 OF 40
 SHEETS

\\BKF-SR\PROJECTS\2021\1837_CITY OF ROHNERT PARK\10_SOUTHWEST BLVD\DWG\211837_IMPR



- KEYNOTES:**
- (H5) STREET MEDIAN CURB IN ACCORDANCE WITH CITY STANDARD 242, TYPE A.
 - (H7) FOR SIGNING AND STRIPING INFORMATION, SEE SHEETS SSO.1 & SSO.2.
 - (H8) FOR MEDIAN PLANTING INFORMATION, SEE SHEETS L2.0 THROUGH L2.3.

CITY OF ROHNERT PARK
 130 AVRAM AVENUE
 ROHNERT PARK, CALIFORNIA 94928
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REV. NO.	DATE	DESCRIPTION	BY

BKF ENGINEERS
 200 4th STREET
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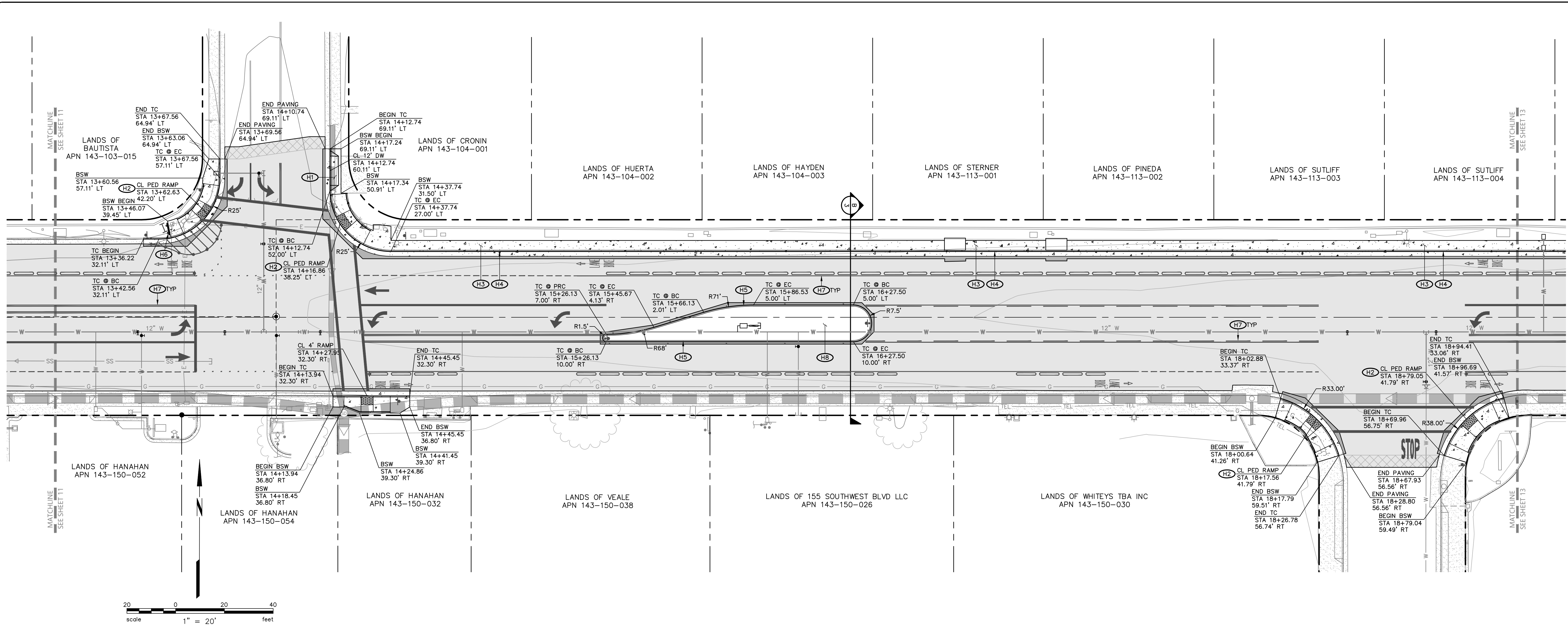
**SOUTHWEST BOULEVARD COMPLETE STREETS
 COMMERCE BOULEVARD-ADRIAN DRIVE
 PROJECT # 2020-23**

HORIZONTAL CONTROL PLAN

DESIGNED BY: NR
 DRAWN BY: CAG
 CHECKED BY: VM
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 PROJECT: 20211837-10
 DWG NO: C2.0
 SHEET

11 OF 40
 SHEETS

\\BKF-SR\PROJECTS\2021\1837_CITY OF ROHNERT PARK\MSA-10_SOUTHWEST BLVD\DWG\211837_IMPR



KEYNOTES:

- (H1)** REPLACE DRIVEWAY CURB CUT IN ACCORDANCE WITH CITY STANDARD 250A.
- (H2)** CASE C PEDESTRIAN CURB RAMP IN ACCORDANCE WITH 2022 CALTRANS STANDARD PLAN A88A.
- (H3)** SIDEWALK CONSISTING OF 4-INCHES CONCRETE OVER 4-INCHES CLASS 2 AGGREGATE BASE IN ACCORDANCE WITH CITY STANDARD 235 & 237. CONFORM TO EXISTING GROUND AT BACK OF SIDEWALK IN ACCORDANCE WITH CITY STANDARD 233. IF SIDEWALK IS ADJACENT TO LANDSCAPING, PROVIDE MOISTURE BARRIER IN ACCORDANCE WITH CITY STANDARD 264.
- (H4)** CURB AND GUTTER IN ACCORDANCE WITH CITY STANDARD 241.
- (H5)** STREET MEDIAN CURB IN ACCORDANCE WITH CITY STANDARD 242, TYPE A.
- (H6)** SIDEWALK BARRICADE IN ACCORDANCE WITH CITY STANDARD 236.
- (H7)** FOR SIGNING AND STRIPING INFORMATION, SEE SHEETS SSO.1 & SSO.2.
- (H8)** FOR MEDIAN PLANTING INFORMATION, SEE SHEETS L2.0 THROUGH L2.3.

CITY OF ROHNERT PARK
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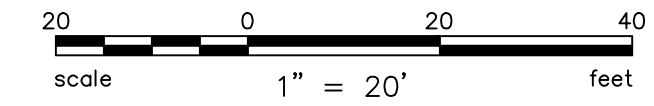
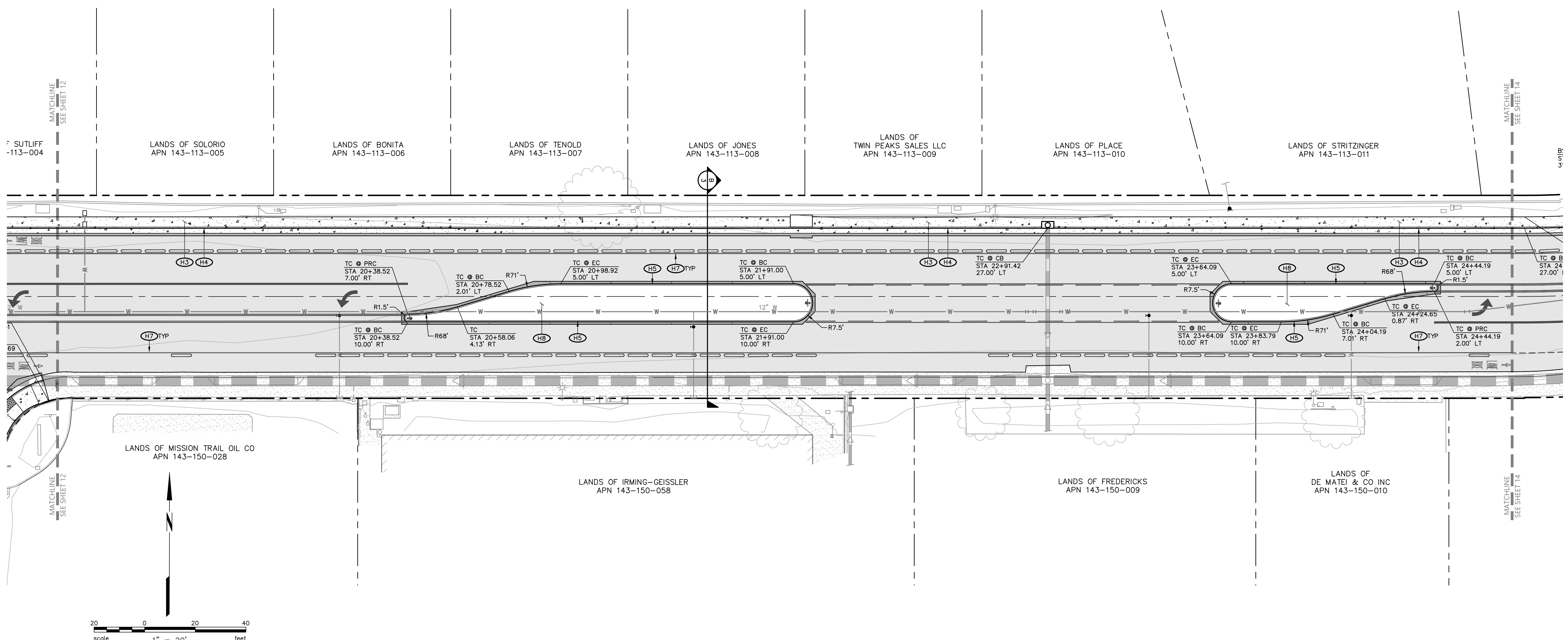
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HORIZONTAL CONTROL PLAN

DESIGNED BY: NR
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12 OF 40
 SHEETS

\\BKF-SRV\04\2021\1837_CITY OF ROHNERT PARK MSA-10_SOUTHWEST BLVD\DWG\211837_IMPR



KEYNOTES:

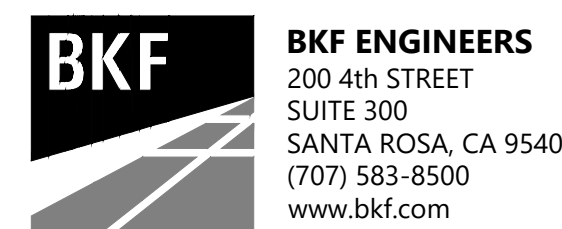
- (H3) SIDEWALK CONSISTING OF 4-INCHES CONCRETE OVER 4-INCHES CLASS 2 AGGREGATE BASE IN ACCORDANCE WITH CITY STANDARD 235 & 237. CONFORM TO EXISTING GROUND AT BACK OF SIDEWALK IN ACCORDANCE WITH CITY STANDARD 233. IF SIDEWALK IS ADJACENT TO LANDSCAPING, PROVIDE MOISTURE BARRIER IN ACCORDANCE WITH CITY STANDARD 264.
- (H4) CURB AND GUTTER IN ACCORDANCE WITH CITY STANDARD 241.
- (H5) STREET MEDIAN CURB IN ACCORDANCE WITH CITY STANDARD 242, TYPE A.
- (H7) FOR SIGNING AND STRIPING INFORMATION, SEE SHEETS SSO.1 & SSO.2.
- (H8) FOR MEDIAN PLANTING INFORMATION, SEE SHEETS L2.0 THROUGH L2.3.

CITY OF ROHNERT PARK

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



REV. NO.	DATE	DESCRIPTION	BY



APPROVED:

Vanessa Marin Garrett
 DATE: 02/15/2024
VANESSA MARIN GARRETT R.C.E. 84141
 CITY ENGINEER, CITY OF ROHNERT PARK
 LICENSE EXPIRES SEPTEMBER 25, 2025

**SOUTHWEST BOULEVARD COMPLETE STREETS
 COMMERCE BOULEVARD-ADRIAN DRIVE**

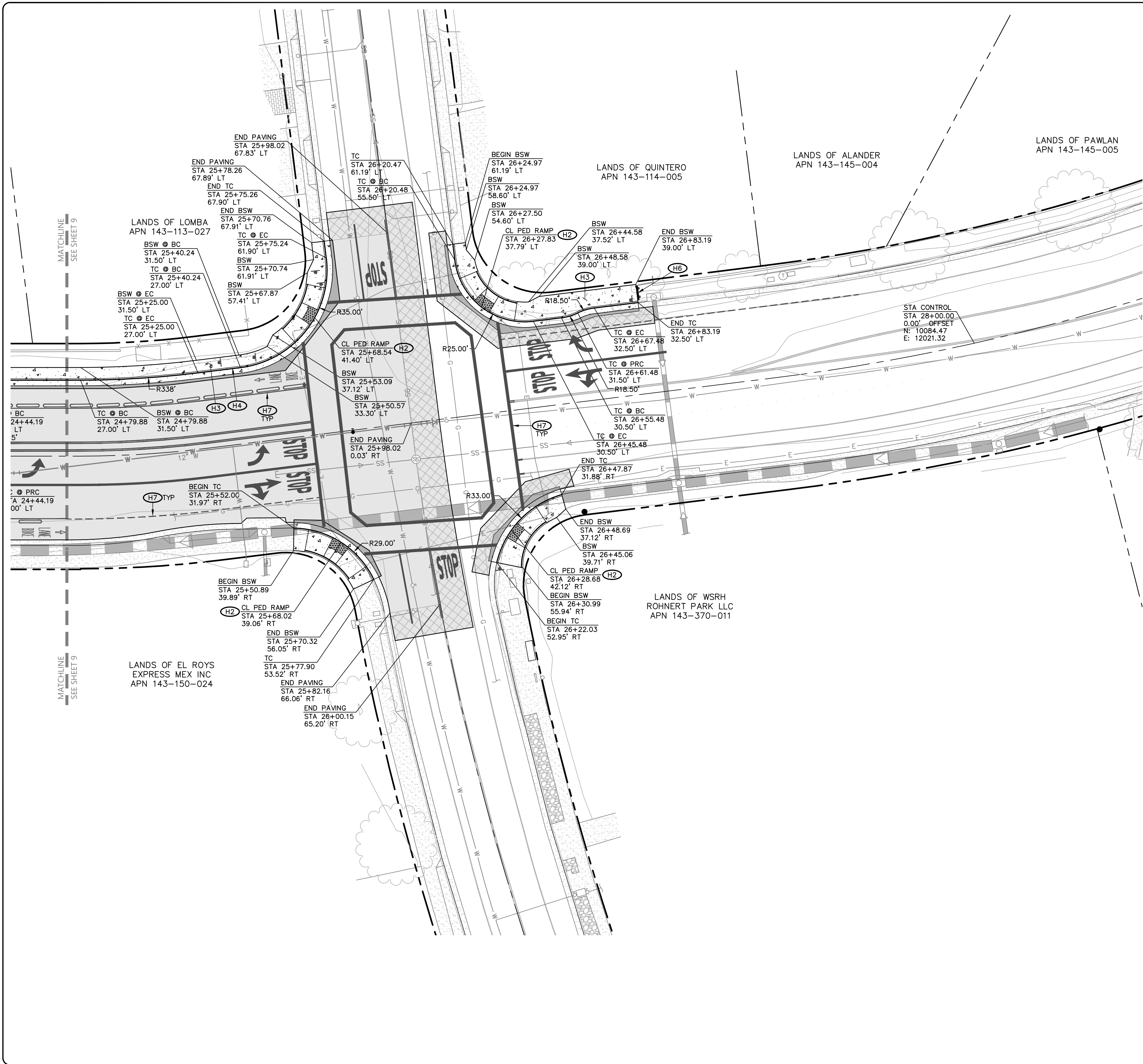
PROJECT # 2020-23

HORIZONTAL CONTROL PLAN

DESIGNED BY: NR
 DRAWN BY: CAG
 CHECKED BY: VM
 DATE: FEBRUARY 2024
 PROJECT: 20211837-10
 DWG NO: C2.2
 SHEET

13 OF 40
 SHEETS

\\BKF-SRV\04\2024\12\11837_CITY OF ROHNERT PARK\MSA-10_SOUTHWEST BLVD\DWG\211837_IMPR



- KEYNOTES:**
- (H2) CASE C PEDESTRIAN CURB RAMP IN ACCORDANCE WITH 2022 CALTRANS STANDARD PLAN AB8A.
 - (H3) SIDEWALK CONSISTING OF 4-INCHES CONCRETE OVER 4-INCHES CLASS 2 AGGREGATE BASE IN ACCORDANCE WITH CITY STANDARD 235 & 237. CONFORM TO EXISTING GROUND AT BACK OF SIDEWALK IN ACCORDANCE WITH CITY STANDARD 233. IF SIDEWALK IS ADJACENT TO LANDSCAPING, PROVIDE MOISTURE BARRIER IN ACCORDANCE WITH CITY STANDARD 264.
 - (H4) CURB AND GUTTER IN ACCORDANCE WITH CITY STANDARD 241.
 - (H6) SIDEWALK BARRICADE IN ACCORDANCE WITH CITY STANDARD 236.
 - (H7) FOR SIGNING AND STRIPING INFORMATION, SEE SHEETS SSO.1 & SSO.2.

CITY OF ROHNERT PARK

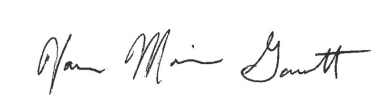
130 AVRAM AVENUE
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REV. NO.	DATE	DESCRIPTION	BY

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 200 4th STREET
 SUITE 300
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 (707) 583-8500
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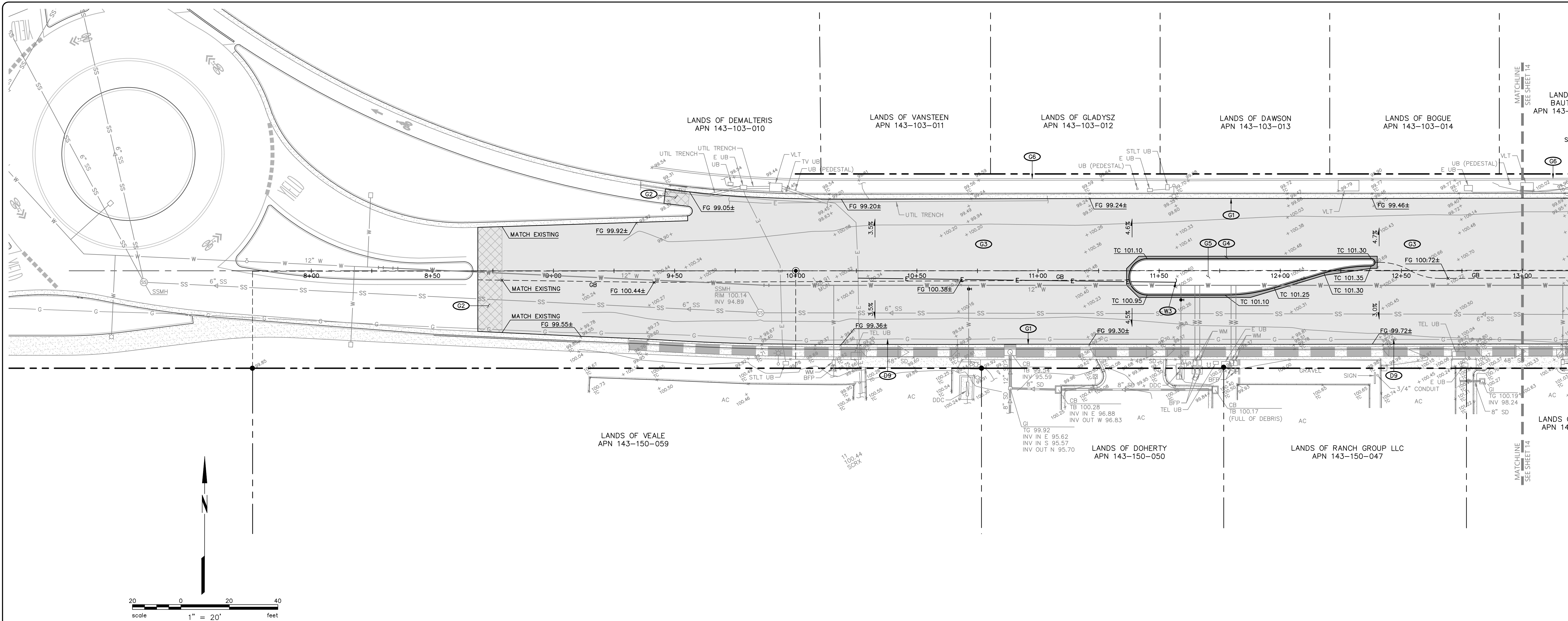
APPROVED:

 DATE: 02/15/2024
VANESSA MARIN GARRETT R.C.E. 84141
 CITY ENGINEER, CITY OF ROHNERT PARK
 LICENSE EXPIRES SEPTEMBER 25, 2025

SOUTHWEST BOULEVARD COMPLETE STREETS COMMERCE BOULEVARD-ADRIAN DRIVE PROJECT # 2020-23

HORIZONTAL CONTROL PLAN

DESIGNED BY: NR
 DRAWN BY: CAG
 CHECKED BY: VM
 DATE: FEBRUARY 2024
 PROJECT: 20211837-10
 DWG NO: C2.3
 SHEET
14 OF 40
 SHEETS

\\BKF-SRV\04\2021\1837_CITY OF ROHNERT PARK\SA-10_SOUTHWEST BLVD\DWG\211837_IMPR



KEYNOTES:

- G1** CONFORM TO EXISTING SURFACE ELEVATION IN A MANNER WHICH PROVIDES A UNIFORM TRANSITION BETWEEN SURFACES AND DOES NOT IMPEDE DRAINAGE.
- G2** OVERLAY EXISTING ASPHALT CONCRETE IN ACCORDANCE WITH CITY STANDARD 208.
- G3** 5-INCH ASPHALT CONCRETE OVERLAY WITH GLASGRID IN ACCORDANCE WITH THE GEOTECHNICAL RECOMMENDATIONS. SEE DETAIL 2, SHEET 3.
- G4** MINIMUM 12-INCH WIDE FULL DEPTH ASPHALT CONCRETE PLUG.
- G5** BACKFILL CURBS TO THE LINES AND ELEVATIONS SHOWN WITH SOIL SUITABLE FOR PLANTING.
- G6** CONTRACTOR TO PROVIDE DESIGN BUILD DRAWINGS TO CITY FOR REPAIR OF DAMAGED SOUNDWALL PANELS AND COLUMNS, AND SOUNDWALL PAINT RESTORATION, SEE TECHNICAL SPECIFICATIONS 12.22.
- D9** EXISTING GAS LINE TO REMAIN, PROTECT IN PLACE. CONTRACTOR IS RESPONSIBLE FOR CONTACTING PG&E TO LOCATE EXISTING UTILITY LINES PRIOR TO START OF WORK AND FOR ON-SITE INSPECTION ANY TIME WORK IS BEING PERFORMED WITHIN 5- FEET OF A HIGH PRESSURE GAS LINE.
- W1** NEW 2-INCH IRRIGATION WATER SERVICE IN ACCORDANCE WITH CITY STANDARD 865A AND REDUCED PRESSURE BACKFLOW PREVENTION DEVICE IN ACCORDANCE WITH CITY STANDARD 876. PERFORM ALL TRENCHING AND SURFACE RESTORATION IN ACCORDANCE WITH CITY STANDARD 215.
- W2** IRRIGATION POC, SEE LANDSCAPE PLANS FOR CONTINUATION.
- W3** ELECTRICAL FOR IRRIGATION CONTROLLER, SEE LANDSCAPE PLANS.

THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL POTHOLE AND DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES FIVE WORKING DAYS PRIOR TO THE START OF TRENCHING AND SHALL ADJUST THE DEPTH OF THE NEW UTILITIES TO CLEAR ANY CONFLICTS AS DIRECTED BY THE ENGINEER.

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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(707) 583-8500
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APPROVED:

Vanessa Marin Garrett
DATE: 02/15/2024
VANESSA MARIN GARRETT R.C.E. 84141
CITY ENGINEER, CITY OF ROHNERT PARK
LICENSE EXPIRES SEPTEMBER 25, 2025

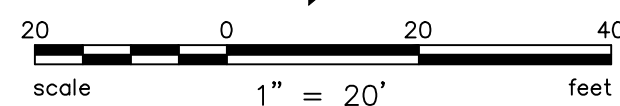
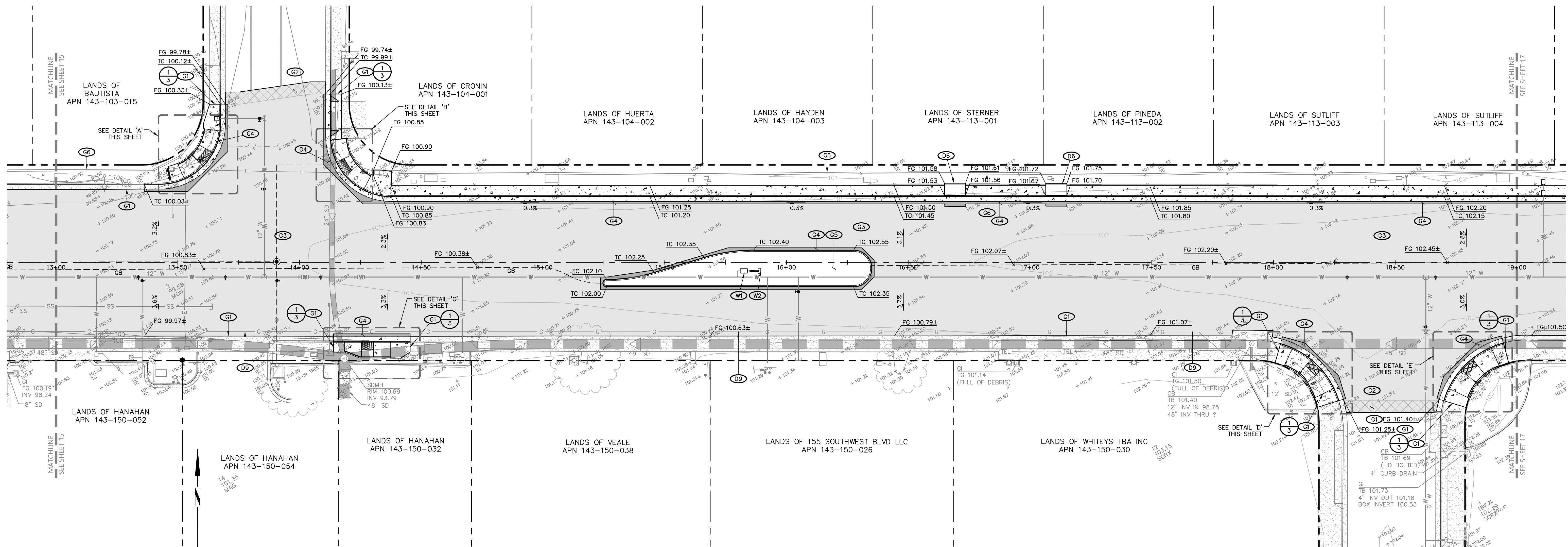
**SOUTHWEST BOULEVARD COMPLETE STREETS
COMMERCE BOULEVARD-ADRIAN DRIVE
PROJECT # 2020-23**

GRADING & UTILITY PLAN

DESIGNED BY: NR
DRAWN BY: CAG
CHECKED BY: VM
DATE: FEBRUARY 2024
PROJECT: 20211837-10
DWG NO: C3.0
SHEET

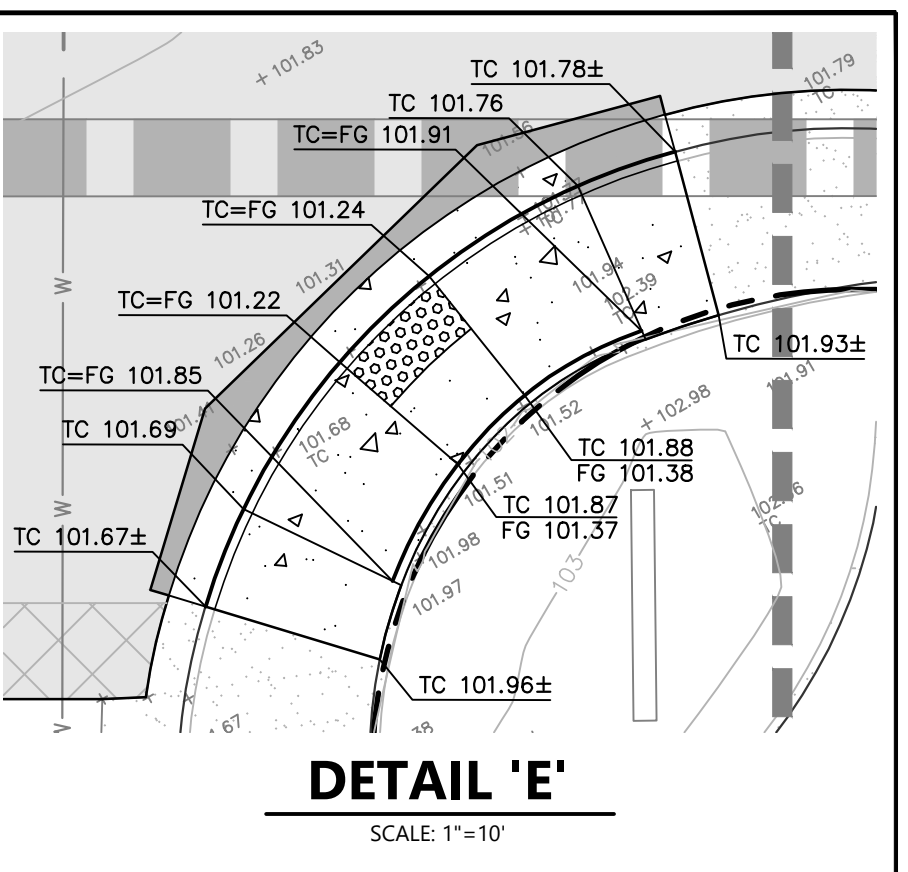
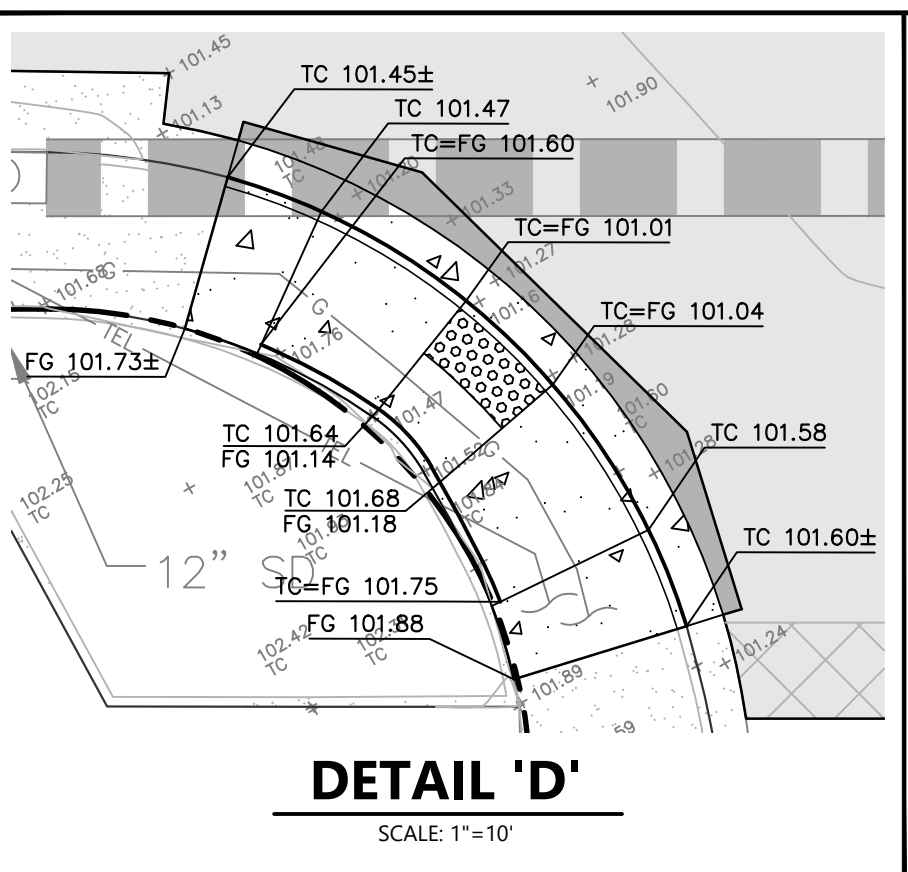
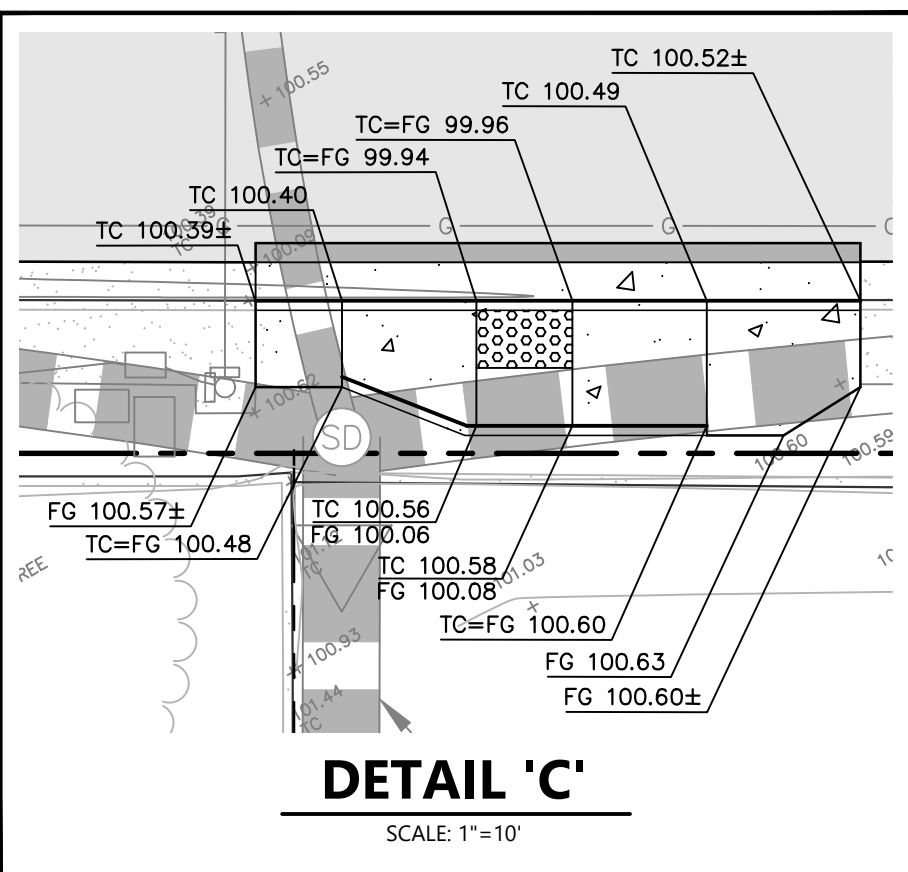
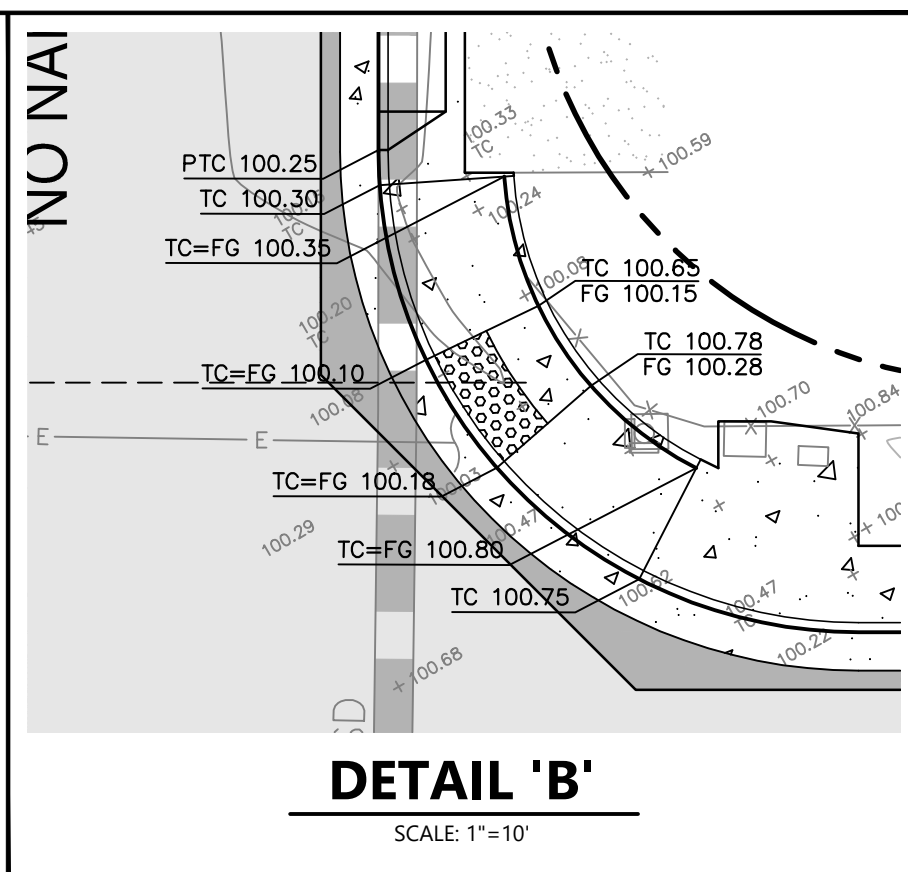
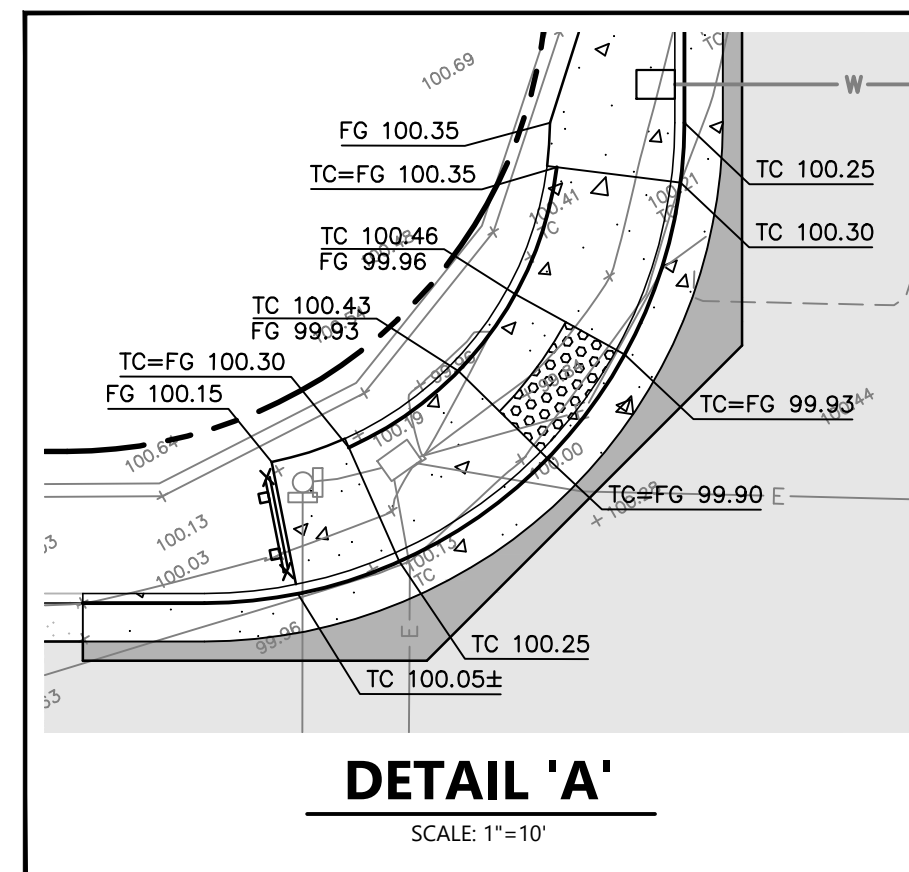
15 OF 40
SHEETS

\\BKF-SRV\04\2021\1837_CITY OF ROHNERT PARK\MSA-10_SOUTHWEST BLVD\DWG\211837_IMPR



KEYNOTES:

- G1** CONFORM TO EXISTING SURFACE ELEVATION IN A MANNER WHICH PROVIDES A UNIFORM TRANSITION BETWEEN SURFACES AND DOES NOT IMPEDE DRAINAGE.
- G2** OVERLAY EXISTING ASPHALT CONCRETE IN ACCORDANCE WITH CITY STANDARD 208.
- G3** 5-INCH ASPHALT CONCRETE OVERLAY WITH GLASGRID IN ACCORDANCE WITH THE GEOTECHNICAL RECOMMENDATIONS. SEE DETAIL 2, SHEET 3.
- G4** MINIMUM 12-INCH WIDE FULL DEPTH ASPHALT CONCRETE PLUG.
- G5** BACKFILL CURBS TO THE LINES AND ELEVATIONS SHOWN WITH SOIL SUITABLE FOR PLANTING.
- G6** CONTRACTOR TO PROVIDE DESIGN BUILD DRAWINGS TO CITY FOR REPAIR OF DAMAGED SOUNDWALL PANELS AND COLUMNS, AND SOUNDWALL PAINT RESTORATION, SEE TECHNICAL SPECIFICATIONS 12.22
- D6** COORDINATE WITH THE OWNER OF THIS UTILITY TO RELOCATE EXISTING UTILITY AS REQUIRED TO FACILITATE THE PROPOSED IMPROVEMENTS.
- D9** EXISTING GAS LINE TO REMAIN, PROTECT IN PLACE. CONTRACTOR IS RESPONSIBLE FOR CONTACTING PG&E TO LOCATE EXISTING UTILITY LINES PRIOR TO START OF WORK AND FOR ON-SITE INSPECTION ANY TIME WORK IS BEING PERFORMED WITHIN 5-FEET OF A HIGH PRESSURE GAS LINE.
- W1** NEW 2-INCH IRRIGATION WATER SERVICE IN ACCORDANCE WITH CITY STANDARD 865A AND REDUCED PRESSURE BACKFLOW PREVENTION DEVICE IN ACCORDANCE WITH CITY STANDARD 876. PERFORM ALL TRENCHING AND SURFACE RESTORATION IN ACCORDANCE WITH CITY STANDARD 215.



THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL POHOLE AND DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES FIVE WORKING DAYS PRIOR TO THE START OF TRENCHING AND SHALL ADJUST THE DEPTH OF THE NEW UTILITIES TO CLEAR ANY CONFLICTS AS DIRECTED BY THE ENGINEER.

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



REV. NO.	DATE	DESCRIPTION	BY

BKF BKF ENGINEERS
200 4th STREET
SUITE 300
SANTA ROSA, CA 95401
(707) 583-8500
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APPROVED:
Vanessa Marin Garrett
DATE: 02/15/2024
VANESSA MARIN GARRETT R.C.E. 84141
CITY ENGINEER, CITY OF ROHNERT PARK
LICENSE EXPIRES SEPTEMBER 25, 2025

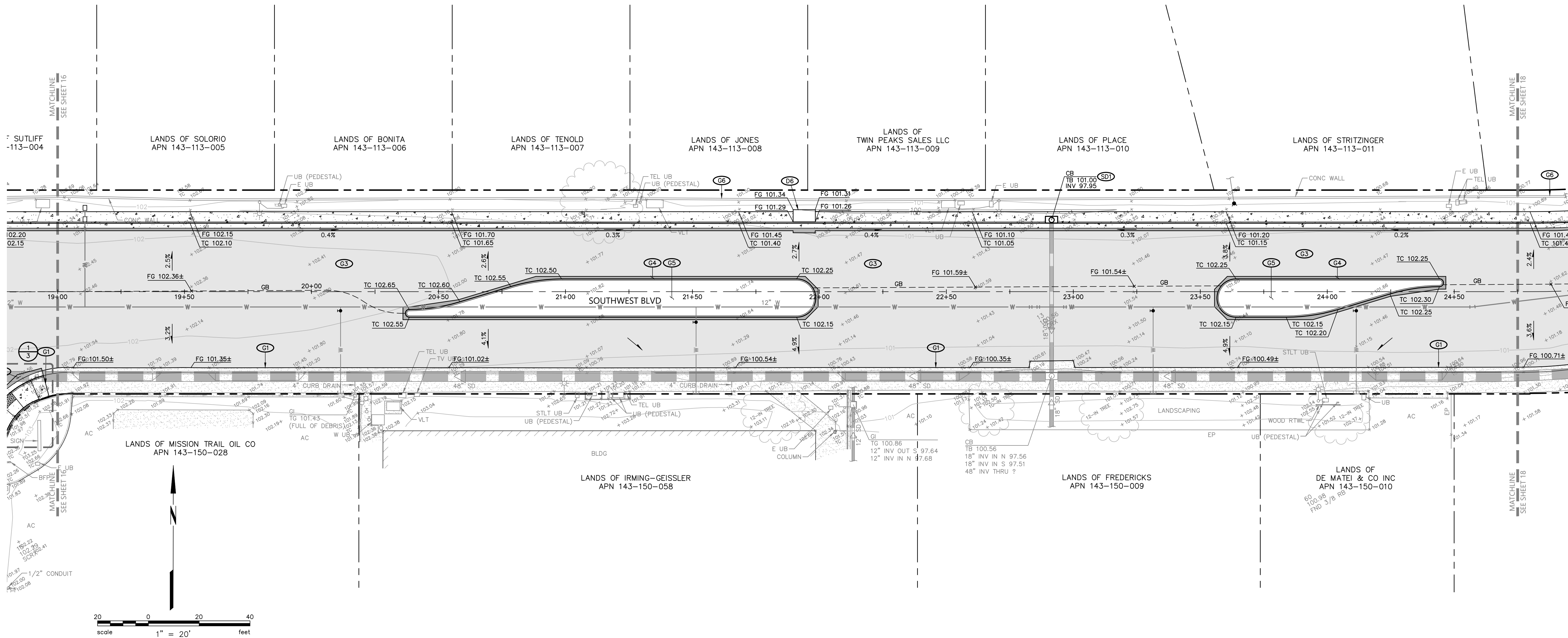
**SOUTHWEST BOULEVARD COMPLETE STREETS
COMMERCE BOULEVARD-ADRIAN DRIVE
PROJECT # 2020-23**

GRADING & UTILITY PLAN

DESIGNED BY: NR
DRAWN BY: CAG
CHECKED BY: VM
DATE: FEBRUARY 2024
PROJECT: 20211837-10
DWG NO: C3.1
SHEET

16 OF 40
SHEETS

\\BKF-SR\PROJECTS\2021\1837_CITY OF ROHNERT PARK\10_SOUTHWEST BLVD\DWG\211837_IMPR



- KEYNOTES:**
- (G1) CONFORM TO EXISTING SURFACE ELEVATION IN A MANNER WHICH PROVIDES A UNIFORM TRANSITION BETWEEN SURFACES AND DOES NOT IMPEDE DRAINAGE.
 - (G2) OVERLAY EXISTING ASPHALT CONCRETE IN ACCORDANCE WITH CITY STANDARD 208.
 - (G3) 5-INCH ASPHALT CONCRETE OVERLAY WITH GLASGRID IN ACCORDANCE WITH THE GEOTECHNICAL RECOMMENDATIONS. SEE DETAIL 2, SHEET 3.
 - (G4) MINIMUM 12-INCH WIDE FULL DEPTH ASPHALT CONCRETE PLUG.
 - (G5) BACKFILL CURBS TO THE LINES AND ELEVATIONS SHOWN WITH SOIL SUITABLE FOR PLANTING.
 - (G6) CONTRACTOR TO PROVIDE DESIGN BUILD DRAWINGS TO CITY FOR REPAIR OF DAMAGED SOUNDWALL PANELS AND COLUMNS, AND SOUNDWALL PAINT RESTORATION, SEE TECHNICAL SPECIFICATIONS 19.22
 - (SD1) TYPE II STORM DRAIN CATCH BASIN IN ACCORDANCE WITH CITY STANDARD 402.
 - (DB) COORDINATE WITH THE OWNER OF THIS UTILITY TO RELOCATE EXISTING UTILITY AS REQUIRED TO FACILITATE THE PROPOSED IMPROVEMENTS.

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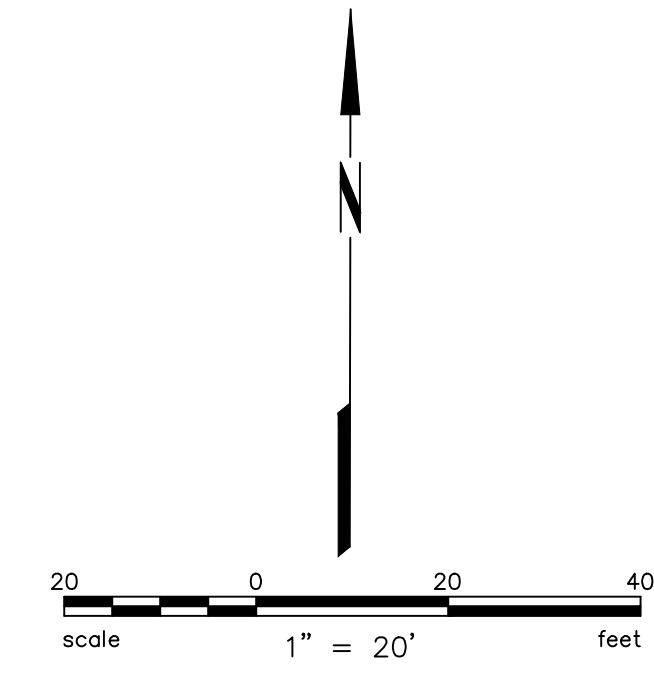
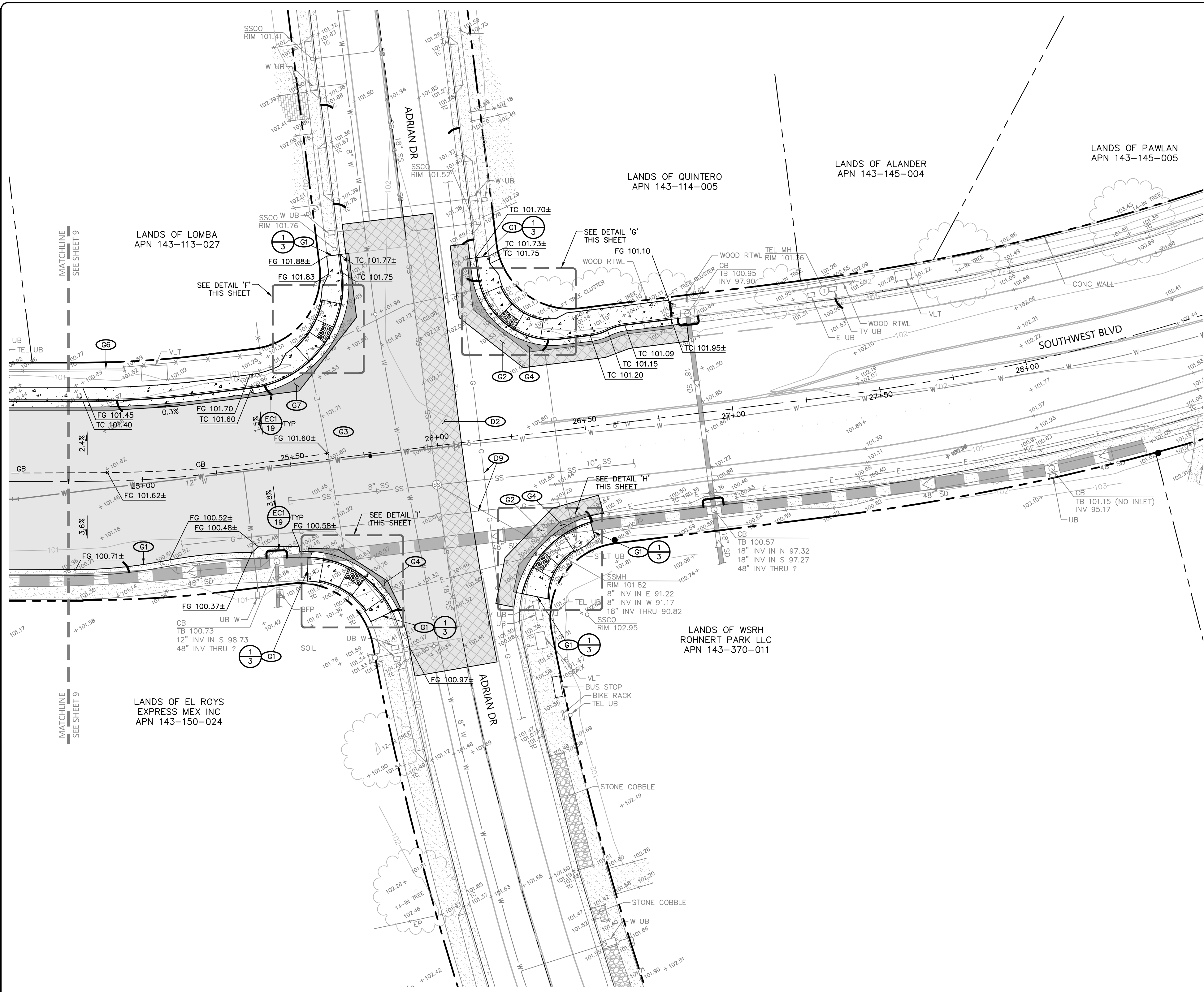
APPROVED:
Vanessa Marin Garrett
 DATE: 02/15/2024
VANESSA MARIN GARRETT R.C.E. 84141
 CITY ENGINEER, CITY OF ROHNERT PARK
 LICENSE EXPIRES SEPTEMBER 25, 2025

**SOUTHWEST BOULEVARD COMPLETE STREETS
 COMMERCE BOULEVARD-ADRIAN DRIVE
 PROJECT # 2020-23**

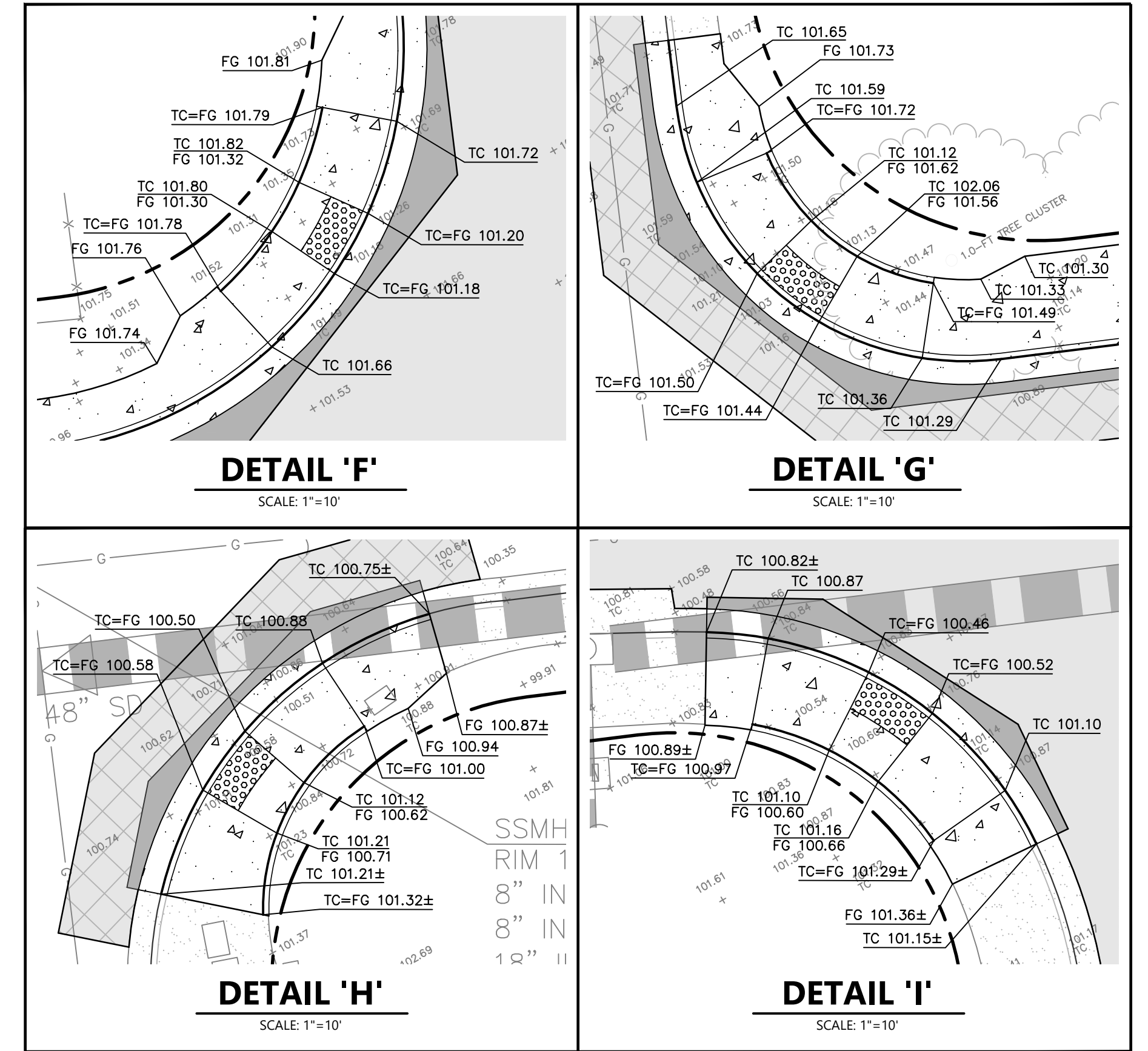
GRADING & UTILITY PLAN

DESIGNED BY: NR
 DRAWN BY: CAG
 CHECKED BY: VM
 DATE: FEBRUARY 2024
 PROJECT: 20211837-10
 DWG NO: C3.2
 SHEET
17 OF 40
 SHEETS

\\BKF-SR\VO\2021\1211837_CITY OF ROHNERT PARK MSA-10_SOUTHWEST BLVD\DWG\211837_IMPR



- KEYNOTES:**
- (G1) CONFORM TO EXISTING SURFACE ELEVATION IN A MANNER WHICH PROVIDES A UNIFORM TRANSITION BETWEEN SURFACES AND DOES NOT IMPEDE DRAINAGE.
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 - (D9) EXISTING GAS LINE TO REMAIN, PROTECT IN PLACE. CONTRACTOR IS RESPONSIBLE FOR CONTACTING PG&E TO LOCATE EXISTING UTILITY LINES PRIOR TO START OF WORK AND FOR ON-SITE INSPECTION ANY TIME WORK IS BEING PERFORMED WITHIN 5-FOOT OF A HIGH PRESSURE GAS LINE.



THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL POHOLE AND DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES FIVE WORKING DAYS PRIOR TO THE START OF TRENCHING AND SHALL ADJUST THE DEPTH OF THE NEW UTILITIES TO CLEAR ANY CONFLICTS AS DIRECTED BY THE ENGINEER.

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 130 AVRAM AVENUE
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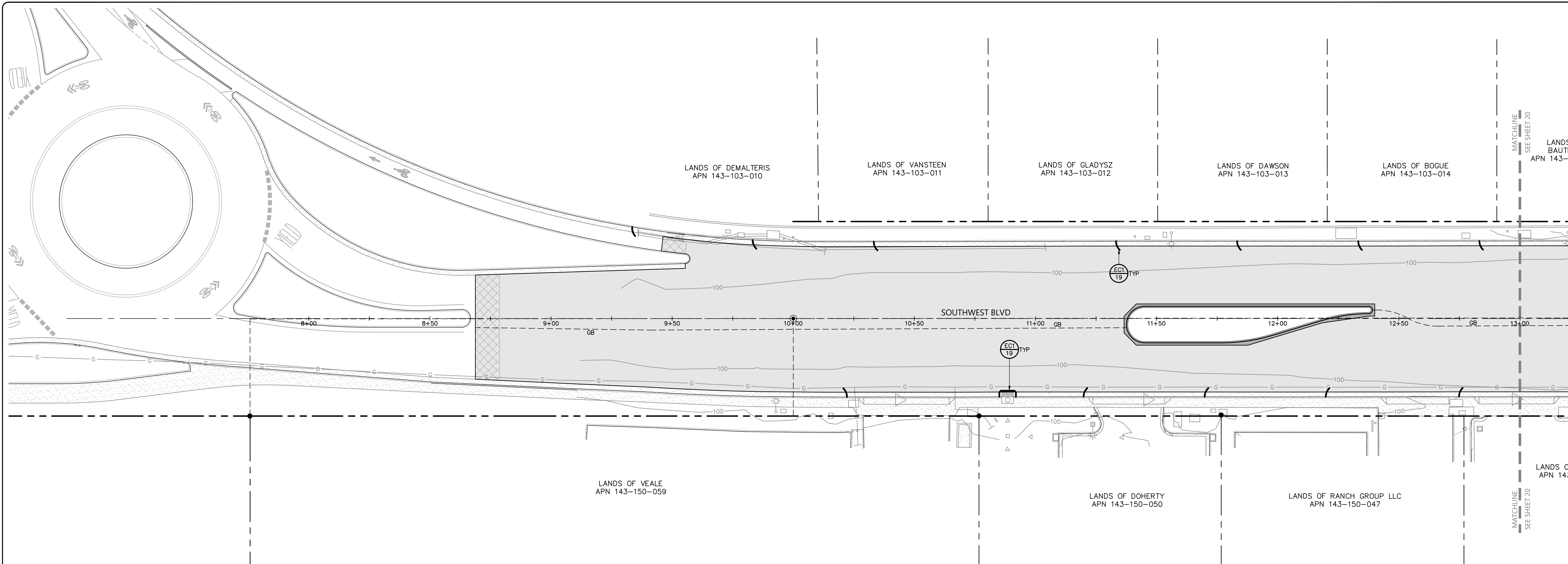
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**SOUTHWEST BOULEVARD COMPLETE STREETS
 COMMERCE BOULEVARD-ADRIAN DRIVE
 PROJECT # 2020-23**

GRADING & UTILITY PLAN

DESIGNED BY: NR
 DRAWN BY: CAG
 CHECKED BY: VM
 DATE: FEBRUARY 2024
 PROJECT: 20211837-10
 DWG NO: C3.3
 SHEET
18 OF 40
 SHEETS

\\BKF-SR\PROJECTS\2021\1837_CITY OF ROHNERT PARK\MSA-10_SOUTHWEST BLVD\DWG\211837_IMPR



EROSION CONTROL NOTES

GENERAL:

- 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 APPROPRIATELY.
- 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.
- 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.

MATERIALS:

- FILTER FABRIC SHALL BE A PERVIOUS SHEET OF SYNTHETIC POLYMER COMPOSED OF AT LEAST 85% BY WEIGHT ETHYLENE, PROPYLENE, AMIDE, ESTER OF VINYLIDENE YARN, WOVEN OR NON-WOVEN, AND SHALL CONTAIN STABILIZERS AND/OR INHIBITORS TO RESIST DETERIORATION BY HEAT, WATER AND ULTRAVIOLET LIGHT. THE FABRIC SHALL CONFORM TO THE FOLLOWING CRITERIA:
 - THE EQUIVALENT OPENING SIZE (U.S. STANDARD SIEVE) SHALL BE WITHIN THE RANGE 70-100.
 - THE TENSILE STRENGTH (ASTM D1682G) SHALL BE AT LEAST 120 POUNDS. THE STRENGTH OF FABRIC REQUIRED DEPENDS ON THE WIRE SUPPORT FENCE. THE STRENGTH GIVEN IS THE MINIMUM FOR A 6-INCH SQUARE MESH WIRE SUPPORT FENCE. IF EXTRA-STRENGTH FABRIC IS USED WITHOUT A SUPPORT FENCE, THE STRENGTH REQUIRED SHALL BE 200 POUNDS MINIMUM WITH POSTS SPACED ON 6 FOOT CENTERS.
- POSTS FOR SILT FENCES SHALL BE EITHER 4-INCH-DIAMETER WOOD OR 1.33-POUNDS-PER LINEAR FOOT STEEL WITH A MINIMUM LENGTH OF 5 FEET. STEEL POSTS SHALL HAVE PROJECTIONS FOR FASTENING WIRE TO THEM.
- WIRE FENCE REINFORCEMENT FOR SILT FENCES SHALL BE A MINIMUM OF 42 INCHES IN HEIGHT, SHALL BE A MINIMUM OF 14-GAUGE, AND SHALL HAVE A MAXIMUM MESH SPACING OF 6 INCHES.

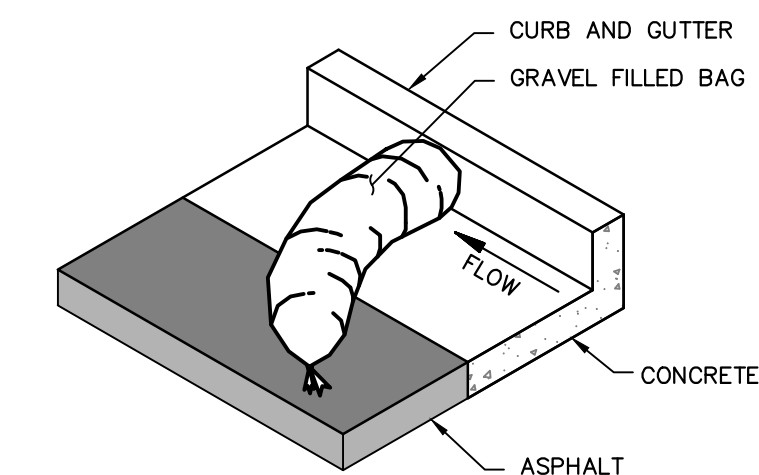
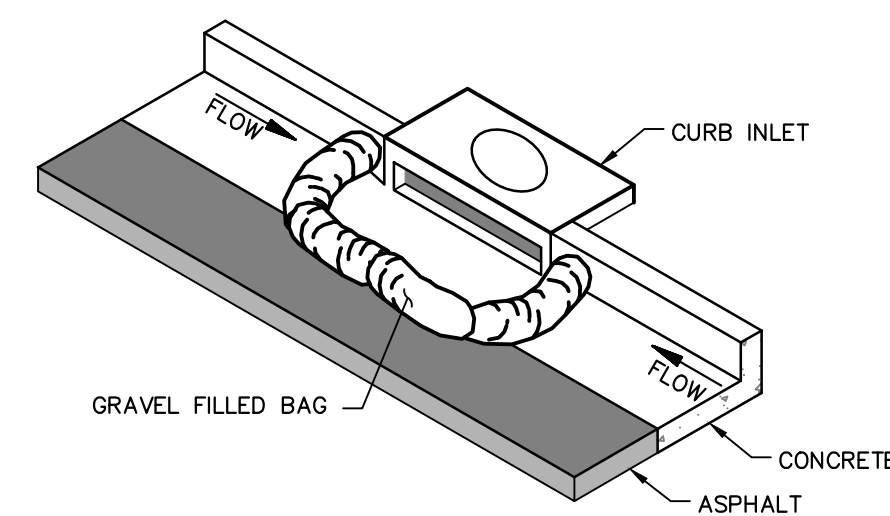
CONSTRUCTION SPECIFICATIONS:

- THE HEIGHT OF A SILT FENCE SHALL NOT EXCEED 36 INCHES. ON SLOPES, THE FENCE LINE SHALL FOLLOW THE CONTOUR AS CLOSELY AS POSSIBLE. IN SMALL SWALES, THE FENCE LINE SHALL BE CURVED UPSTREAM AT THE SIDES TO DIRECT THE FLOW TOWARD THE MIDDLE OF THE FENCE.
- IF POSSIBLE, THE FILTER FABRIC SHALL BE CUT FROM A CONTINUOUS ROLL TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP AND BOTH ENDS SECURELY FASTENED TO THE POST.

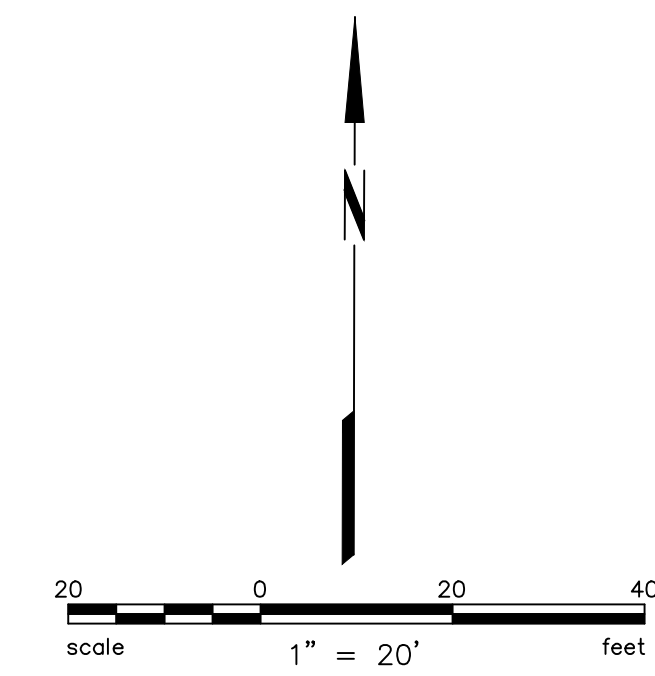
- STEEL POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET APART AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 12 INCHES). WHEN EXTRA-STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, OR WOOD POSTS ARE UTILIZED, POST SPACING SHALL NOT EXCEED 6 FEET.
- A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES WIDE AND 8 INCHES DEEP ALONG THE LINE OF POST AND UPSLOPE FROM THE BARRIER.
- WHEN STANDARD-STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1 INCH LONG. TIE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 2 INCHES AND SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
- THE STANDARD-STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 8 INCHES OF THE FABRIC SHALL EXTEND INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.
- WHEN EXTRA-STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS WITH ALL OTHER PROVISIONS OF NO. 6 ABOVE APPLYING.
- THE TRENCH SHALL BE BACK FILLED AND THE SOIL COMPACTED OVER THE TOE OF THE FILTER FABRIC.
- SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.

MAINTENANCE:

- SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL AND REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
- SHOULD THE FABRIC ON A SILT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE BARRIER'S EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
- SEDIMENT DEPOSITS SHOULD BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER.
- ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE SPREAD TO CONFORM WITH THE EXISTING GRADE, PREPARED AND SEEDED.
- DURING CONSTRUCTION DUST PALLIATIVES SHALL BE USED WHILE PERFORMING ANY CONSTRUCTION ACTIVITIES THAT GENERATE DUST.



EC1 GRAVEL BAG
NO SCALE



CITY OF ROHNERT PARK

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



REV. NO.	DATE	DESCRIPTION	BY

BKF ENGINEERS
200 4th STREET
SUITE 300
SANTA ROSA, CA 95401
(707) 583-8500
www.bkf.com



APPROVED:

Vanessa Marin Garrett
DATE: 02/15/2024
VANESSA MARIN GARRETT R.C.E. 84141
CITY ENGINEER, CITY OF ROHNERT PARK
LICENSE EXPIRES SEPTEMBER 25, 2025

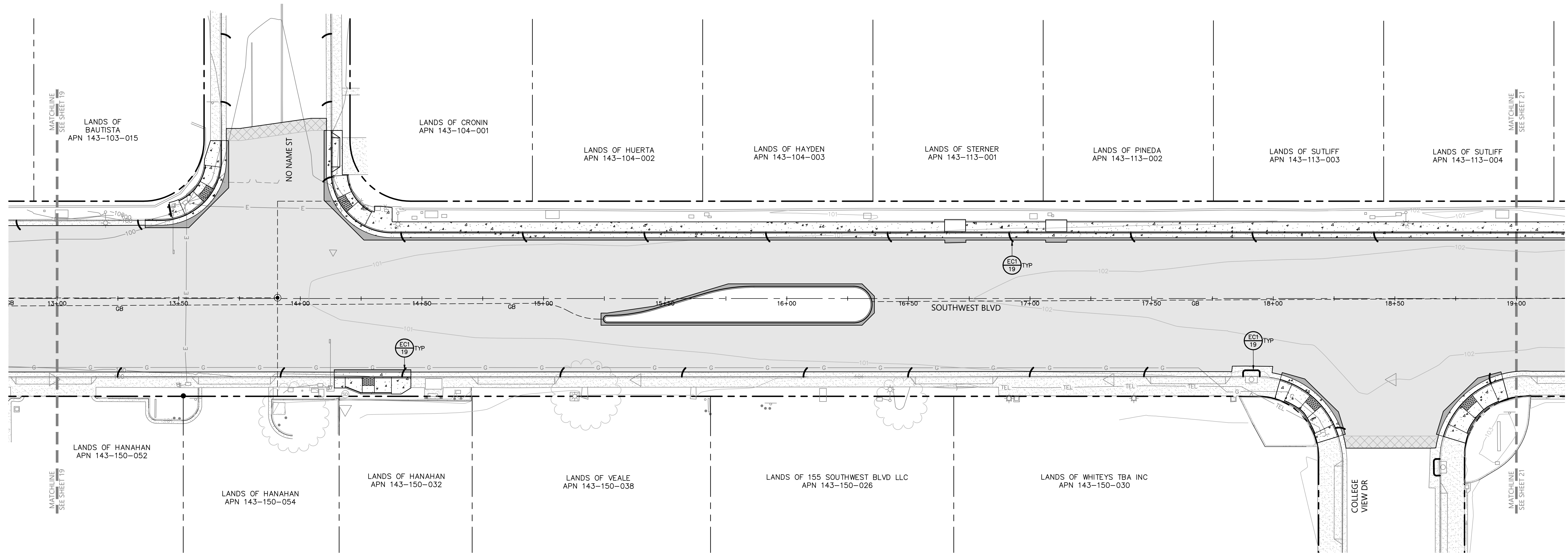
**SOUTHWEST BOULEVARD COMPLETE STREETS
COMMERCE BOULEVARD-ADRIAN DRIVE
PROJECT # 2020-23**

EROSION & SEDIMENT CONTROL PLAN

DESIGNED BY: NR
DRAWN BY: CAG
CHECKED BY: VM
DATE: FEBRUARY 2024
PROJECT: 20211837-10
DWG NO: C4.0
SHEET

19 OF 40
SHEETS

\\BKF-SRV\04\2021\1837_CITY OF ROHNERT PARK MSA\10_SOUTHWEST BLVD\DWG\211837_IMPR




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



REV. NO.	DATE	DESCRIPTION	BY

BKF **BKF ENGINEERS**
 200 4th STREET
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 SANTA ROSA, CA 95401
 (707) 583-8500
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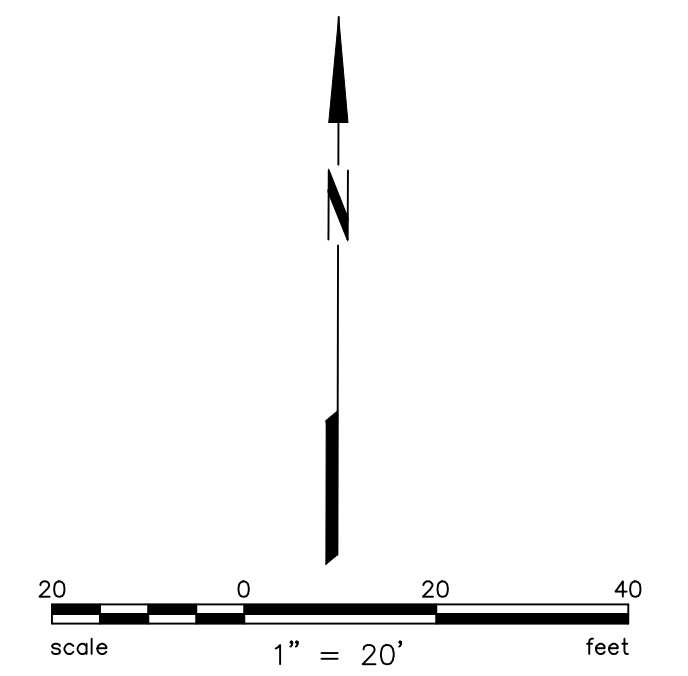
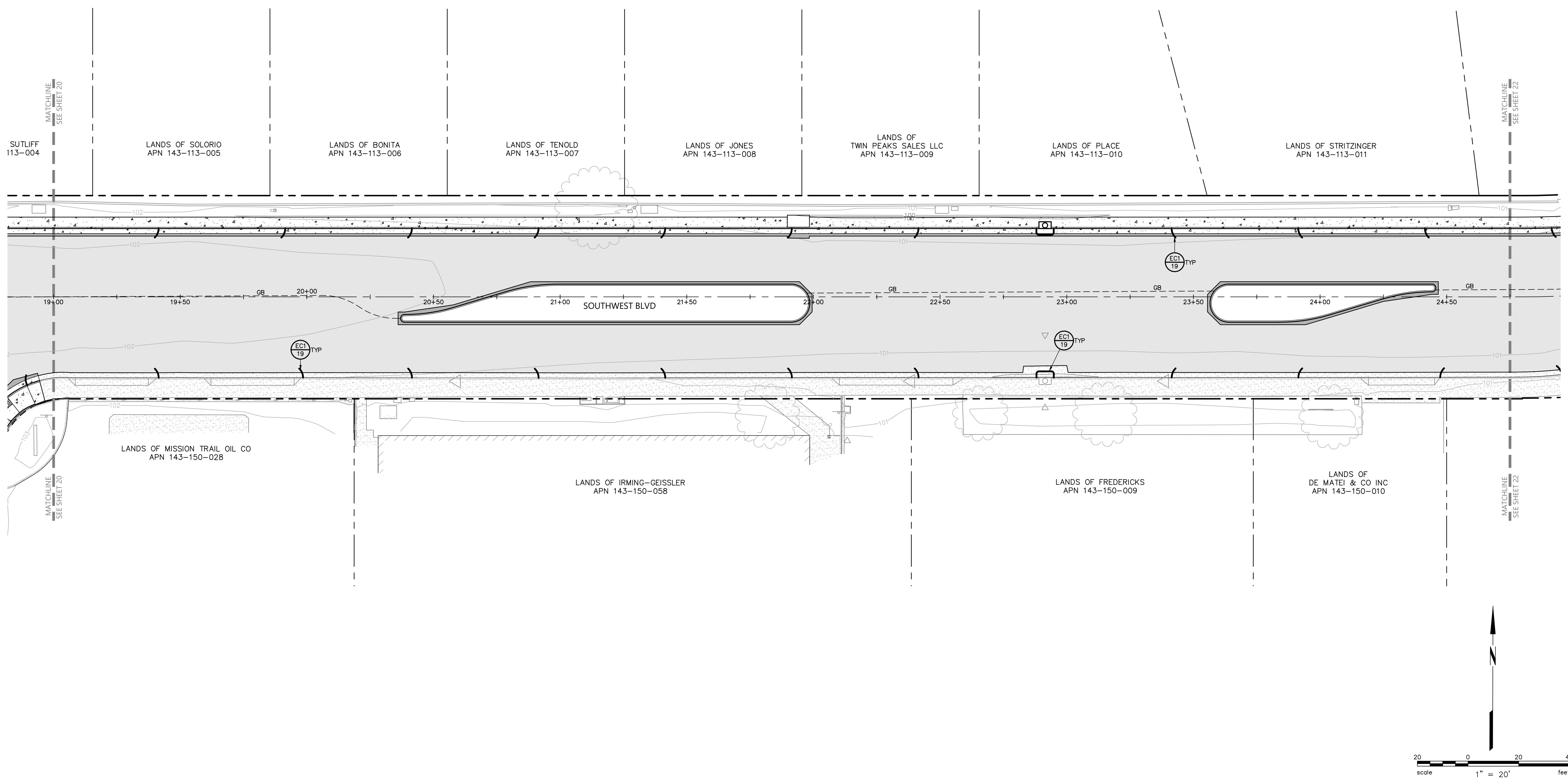
APPROVED:

 DATE: 02/15/2024
VANESSA MARIN GARRETT R.C.E. 84141
 CITY ENGINEER, CITY OF ROHNERT PARK
 LICENSE EXPIRES SEPTEMBER 25, 2025

**SOUTHWEST BOULEVARD COMPLETE STREETS
 COMMERCE BOULEVARD-ADRIAN DRIVE
 PROJECT # 2020-23**

EROSION & SEDIMENT CONTROL PLAN

DESIGNED BY: NR
 DRAWN BY: CAG
 CHECKED BY: VM
 DATE: FEBRUARY 2024
 PROJECT: 20211837-10
 DWG NO: C4.1
 SHEET
20 OF 40
 SHEETS

\\BKF-SR\PROJECTS\2021\1837_CITY OF ROHNERT PARK\MSA-10_SOUTHWEST BLVD\DWG\211837_IMPR



CITY OF ROHNERT PARK

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



REV. NO.	DATE	DESCRIPTION	BY

BKF **BKF ENGINEERS**
 200 4th STREET
 SUITE 300
 SANTA ROSA, CA 95401
 (707) 583-8500
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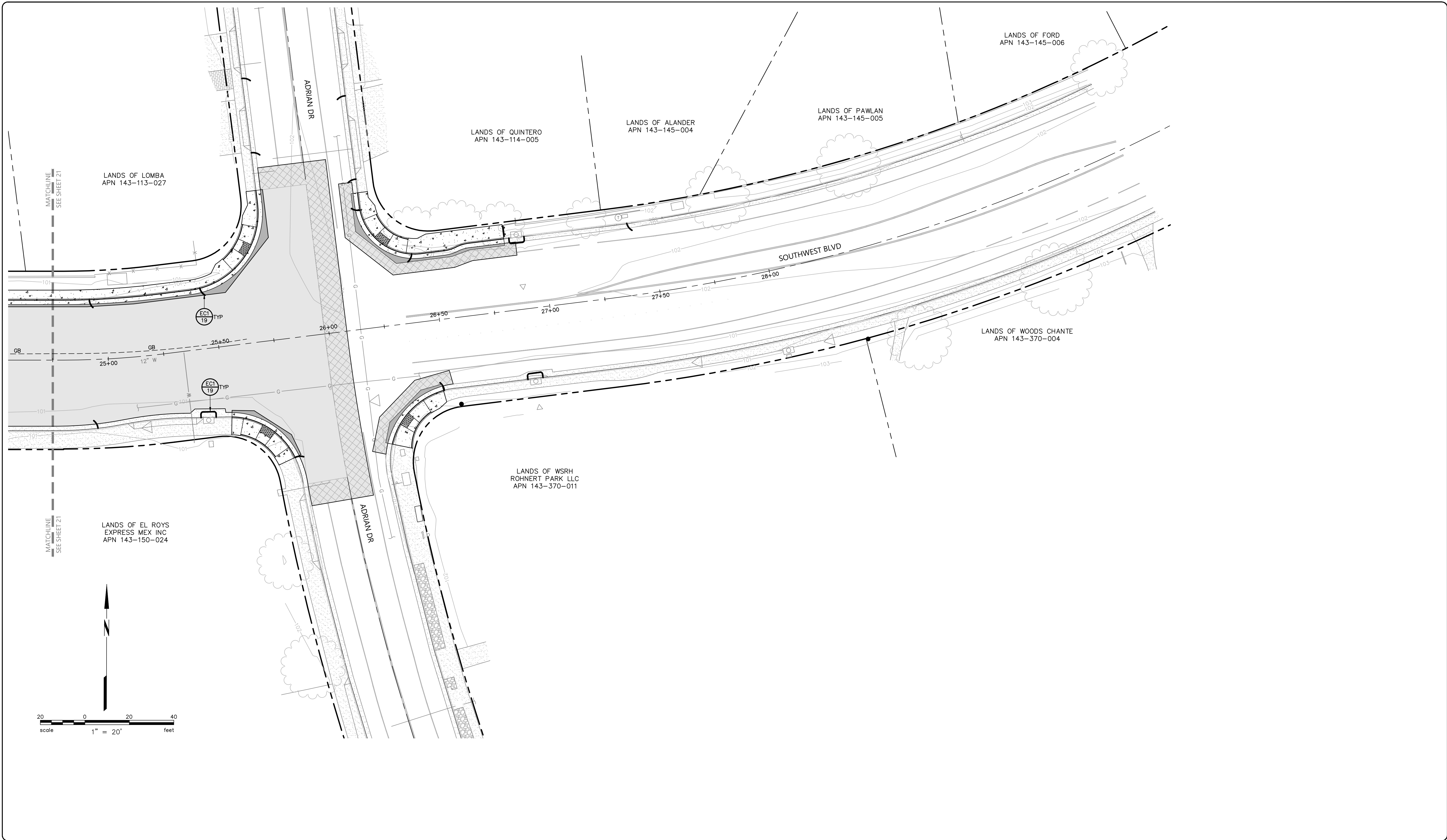
APPROVED:
Vanessa Marin Garrett
 DATE: 02/15/2024
VANESSA MARIN GARRETT R.C.E. 84141
 CITY ENGINEER, CITY OF ROHNERT PARK
 LICENSE EXPIRES SEPTEMBER 25, 2025

SOUTHWEST BOULEVARD COMPLETE STREETS COMMERCE BOULEVARD-ADRIAN DRIVE PROJECT # 2020-23

EROSION & SEDIMENT CONTROL PLAN

DESIGNED BY: NR
 DRAWN BY: CAG
 CHECKED BY: VM
 DATE: FEBRUARY 2024
 PROJECT: 20211837-10
 DWG NO: C4.2
 SHEET
21 OF 40
 SHEETS

\\BKF-SRV\04\2021\1837_CITY OF ROHNERT PARK MSA\10_SOUTHWEST BLVD\DWG\211837_IMPR



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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APPROVED:

Vanessa Marin Garrett

DATE: 02/15/2024

VANESSA MARIN GARRETT R.C.E. 84141
 CITY ENGINEER, CITY OF ROHNERT PARK
 LICENSE EXPIRES SEPTEMBER 25, 2025

SOUTHWEST BOULEVARD COMPLETE STREETS COMMERCE BOULEVARD-ADRIAN DRIVE PROJECT # 2020-23

EROSION & SEDIMENT CONTROL PLAN

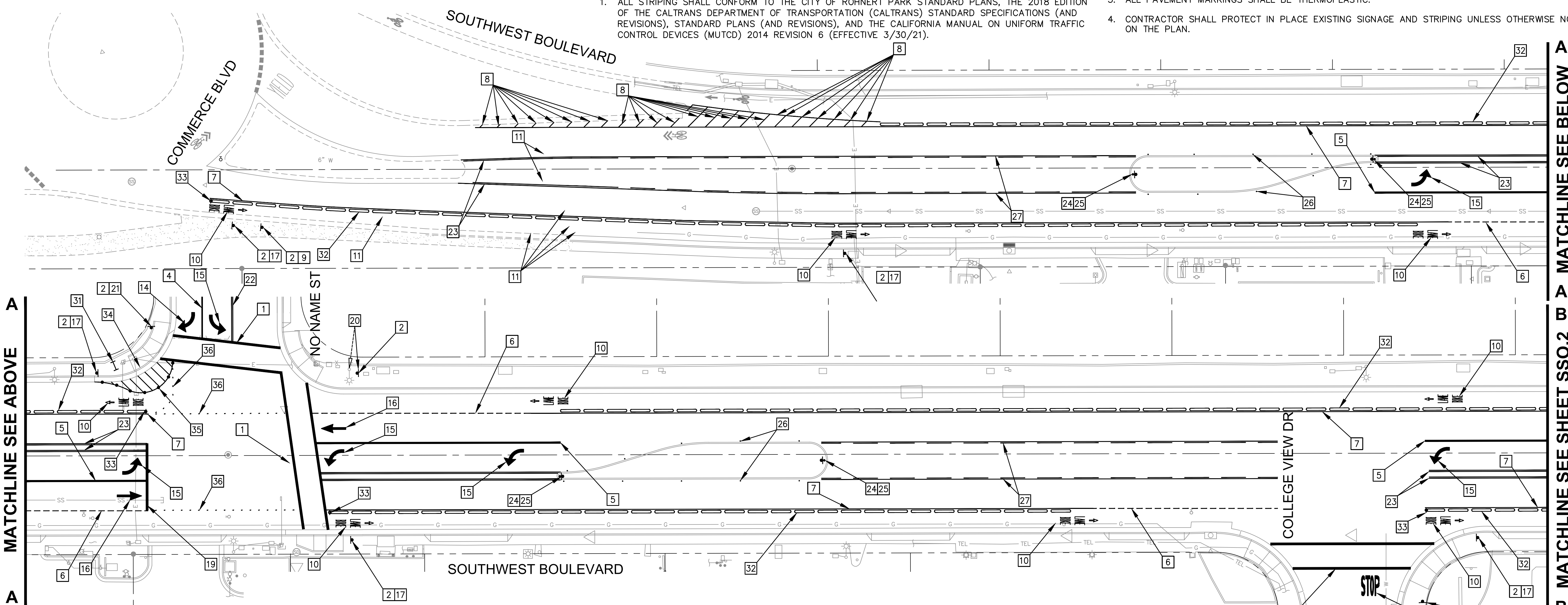
DESIGNED BY: NR
 DRAWN BY: CAG
 CHECKED BY: VM
 DATE: FEBRUARY 2024
 PROJECT: 20211837-10
 DWG NO: C4.3
 SHEET

22 OF 40
 SHEETS

GENERAL NOTES (THIS SHEET ONLY):

1. ALL STRIPING SHALL CONFORM TO THE CITY OF ROHNERT PARK STANDARD PLANS, THE 2018 EDITION OF THE CALTRANS DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD SPECIFICATIONS (AND REVISIONS), STANDARD PLANS (AND REVISIONS), AND THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) 2014 REVISION 6 (EFFECTIVE 3/30/21).

2. ALL SIGNAGE SHALL CONFORM TO THE CA MUTCD 2014 REVISION 6.
 3. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC.
 4. CONTRACTOR SHALL PROTECT IN PLACE EXISTING SIGNAGE AND STRIPING UNLESS OTHERWISE NOTED ON THE PLAN.

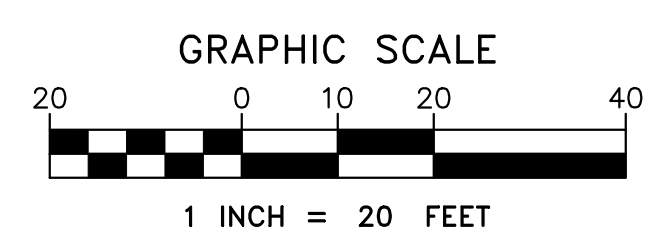


CONSTRUCTION NOTES (THIS SHEET ONLY):

- 1 INSTALL NEW BASIC CROSSWALK PER CALTRANS STANDARD PLAN A24F.
- 2 FURNISH AND INSTALL NEW SIGN POST PER ROHNERT PARK STANDARD DETAIL 705B.
- 3 INSTALL "STOP" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D.
- 4 RESTRIPE EXISTING CHANNELIZING LINE PER DETAIL 38 ON REVISED CALTRANS STANDARD PLAN RSP A20D.
- 5 INSTALL NEW CHANNELIZING LINE PER DETAIL 38A ON REVISED CALTRANS STANDARD PLAN RSP A20D.
- 6 INSTALL INTERSECTION LINE FOR BIKE LANE PER DETAIL 39A ON REVISED CALTRANS STANDARD PLAN RSP A20D.
- 7 INSTALL BIKE LANE LINE PER DETAIL 39 ON REVISED CALTRANS STANDARD PLAN RSP A20D.
- 8 INSTALL NEW 4" SOLID WHITE STRIPE.
- 9 FURNISH AND INSTALL R2-1 (35MPH) SPEED LIMIT SIGN.
- 10 INSTALL "BIKE" PAVEMENT MARKING, "LANE" PAVEMENT MARKING AND BIKE LANE ARROW AS SHOWN PER CALTRANS STANDARD PLANS A24A AND A24E.
- 11 REMOVE CONFLICTING STRIPING.

- 14 REMOVE TYPE IV (R) ARROW PER CALTRANS STANDARD PLAN A24A.
- 15 REMOVE TYPE IV (L) ARROW PER CALTRANS STANDARD PLAN A24A.
- 16 INSTALL TYPE I 10'-0" ARROW PER CALTRANS STANDARD PLAN A24A.
- 17 FURNISH AND INSTALL 12"x18" R26(CA) NO PARKING SIGN AND 18"x24" R81(CA) BIKE LANE SIGN ASSEMBLY ON NEW POST. NO PARKING SIGN SHALL BE MOUNTED ABOVE BIKE LANE SIGN.
- 19 INSTALL LIMIT LINE (STOP LINE) PER REVISED CALTRANS STANDARD PLAN RSP A24G.
- 20 RELOCATE EXISTING CUSTOM STREET SIGN FROM EXISTING STREET LIGHTING POLE TO NEW POST.
- 21 INSTALL 18"x24" R81(CA) BIKE LANE SIGN AND M6-1(R) SIGN ON NEW POST.
- 22 RESTRIPE EXISTING DOUBLE-CENTERLINE PER CA MUTCD FIGURE 3A-104(CA) DETAIL 23.
- 23 INSTALL NEW DOUBLE-CENTERLINE PER CA MUTCD FIGURE 3A-104(CA) DETAIL 23.
- 24 FURNISH AND INSTALL R4-7 SIGN AND TYPE 1 (OM1-3) OBJECT MARKER ON NEW POST.
- 25 FURNISH AND INSTALL TYPE Q MARKER AND TWO-WAY REFLECTIVE MARKERS ON MEDIAN NOSE PER CITY OF ROHNERT PARK STANDARD DETAIL 721.
- 26 FURNISH AND INSTALL LEFT EDGE LINE RAISED PAVEMENT MARKERS PER CITY OF ROHNERT PARK STANDARD DETAIL 721.

- 31 FURNISH AND INSTALL PEDESTRIAN BARRICADE WITH R9-3 SIGN FACING THE END OF THE PEDESTRIAN TRAVEL WAY.
- 32 FURNISH AND INSTALL BOLT-DOWN BIKE LANE CURB WITH 1 1/2' SPACING PER DETAIL A ON SHEET SSO.2.
- 33 FURNISH AND INSTALL TYPE 1 (OM1-3) OBJECT MARKER ON NEW POST.
- 34 INSTALL 6" SOLID WHITE STRIPED BULB-OUT WITH 4" SOLID WHITE STRIPE HATCHING AS SHOWN.
- 35 FURNISH AND INSTALL 6" WHITE ROUND RAISED PAVEMENT MARKERS ALONG BULB-OUT AT 6' SPACING.
- 36 FURNISH AND INSTALL LANE LINE EXTENSION THROUGH INTERSECTION PER DETAIL 40 ON REVISED CALTRANS STANDARD PLAN RSP A20D.



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

REV. NO.	DATE	DESCRIPTION	BY

PLANS PREPARED BY:

1999 Harrison St., Suite 1675
 Oakland, CA 94612
 Phone: (510) 545-7647

APPROVED:

DATE: 02/15/2024
VANESSA MARIN GARRETT R.C.E. 84141
 CITY ENGINEER, CITY OF ROHNERT PARK
 LICENSE EXPIRES SEPTEMBER 25, 2025

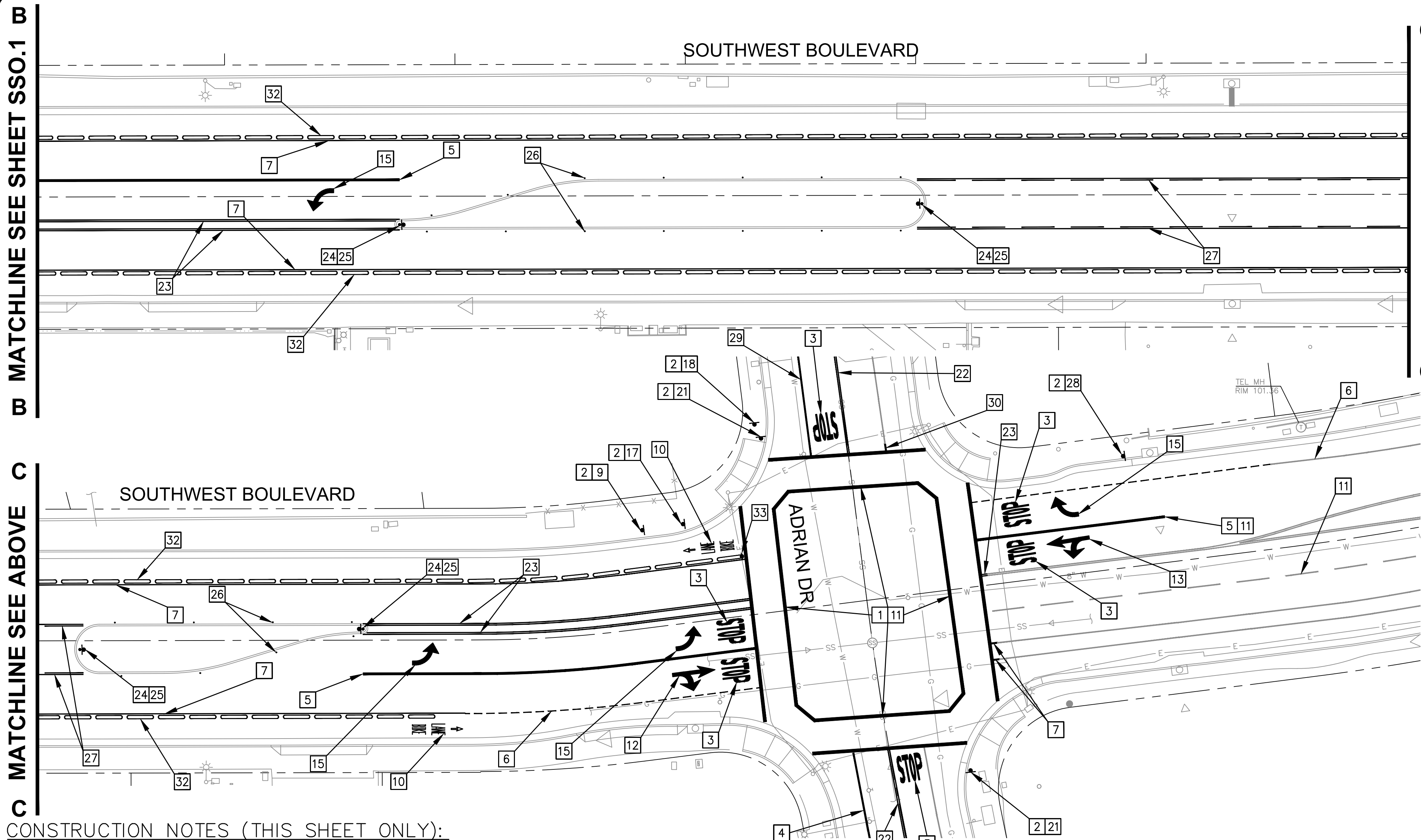
**SOUTHWEST BOULEVARD COMPLETE STREETS
 COMMERCE BOULEVARD-ADRIAN DRIVE
 PROJECT # 2020-23**

**SIGNING AND STRIPING PLANS
 FROM COMMERCE BOULEVARD TO COLLEGE VIEW DRIVE**

DESIGNED BY: KXR
 DRAWN BY: KXR
 CHECKED BY: MWW
 DATE: FEBRUARY 2024
 PROJECT: 20211837-10
 DWG NO: SSO.1
 SHEET
23 OF 40
 SHEETS

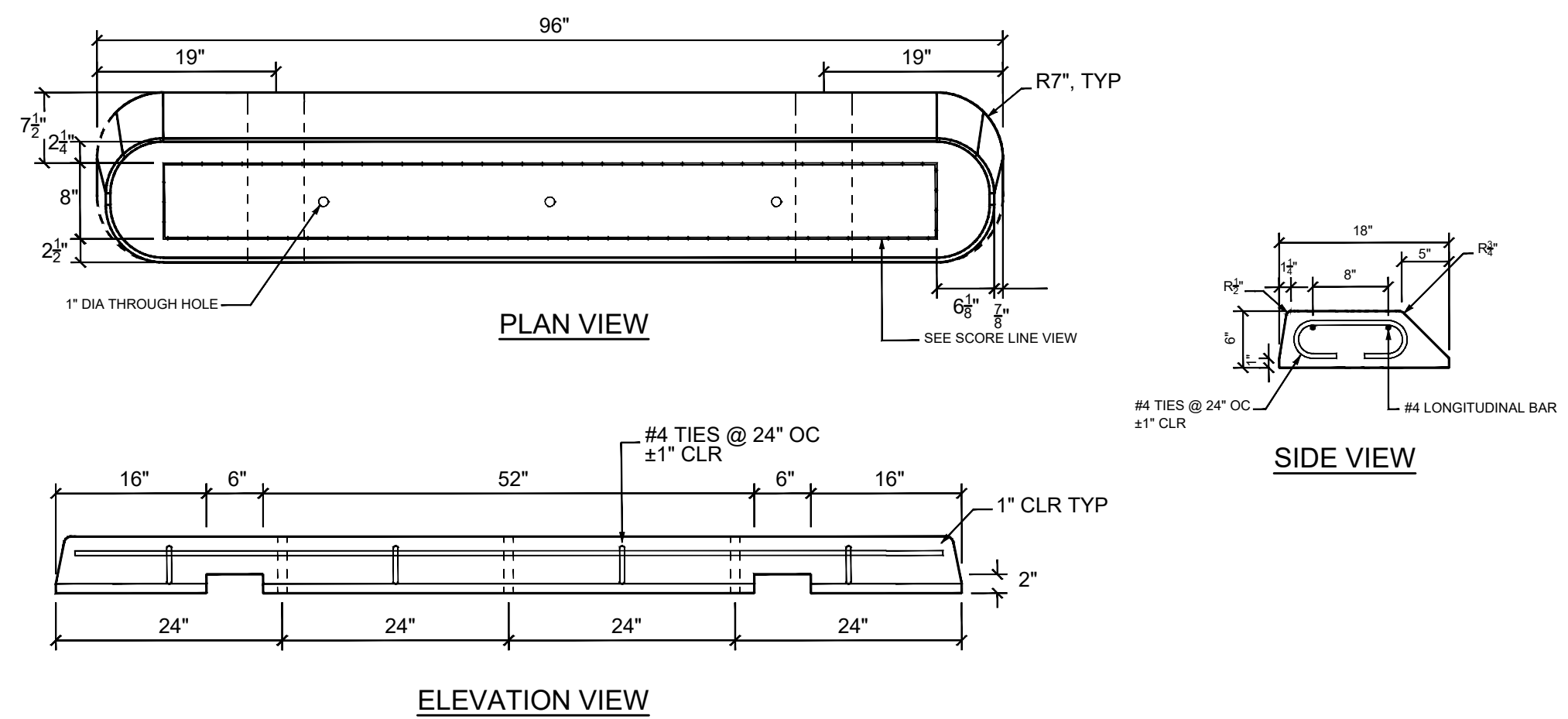
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GENERAL NOTES (THIS SHEET ONLY):

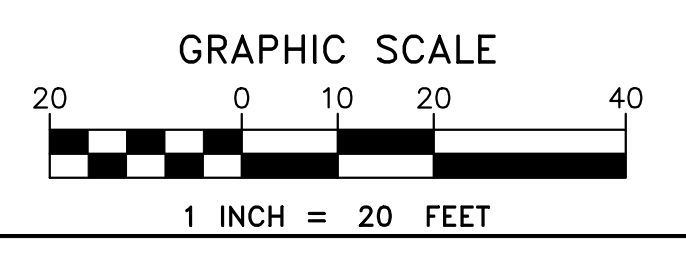
1. ALL STRIPING SHALL CONFORM TO THE CITY OF ROHNERT PARK STANDARD PLANS, THE 2018 EDITION OF THE CALTRANS DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD SPECIFICATIONS (AND REVISIONS), STANDARD PLANS (AND REVISIONS), AND THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) 2014 REVISION 6 (EFFECTIVE 3/30/21).
2. ALL SIGNAGE SHALL CONFORM TO THE CA MUTCD 2014 REVISION 6.
3. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC.
4. CONTRACTOR SHALL PROTECT IN PLACE EXISTING SIGNAGE AND STRIPING UNLESS OTHERWISE NOTED ON THE PLAN.



**DETAIL A: PRECAST CONCRETE BIKE CURB
NOT TO SCALE**

CONSTRUCTION NOTES (THIS SHEET ONLY):

- | | | |
|---|---|---|
| <ul style="list-style-type: none"> 1 INSTALL NEW BASIC CROSSWALK PER CALTRANS STANDARD PLAN A24F. 2 FURNISH AND INSTALL NEW SIGN POST PER ROHNERT PARK STANDARD DETAIL 705B. 3 INSTALL "STOP" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D. 4 RESTRIPE EXISTING CHANNELIZING LINE PER DETAIL 38 ON REVISED CALTRANS STANDARD PLAN RSP A20D. 5 INSTALL NEW CHANNELIZING LINE PER DETAIL 38A ON REVISED CALTRANS STANDARD PLAN RSP A20D. 6 INSTALL INTERSECTION LINE FOR BIKE LANE PER DETAIL 39A ON REVISED CALTRANS STANDARD PLAN RSP A20D. 7 INSTALL BIKE LANE LINE PER DETAIL 39 ON REVISED CALTRANS STANDARD PLAN RSP A20D. 8 INSTALL NEW 4" SOLID WHITE STRIPE. 9 FURNISH AND INSTALL R2-1 (35MPH) SPEED LIMIT SIGN. 10 INSTALL "BIKE" PAVEMENT MARKING, "LANE" PAVEMENT MARKING AND BIKE LANE ARROW AS SHOWN PER CALTRANS STANDARD PLANS A24A AND A24E. 11 REMOVE CONFLICTING STRIPING. 12 INSTALL TYPE VII (R) ARROW PER CALTRANS STANDARD PLAN A24A. | <ul style="list-style-type: none"> 13 INSTALL TYPE VII (L) ARROW PER CALTRANS STANDARD PLAN A24A. 15 REMOVE TYPE IV (L) ARROW PER CALTRANS STANDARD PLAN A24A. 17 FURNISH AND INSTALL 12"x18" R26(CA) NO PARKING SIGN AND 18"x24" R81(CA) BIKE LANE SIGN ASSEMBLY ON NEW POST. NO PARKING SIGN SHALL BE MOUNTED ABOVE BIKE LANE SIGN. 18 FURNISH AND INSTALL 36"x36" STOP SIGN. 21 INSTALL 18"x24" R81(CA) BIKE LANE SIGN AND M6-1(R) SIGN ON NEW POST. 22 RESTRIPE EXISTING DOUBLE-CENTERLINE PER CA MUTCD FIGURE 3A-104(CA) DETAIL 23. 23 INSTALL NEW DOUBLE-CENTERLINE PER CA MUTCD FIGURE 3A-104(CA) DETAIL 23. 24 FURNISH AND INSTALL R4-7 SIGN AND TYPE 1 (OM1-3) OBJECT MARKER ON NEW POST. 25 FURNISH AND INSTALL TYPE Q MARKER AND TWO-WAY REFLECTIVE MARKERS ON MEDIAN NOSE PER CITY OF ROHNERT PARK STANDARD DETAIL 721. 26 FURNISH AND INSTALL LEFT EDGE LINE RAISED PAVEMENT MARKERS PER CITY OF ROHNERT PARK STANDARD DETAIL 721. 27 INSTALL NEW "NO PASSING ZONE - ONE DIRECTION" STRIPING PER DETAIL 18 ON REVISED CALTRANS STANDARD PLAN A20A. 28 INSTALL 30"x30" R3-7 SIGN ON NEW POST. | <ul style="list-style-type: none"> 29 INSTALL NEW RIGHT EDGE LINE PER DETAIL 27B ON REVISED CALTRANS STANDARD PLAN A20B. 30 RESTRIPE RIGHT EDGE LINE PER DETAIL 27B ON REVISED CALTRANS STANDARD PLAN A20B. 32 FURNISH AND INSTALL BOLT-DOWN BIKE LANE CURB WITH 1 1/2" SPACING PER DETAIL A ON SHEET SSO.2. 33 FURNISH AND INSTALL TYPE 1 (OM1-3) OBJECT MARKER ON NEW POST. |
|---|---|---|



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



REV. NO.	DATE	DESCRIPTION	BY

PLANS PREPARED BY:

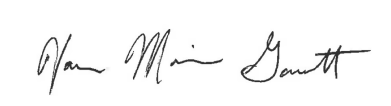


1889 Harrison St., Suite 1675
 Oakland, CA 94612
 Phone: (510) 545-7647



REGISTERED PROFESSIONAL ENGINEER
 No. 82548
 Exp. 9/30/24
 CIVIL
 STATE OF CALIFORNIA
 2/9/2024

APPROVED:

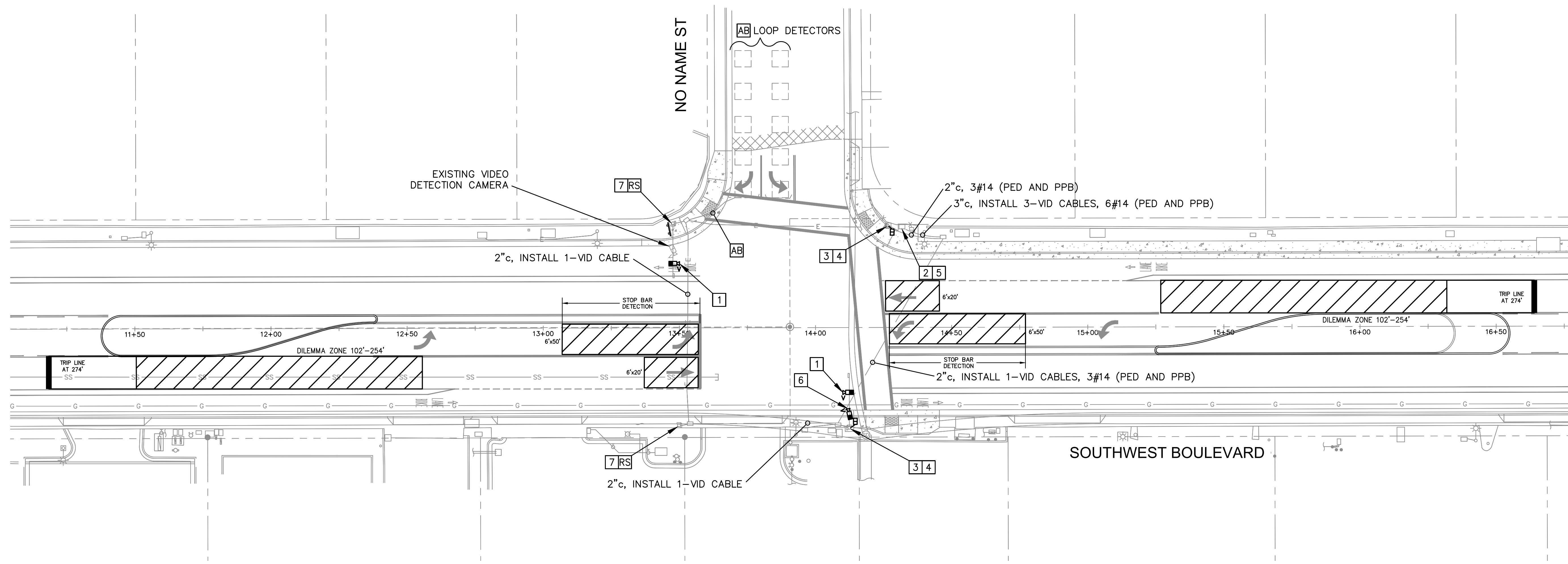
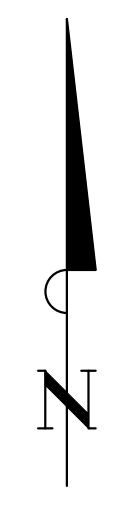


DATE: 02/15/2024
VANESSA MARIN GARRETT R.C.E. 84141
 CITY ENGINEER, CITY OF ROHNERT PARK
 LICENSE EXPIRES SEPTEMBER 25, 2025

**SOUTHWEST BOULEVARD COMPLETE STREETS
 COMMERCE BOULEVARD-ADRIAN DRIVE
 PROJECT # 2020-23**

**SIGNING AND STRIPING PLANS
 FROM EAST OF COLLEGE VIEW DRIVE TO ADRIAN DRIVE**

DESIGNED BY: KXR
 DRAWN BY: KXR
 CHECKED BY: MWW
 DATE: FEBRUARY 2024
 PROJECT: 20211837-10
 DWG NO: SSO.2
 SHEET
24 OF 40
 SHEETS

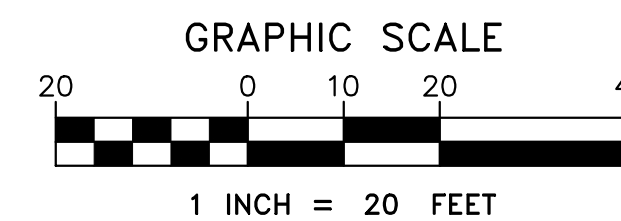


CONSTRUCTION NOTES (THIS SHEET ONLY):

- 1 FURNISH AND INSTALL VIDEO DETECTION SYSTEM CAMERA WITH RADAR FOR ADVANCE DETECTION ON SIGNAL MAST ARM PER MANUFACTURER'S RECOMMENDATIONS AND DETAIL A ON SHEET TSO.2. CONFIGURE ADVANCE DETECTION ZONES FOR DILEMMA ZONE DETECTION.
- 2 FURNISH AND INSTALL VIDEO DETECTION SYSTEM PROCESSOR IN CONTROLLER CABINET.
- 3 FURNISH AND INSTALL COUNTDOWN PEDESTRIAN SIGNAL ASSEMBLY ON EXISTING SIGNAL POLE.
- 4 FURNISH AND INSTALL ACCESSIBLE PEDESTRIAN SIGNAL PUSH BUTTON ON EXISTING POLE.
- 5 FURNISH AND INSTALL ACCESSIBLE PEDESTRIAN SIGNAL CONTROL UNIT IN CONTROLLER CABINET.
- 6 FURNISH AND INSTALL VIDEO DETECTION CAMERA AND 6' RISER ON SIGNAL MAST ARM PER MANUFACTURER'S RECOMMENDATIONS AND DETAIL B ON SHEET TSO.2.
- 7 REMOVE AND SALVAGE NORTH-SOUTH PEDESTRIAN SIGNAL ASSEMBLY AND PEDESTRIAN PUSH BUTTON.

LEGEND:

- PROPOSED PEDESTRIAN HEAD
- PROPOSED VIDEO DETECTION CAMERA
- PROPOSED VIDEO DETECTION ZONE



CITY OF ROHNERT PARK

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



REV. NO.	DATE	DESCRIPTION	BY

PLANS PREPARED BY:

iteris

1899 Harrison St., Suite 1675
 Oakland, CA 94612
 Phone: (510) 540-7647



APPROVED:

Vanessa Marin Garrett

DATE: 02/15/2024

VANESSA MARIN GARRETT R.C.E. 84141
 CITY ENGINEER, CITY OF ROHNERT PARK
 LICENSE EXPIRES SEPTEMBER 25, 2025

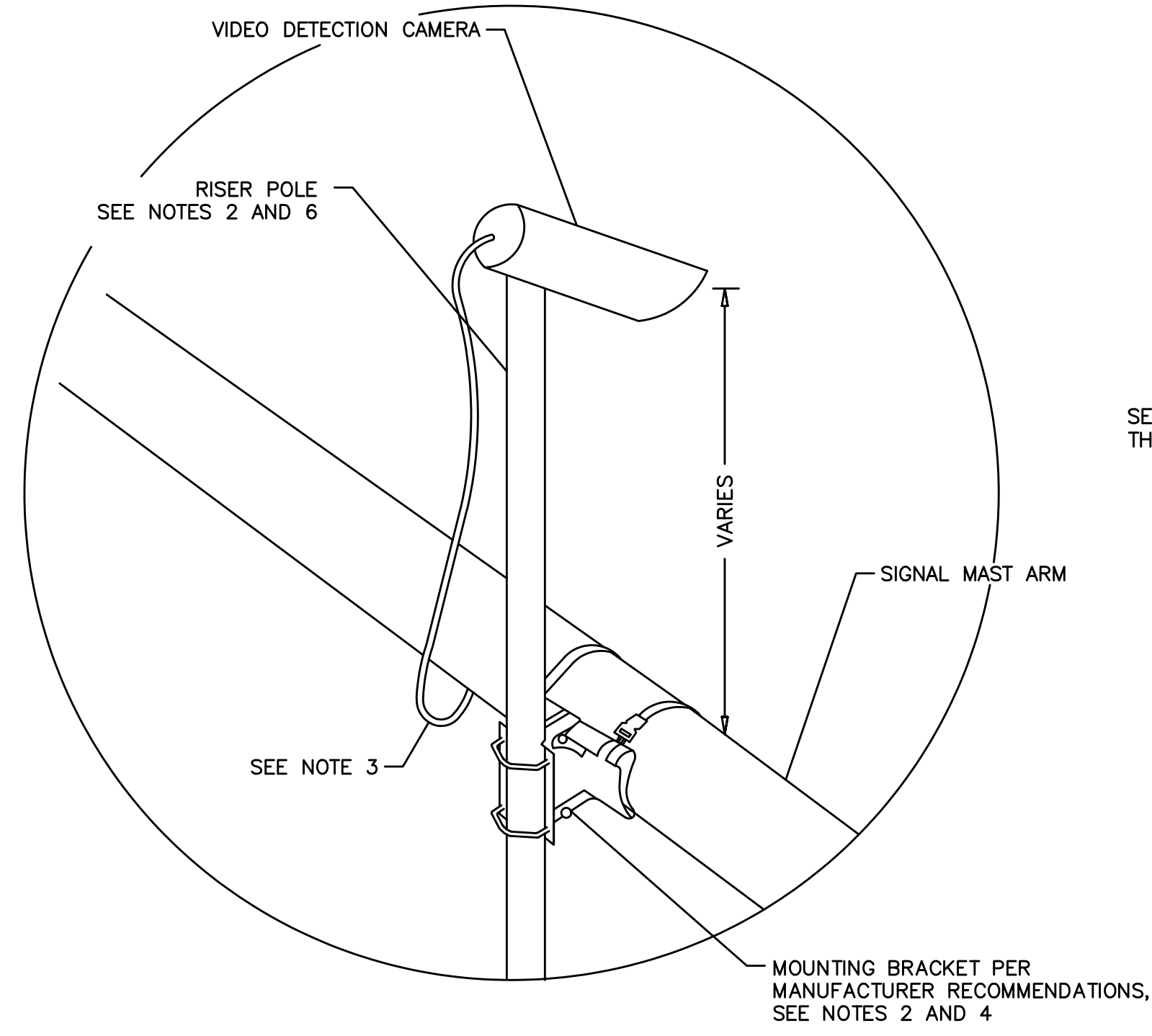
**SOUTHWEST BOULEVARD COMPLETE STREETS
 COMMERCE BOULEVARD-ADRIAN DRIVE
 PROJECT # 2020-23**

**STREET LIGHTING AND TRAFFIC SIGNAL MODIFICATION PLAN
 FROM COMMERCE BOULEVARD TO COLLEGE VIEW DRIVE**

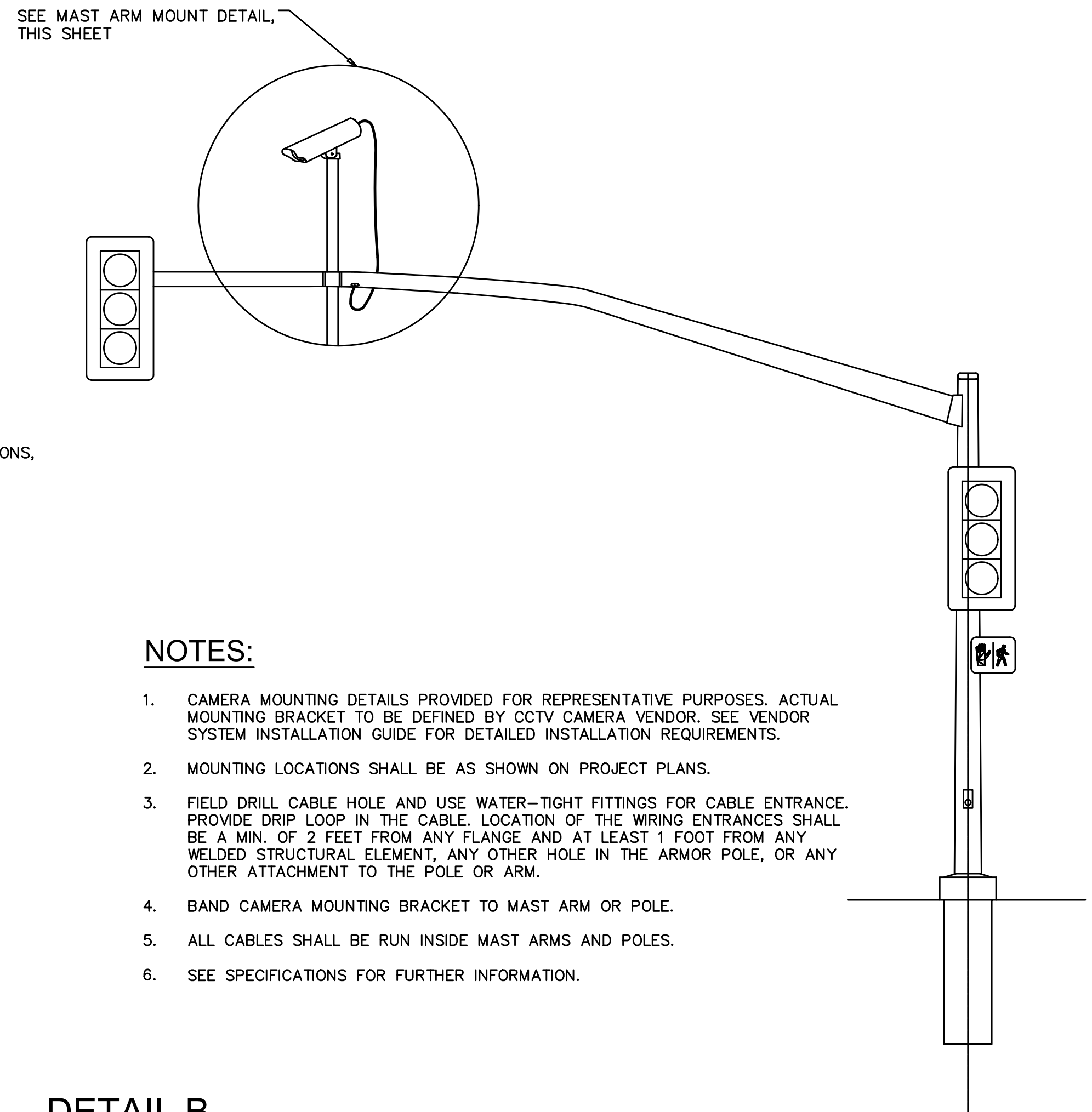
DESIGNED BY: KXR
 DRAWN BY: KXR
 CHECKED BY: MWW
 DATE: FEBRUARY 2024
 PROJECT: 20211837-10
 DWG NO: TSO.1
 SHEET

25 OF 40
 SHEETS

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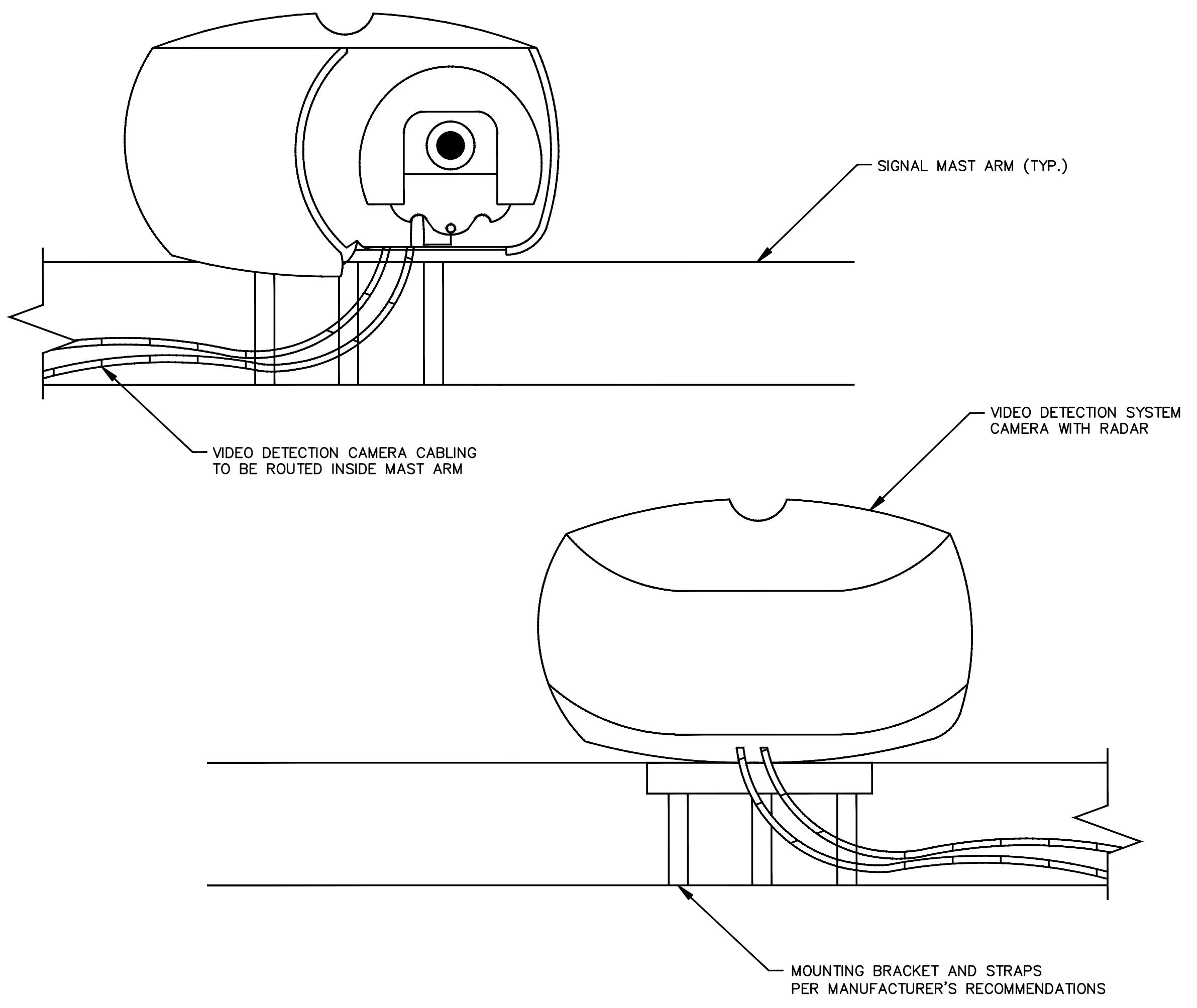
**MAST ARM MOUNT
(REAR VIEW)**



**DETAIL B
VIDEO DETECTION CAMERA MOUNTING DETAIL
NO SCALE**

NOTES:

1. CAMERA MOUNTING DETAILS PROVIDED FOR REPRESENTATIVE PURPOSES. ACTUAL MOUNTING BRACKET TO BE DEFINED BY CCTV CAMERA VENDOR. SEE VENDOR SYSTEM INSTALLATION GUIDE FOR DETAILED INSTALLATION REQUIREMENTS.
2. MOUNTING LOCATIONS SHALL BE AS SHOWN ON PROJECT PLANS.
3. FIELD DRILL CABLE HOLE AND USE WATER-TIGHT FITTINGS FOR CABLE ENTRANCE. PROVIDE DRIP LOOP IN THE CABLE. LOCATION OF THE WIRING ENTRANCES SHALL BE A MIN. OF 2 FEET FROM ANY FLANGE AND AT LEAST 1 FOOT FROM ANY WELDED STRUCTURAL ELEMENT, ANY OTHER HOLE IN THE ARMOR POLE, OR ANY OTHER ATTACHMENT TO THE POLE OR ARM.
4. BAND CAMERA MOUNTING BRACKET TO MAST ARM OR POLE.
5. ALL CABLES SHALL BE RUN INSIDE MAST ARMS AND POLES.
6. SEE SPECIFICATIONS FOR FURTHER INFORMATION.



NOTES:

1. CAMERA SHALL BE MOUNTED MINIMUM 1 FOOT CLEAR OF TRAFFIC SIGNAL HEADS, SIGNS, OR OTHER DEVICES. INSTALLATION SHALL NOT INTERFERE WITH THE MAINTENANCE OR REPLACEMENT OF EXISTING TRAFFIC SIGNAL EQUIPMENT.

**DETAIL A
VIDEO DETECTION CAMERA WITH RADAR MOUNTING
NO SCALE**

CITY OF ROHNERT PARK

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



REV. NO.	DATE	DESCRIPTION	BY

PLANS PREPARED BY:

iteris

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Oakland, CA 94612
Phone: (510) 545-7647

REGISTERED PROFESSIONAL ENGINEER
No. 82548
Exp. 9/30/24
CIVIL
STATE OF CALIFORNIA

2/9/2024

APPROVED:

Vanessa Marin Garrett

DATE: 02/15/2024

VANESSA MARIN GARRETT R.C.E. 84141
CITY ENGINEER, CITY OF ROHNERT PARK
LICENSE EXPIRES SEPTEMBER 25, 2025

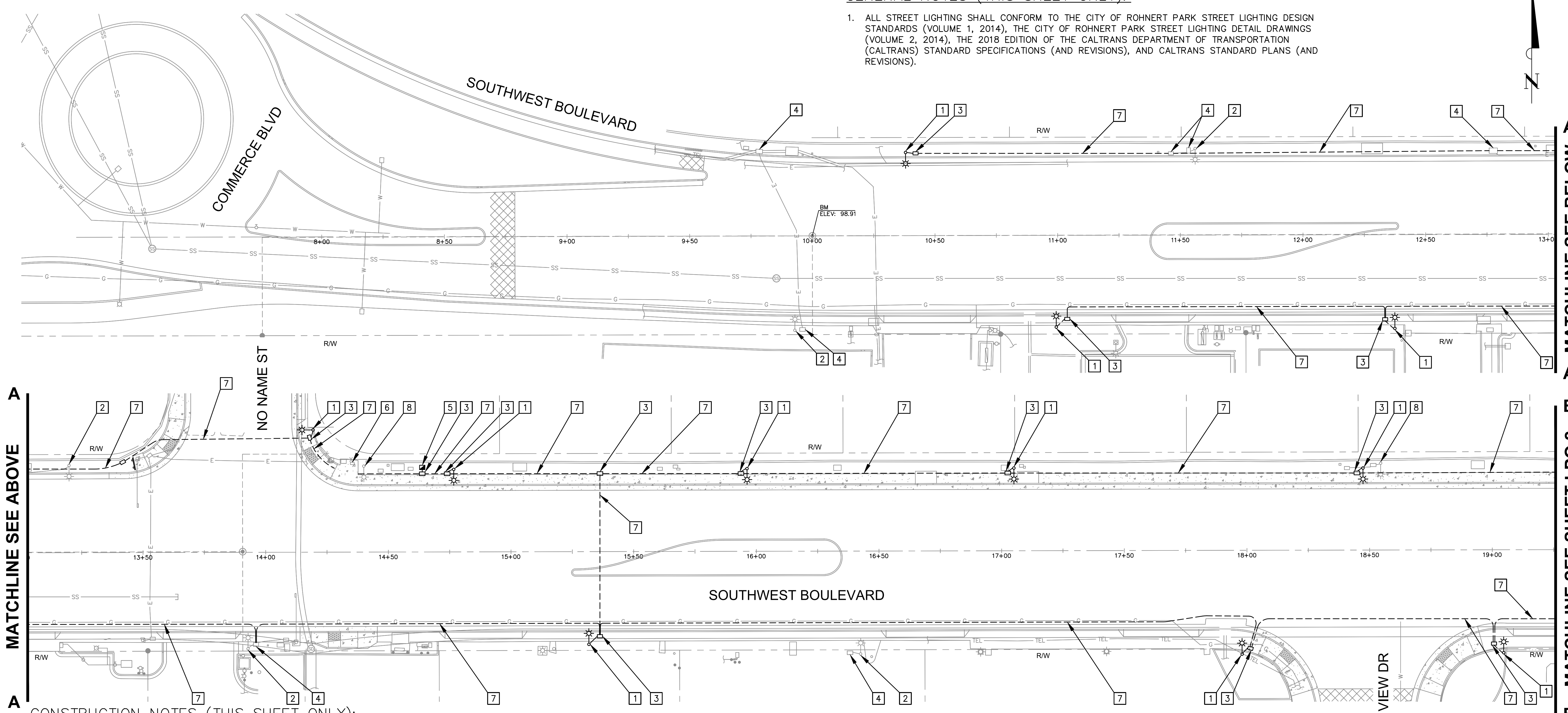
**SOUTHWEST BOULEVARD COMPLETE STREETS
COMMERCE BOULEVARD-ADRIAN DRIVE
PROJECT # 2020-23**

DETAILS

DESIGNED BY: KXR
DRAWN BY: KXR
CHECKED BY: MWW
DATE: FEBRUARY 2024
PROJECT: 20211837-10
DWG NO: TSO.2
SHEET
26 OF 40
SHEETS

GENERAL NOTES (THIS SHEET ONLY):

- ALL STREET LIGHTING SHALL CONFORM TO THE CITY OF ROHNERT PARK STREET LIGHTING DESIGN STANDARDS (VOLUME 1, 2014), THE CITY OF ROHNERT PARK STREET LIGHTING DETAIL DRAWINGS (VOLUME 2, 2014), THE 2018 EDITION OF THE CALTRANS DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD SPECIFICATIONS (AND REVISIONS), AND CALTRANS STANDARD PLANS (AND REVISIONS).



MATCHLINE SEE ABOVE

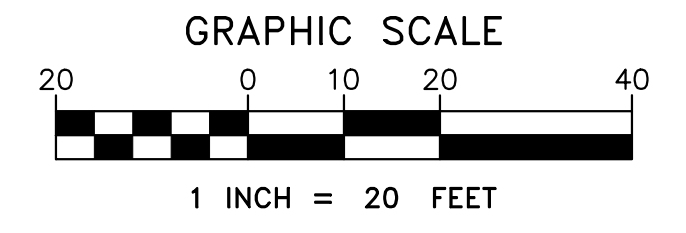
MATCHLINE SEE BELOW

CONSTRUCTION NOTES (THIS SHEET ONLY):

- FURNISH AND INSTALL STREET LIGHT WITH 58W LED LUMINAIRE PER CITY OF ROHNERT PARK STD No. 610.
- EXISTING STREET LIGHT TO REMAIN.
- FURNISH AND INSTALL NO. 5 STREET LIGHT PULL BOX.
- EXISTING STREET LIGHT PULL BOX TO REMAIN.
- FURNISH AND INSTALL TYPE III-B SERVICE PEDESTAL.
- EXISTING SERVICE PEDESTAL TO REMAIN.
- FURNISH AND INSTALL 2" CONDUIT.
- REMOVE AND SALVAGE EXISTING STREET LIGHT.

LEGEND:

- EXISTING STREET LIGHT
- PROPOSED STREET LIGHT
- EXISTING PULL BOX
- PROPOSED PULL BOX
- PROPOSED SERVICE PEDESTAL
- PROPOSED CONDUIT



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



REV. NO.	DATE	DESCRIPTION	BY

PLANS PREPARED BY:

iteris



1899 Harrison St., Suite 1675
 Oakland, CA 94612
 Phone: (510) 540-7647

2/9/2024

APPROVED:

Vanessa Marin Garrett

DATE: 02/15/2024

VANESSA MARIN GARRETT R.C.E. 84141
 CITY ENGINEER, CITY OF ROHNERT PARK
 LICENSE EXPIRES SEPTEMBER 25, 2025

**SOUTHWEST BOULEVARD COMPLETE STREETS
 COMMERCE BOULEVARD-ADRIAN DRIVE**
 PROJECT # 2020-23

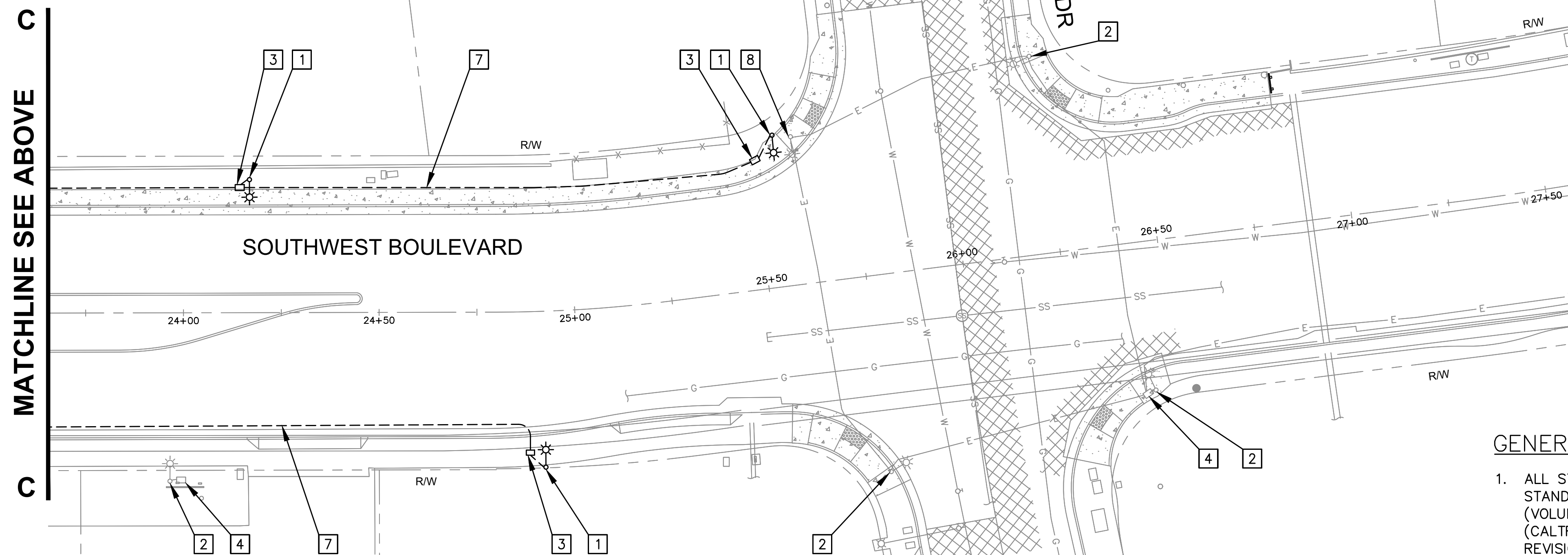
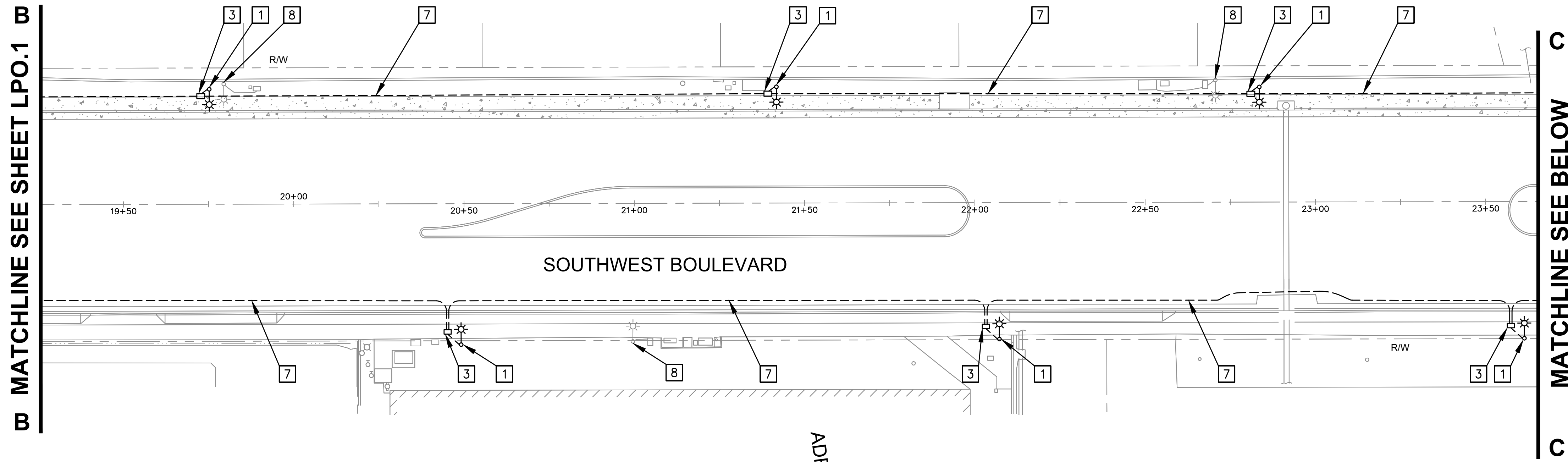
STREET LIGHTING PLAN
 FROM COMMERCE BOULEVARD TO COLLEGE VIEW DRIVE

DESIGNED BY: KXR
 DRAWN BY: KXR
 CHECKED BY: MWW
 DATE: FEBRUARY 2024
 PROJECT: 20211837-10
 DWG NO: LPO.1
 SHEET

27 OF 40
 SHEETS

C:\SHAREPOINT\ITERIS\COMMS - PACIFIC\FY22 - 11\XXX - ROHNERT PARK SOUTHWEST BLVD COMPLETE STREETS\CAD\PLANS\LIGHTING PLAN

C:\SHAREPOINT\ITERIS\INC\IMCS - PACIFIC\FY22-11\XXX - ROHNERT PARK SOUTHWEST BLVD COMPLETE STREET CAD\PLANS\LIGHTING PLAN



GENERAL NOTES (THIS SHEET ONLY):

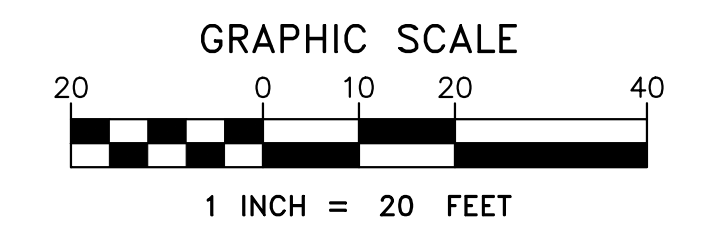
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CONSTRUCTION NOTES (THIS SHEET ONLY):

- 1 FURNISH AND INSTALL STREET LIGHT WITH 58W LED LUMINAIRE PER CITY OF ROHNERT PARK STD No. 610.
- 2 EXISTING STREET LIGHT TO REMAIN.
- 3 FURNISH AND INSTALL NO. 5 STREET LIGHT PULL BOX.
- 4 EXISTING STREET LIGHT PULL BOX TO REMAIN.
- 7 FURNISH AND INSTALL 2" CONDUIT.
- 8 REMOVE AND SALVAGE EXISTING STREET LIGHT.

LEGEND:

- * EXISTING STREET LIGHT
- * PROPOSED STREET LIGHT
- EXISTING PULL BOX
- PROPOSED PULL BOX
- PROPOSED SERVICE PEDESTAL
- PROPOSED CONDUIT



CITY OF ROHNERT PARK

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



REV. NO.	DATE	DESCRIPTION	BY

PLANS PREPARED BY:

iteris

1999 Harrison St., Suite 1675
Oakland, CA 94612
Phone: (510) 440-7647



APPROVED:

Vanessa Marin Garrett

DATE: 02/15/2024

VANESSA MARIN GARRETT R.C.E. 84141
CITY ENGINEER, CITY OF ROHNERT PARK
LICENSE EXPIRES SEPTEMBER 25, 2025

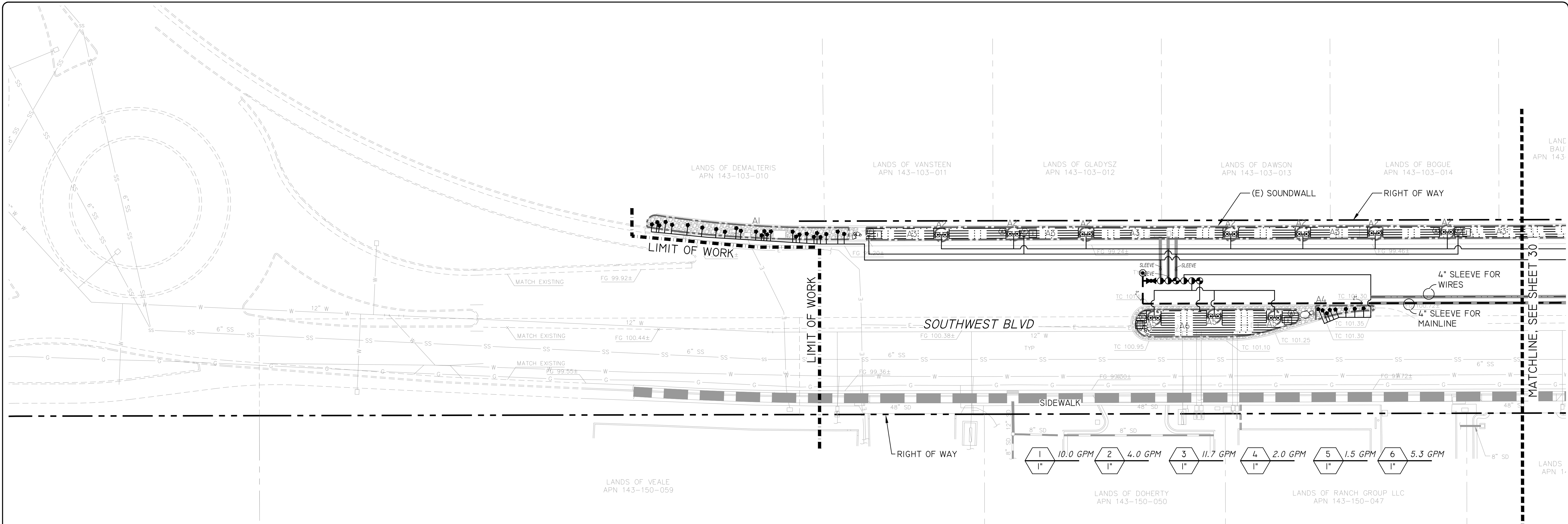
**SOUTHWEST BOULEVARD COMPLETE STREETS
COMMERCE BOULEVARD-ADRIAN DRIVE**

PROJECT # 2020-23

**STREET LIGHTING PLAN
FROM EAST OF COLLEGE VIEW DRIVE TO ADRIAN DRIVE**

DESIGNED BY: KXR
DRAWN BY: KXR
CHECKED BY: MWW
DATE: FEBRUARY 2024
PROJECT: 20211837-10
DWG NO: LPO.2
SHEET

28 OF 40
SHEETS



Estimated Total Water Use

Equation: $ETWU = ET_c \times 0.62 \times (IPE \times HAI/E) + SLA$; Considering precipitation $ETWA = (ET_c \times Epp) \times 0.62 \times (IPE \times HAI/E) + SLA$

Enter values in Plain Old Code

Messages and Warnings

Irrigation Efficiency Default Value for overhead 0.75 and drip 0.81

Plant Water Use Type	Plant Factor
Very Low	0.1-0.1
Low	0.2-0.3
Medium	0.4-0.6
High	0.7-1.0
USA	1.0

Hydrozone	Select System From the Drop-down List (click on cell below)	Plant Water Use Type (i) (Low, medium, high)	Plant Factor (PF)	Hydrozone Area (HA) (ft ²) Without SLA	Irrigation Efficiency (IE)	(PF x HA (ft ²)/IE)
Zone 1	Drip	Low	0.80	550	0.81	264
Zone 2	Drip	Low	0.80	200	0.81	74
Zone 3	Drip	Low	0.80	1,326	0.81	491
Zone 4	Drip	Low	0.80	79	0.81	29
Zone 5	Drip	Low	0.80	75	0.81	28
Zone 6	Drip	Low	0.80	601	0.81	223
Zone 7	Drip	Low	0.80	134	0.81	50
Zone 8	Drip	Low	0.80	200	0.81	74
Zone 9	Drip	Low	0.80	1,491	0.81	552
Zone 10	Drip	Low	0.80	78	0.81	29
Zone 11	Drip	Low	0.80	50	0.81	19
Zone 12	Drip	Low	0.80	695	0.81	257
Zone 13	Drip	Low	0.80	275	0.81	102
Zone 14	Drip	Low	0.80	1,748	0.81	647
Zone 15	Drip	Low	0.80	80	0.81	33
Zone 16	Drip	Low	0.80	150	0.81	56
Zone 17	Drip	Low	0.80	126	0.81	47
Zone 18	Drip	Low	0.80	464	0.81	172
Zone 19	Drip	Low	0.80	1,105	0.81	401
Zone 20	Drip	Low	0.80	112	0.81	41
Zone 21	Drip	Low	0.80	452	0.81	167
SLA						4,128
Sum				11,141		0

Results: MAWA = 109,434

ETWU = 90,118 Gallons
12,047 Cubic Feet
120.4 HCF
0.28 Acre-feet
0.09 Millions of Gallons

ETWU complies with MAWA

HYDROZONE TABLE:

VALVE #	IRRIG. METHOD	WATER USE	AREA (SF)	% OF TOTAL
VALVE #1	BUBBLER	LOW	555	5.0%
VALVE #2	BUBBLER	LOW	200	1.8%
VALVE #3	DRIP	LOW	1,326	11.9%
VALVE #4	BUBBLER	LOW	79	0.7%
VALVE #5	BUBBLER	LOW	75	0.7%
VALVE #6	DRIP	LOW	601	5.4%
VALVE #7	BUBBLER	LOW	134	1.2%
VALVE #8	BUBBLER	LOW	200	1.8%
VALVE #9	DRIP	LOW	1,491	13.4%
VALVE #10	BUBBLER	LOW	78	0.7%
VALVE #11	BUBBLER	LOW	50	0.4%
VALVE #12	DRIP	LOW	695	6.2%
VALVE #13	BUBBLER	LOW	275	2.5%
VALVE #14	DRIP	LOW	1,748	15.7%
VALVE #15	BUBBLER	LOW	90	0.8%
VALVE #16	BUBBLER	LOW	150	1.3%
VALVE #17	DRIP	LOW	126	1.1%
VALVE #18	BUBBLER	LOW	464	4.2%
VALVE #19	DRIP	LOW	1,105	9.9%
VALVE #20	BUBBLER	LOW	112	1.0%
VALVE #21	DRIP	LOW	452	4.1%
TOTAL			11,141	100.0%

SUMMARY HYDROZONE TABLE:

PLANT TYPE	AREA (SF)	% OF LANDSCAPE
LOW WATER USE	11,141	100.0%
MEDIUM WATER USE	0	0.0%
HIGH WATER USE	0	0.0%
TOTAL	11,141	100.0%

IRRIGATION LEGEND

SYMBOL	MODEL	DESCRIPTION
	POINT OF CONNECTION	(SEE CIVIL ENGINEERING PLANS)
	WATER METER:	(SEE CIVIL ENGINEERING PLANS)
	BACKFLOW PREVENTOR	(SEE CIVIL ENGINEERING PLANS)
	WT-MV-150G-SNO	WEATHERTRAK 1.5\"/>
	WT-FS-100-CST	WEATHERTRAK 1\"/>
	WT-PRO3-C-24-SPS	WEATHERTRAK ET PRO3 24 STATION CONTROLLER IN A LIGHT DUTY S.S. FRONT ENTRY PEDESTAL ENCLOSURE.
	TI13-K SERIES	TORO REMOTE CONTROL VALVE
	P-220-26 SERIES	IRRITROL DRIP ZONE KIT WITH IRRITROL 700 SERIES REMOTE CONTROL
	700DK-1-MF SERIES	RAIN BIRD 3/4\"/>
	33-DRC	TORO 33-DRC
	MAIN LINE:	2\"/>
	LATERAL LINE:	3/4\"/>
	SUBSURFACE	
	T-YD-500-34	TORO DRIPLINE AIR RELIEF VALVE
	DL2000	TORO DRIPLINE FLUSH VALVE
	570-DRIP-IND	TORO POP-UP DRIPLINE INDICATOR WITH SIDE INLET.
	DB-15-PC-CV	TORO BUBBLER, 2 BUBBLERS PER TREE. NOZZLE GPM: 0.25, OPERATING PSI: 30
	DB-15-PC-CV	TORO BUBBLER, 1 PER SHRUB. NOZZLE GPM: 0.25, OPERATING PSI: 30
	SLEEVING:	SCHEDULE 40 PVC PLASTIC PIPE. COVER TO BE AS INDICATED IN SPECIFICATIONS OR AS INDICATED ABOVE FOR PIPE DEPTH OF COVER.

MWEO STATEMENT

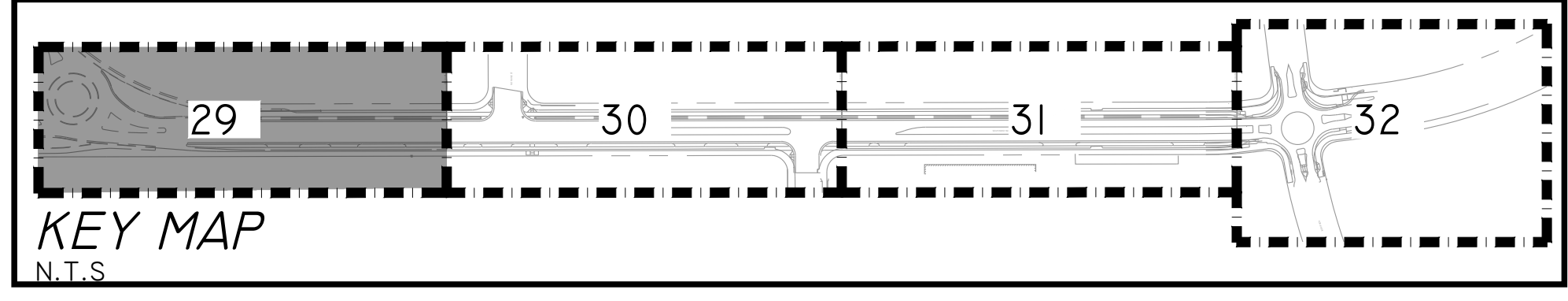
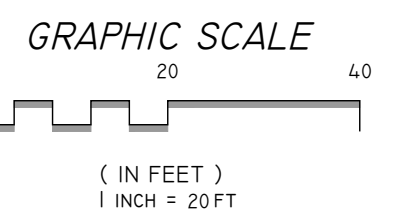
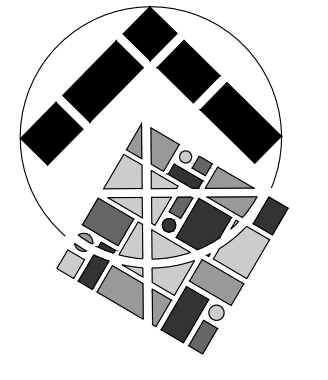
I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION PLAN"

MICHAEL A. COOK
REGISTERED LANDSCAPE ARCHITECT #5123

DATE: 02/05/2024

NOTES

- REFER TO SHEETS 33, 34 & 35 FOR IRRIGATION DETAILS.



CITY OF ROHNERT PARK

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

REV. NO.	DATE	DESCRIPTION	BY

INTEGRA PLANNING+ LANDSCAPE ARCHITECTURE

1506 4TH STREET
SANTA ROSA, CALIFORNIA 95404
707-852-0500
WWW.INTEGRAPLA.COM

APPROVED:

DATE: 02/15/2024

VANESSA MARIN GARRETT R.C.E. 84141
CITY ENGINEER, CITY OF ROHNERT PARK
LICENSE EXPIRES SEPTEMBER 25, 2025

**SOUTHWEST BOULEVARD COMPLETE STREETS
COMMERCE BOULEVARD-ADRIAN DRIVE**

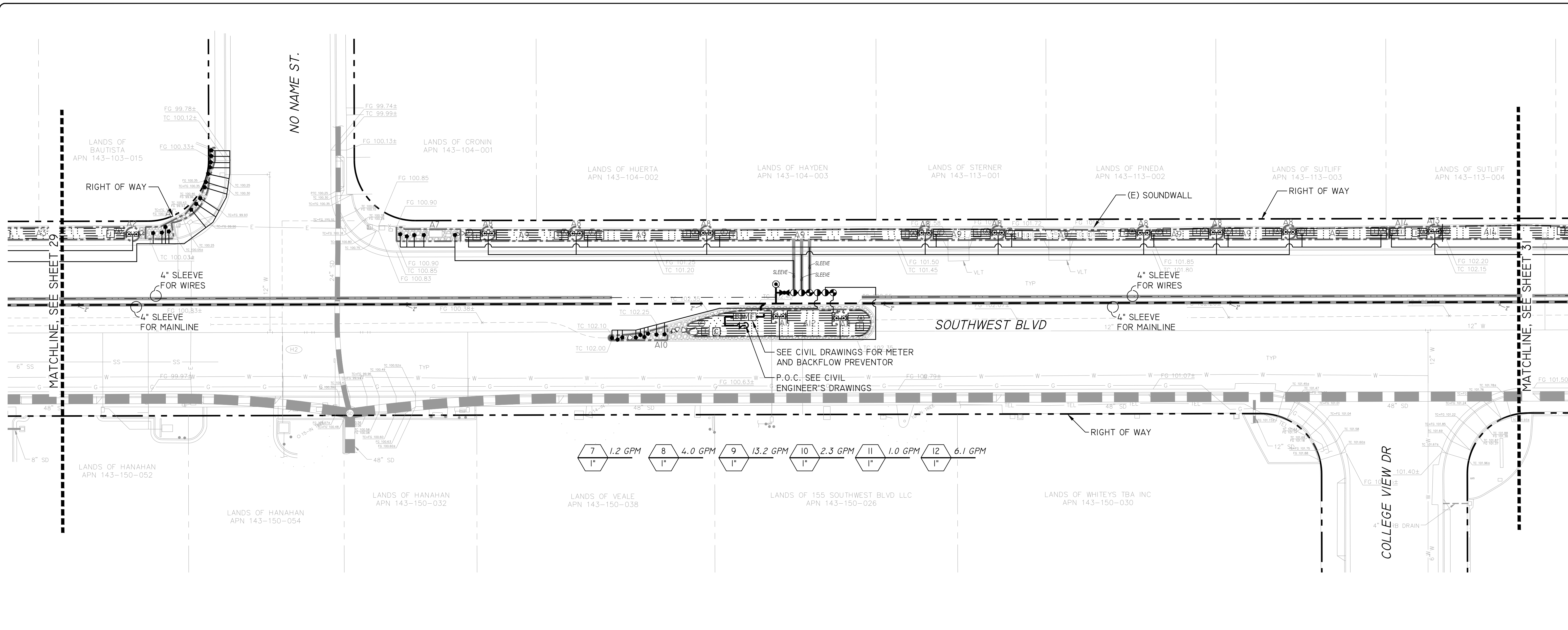
PROJECT # 2020-23

IRRIGATION PLAN

DESIGNED BY: NR
DRAWN BY: DCF
CHECKED BY: MAC
DATE: FEBRUARY 2024
PROJECT: 20211837-10
DWG NO: L1.0
SHEET

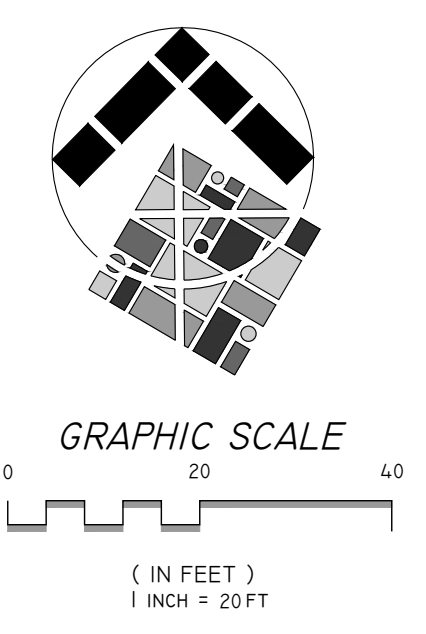
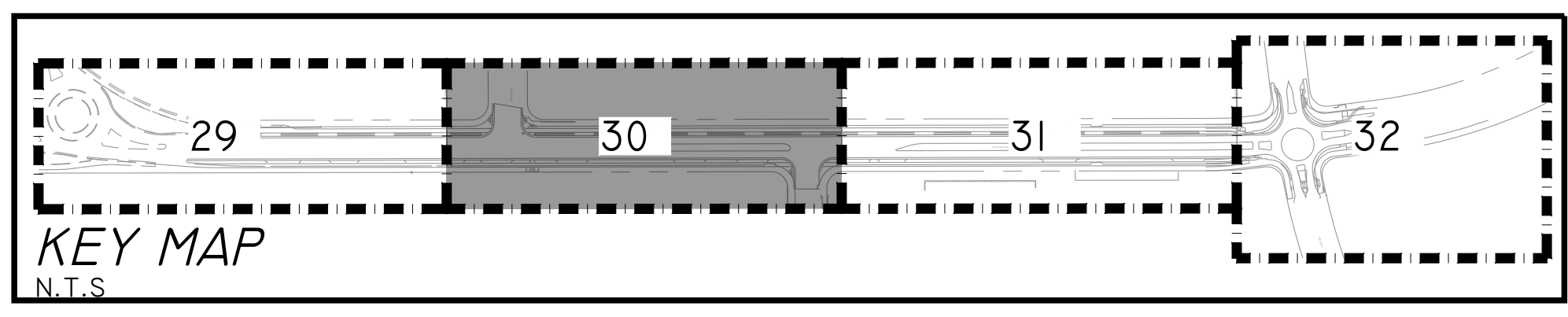
29 OF 40
SHEETS

Feb 08, 2024 - 8:56am G:\Shared drives\Project\Server\21-062.dwg\4_ConstructionDoc\21-062_IRR.dwg




SEE CIVIL DRAWINGS FOR METER AND BACKFLOW PREVENTOR
 P.O.C. SEE CIVIL ENGINEER'S DRAWINGS

NOTES
 I. REFER TO SHEETS 33, 34 & 35 FOR IRRIGATION DETAILS.




Feb 08, 2024 - 8:56am G:\Shared drives\ProjectServer\21-062.dwg\4_ConstructionDoc\21-062_IRR.dwg


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




REV. NO.	DATE	DESCRIPTION	BY



INTEGRA
 PLANNING+
 LANDSCAPE
 ARCHITECTURE
 1506 4TH STREET
 SANTA ROSA, CALIFORNIA 95404
 707-852-0500
 WWW.INTEGRAPLA.COM



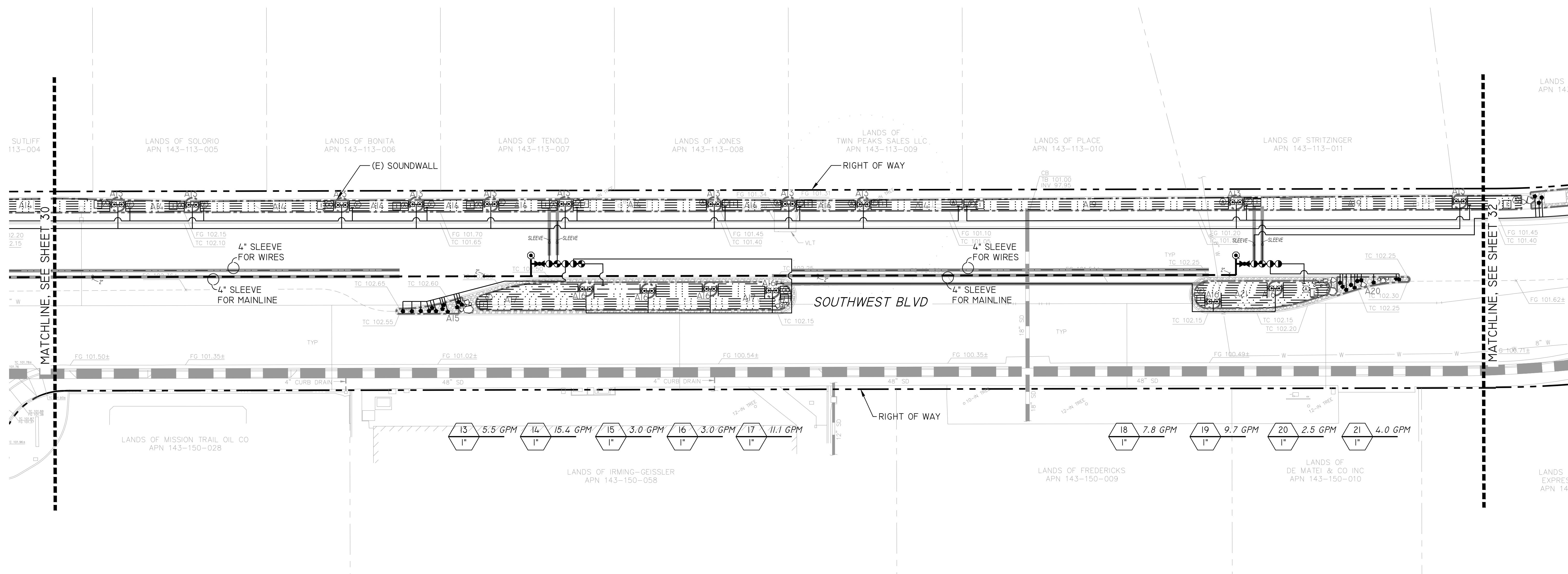
APPROVED:

VANESSA MARIN GARRETT R.C.E. 84141
 CITY ENGINEER, CITY OF ROHNERT PARK
 LICENSE EXPIRES SEPTEMBER 25, 2025

DATE: 02/15/2024

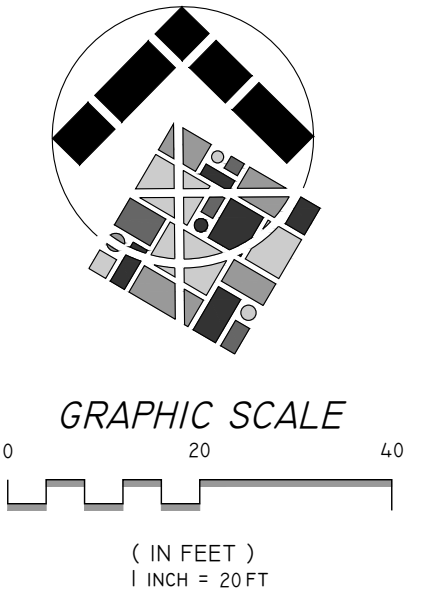
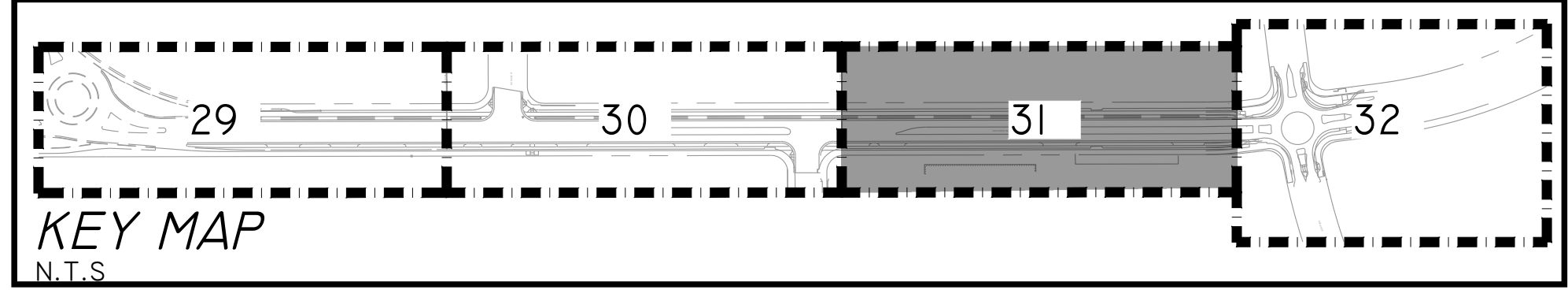
**SOUTHWEST BOULEVARD COMPLETE STREETS
 COMMERCE BOULEVARD-ADRIAN DRIVE
 PROJECT # 2020-23**

IRRIGATION PLAN

DESIGNED BY: NR
 DRAWN BY: DCF
 CHECKED BY: MAC
 DATE: FEBRUARY 2024
 PROJECT: 20211837-10
 DWG NO: L1.1
 SHEET
30 OF 40
 SHEETS



NOTES
 1. REFER TO SHEETS 33, 34 & 35 FOR IRRIGATION DETAILS.




Feb 08, 2024 - 8:56am G:\Shared drives\Project\Server\21-062\dwg\4_Construction\Doc\21-062_IRR.dwg


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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 ARCHITECTURE
 1506 4TH STREET
 SANTA ROSA, CALIFORNIA 95404
 707-852-0500
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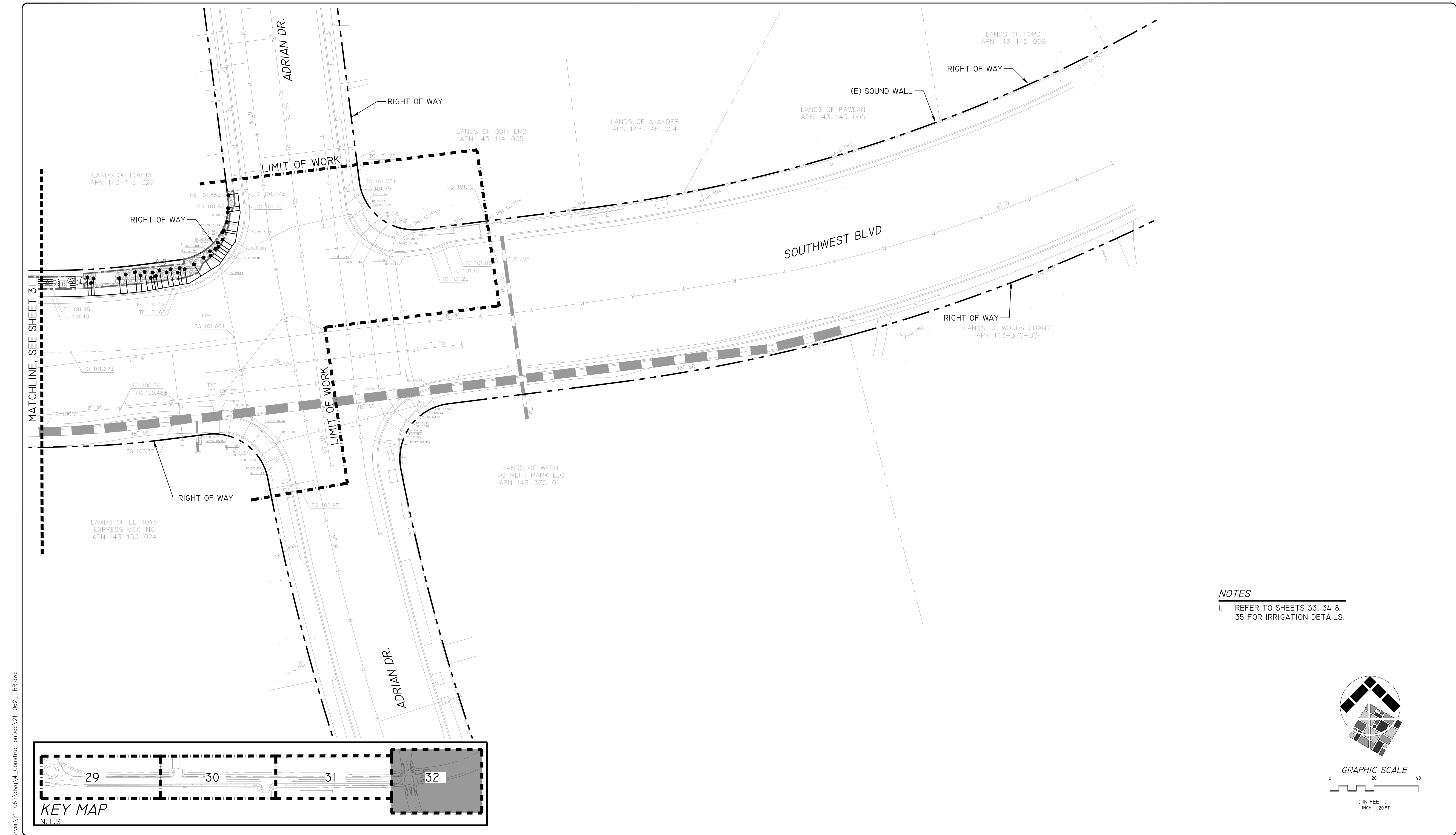
APPROVED:
Vanessa Marin Garrett
VANESSA MARIN GARRETT R.C.E. 84141
 CITY ENGINEER, CITY OF ROHNERT PARK
 LICENSE EXPIRES SEPTEMBER 25, 2025

DATE: 02/15/2024

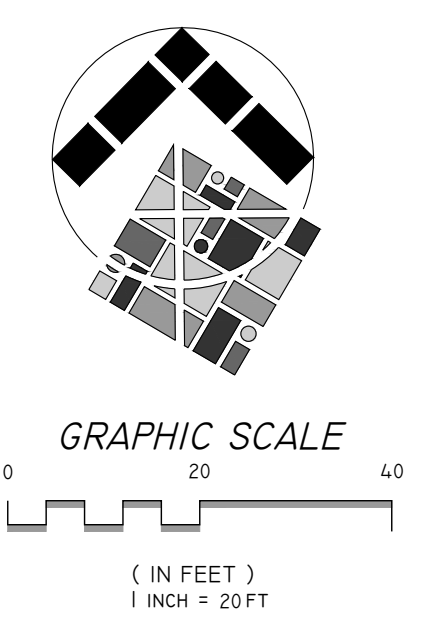
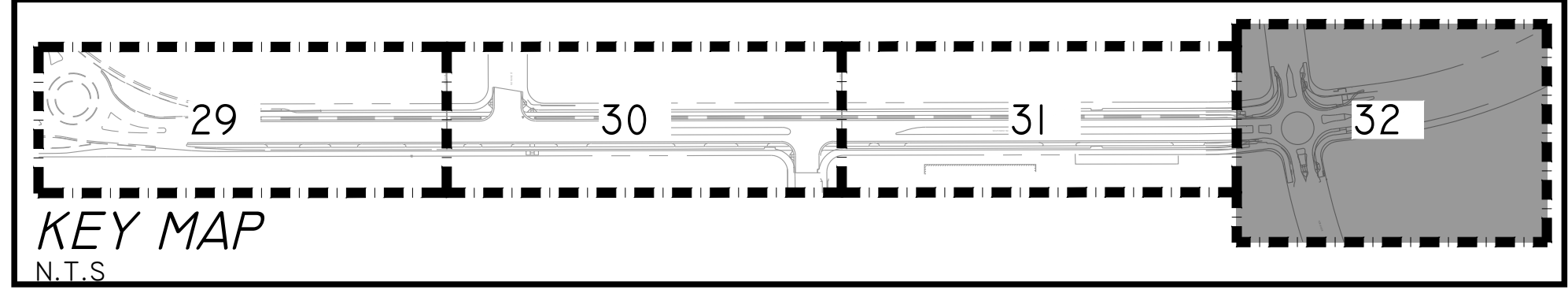
**SOUTHWEST BOULEVARD COMPLETE STREETS
 COMMERCE BOULEVARD-ADRIAN DRIVE
 PROJECT # 2020-23**

IRRIGATION PLAN


DESIGNED BY: NR
 DRAWN BY: DCF
 CHECKED BY: MAC
 DATE: FEBRUARY 2024
 PROJECT: 20211837-10
 DWG NO: L1.2
 SHEET
31 OF 40
 SHEETS




NOTES
 I. REFER TO SHEETS 33, 34 & 35 FOR IRRIGATION DETAILS.




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



REV. NO.	DATE	DESCRIPTION	BY



INTEGRA
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 ARCHITECTURE
 1506 4TH STREET
 SANTA ROSA, CALIFORNIA 95404
 WWW.INTEGRAPLA.COM



Signature: *Vanessa Marin Garrett*
 P.L.A. 5123
 11/30/2024
 02/05/2024
 STATE OF CALIFORNIA

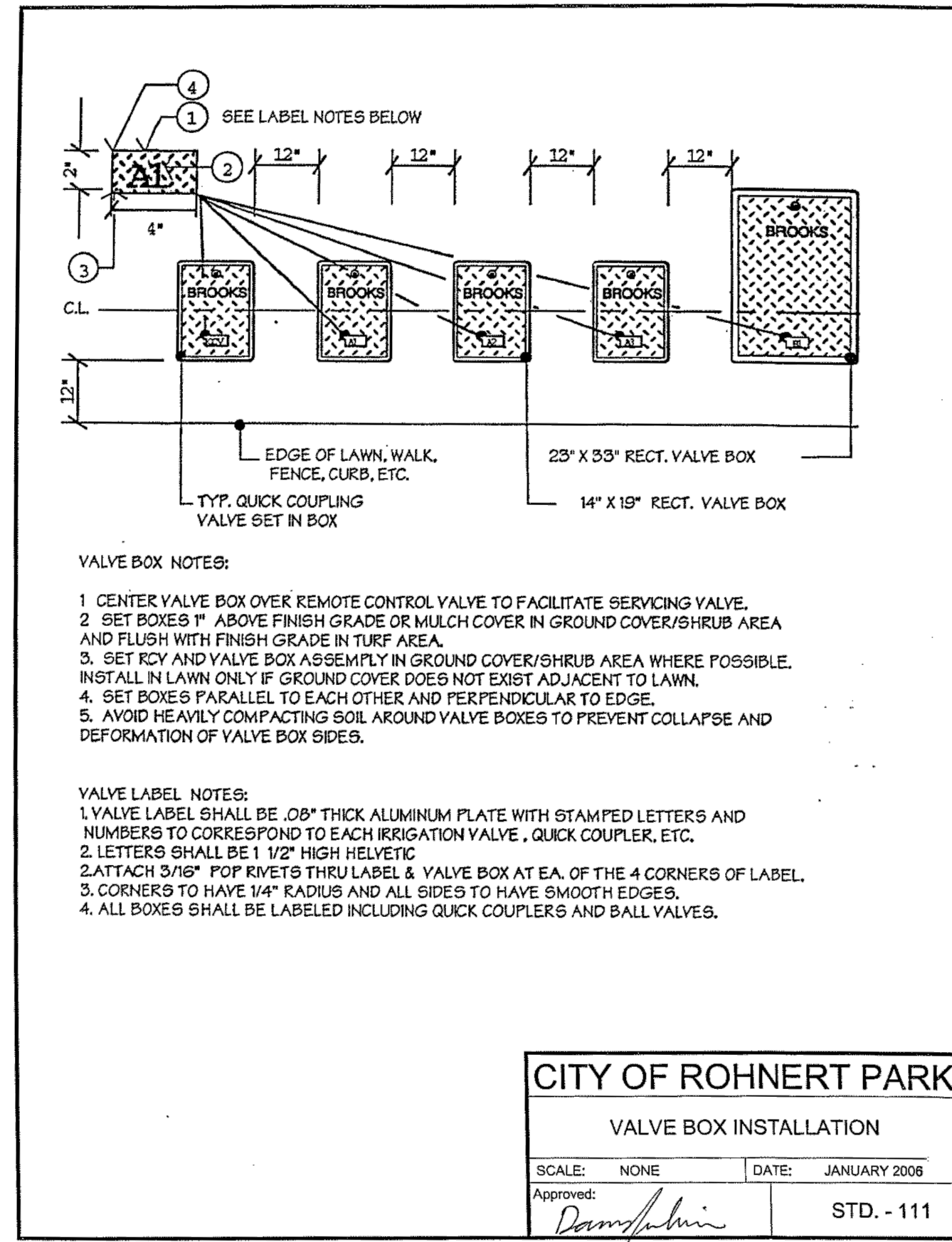
APPROVED:
Vanessa Marin Garrett
VANESSA MARIN GARRETT R.C.E. 84141
 CITY ENGINEER, CITY OF ROHNERT PARK
 LICENSE EXPIRES SEPTEMBER 25, 2025

DATE: 02/15/2024

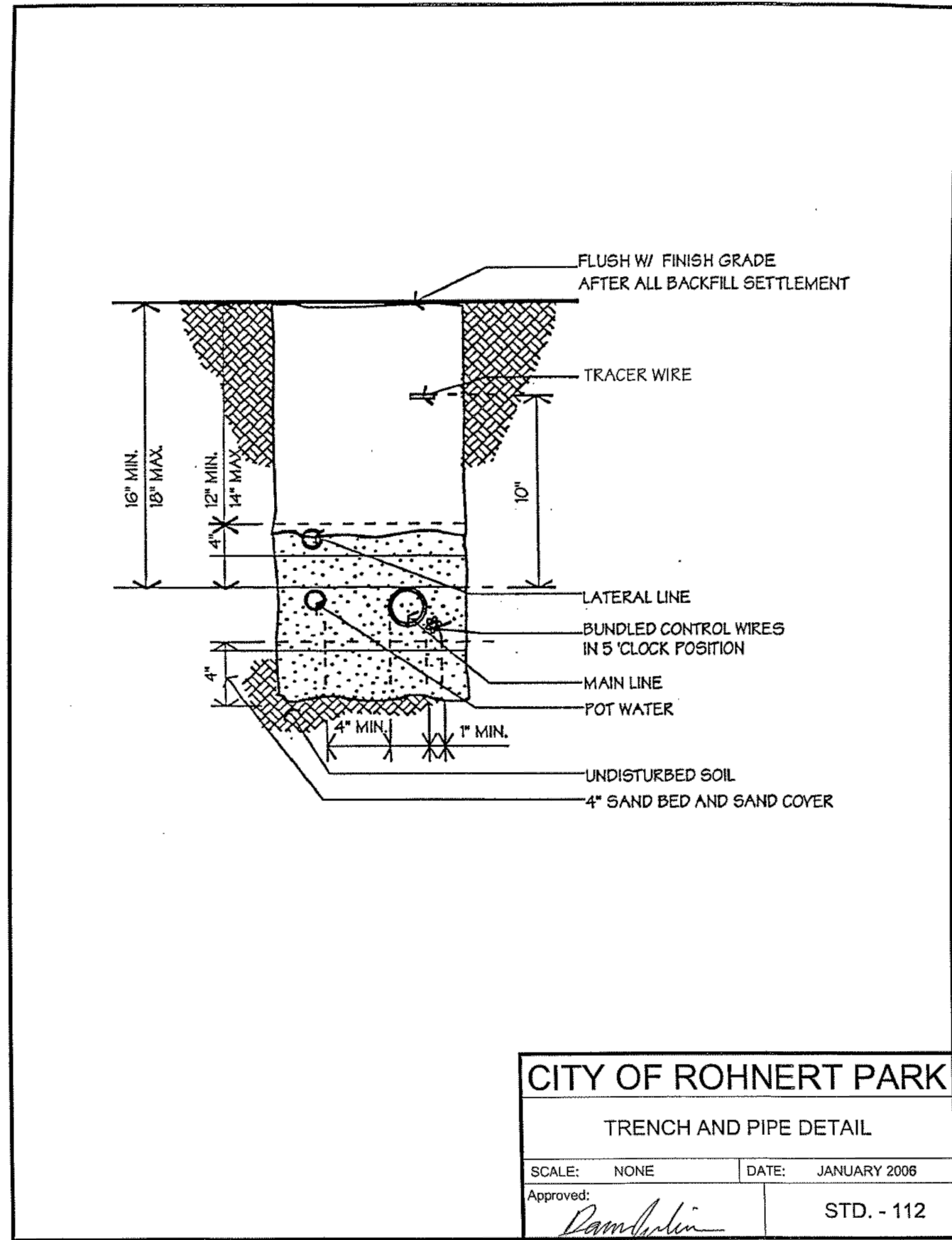
**SOUTHWEST BOULEVARD COMPLETE STREETS
 COMMERCE BOULEVARD-ADRIAN DRIVE**
 PROJECT # 2020-23

IRRIGATION PLAN

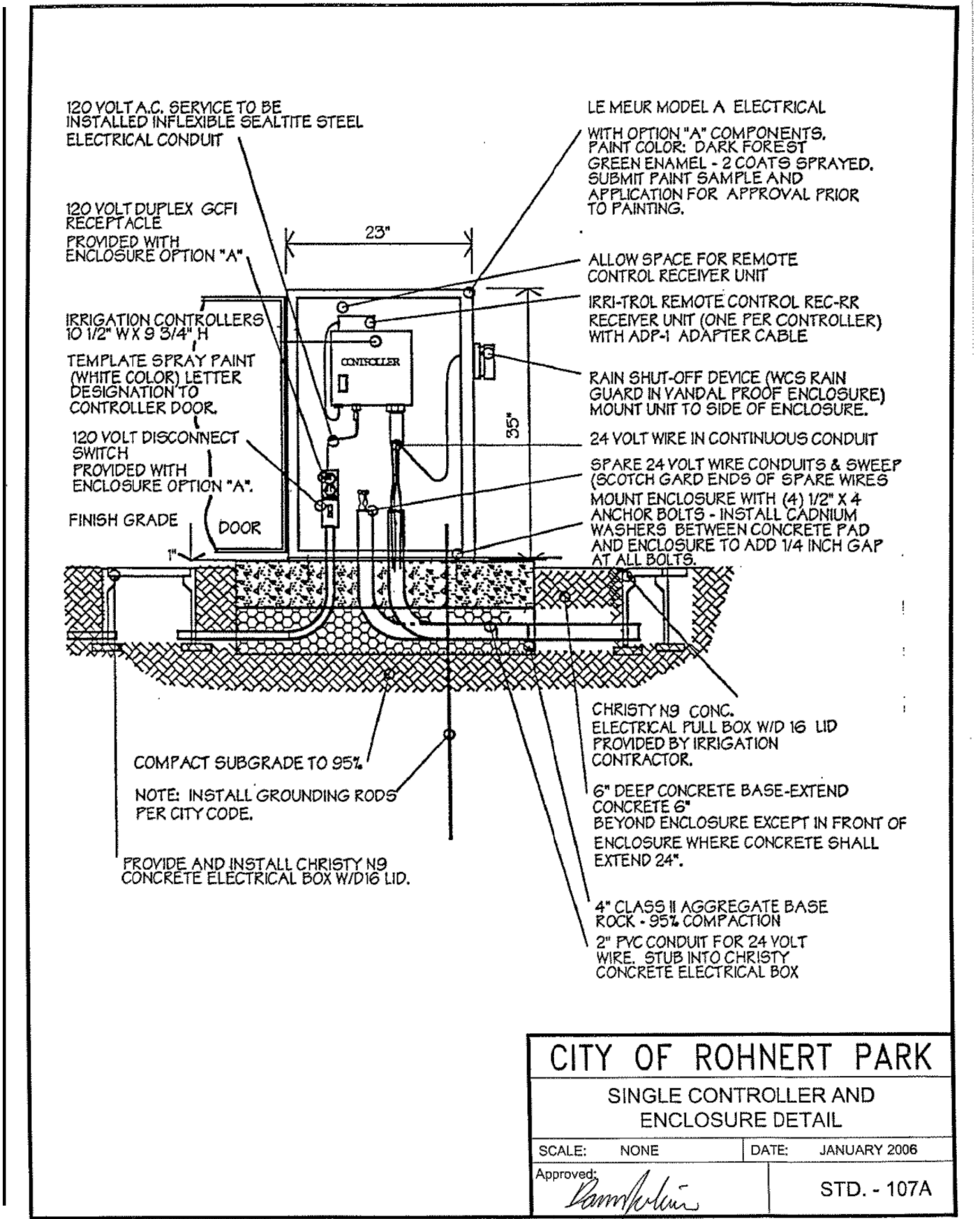
DESIGNED BY: NR
 DRAWN BY: DCF
 CHECKED BY: MAC
 DATE: FEBRUARY 2024
 PROJECT: 20211837-10
 DWG NO: L1.3
 SHEET
32 OF 40
 SHEETS



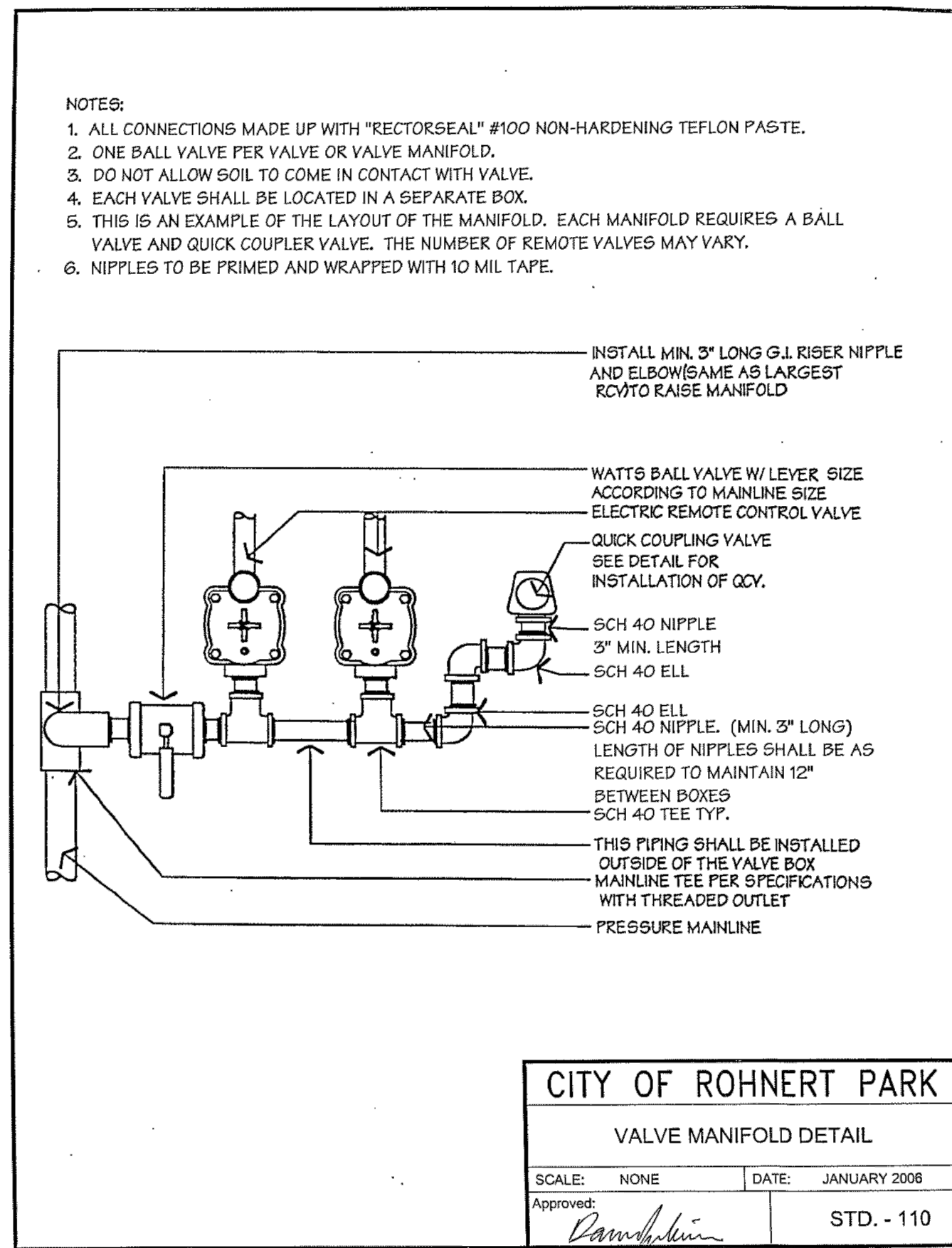
CITY OF ROHNERT PARK
VALVE BOX INSTALLATION
 SCALE: NONE DATE: JANUARY 2008
 Approved: *Damphelin* STD. - 111



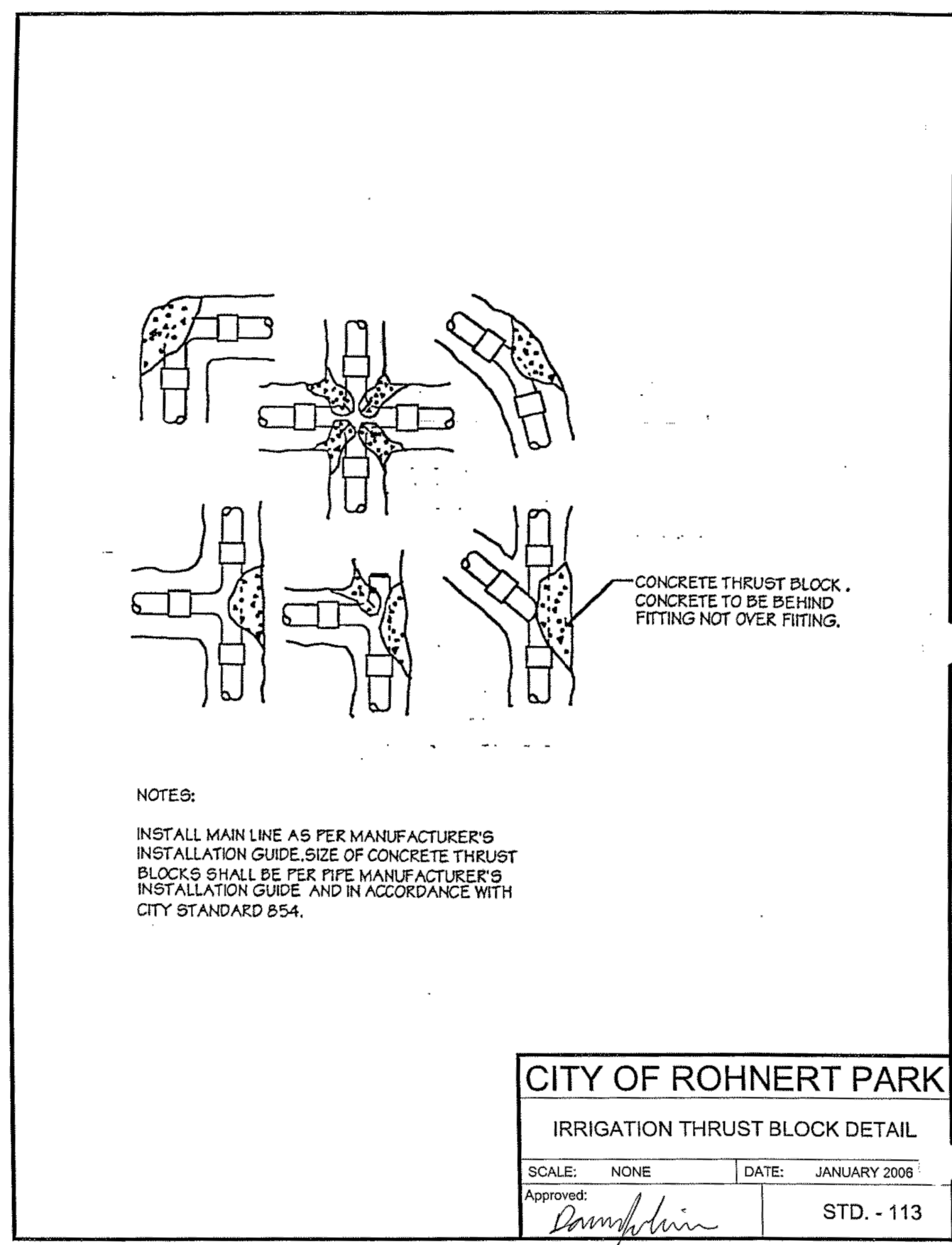
CITY OF ROHNERT PARK
TRENCH AND PIPE DETAIL
 SCALE: NONE DATE: JANUARY 2008
 Approved: *Damphelin* STD. - 112



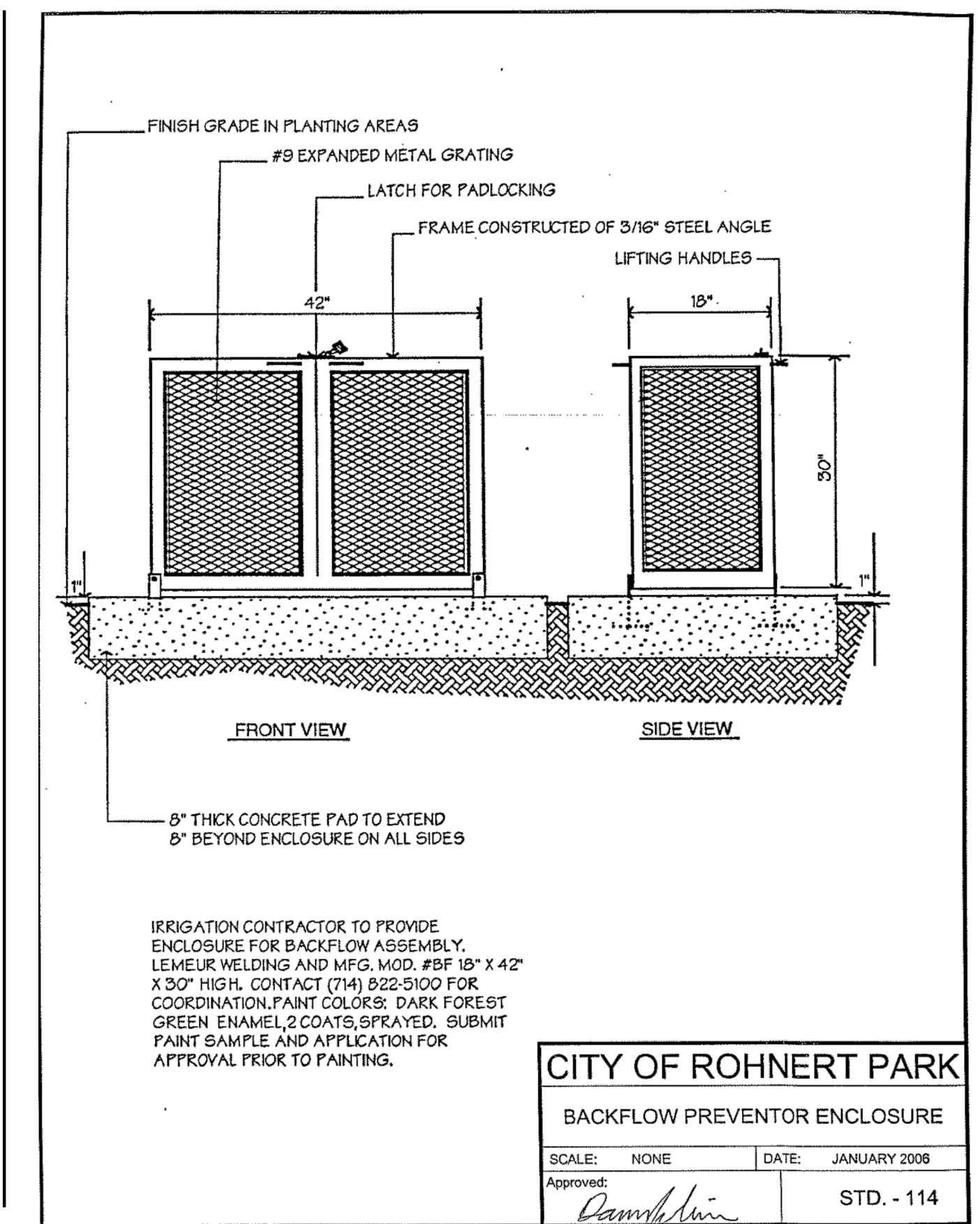
CITY OF ROHNERT PARK
SINGLE CONTROLLER AND ENCLOSURE DETAIL
 SCALE: NONE DATE: JANUARY 2008
 Approved: *Damphelin* STD. - 107A



CITY OF ROHNERT PARK
VALVE MANIFOLD DETAIL
 SCALE: NONE DATE: JANUARY 2008
 Approved: *Damphelin* STD. - 110



CITY OF ROHNERT PARK
IRRIGATION THRUST BLOCK DETAIL
 SCALE: NONE DATE: JANUARY 2008
 Approved: *Damphelin* STD. - 113



CITY OF ROHNERT PARK
BACKFLOW PREVENTOR ENCLOSURE
 SCALE: NONE DATE: JANUARY 2008
 Approved: *Damphelin* STD. - 114

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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

INTEGRA
 PLANNING+
 LANDSCAPE
 ARCHITECTURE
 1506 4TH STREET
 SANTA ROSA, CALIFORNIA 95404
 707-852-0500
 WWW.INTEGRAPLA.COM

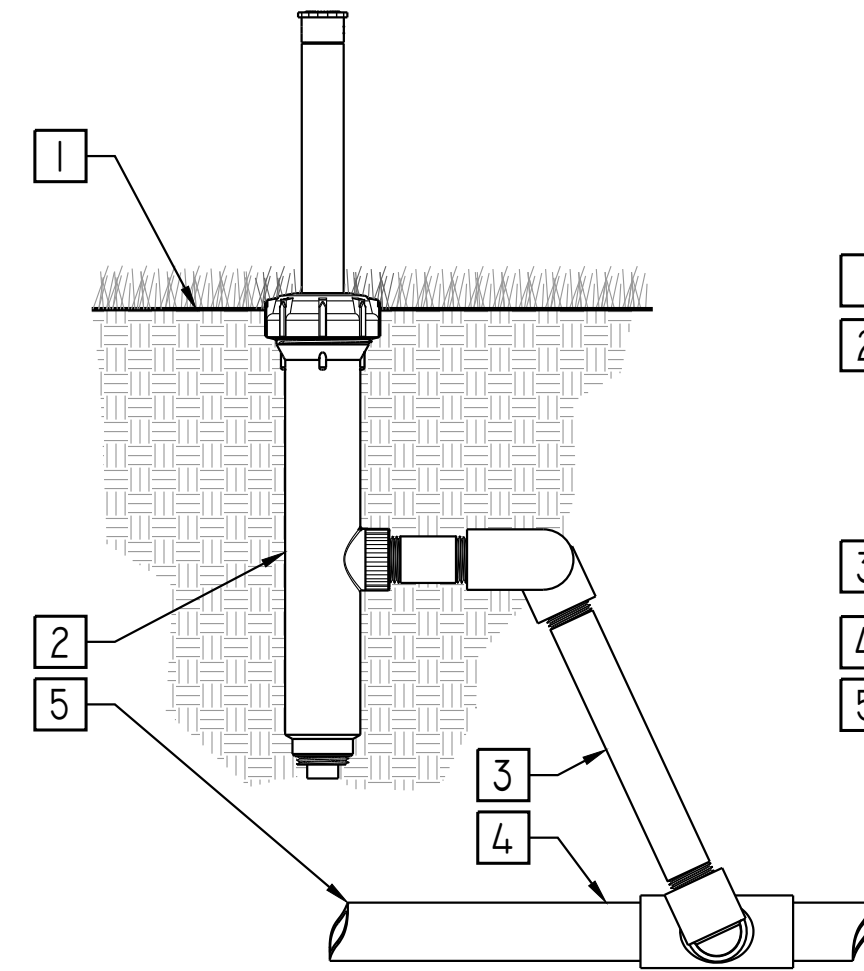
APPROVED:
Vanessa Marin Garrett
VANESSA MARIN GARRETT R.C.E. 84141
 CITY ENGINEER, CITY OF ROHNERT PARK
 LICENSE EXPIRES SEPTEMBER 25, 2025

SOUTHWEST BOULEVARD COMPLETE STREETS
COMMERCE BOULEVARD-ADRIAN DRIVE
 PROJECT # 2020-23

IRRIGATION DETAILS

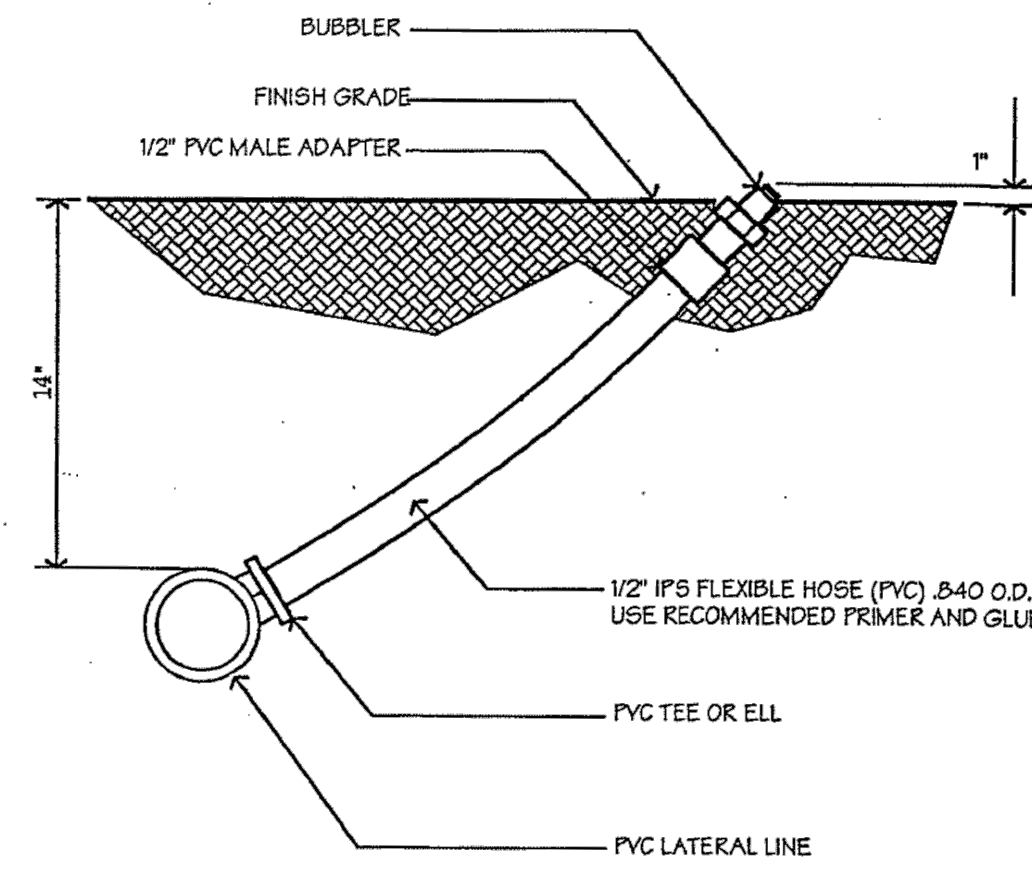
DESIGNED BY: NR
 DRAWN BY: DCF
 CHECKED BY: MAC
 DATE: FEBRUARY 2024
 PROJECT: 20211837-10
 DWG NO: L1.4
 SHEET
33 OF 40
 SHEETS

NOTES:
1. TEFLON TAPE ALL THREADED JOINTS.



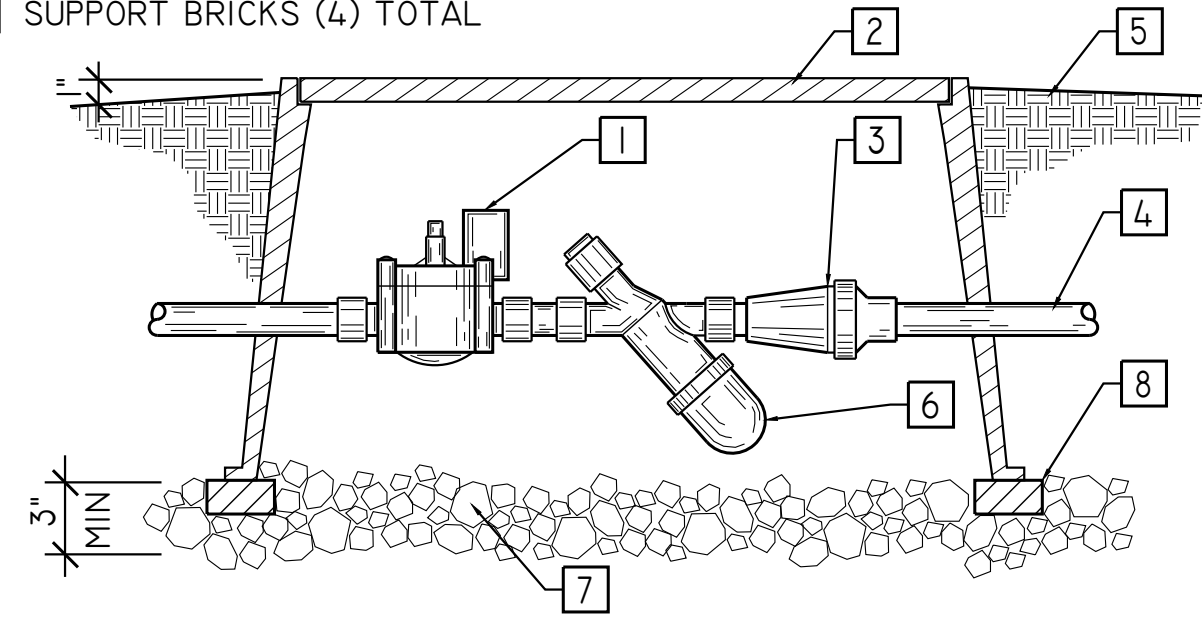
- 1 FINISHED GRADE
- 2 POP-UP DRIP OPERATION INDICATOR ASSEMBLY INSTALLED AT FURTHEST POINT DOWNSTREAM OF ZONE VALVE
- 3 PVC OR SWING PIPE SWING JOINT ASSEMBLY
- 4 PVC DRIP ZONE FOOTER
- 5 DEPTH OF PVC LINE PER SPECIFICATIONS

POP-UP DRIPLINE INDICATOR
SCALE: N.T.S.

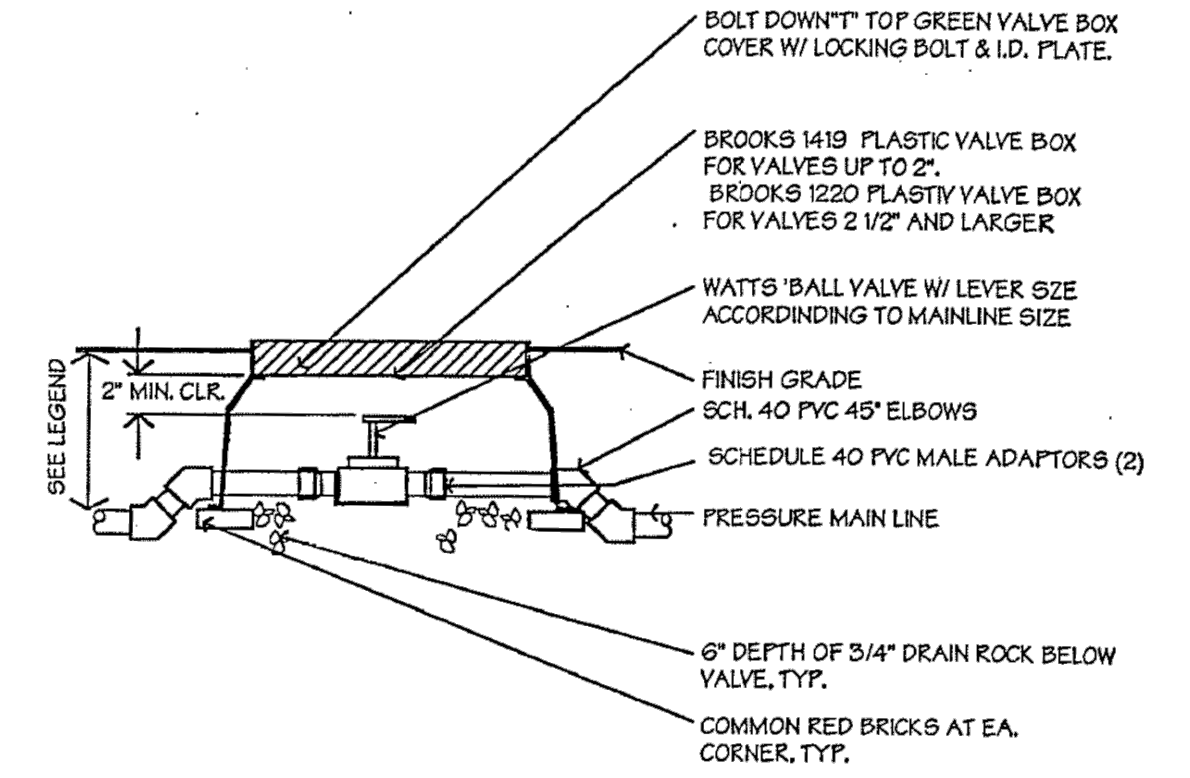


CITY OF ROHNERT PARK
BUBBLER DETAIL
SCALE: NONE DATE: JANUARY 2008
Approved: *Damphelin* STD. - 115

- 1 ELECTRIC VALVE MANUFACTURER & MODEL AS INDICATED IN LEGEND, OR APPROVED EQUAL
- 2 VALVE BOX MANUFACTURER & MODEL AS INDICATED IN LEGEND, OR APPROVED EQUAL
- 3 PRESSURE REGULATOR
- 4 TO EMITTER BOX
- 5 FINISH GRADE
- 6 "Y" STRAINER
- 7 3/4" WASHED AGGREGATE OR GRAVEL
- 8 SUPPORT BRICKS (4) TOTAL



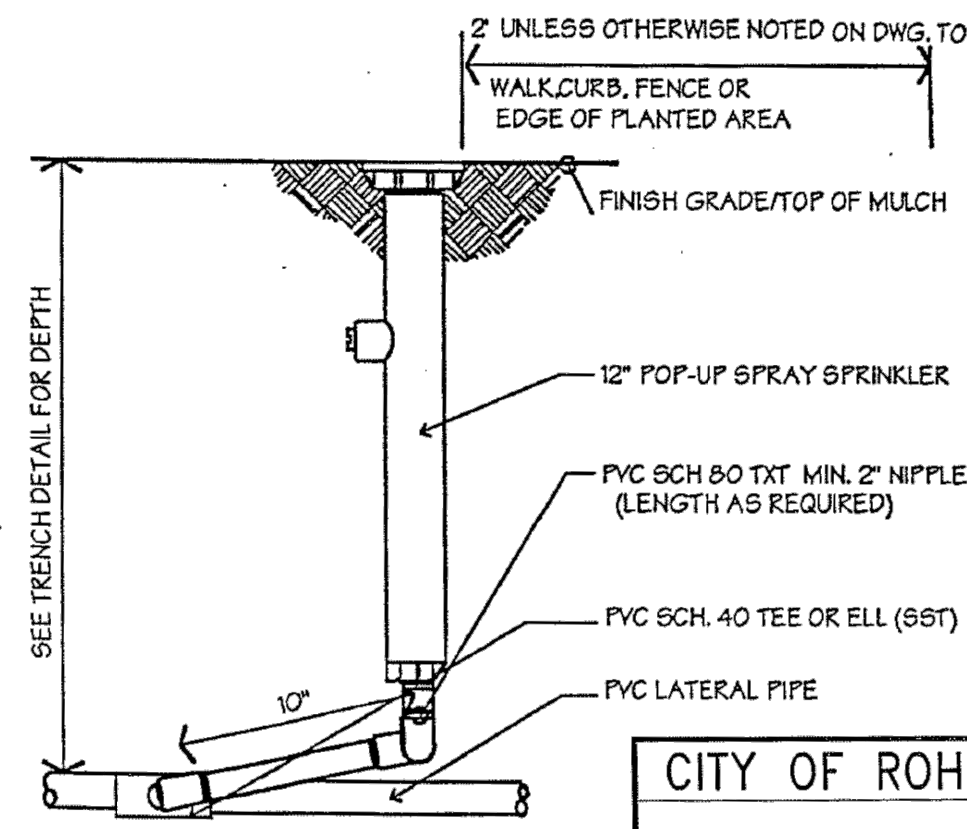
DRIP IRRIGATION VALVE
SCALE: N.T.S.



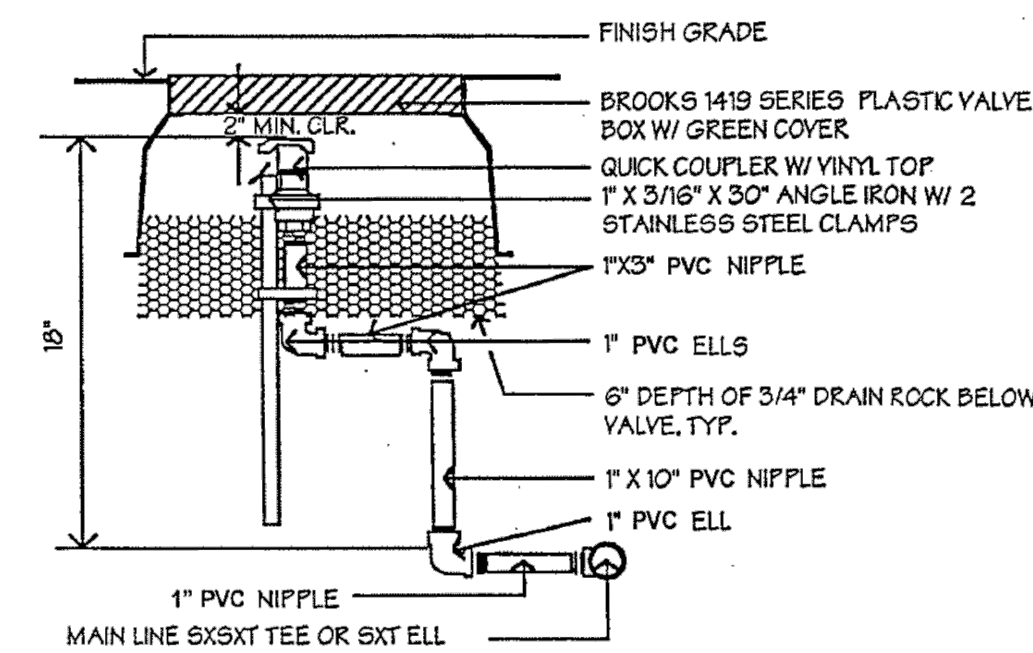
- NOTES:
- 1. ALL CONNECTIONS MADE UP WITH "RECTORSEAL" #100 NON-HARDENING TEFLON PASTE.
 - 2. ONE BALL VALVE PER VALVE OR VALVE MANIFOLD.
 - 3. DO NOT ALLOW SOIL TO COME IN CONTACT WITH VALVE.
 - 4. DO NOT ALLOW VALVE BOX TO REST ON PIPING.
 - 5. SET BOX 2" ABOVE FINISH GRADE IN MULCH AREAS AND 1" ABOVE SOIL IN TURF AREAS.

CITY OF ROHNERT PARK
BALL VALVE DETAIL
SCALE: NONE DATE: JANUARY 2008
Approved: *Damphelin* STD. - 109

- NOTES:
- 1. UNLESS OTHERWISE NOTED, ALL FITTINGS ARE TO BE THE SAME IPT SIZE AS THE SPRINKLER IPT INLET THREA DSIZE.
 - 2. SPRINKLER IS TO BE INSTALLED PERPENDICULAR TO EXISTING GRADE UNLESS FIELD CONDITIONS REQUIRE ADJUSTMENT.
 - 3. SWING JOINT ASSEMBLY:
A. O-RING JOINTS MUST BE FINGER TIGHTENED AND THEN BACKED OFF ONE FULL TURN TO ALLOW WING ACTION.
B. CUT AND SOLVENT WELD SCHEDULE 40 PVC PIPE TO PROVIDE 10 INCHES BETWEEN CENTER LINES OF ELBOWS ON SWING ARM.
C. FOLLOW APPROVED PROCEDURES FOR SOLVENT WELDING AS PER ASTM D2955-01.
 - 4. CONTRACTOR MAY SUBMIT FOR APPROVAL EQUAL SUBSTITUTE EQUIPMENT FOR ALL SPECIFIED PROPRIETARY EQUIPMENT.
 - 5. USE LASCO PVC SWING JOINT KIT OR EQUAL (MPT INLET X FIT OUTLET), LASCO PART NO: (1/2") TS24-100; (3/4") T724-100.
 - 6. INSTALL TOP OF SPRINKLER FLUSH WITH FINISHED SOIL GRADE

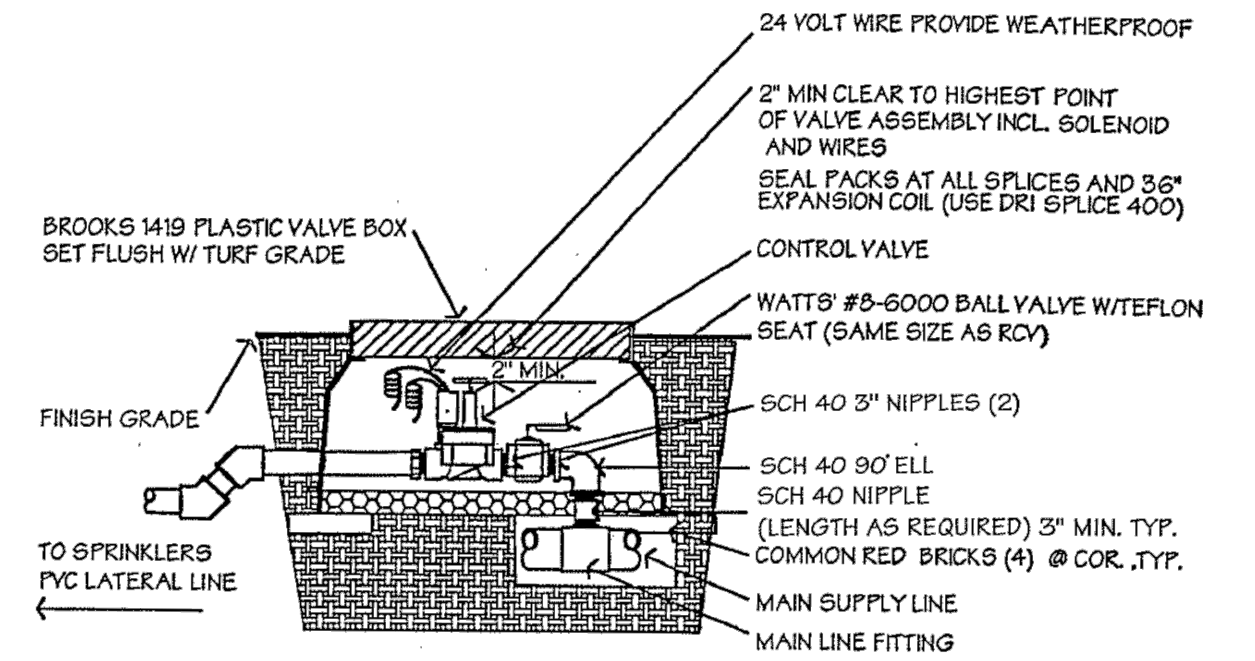


CITY OF ROHNERT PARK
HIGH POP-UP SPRAY SPRINKLER DETAIL
SCALE: NONE DATE: JANUARY 2008
Approved: *Damphelin* STD. - 104A

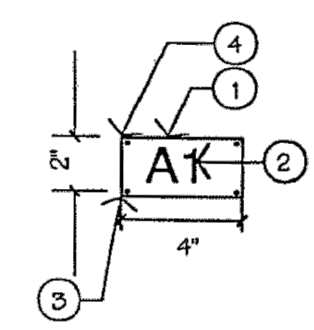


- NOTES:
- 1. PIPE SHALL BE PVC SCH 80 PIPE, NSF 81 APPROVED, TYPE 1 GRADE 1 OR CLASS 12454-B, ASTM D1784 AND ASTM D1785.
 - 2. FITTINGS SHALL BE SOCRET TYPE, ASTM D2467, NSF 61 APPROVED.
 - 3. JOINTS SHALL BE SOLVENT WELDED PER ASTM D2564 AND ASTM D2855.

CITY OF ROHNERT PARK
QUICK COUPLER VALVE DETAIL
SCALE: NONE DATE: JANUARY 2008
Approved: *Damphelin* STD. - 103



- NOTES:
- 1. ALL CONNECTIONS MADE UP WITH "RECTORSEAL" #100 NON-HARDENING TEFLON PASTE.
 - 2. ONE BALL VALVE PER VALVE OR VALVE MANIFOLD.
 - 3. DO NOT ALLOW SOIL TO COME IN CONTACT WITH VALVE.



- VALVE LABEL NOTES:
- 1. VALVE LABEL SHALL BE .08" THICK 2" X 4" ALUMINUM PLATE WITH STAMPED LETTERS AND NUMBERS TO CORRESPOND TO EACH IRRIGATION VALVE, QUICK COUPLER, ETC.
 - 2. LETTERS SHALL BE 1/2" HIGH HELVETIC. ATTACH 3/16" POP RIVETS THRU LABEL & VALVE BOX AT EA. OF THE 4 CORNERS OF LABEL ROUTED NUMBERS TO BE .040 DEEP PAINTED WITH GREEN ENAMEL
 - 3. CORNERS TO HAVE 1/4" RADIUS AND ALL SIDES TO HAVE SMOOTH EDGES.
 - 4. ALL BOXES SHALL BE LABELED INCLUDING QUICK COUPLERS AND BALL VALVES.

CITY OF ROHNERT PARK
REMOTE CONTROL VALVE DETAIL
SCALE: NONE DATE: JANUARY 2008
Approved: *Damphelin* STD. - 106

Feb 08, 2024 - 8:56am G:\Shared drives\Project\Server\21-062.dwg\4_ConstructionDoc\21-062_LDL.dwg

CITY OF ROHNERT PARK

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



REV. NO.	DATE	DESCRIPTION	BY

INTEGRA
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SANTA ROSA, CALIFORNIA 95404
707-852-0500
WWW.INTEGRAPLA.COM

LANDSCAPE ARCHITECT
A. COOK
P.L.A. 5123
Signature: *A. Cook*
11/30/2024
02/05/2024
STATE OF CALIFORNIA

APPROVED:
Vanessa Marin Garrett
DATE: 02/15/2024
VANESSA MARIN GARRETT R.C.E. 84141
CITY ENGINEER, CITY OF ROHNERT PARK
LICENSE EXPIRES SEPTEMBER 25, 2025

**SOUTHWEST BOULEVARD COMPLETE STREETS
COMMERCE BOULEVARD-ADRIAN DRIVE
PROJECT # 2020-23**

IRRIGATION DETAILS

DESIGNED BY: NR
DRAWN BY: DCF
CHECKED BY: MAC
DATE: FEBRUARY 2024
PROJECT: 20211837-10
DWG NO: L1.5
SHEET
34 OF 40
SHEETS

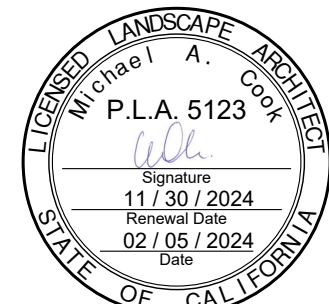
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CITY OF ROHNERT PARK

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



REV. NO.	DATE	DESCRIPTION	BY

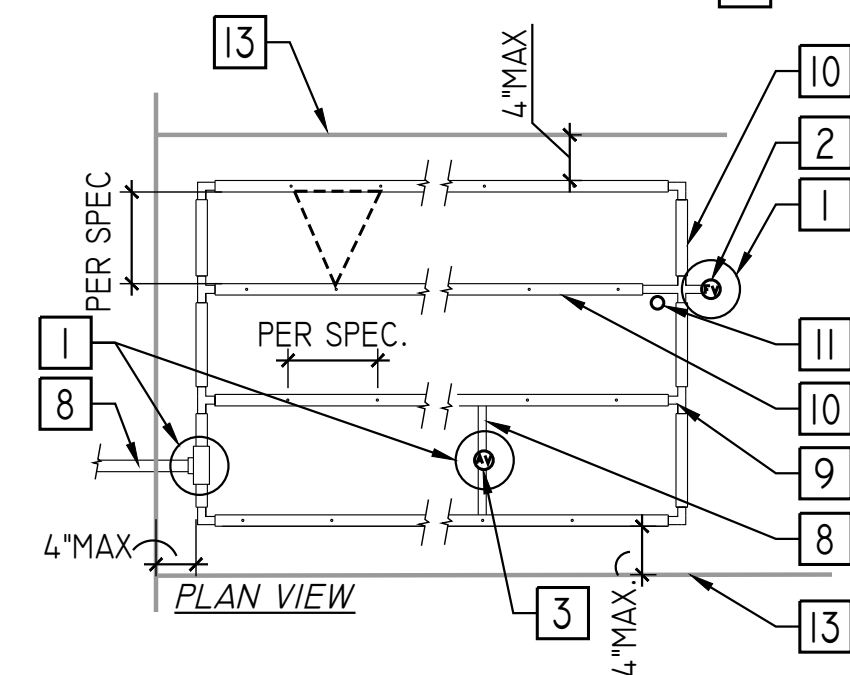
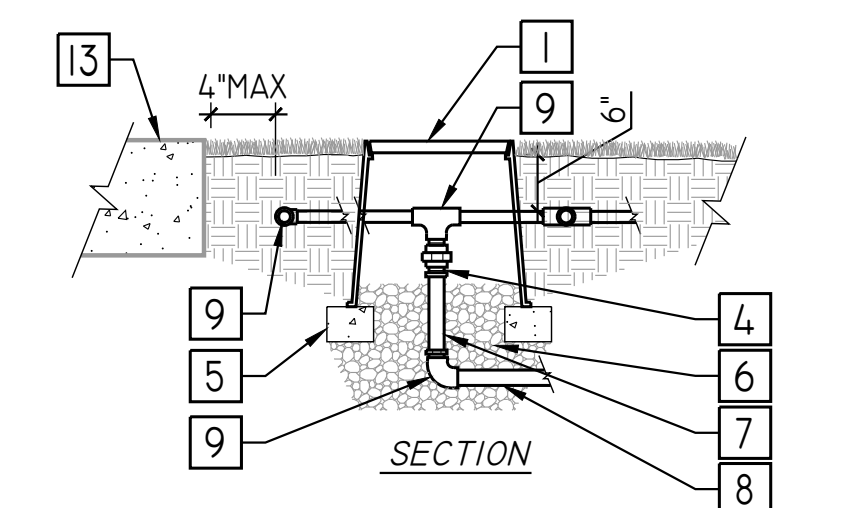


APPROVED:
Vanessa Marin Garrett
DATE: 02/15/2024
VANESSA MARIN GARRETT R.C.E. 84141
CITY ENGINEER, CITY OF ROHNERT PARK
LICENSE EXPIRES SEPTEMBER 25, 2025

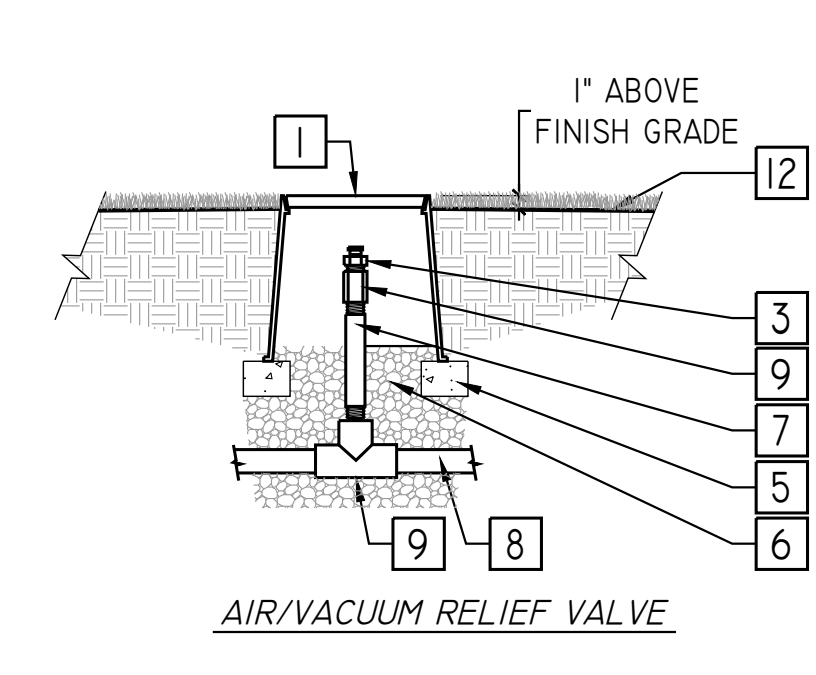
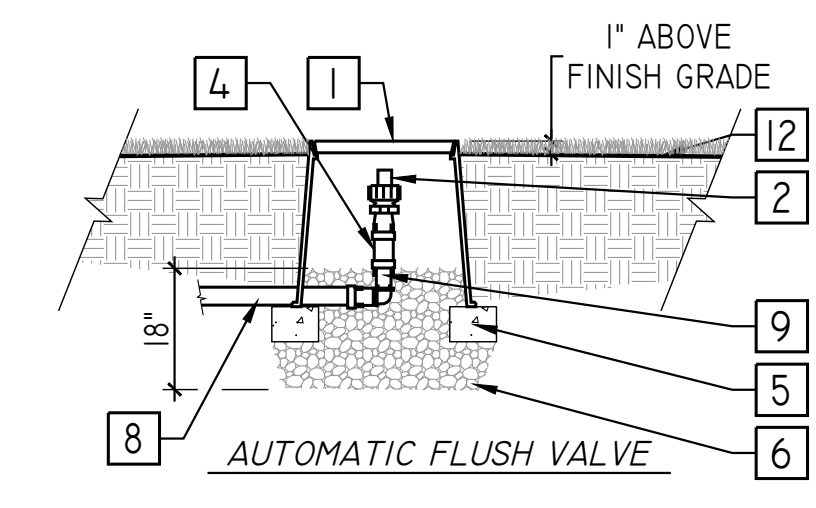
SOUTHWEST BOULEVARD COMPLETE STREETS COMMERCE BOULEVARD-ADRIAN DRIVE PROJECT # 2020-23

IRRIGATION DETAILS

DESIGNED BY: NR
DRAWN BY: DCF
CHECKED BY: MAC
DATE: FEBRUARY 2024
PROJECT: 20211837-10
DWG NO: L1.6
SHEET
35 OF 40
SHEETS

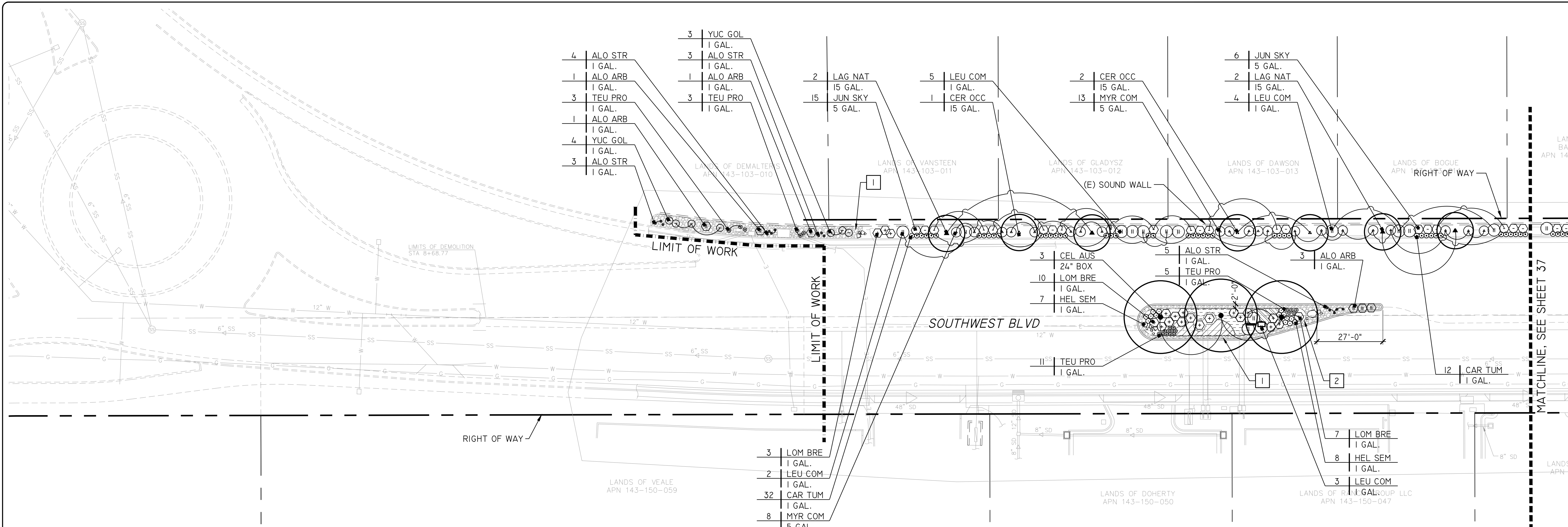


SUBSURFACE DRIP
SCALE: N.T.S



- 1 6" ROUND PLASTIC VALVE BOX, HEAT BRAND "AV" ON LID 1" HIGH CHARACTERS
- 2 AUTOMATIC FLUSH VALVE PLUMBED TO FLUSH MANIFOLD AT LOW POINT
- 3 AIR/VACUUM RELIEF VALVE PLUMBED TO PVC AT EACH HIGH POINT
- 4 1/2" SCH.80 PVC NIPPLE (LENGTH AS REQ'D)
- 5 BRICK SUPPORTS (TWO COMMON BRICKS REQUIRED)
- 6 6" OF 3/4" WASHED GRAVEL
- 7 1/2" SCH.80 PVC NIPPLE (LENGTH AS REQUIRED)
- 8 PVC PIPING
- 9 PVC FITTING
- 10 SUBSURFACE DRIP TUBING
- 11 OPERATION INDICATOR
- 12 FINISH GRADE
- 13 CONCRETE OR HEADER

NOTES:
1. USE ONE AIR RELIEF VALVE FOR EVERY 7-GPM PER ZONE. LOCATE AT HIGHPOINT.
2. USE ONE FLUSH VALVE FOR EVERY 7-GPM PER ZONE. LOCATE AT LOW POINTS. FLUSH RATE IS 0.8-GPM FLUSH PRESSURE IS 2 PSI.



PLANTING LEGEND

ABBREV.	BOTANICAL NAME	COMMON NAME	WUCOLS	SIZE	QTY	REMARKS/SPACING
MEDIAN TREE						
CEL AUS	CELTIS AUSTRALIS	HACKBERRY	L	24" BOX	8	SINGLE TRUNK
ACCENT TREES						
LAG NAT	LAGERSTROEMIA 'NATCHEZ'	CRAPE MYRTLE	L	15 GAL.	11	SINGLE TRUNK
CER OCC	CERCIS OCCIDENTALIS	WESTERN REDBUD	L	15 GAL.	10	SINGLE TRUNK
SHRUBS						
CEA CON	CEANOTHUS 'CONCHA'	CALIFORNIA LILAC	L	5 GAL.	11	6' O.C. SPACING
JUN SKY	JUNIPERUS 'SKYROCKET'	SKYROCKET JUNIPER	L	5 GAL.	65	4' O.C. SPACING
LEU COM	LEUCOPHYLLUM 'COMPACTA'	TEXAS SAGE	L	5 GAL.	60	5' O.C. SPACING
MYR COM	MYRTUS 'COMPACTA'	DWARF MYRTLE	L	5 GAL.	75	4' O.C. SPACING
TEU PRO	TEUCRIUM 'PROSTRATUM'	GERMANDER	L	5 GAL.	39	2' O.C. SPACING
SUCCULENTS						
ALO ARB	ALOE ARBORESCENS	TORCH ALOE	L	1 GAL.	3	4' O.C. SPACING
ALO STR	ALOE STRIATA	CORAL ALOE	L	1 GAL.	57	12" O.C. SPACING
YUC GOL	YUCCA 'GOLDEN SWORD'	YUCCA	L	1 GAL.	31	3' O.C. SPACING

ABBREV.	BOTANICAL NAME	COMMON NAME	WUCOLS	SIZE	QTY	REMARKS/SPACING
GRASSES						
CAR TUM	CAREX TUMULICOLA	BERKELEY SEDGE	L	1 GAL.	10	2' O.C. SPACING
HEL SEM	HELICTOTRICHON SEMPERVIRENS	BLUE OAT GRASS	L	1 GAL.	58	2' O.C. SPACING
LOM BRE	LOMANDRA 'BREEZE'	BREEZE LOMANDRA	L	1 GAL.	91	3' O.C. SPACING
GROUNDCOVERS						
	ARCTOSTAPHYLOS 'PACIFIC MIST'	PACIFIC MIST MANZANITA	L	1 GAL.	8	8' O.C. SPACING
	CEANOTHUS 'HEART'S DESIRE'	HEART'S DESIRE CEANOTHUS	L	1 GAL.	16	6' O.C. SPACING
	MYOPORUM 'PUTAH CREEK'	PUTAH CREEK MYOPORUM	L	1 GAL.	9	8' O.C. SPACING

MWEO STATEMENT

"I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE PLANTING PLAN"

(Signature)

MICHAEL A. COOK
REGISTERED LANDSCAPE ARCHITECT #5123

02/05/2024
DATE

CONSTRUCTION LEGEND

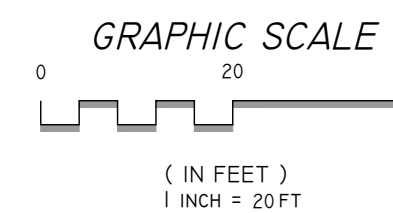
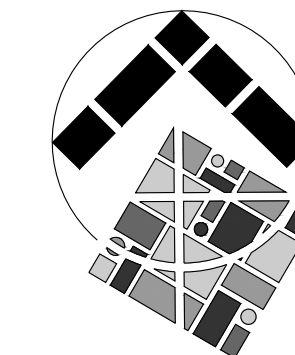
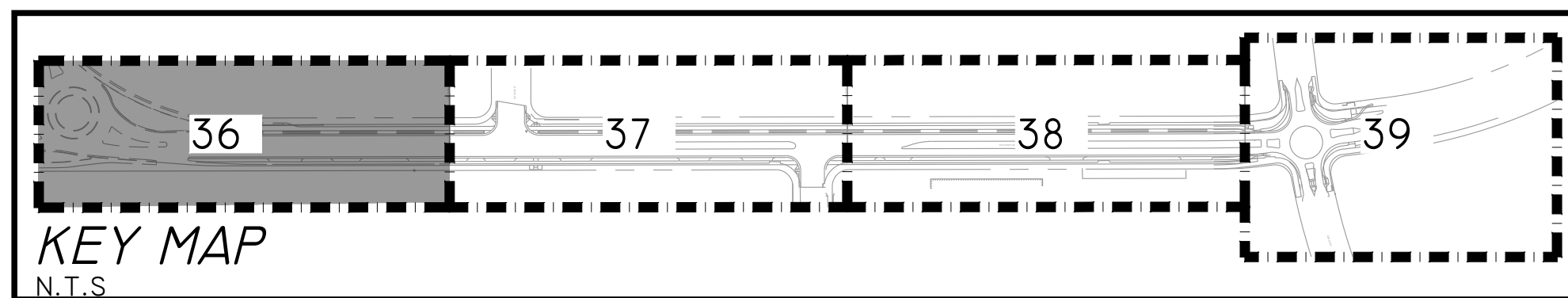
- ALIGN CENTER LINE
- PLANTING AREA
- RADIUS
- TYP. TYPICAL
- LARGE FIELD STONE - STONE PROVIDED BY OWNER, SIZES AND PLACEMENT PER FIELD DIRECTION. SEE SHEET 40 FOR DETAILS.
- SMALL - MEDIUM FIELD STONE - STONE PROVIDED BY OWNER, SIZES AND PLACEMENT PER FIELD DIRECTION. SEE SHEET 40 FOR DETAILS.
- REFER TO MATERIAL SCHEDULE
- REFER TO AMENITIES

MATERIAL SCHEDULE

- AGGREGATE GRAVEL MULCH - 3/8" SONOMA GOLD MIX FROM WHEELER ZAMARONI. SEE SHEET 40 FOR DETAILS.
- METAL HEADER - 4"x3/8" STEEL HEADER WITH 15" STEEL STAKES. SEE SHEET 40 FOR DETAILS.
- BENCH - BARCO PRODUCTS #02CL1721 CASSIDY 8' ARCHED BACK BENCH, COLOR 'BLACK ONYX'. SEE SHEET 40 FOR DETAILS.

NOTES

- I. REFER TO SHEET 40 FOR PLANTING AND FURNISHINGS DETAILS.



CITY OF ROHNERT PARK

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



REV. NO.	DATE	DESCRIPTION	BY



APPROVED:

(Signature)
DATE: 02/15/2024
VANESSA MARIN GARRETT R.C.E. 84141
CITY ENGINEER, CITY OF ROHNERT PARK
LICENSE EXPIRES SEPTEMBER 25, 2025

**SOUTHWEST BOULEVARD COMPLETE STREETS
COMMERCE BOULEVARD-ADRIAN DRIVE
PROJECT # 2020-23**

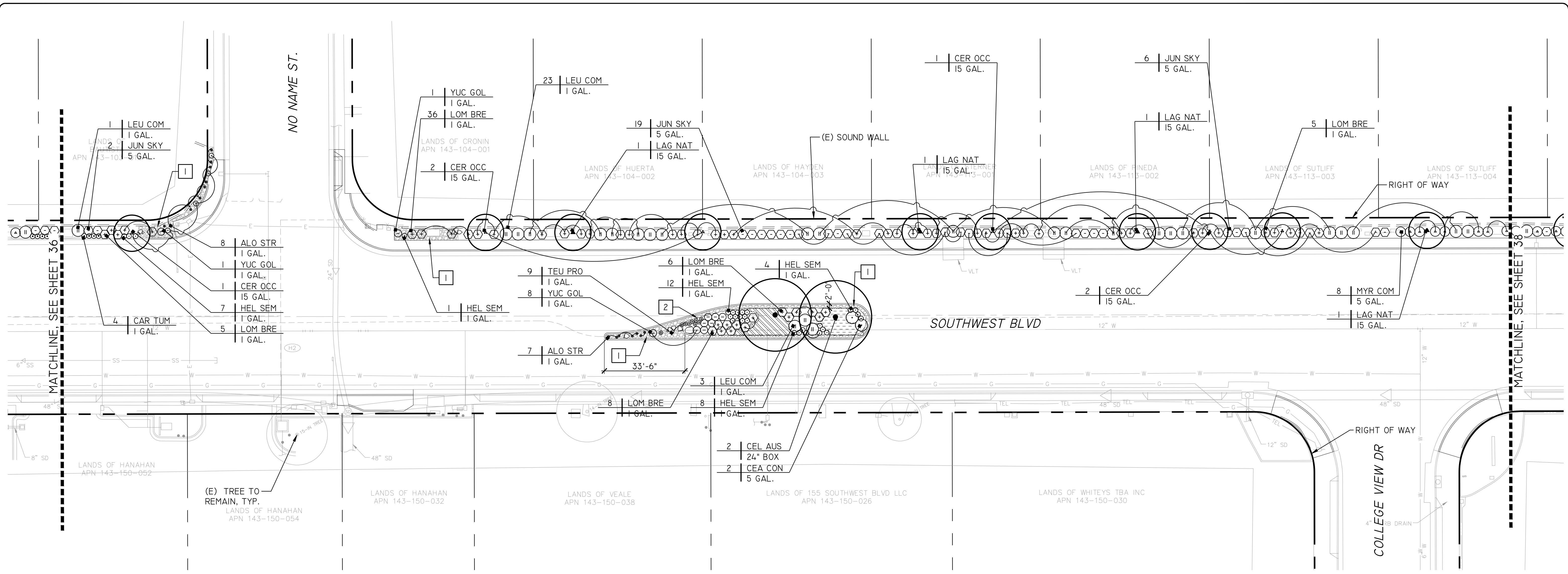
PLANTING AND
FURNISHINGS PLAN

DESIGNED BY: NR
DRAWN BY: DCF
CHECKED BY: MAC
DATE: FEBRUARY 2024
PROJECT: 20211837-10
DWG NO: L2.0
SHEET

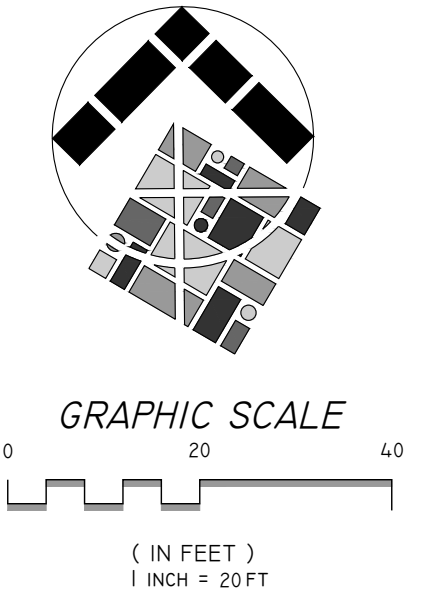
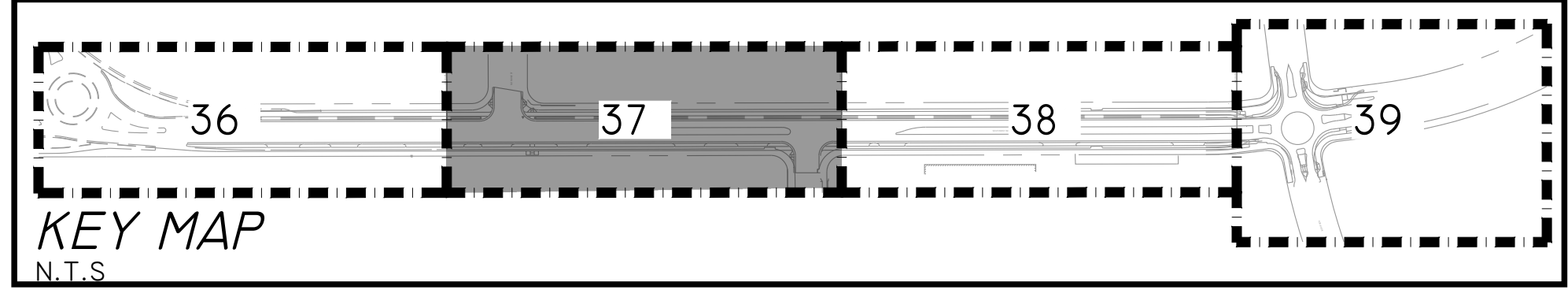
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NOTES
 1. REFER TO SHEET 40 FOR PLANTING AND FURNISHINGS DETAILS.




CITY OF ROHNERT PARK
 130 AVRAM AVENUE
 ROHNERT PARK, CALIFORNIA 94928
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REV. NO.	DATE	DESCRIPTION	BY



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 LANDSCAPE
 ARCHITECTURE
 1506 4TH STREET
 SANTA ROSA, CALIFORNIA 95404
 707-852-0500
 WWW.INTEGRAPLA.COM



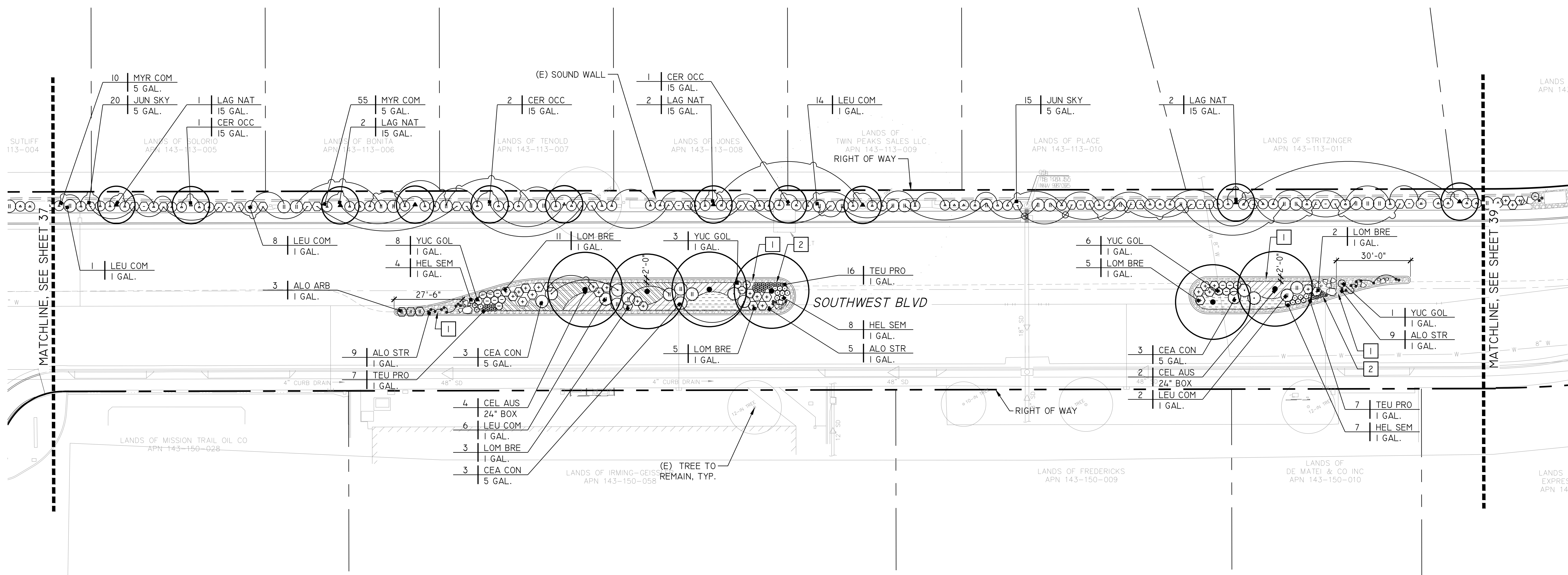
APPROVED:

VANESSA MARIN GARRETT R.C.E. 84141
 CITY ENGINEER, CITY OF ROHNERT PARK
 LICENSE EXPIRES SEPTEMBER 25, 2025

DATE: 02/15/2024

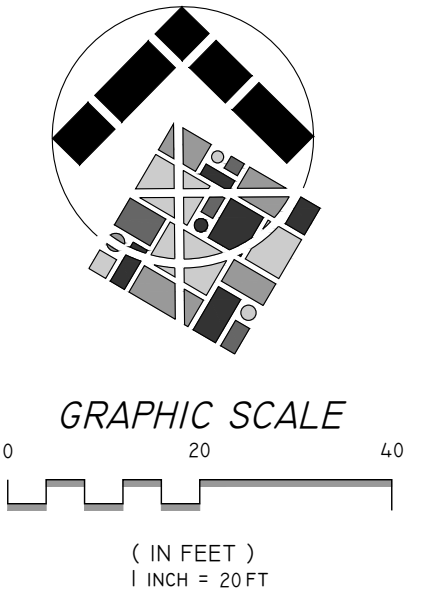
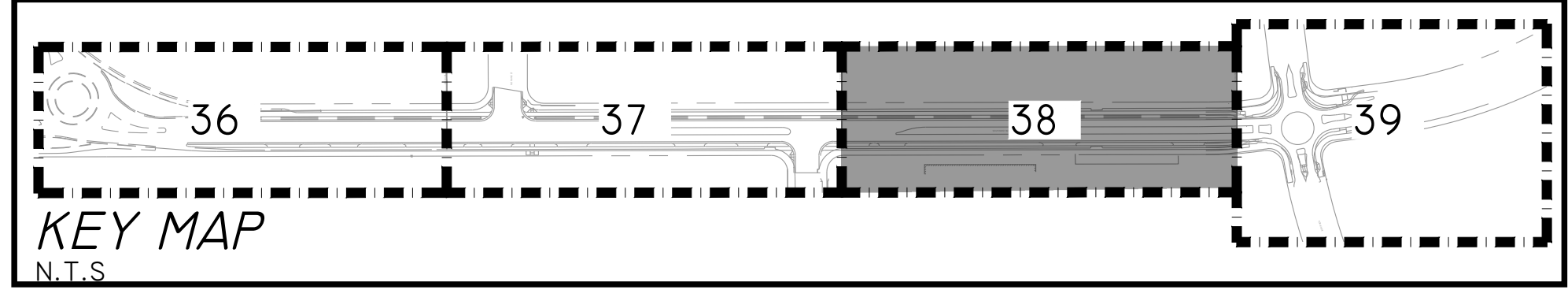
**SOUTHWEST BOULEVARD COMPLETE STREETS
 COMMERCE BOULEVARD-ADRIAN DRIVE**
 PROJECT # 2020-23

**PLANTING AND
 FURNISHINGS PLAN**

DESIGNED BY: NR
 DRAWN BY: DCF
 CHECKED BY: MAC
 DATE: FEBRUARY 2024
 PROJECT: 20211837-10
 DWG NO: L2.1
 SHEET
37 OF 40
 SHEETS



NOTES
 1. REFER TO SHEET 40 FOR PLANTING AND FURNISHINGS DETAILS.

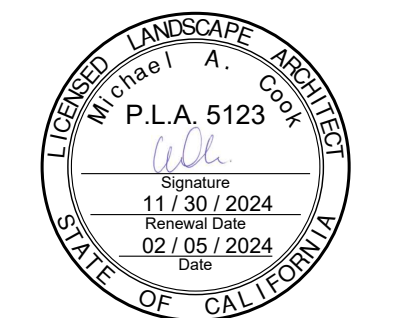


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REV. NO.	DATE	DESCRIPTION	BY

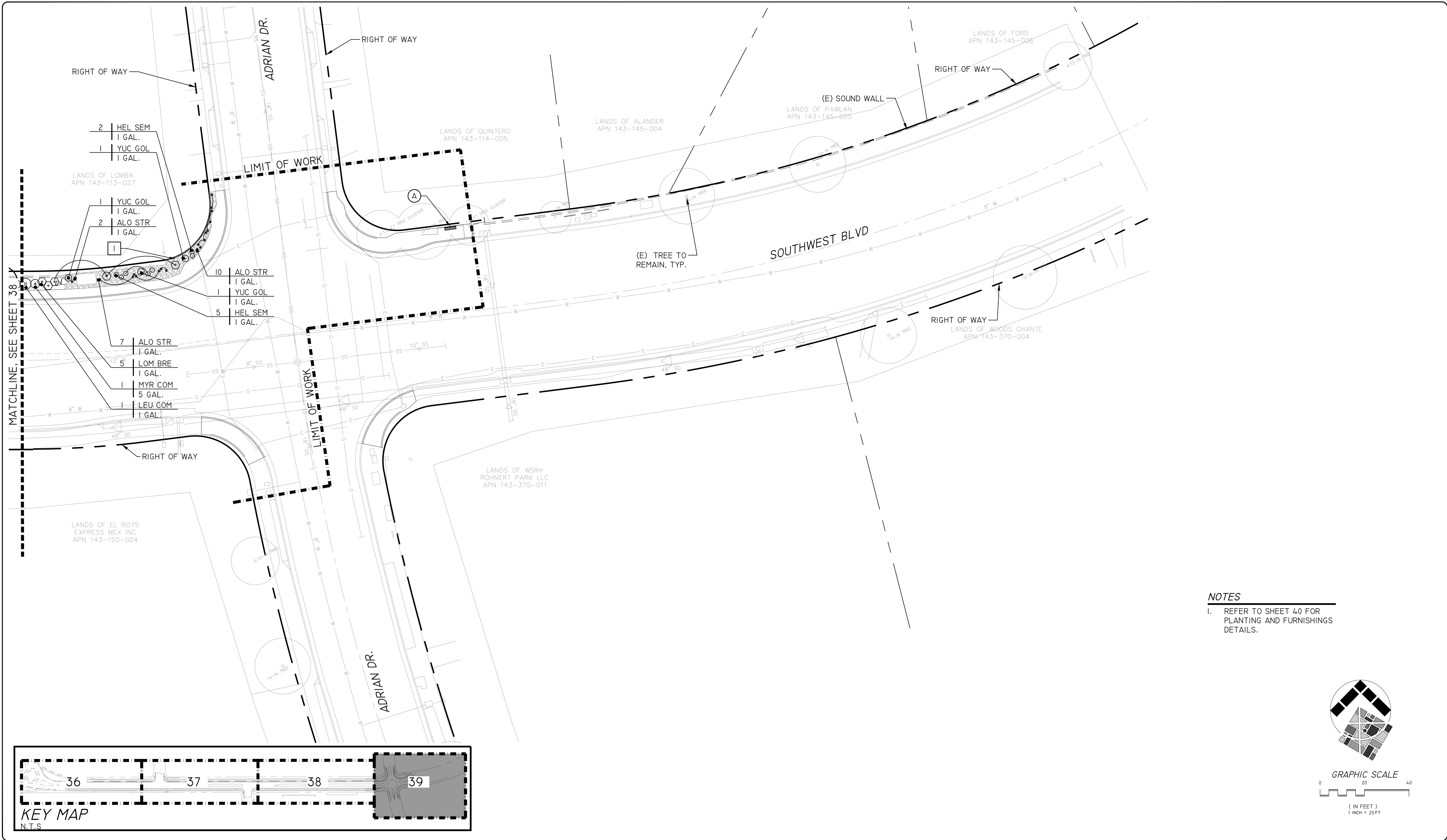


APPROVED:
Vanessa Marin Garrett
VANESSA MARIN GARRETT R.C.E. 84141
 CITY ENGINEER, CITY OF ROHNERT PARK
 LICENSE EXPIRES SEPTEMBER 25, 2025

**SOUTHWEST BOULEVARD COMPLETE STREETS
 COMMERCE BOULEVARD-ADRIAN DRIVE**
 PROJECT # 2020-23
 PLANTING AND
 FURNISHINGS PLAN

DESIGNED BY: NR
 DRAWN BY: DCF
 CHECKED BY: MAC
 DATE: FEBRUARY 2024
 PROJECT: 20211837-10
 DWG NO: L2.2
 SHEET
38 OF 40
 SHEETS

Feb 08, 2024 - 8:59am
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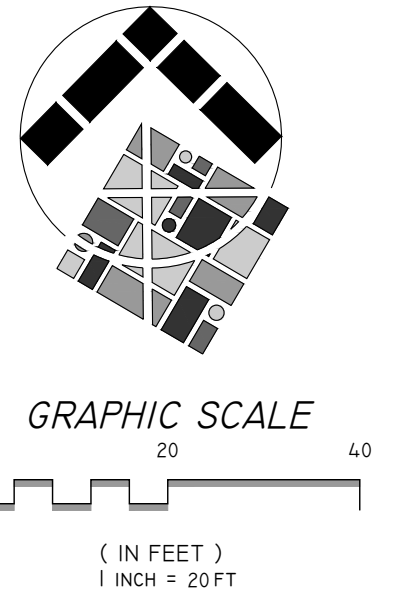
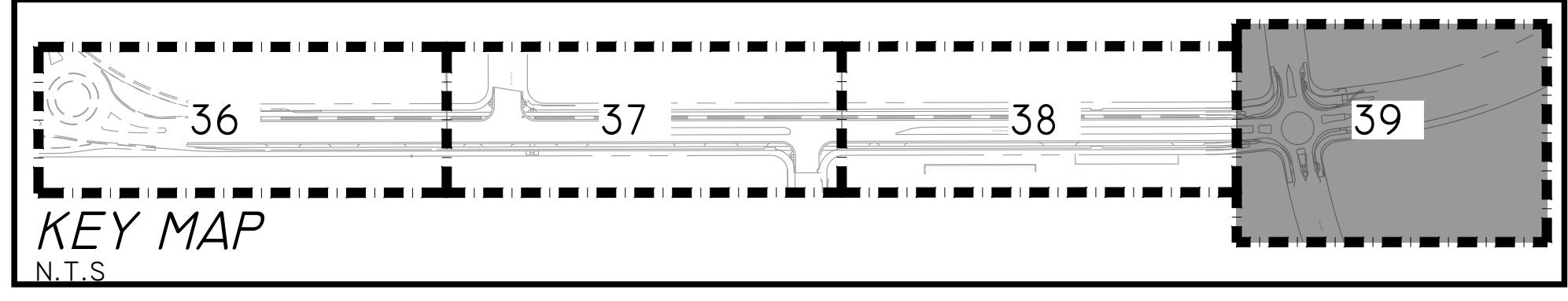


MATCHLINE, SEE SHEET 38

LIMIT OF WORK

LIMIT OF WORK


- NOTES**
- REFER TO SHEET 40 FOR PLANTING AND FURNISHINGS DETAILS.




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




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 1506 4TH STREET
 SANTA ROSA, CALIFORNIA 95404
 707-852-0500
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APPROVED:

VANESSA MARIN GARRETT R.C.E. 84141
 CITY ENGINEER, CITY OF ROHNERT PARK
 LICENSE EXPIRES SEPTEMBER 25, 2025

DATE: 02/15/2024

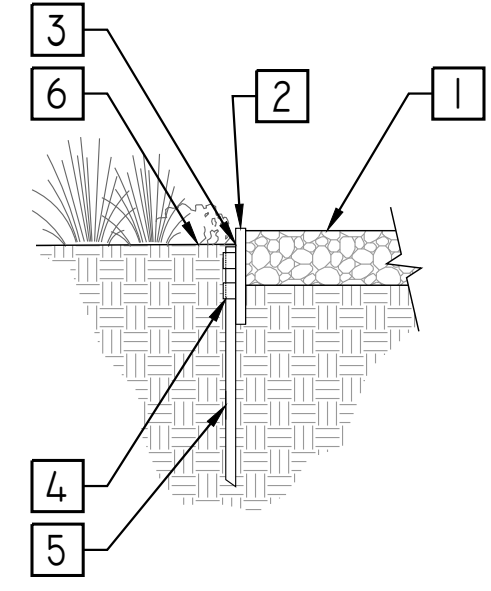
**SOUTHWEST BOULEVARD COMPLETE STREETS
 COMMERCE BOULEVARD-ADRIAN DRIVE**
 PROJECT # 2020-23

**PLANTING AND
 FURNISHINGS PLAN**

DESIGNED BY: NR
 DRAWN BY: DCF
 CHECKED BY: MAC
 DATE: FEBRUARY 2024
 PROJECT: 20211837-10
 DWG NO: L2.3
 SHEET
39 OF 40
 SHEETS

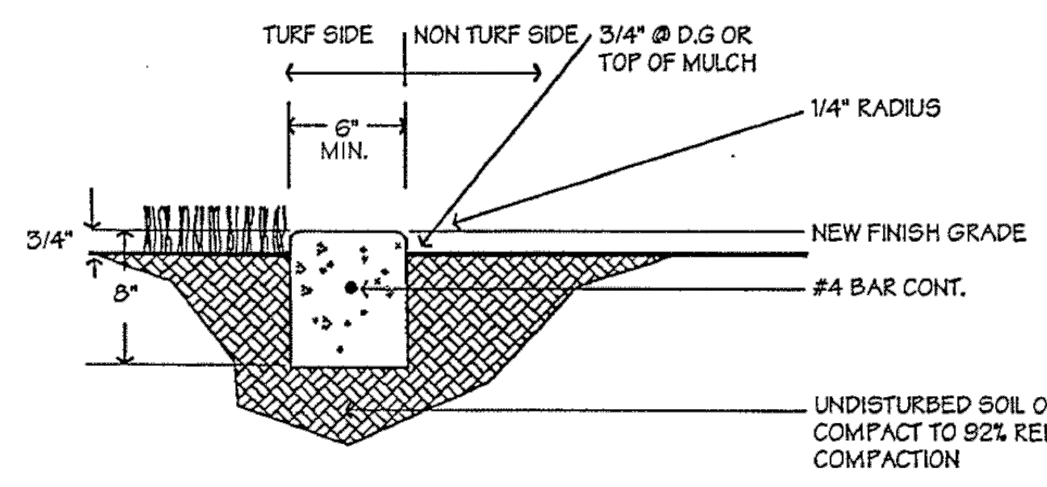
Feb 08, 2024 - 8:59am
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- 1 GRAVEL, SEE MATERIAL SCHEDULE.
- 2 4" x 3/8" STEEL HEADER
- 3 HOLD FINISH GRADE DOWN 1" FROM TOP OF HEADER
- 4 ANCHOR STAKE LOOP
- 5 15" STEEL STAKE @ 12" O.C.
- 6 PLANTING AREA. HOLD 1" BELOW HEADER

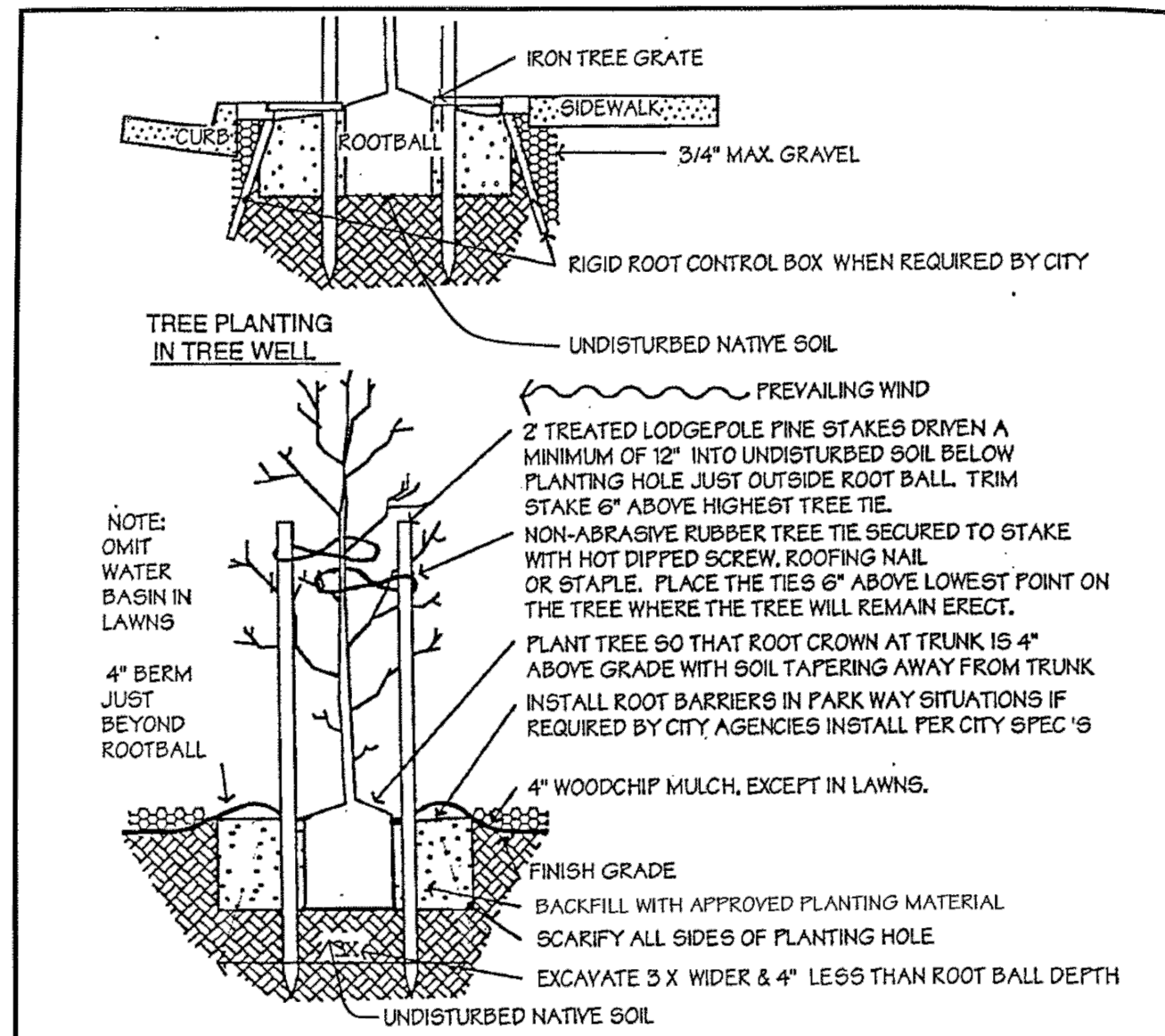


METAL HEADER
SCALE: 1" = 1'-0"

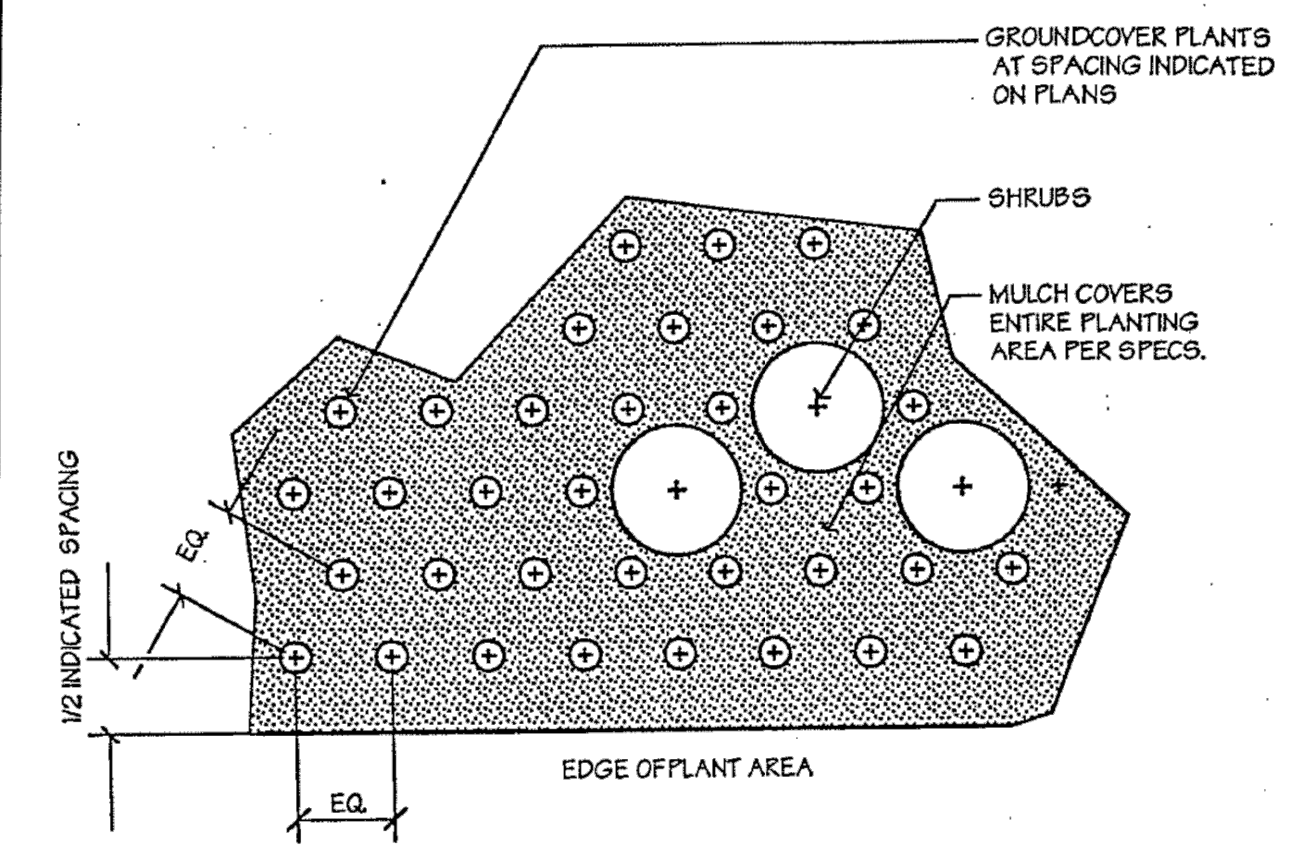
- NOTES:
- ALL FORMS SHALL BE APPROVED BY CITY INSPECTOR PRIOR TO POURING ANY CONCRETE.
 - INSTALL 1/4" EXP JOINTS AT 5' MAX & 3/8" SCORE LINES AT 5' MAX. CONCRETE TO HAVE LIGHT BROOM FINISH.



CITY OF ROHNERT PARK
CONCRETE MOW BAND
SCALE: NONE DATE: JANUARY 2006
Approved: *Damphlein* STD. - 120

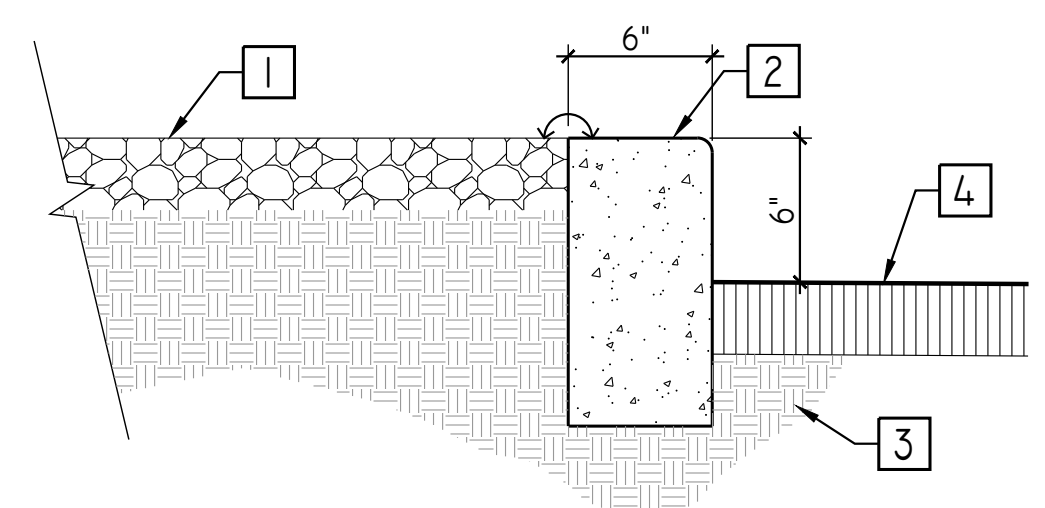


CITY OF ROHNERT PARK
TREE PLANTING AND STAKING DETAIL
SCALE: NONE DATE: JANUARY 2006
Approved: *Damphlein* STD. - 101A



CITY OF ROHNERT PARK
GROUND COVER PLANTING DETAIL
SCALE: NONE DATE: JANUARY 2006
Approved: *Damphlein* STD. - 101C

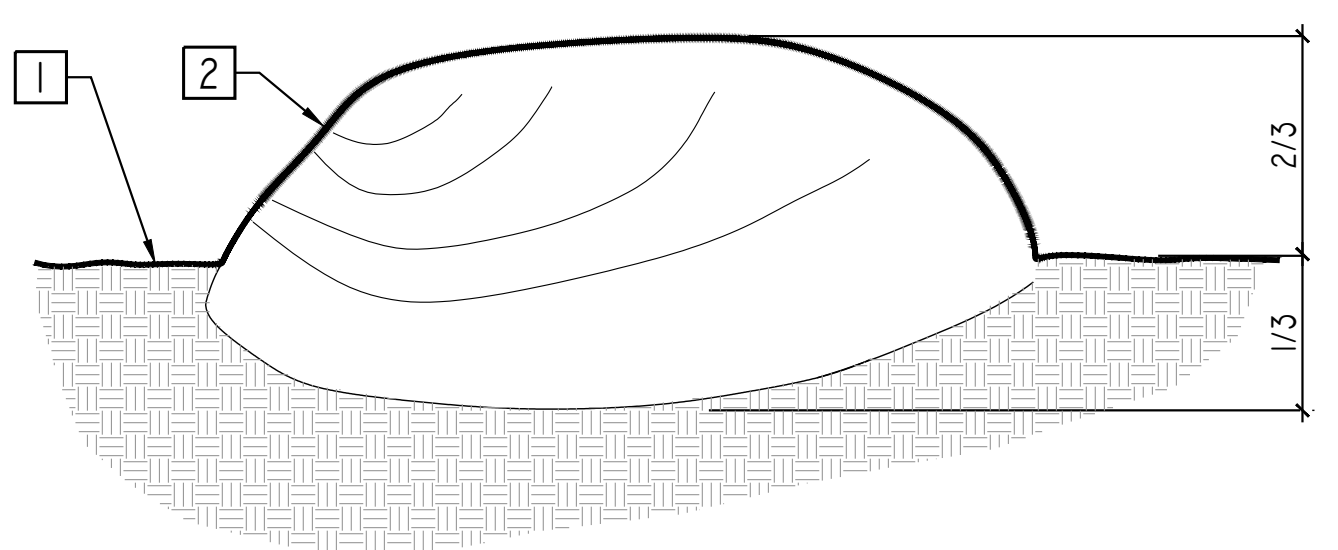
- 1 3" GRAVEL
- 2 (E) CURB
- 3 SOIL
- 4 STREET PAVEMENT



GRAVEL DETAIL
SCALE: 1-1/2" = 1'-0"

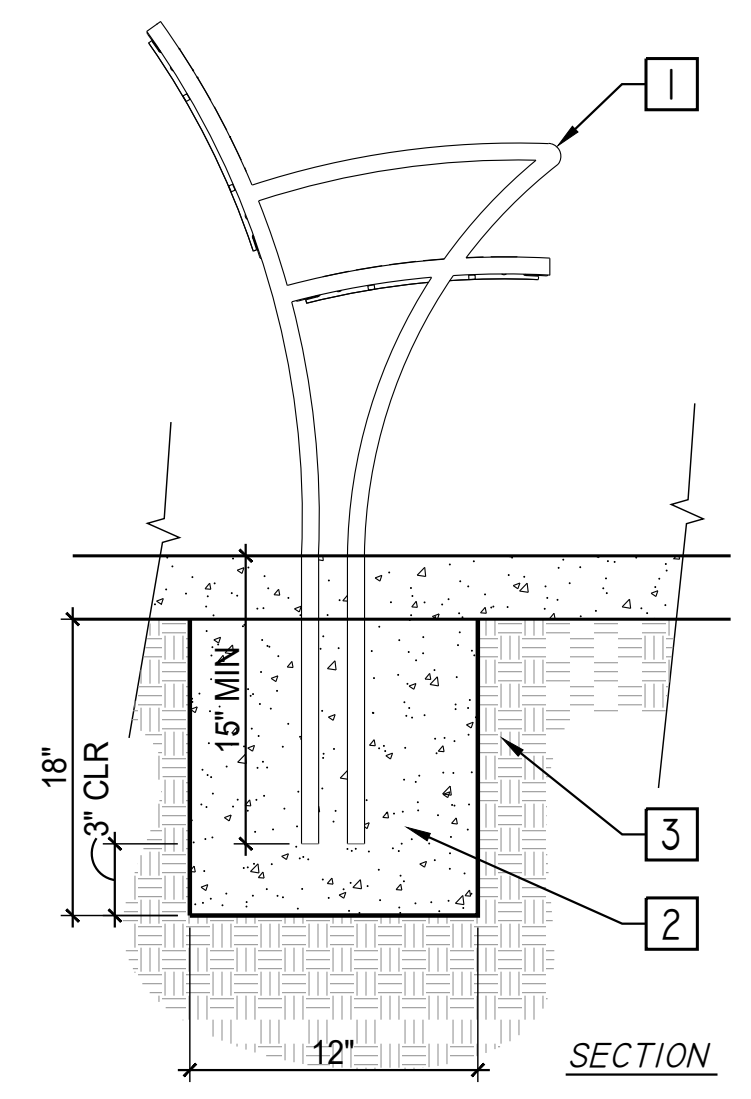
- NOTE:
- REFER TO MATERIALS LIST, FOR BOULDER TYPE, SIZE, AND COLOR.
 - STONE SELECTION SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
 - IF BOULDER IS AT WALL END, BLEND WALL SMOOTHLY TO BOULDER USING STONE AND MORTAR.

- 1 FINISH GRADE
- 2 SPECIMEN ROCK. MINIMUM 12" DIAMETER. MATCH BOULDER PLACEMENT AND SIZES TO LAYOUT SHOWN ON CONSTRUCTION PLAN

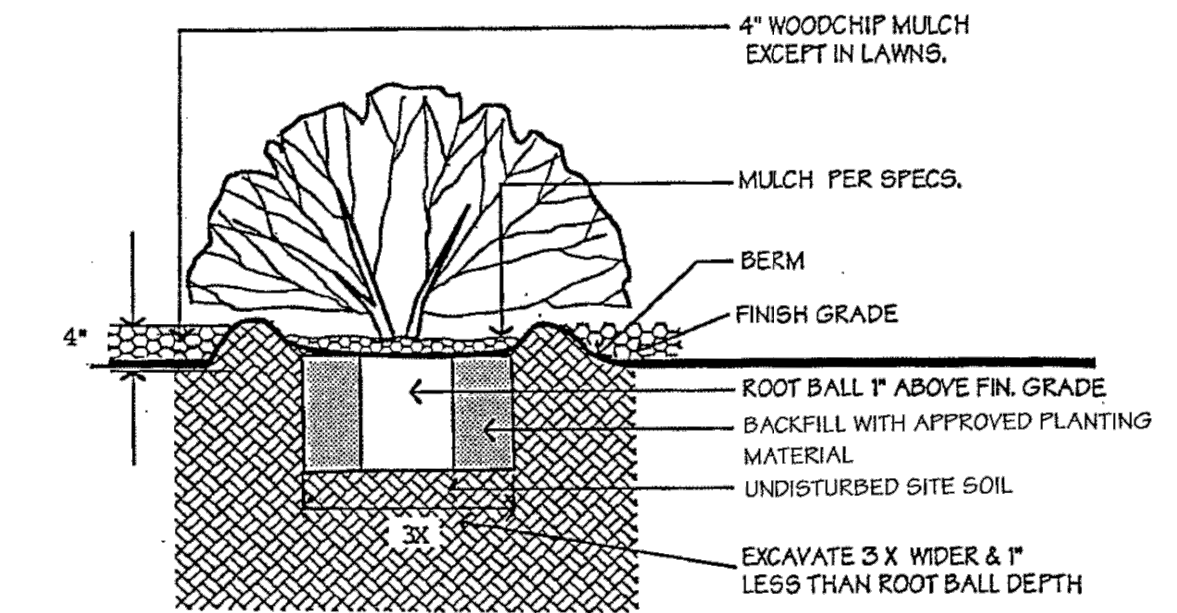


LANDSCAPE BOULDER
SCALE: 1" = 1'-0"

- NOTES:
- REFER TO MATERIAL SCHEDULE FOR INFORMATION RELATIVE TO COLOR, TYPE AND FINISH.



BENCH FOOTING
SCALE: N.T.S.



CITY OF ROHNERT PARK
SHRUB PLANTING DETAIL
SCALE: NONE DATE: JANUARY 2006
Approved: *Damphlein* STD. - 101B

CITY OF ROHNERT PARK

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



REV. NO.	DATE	DESCRIPTION	BY



APPROVED:
Vanessa Marin Garrett
DATE: 02/15/2024
VANESSA MARIN GARRETT R.C.E. 84141
CITY ENGINEER, CITY OF ROHNERT PARK
LICENSE EXPIRES SEPTEMBER 25, 2025

**SOUTHWEST BOULEVARD COMPLETE STREETS
COMMERCE BOULEVARD-ADRIAN DRIVE
PROJECT # 2020-23**

PLANTING AND
FURNISHINGS DETAILS

DESIGNED BY: NR
DRAWN BY: DCF
CHECKED BY: MAC
DATE: FEBRUARY 2024
PROJECT: 20211837-10
DWG NO: L2.4
SHEET
40 OF 40
SHEETS