CITY OF SANTA ROSA

IMPROVEMENT PLANS FOR

ROCK CREEK DRIVE & MATANZAS WAY
WATER, SEWER & STORM DRAIN IMPROVEMENTS

CONTRACT NO. C02290

JULY 2025

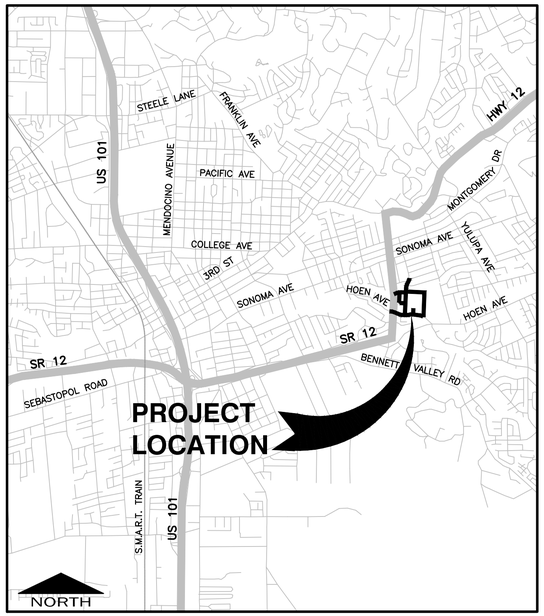
Brelje & Race
CONSULTING ENGINEERS
475 Aviation Blvd. • Suite 120 Santa Rosa, CA 95403
Phone: 707-576-1322 • www.brce.com

REGISTERED PROFESSIONAL ENGINEER — BENJAMIN L. BRELJE — No. 79218 — Exp. 3-31-26 — CIVIL — STATE OF CALIFORNIA

City of Santa Rosa

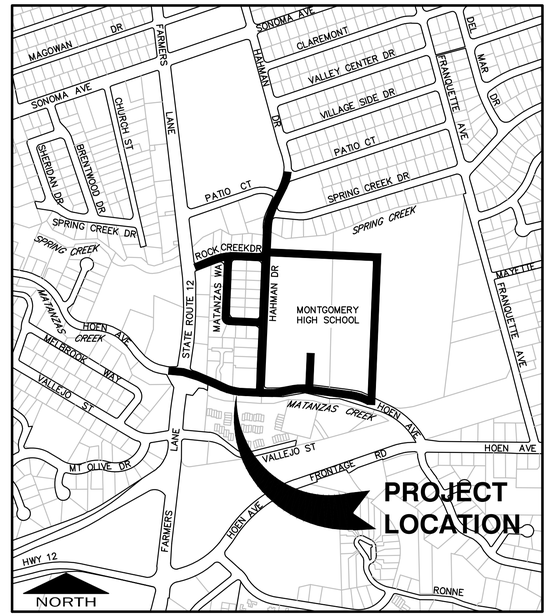
GENERAL NOTES

1. ALL WORKMANSHIP, MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE CITY OF SANTA ROSA STANDARD PLANS, THE CONSTRUCTION SPECIFICATIONS FOR PUBLIC IMPROVEMENTS, THE SPECIAL PROVISIONS FOR THIS PROJECT AND THE STATE STANDARD SPECIFICATIONS AND STANDARD PLANS. THE CONTRACTOR IS RESPONSIBLE FOR UNDERSTANDING ALL STANDARDS PERTAINING TO THIS PROJECT.
2. THE CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT (USA) AT 1-800-227-2600 NO LESS THAN 2 WORKING DAYS PRIOR TO ANY EXCAVATION FOR MARK OUTS OF EXISTING UNDERGROUND FACILITIES IN ACCORDANCE WITH SECTION 5-1.36E OF THE SPECIAL PROVISIONS.
3. THE LOCATIONS OF UNDERGROUND UTILITIES AND OTHER OBSTACLES SHOWN ON THE PLANS ARE BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL POTHOLE AND DETERMINE THE EXACT LOCATION OF ALL POTENTIAL CONFLICTS IN ACCORDANCE WITH U.S.A. LAWS AND THESE SPECIAL PROVISIONS AND THE STANDARD SPECIFICATIONS. IF ANY UNMARKED UTILITIES ARE ENCOUNTERED, OR IF UNABLE TO LOCATE A MARKED UTILITY AFTER POT HOLING, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER OF THAT UTILITY AND THE ENGINEER.
4. ALL SEWER MANHOLES, MAINLINE CLEANOUTS AND WATER VALVES THAT ARE ON ACTIVE SYSTEMS SHALL BE ACCESSIBLE TO CITY PERSONNEL AT ALL TIMES AND SHALL BE BROUGHT TO GRADE WITHIN 48 HOURS OF PAVING.
5. THE CONTRACTOR SHALL PROTECT AND PRESERVE CITY MONUMENTS. THE CONTRACTOR SHALL COORDINATE WITH THE CITY ENGINEER 10 WORKING DAYS IN ADVANCE FOR REFERENCING OF EXISTING MONUMENTS TO BE DISTURBED. THE CONTRACTOR SHALL RECONSTRUCT DISTURBED MONUMENTS IN ACCORDANCE WITH CITY STANDARD 280.
6. OVERHEAD UTILITY SERVICE DROPS ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL INVESTIGATE THE SITE AND BE AWARE OF LIMITED CLEARANCES UNDER OVERHEAD UTILITY LINES AND LOW HANGING TREE BRANCHES. THE CONTRACTOR'S TRUCKS AND EXCAVATION EQUIPMENT SHALL BE SIZED SO THAT OVERHEAD WIRES AND TREE BRANCHES ARE NOT DAMAGED.
7. ALL EXCAVATED MATERIAL SHALL BE DISPOSED OF AS GENERATED AND AT NO TIME SHALL THE CONTRACTOR PLACE EXCAVATED MATERIAL AT THE WORK SITE.
8. THE CONTRACTOR SHALL ONLY REMOVE EXISTING TREES OR SHRUBS AS NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER IN WRITING.
9. FOR CLARITY OF EXISTING SUBSURFACE CONDITIONS, NOT ALL CROSSWALKS, STOP BARS, OR EXISTING PAVEMENT MARKINGS ARE SHOWN ON THE PLANS. TRAFFIC STRIPES, RAISED PAVEMENT MARKERS AND PAVEMENT MARKINGS DAMAGED DUE TO THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED PER CITY OF SANTA ROSA TRAFFIC STANDARDS PART III, TRAFFIC MARKINGS. PATCHING OF DAMAGED MARKINGS WILL NOT BE ALLOWED WITHOUT PRIOR APPROVAL FROM THE ENGINEER. ALL DAMAGED RAISED PAVEMENT (NON-REFLECTIVE) MARKERS MUST BE CERAMIC.
10. TRAFFIC CONTROL AND PEDESTRIAN TRAFFIC SHALL BE MAINTAINED DURING CONSTRUCTION IN ACCORDANCE WITH THE LATEST CA MUTCD, PEDESTRIAN TRAFFIC SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA) AND SHALL ACCOMMODATE PEDESTRIAN TRAFFIC THROUGH OR AROUND THE WORK ZONES.



VICINITY MAP

SCALE: 1" = 3000'



LOCATION MAP

SCALE: 1' = 200'

DRAWING INDEX

RECORD PLAN DATA

PROJECT START:
PROJECT END:
GEN. CONTRACTOR:
SUPERINTENDENT:
UNDERGROUND CONTRACTOR:
FOREMAN:
SEWER PIPE TYPE:
MANUFACTURER:
SEWER FITTINGS MANUFACTURER:
M.H. MANUFACTURER:
WATER PIPE TYPE:
MANUFACTURER:
WATER VALVE MANUFACTURER:
WATER FITTINGS MANUFACTURER:

WATER SERVICE TYPE:
MANUFACTURER:
FIRE HYDRANT TYPE:
MANUFACTURER:
INSPECTOR:
CONSTRUCTION MANAGER:
CITY PROJECT MANAGER:
RECORD PLANS BY:

ADDITIONAL INFO:

BEFORE EXCAVATING
CALL U.S.A. NORTH
UNDERGROUND SERVICE ALERT
AT 811
TWO WORKING DAYS BEFORE ALL
PLANNED WORK OPERATIONS

FINAL PAY ITEM(S)

ROADWAY EXCAVATION	2,170 CY
ALT #1 ROADWAY EXCAVATION	405 CY
ALT #2 ROADWAY EXCAVATION	(535 CY)

APPROVED: DIRECTOR OF TRANSPORTATION AND PUBLIC WORKS

BY _____ DATE _____

DAN HENNESSEY

DEPT.	SIGNATURE	DATE
DESIGN/CONST		07/25/2025
MATERIALS LAB		
SURVEY		
TRAFFIC		
WATER - ENG		
WATER - OPS		

NO.	DATE	REVISION	BY

ROCK CREEK DRIVE & MATANZAS WAY
WATER, SEWER & STORM DRAIN IMPROVEMENTS

COVER

CHK BY:	BB
DATE:	JULY 2025
DWN BY:	PIT
SCALE:	AS SHOWN
CONTRACT NO.	C02290
SHEET	1 OF 37
FILE NO.	2024-0019

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07-25-25 kilfizghi \4698\dwg\4698 00\4698.00 COVER, NOTE & CONTROL.dwg TAB: 1 COVER

ABBREVIATIONS

AB	AGGREGATE BASE
ABAN	ABANDONED
ABS	ACRYLONITRILE–BUTADIENE–STYRENE
AC	ASPHALT CONCRETE
ACP	ASBESTOS CEMENT PIPE
AD	ALGEBRAIC DIFFERENCE
ADA	AMERICANS WITH DISABILITIES ACT
ADPT	ADAPTER
AGG	AGGREGATE
ALUM	ALUMINUM
ANG	ANGLE
AP	ANGLE POINT
APN	ASSESSORS PARCEL NUMBER
APPROX	APPROXIMATE
ARV	AIR RELEASE VALVE
AVE	AVENUE
AVG	AVERAGE
BC	BEGIN HORIZONTAL CURVE
BFP	BACKFLOW PREVENTER
BLDG	BUILDING
BLVD	BOULEVARD
BM	BENCHMARK
BO	BLOWOFF
BOC	BACK OF CURB
BV	BUTTERFLY VALVE
BVC	BEGIN VERTICAL CURVE
BSW	BACK OF SIDEWALK
BT	BOTTOM OF TAPER
B&R	BRELJE & RACE
C	CONDUIT
CAV	COMBINATION AIR AND VACUUM RELEASE VALVE
CB	CATCH BASIN
CBC	CALIFORNIA BUILDING CODE
CDF	CONTROLLED DENSITY FILL
CHK	CHECK
CIP	CAST IRON PIPE
CIPP	CAST–IN–PLACE PIPE
℄	CENTERLINE
CL	CENTERLINE
CL	CLASS
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CMPA	CORRUGATED METAL PIPE ARCH
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COAX	COAXIAL CABLE
CONC	CONCRETE
COND	CONDUIT
CONST	CONSTRUCTION
CONT	CONTINUOUS
COTG	CLEANOUT TO GRADE
CP	CONTROL POINT
CPLG	COUPLING
CR	CURB RETURN
CSP	CORRUGATED STEEL PIPE
CT	COURT
CTB	CEMENT TREATED BASE
CTR	CENTER
CY	CUBIC YARD
C/C	CENTER TO CENTER
C&G	CURB AND GUTTER
DBL	DOUBLE
DCDC	DOUBLE CHECK DETECTOR CHECK
DCV	DETECTOR CHECK VALVE
DDC	DOUBLE DETECTOR CHECK
DET	DETECTOR
DH	DETECTOR HANDHOLE
DI	DROP INLET
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DLC	DETECTOR LOOP CONDUIT
DR	DRIVE
DS	DOWNSPOUT
DS	DOWNSTREAM
DWG	DRAWING
DWR	DASHED WHITE PAVEMENT MARKER
DWY	DRIVEWAY
DY	DOUBLE YELLOW
DYR	DASHED YELLOW RAISED PAVEMENT MARKER
E	EAST
EA	EACH
EC	END HORIZONTAL CURVE
ECC	ECCENTRIC
EFFL	EFFLUENT (SEWER)
EG	EXISTING GROUND
EL	ELEVATION
ELEC	ELECTRICAL
ELL	ELBOW
EP	EDGE OF PAVEMENT
EQ	EQUAL
ESMT	EASEMENT
EVC	END VERTICAL CURVE
EW	EACH WAY
EX	EXISTING
FA	FIRE ALARM
FC	FACE OF CURB
FCA	FLANGED COUPLING ADAPTER
FDC	FIRE DEPARTMENT CONNECTION
FES	FLARED END SECTION
FF	FINISHED FLOOR
FG	FINISHED GRADE
FH	FIRE HYDRANT
℄	FLOWLINE
FL	FLOWLINE
FLG	FLANGE
FLSO	FLOWLINE OF SIDE OPENING
FLEX	FLEXIBLE
FM	FORCE MAIN (PRESSURE)
FRP	FIBERGLASS REINFORCED PLASTIC
FT	FEET
FTG	FOOTING
GALV	GALVANIZED
GB	GRADE BREAK
GPM	GALLONS PER MINUTE
GRD	GROUND
GSP	GALVANIZED STEEL PIPE
GV	GAS VALVE
GV	GATE VALVE
HB	HOSE BIBB
HB	HEADER BOARD
HDG	HOT DIPPED GALVANIZED
HDPE	HIGH DENSITY POLYETHYLENE
HORIZ	HORIZONTAL
HP	HIGH POINT
HPG	HIGH PRESSURE GAS
HPS	HIGH PRESSURE SODIUM
HT	HEIGHT
HWY	HIGHWAY
IC	INTERCONNECT
ICV	IRRIGATION CONTROL VALVE
ID	INSIDE DIAMETER
INV	INVERT
IP	IRON PIPE
IPS	IRON PIPE SIZE
IRR	IRRIGATION
ISA	INTERNATIONAL SYMBOL OF ACCESSIBILITY
JB	JUNCTION BOX
JP	JOINT POLE
JT	JOINT TRENCH
KV	KILOVOLT
L	ARC LENGTH
L	LENGTH
LAT	LATERAL
LF	LINEAL FEET
LG	LIP OF GARAGE
LG	LIP OF GUTTER
LL	LANE LINE
LMA	LUMINAIRE MAST ARM
LN	LANE
LP	LOW POINT
LT	LEFT
LUM	LUMINAIRE
MAX	MAXIMUM
MB	MAILBOX
MBGR	METAL BEAM GUARD RAIL
MFR	MANUFACTURE
MG	MILLION GALLONS
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MJ	MECHANICAL JOINT
MON	MONUMENT
MSL	MEAN SEA LEVEL
N	NORTH
NG	NATURAL GROUND
NO.	NUMBER
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NPT	NATIONAL PIPE THREAD
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OZ	OUNCE
PA	PLANTER AREA
PB	PULL BOX
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PCC	PORTLAND CEMENT CONCRETE
PD	PLANTER DRAIN
PE	PLAIN END
PEC	PHOTOELECTRIC CELL
PED	PEDESTRIAN
PG	PAD GRADE
PI	POINT OF INTERSECTION
PIV	POST INDICATOR VALVE
⅊	PROPERTY LINE
PN	PAVING NOTCH
POC	POINT OF CONNECTION
POC	POINT ON CURVE
POCC	POINT OF COMPOUND CURVE
POVC	POINT ON VERTICAL CURVE
POS	PRIVATE OPEN SPACE
POT	POINT ON TANGENT
PP	POWER POLE
PRC	POINT OF REVERSE CURVATURE
PRV	PRESSURE REDUCING VALVE
PSD	PERFORATED SUBDRAIN
PSI	POUND PER SQUARE INCH
PSV	PRESSURE SUSTAINING VALVE
PT	POINT
PT	POINT OF TANGENCY
PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
PWE	PUBLIC WATER EASEMENT
R	RADIUS
RAW	RAW WATER
RC	RELATIVE COMPACTION
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
RD	ROOF DRAIN
RED	REDUCER
REF	REFERENCE
ROW	RIGHT OF WAY
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
RPM	RAISED PAVEMENT MARKER
RSC	REMOTE SUPERVISORY CONTROL
RT	RIGHT
RT	RING TIGHT
RW	RECYCLED WATER
RWL	RAIN WATER LEADER
R/W	RIGHT OF WAY
S	SOUTH
S	SLOPE
S.A.D.	SEE ARCHITECTURAL DRAWINGS
SCADA	SUPERVISORY CONTROL AND DATA ACQUISITION
SCH	SCHEDULE
SD	STORM DRAIN
SDCB	STORM DRAIN CATCH BASIN
SDCO	STORM DRAIN CLEANOUT
SDDI	STORM DRAIN DROP INLET
SDE	STORM DRAIN EASEMENT
SDMH	STORM DRAIN MANHOLE
SE	SEWER EASEMENT
S.E.D.	SEE ELECTRICAL DRAWINGS
SF	SQUARE FEET
SG	SUBGRADE
SIG	SIGNAL
SL	STREET LIGHT
S.L.D.	SEE LANDSCAPE DRAWINGS
SOF	SLIP ON FLANGE
SO	SIDE OPENING (SD)
S.P.D.	SEE PLUMBING DRAWINGS
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
SS	SANITARY SEWER
SSCO	SANITARY SEWER CLEANOUT
S.S.D.	SEE STRUCTURAL DRAWINGS
SSMH	SANITARY SEWER MANHOLE
ST	STREET
STA	STATION
STD	STANDARD
STL	STEEL
SVC	SERVICE
SWE	SIDEWALK EASEMENT
SY	SQUARE YARDS
SW	SIDEWALK
SWL	SOLID WHITE LINE
T	TANGENT
TAN	TANGENT
TB	TOP OF BOX
TBM	TEMPORARY BENCHMARK
TC	TOP OF CONCRETE
TC	TOP OF CURB
TCE	TEMPORARY CONSTRUCTION EASEMENT
TD	TOP OF DIKE
TEL	TELEPHONE
TEMP	TEMPORARY
TF	TOP OF FOUNDATION
TG	TOP OF GRATE
THD	THREADED
TP	TOP OF PIPE
TS	TOP OF SLAB
TS	TRAFFIC SIGNAL
TT	TOP OF TAPER
TW	TOP OF WALL
TWLTL	TWO WAY LEFT TURN LANE
TYP	TYPICAL
UC	UTILITY CHASE
UFFG	UNDER FLOOR FINISHED GRADE
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
V	VOLT
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VERT	VERTICAL
VG	VALLEY GUTTER
VLT	VAULT
W	WEST
W	WATER
WBD	WALL BACK DRAIN
WM	WATER METER
WNF	WELD NECK FLANGE
WS	WATER SERVICE
WSS	WATER SAMPLING STATION
WT	WEIGHT
WTR	WATER
WV	WATER VALVE
WWF	WELDED WIRE FABRIC
YD	YARD
°	DEGREES
'	MINUTES
"	SECONDS
Δ	DELTA
&	AND
@	AT
#	NUMBER
#	POUNDS
%	PERCENT

LEGEND

LINES

EXISTING BOUNDARY
EXISTING PARCEL
CENTER
EASEMENT

UTILITY & TOPOGRAPHY

	EXISTING	PROPOSED
DROP INLET		DI
DROP INLET WITH SIDE OPENINGS		DI
STORM DRAIN, MANHOLE & CATCH BASIN	24"SD SDMH D	24"SD SDMH D
SEWER MAIN, MANHOLE & CLEAN OUT	SS CO SSMH S	STD 505 CO STD 500 SSMH S
SEWER LATERAL & CLEANOUT	SS CO	STD 513 CO
IRRIGATION CONTROL VALVE BOX & SERVICE	IRR	IRR
FIRE HYDRANT & SERVICE ASSEMBLY	FH W	STD 857 FH
PUMPER CONNECTION	FH W W	STD 857 FH STD 858 LOW PROFILE FH; HIGH ZONE; LOW ZONE
WATER MAIN, GATE VALVE, CROSS & ELBOW	W	STD 877 GV
WATER MAIN, PERMANENT BLOWOFF, TEE, GATE VALVE, CROSS & BEND	W BO	BO STD 861 STD 877 GV
SINGLE WATER SERVICE (SEE PLANS FOR SIZE)		STD 863 & 889
SINGLE WATER SERVICE WITH INDIVIDUAL SERVICE PRESSURE REDUCING VALVE (SEE PLANS FOR SIZE)		STD 863 & MODIFIED DETAIL ON SHEET 35
DUAL WATER SERVICE (SEE PLANS FOR SIZE)		STD 864
MULTI WATER SERVICE MANIFOLD (SEE PLANS FOR SIZE & NUMBER OF SERVICES)		STD 887
MULTI WATER SERVICE MANIFOLD WITH INDIVIDUAL SERVICE PRESSURE REDUCING VALVES (SEE PLANS FOR SIZE & NUMBER OF SERVICES)		STD 887 & MODIFIED DETAIL ON SHEET 35
TEMPORARY BLOWOFF, REDUCER & TIE–IN	3" BO STD 859 W	3" BO STD 859 W
END CAP OR PLUG	E W	E W
GAS MAIN, VALVE & SERVICE	GV G G	GV G G
ELECTRICAL MANHOLE	E	E
TELEPHONE MANHOLE	T	T
PACIFIC BELL TELEPHONE PULL BOX/VAULT	TEL	TEL
ELECTRICAL CONDUIT & BOX	E E	E E
STREET LIGHT CONDUIT & BOX	SL SL	SL SL
STREET LIGHT		
TRAFFIC SIGNAL		
TRAFFIC SIGNAL PULL BOX	TS	TS
JOINT POLE & GUY ANCHOR		
OVERHEAD UTILITY	OH	OH
STREET ADDRESS	500 "STREET NAME"	
STREET SIGN		
FENCE	X X	X X
PARKING METER	P	P
SURVEY CONTROL POINT	△	△
SURVEY MONUMENT	◉	◎
AC DIKE		
CURB & GUTTER		
TREE PROTECTION		TP
ABANDON EXISTING UTILITY		///
TREE TO BE SAVED/PROTECTED		△
TREE TO BE REMOVED		⊠

BENCHMARK

BENCHMARK B186. ELEVATION=198.917 NGVD29.
CITY DISK IN WELL MONUMENT AT THE CENTERLINE INTERSECTION OF FARMERS LANE AND HOEN AVENUE.

BASIS OF BEARINGS

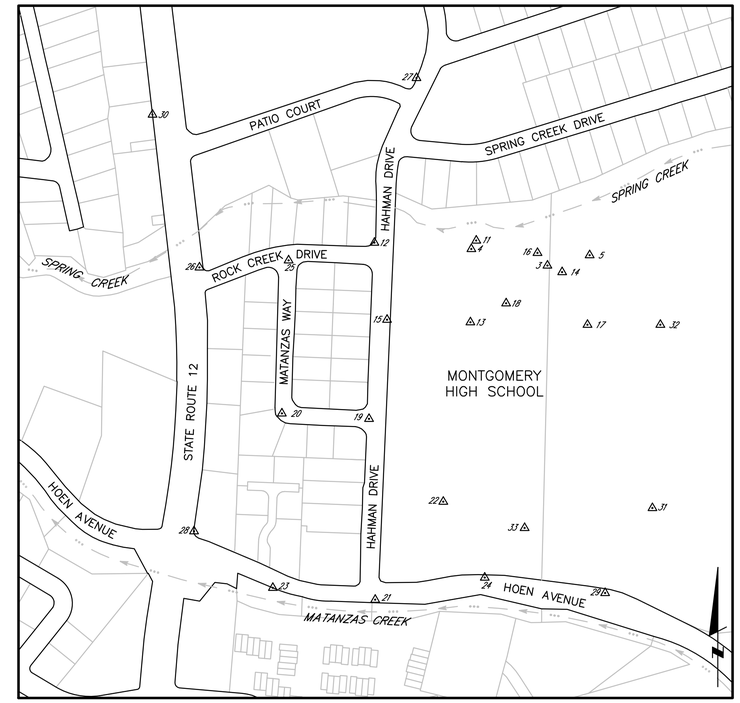
BEING SOUTH 02°26'29" WEST CALCULATED BETWEEN TWO FOUND CITY OF SANTA ROSA COORDINATE MONUMENTS G–280, FOUND 39 FEET NORTH OF THE CENTERLINE INTERSECTION OF FARMERS LANE AND ROCK CREEK DRIVE AND G–281, FOUND AT THE INTERSECTION OF FARMERS LANE AND HOEN AVENUE.

TOPOGRAPHIC MAP NOTES

1. FIELD SURVEYS WERE PERFORMED BY BRELJE & RACE ON 6/1/2020, 6/4/2020, 6/9/2020, 6/10/2020, 6/22/2020, 7/21/2020, 8/28/2020, 9/9/2020, 7/15/2021, 8/2/2021, 9/9/2021, 10/1/2021, 6/23/2023, 6/26/2023, 6/27/2023.
2. BOUNDARY INFORMATION SHOWN HEREON IS BASED ON RECORD DATA AND DOES NOT CONSTITUTE A FORMAL BOUNDARY DETERMINATION AND IS APPROXIMATE IN LENGTH, LOCATION AND DIRECTION. BOUNDARY INFORMATION PREPARED BY LICENSED LAND SURVEYOR AT BRELJE & RACE CONSULTING ENGINEERS.
3. DISTANCES AND ELEVATION ARE SHOWN IN FEET AND DECIMALS THEREOF.

CONTROL POINT COORDINATE TABLE

NO	NORTHING	EASTING	TYPE
3	1923131.548	6365815.739	CP–MAG
4	1923174.908	6365614.966	CP–MAG
5	1923158.616	6365927.157	CP–MAG
11	1923197.357	6365627.978	CP–MAG
12	1923191.597	6365359.052	CP–CUT–X
13	1922981.593	6365612.398	CP–CUT–X
14	1923114.053	6365854.657	CP–CUT–X
15	1922988.300	6365392.385	CP–CUT–X
16	1923164.860	6365789.468	CP–MAG
17	1922975.238	6365921.540	CP–CUT–X
18	1923031.641	6365706.683	CP–CUT–X
19	1922726.940	6365344.784	CP MAG
20	1922741.126	6365114.705	CP MAG
21	1922249.368	6365361.030	CP CUT X
22	1922508.256	6365540.872	CP CUT X
23	1922280.959	6365090.923	CP CUT X
24	1922307.817	6365650.299	CP CUT X
25	1923145.096	6365132.497	CP MAG
26	1923126.308	6364897.148	CP CUT X
27	1923626.186	6365470.016	CP CUT X
28	1922430.181	6364882.823	CP CUT X
29	1922267.165	6365968.096	CP CUT X
30	1923529.550	6364773.249	CP CUT X
31	1922491.377	6366092.910	CP MAG
32	1922974.926	6366113.860	CP MAG
33	1922438.695	6365755.475	CP MAG



SURVEY CONTROL DATA

NOT TO SCALE

SYMBOLS

DETAIL REFERENCE — A / 2 — DETAIL; CROSS REFERENCE SHEET NUMBER(S)

SECTION REFERENCE — 3 / 2 — SECTION NUMBER; CROSS REFERENCE SHEET NUMBER(S)

REGISTERED PROFESSIONAL ENGINEER — BENJAMIN L. BRELJE — No. 79218 — Exp. 3-31-26 — CIVIL — STATE OF CALIFORNIA

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WATER, SEWER & STORM DRAIN IMPROVEMENTS

ABBREVIATIONS, LEGEND & SURVEY CONTROL DATA

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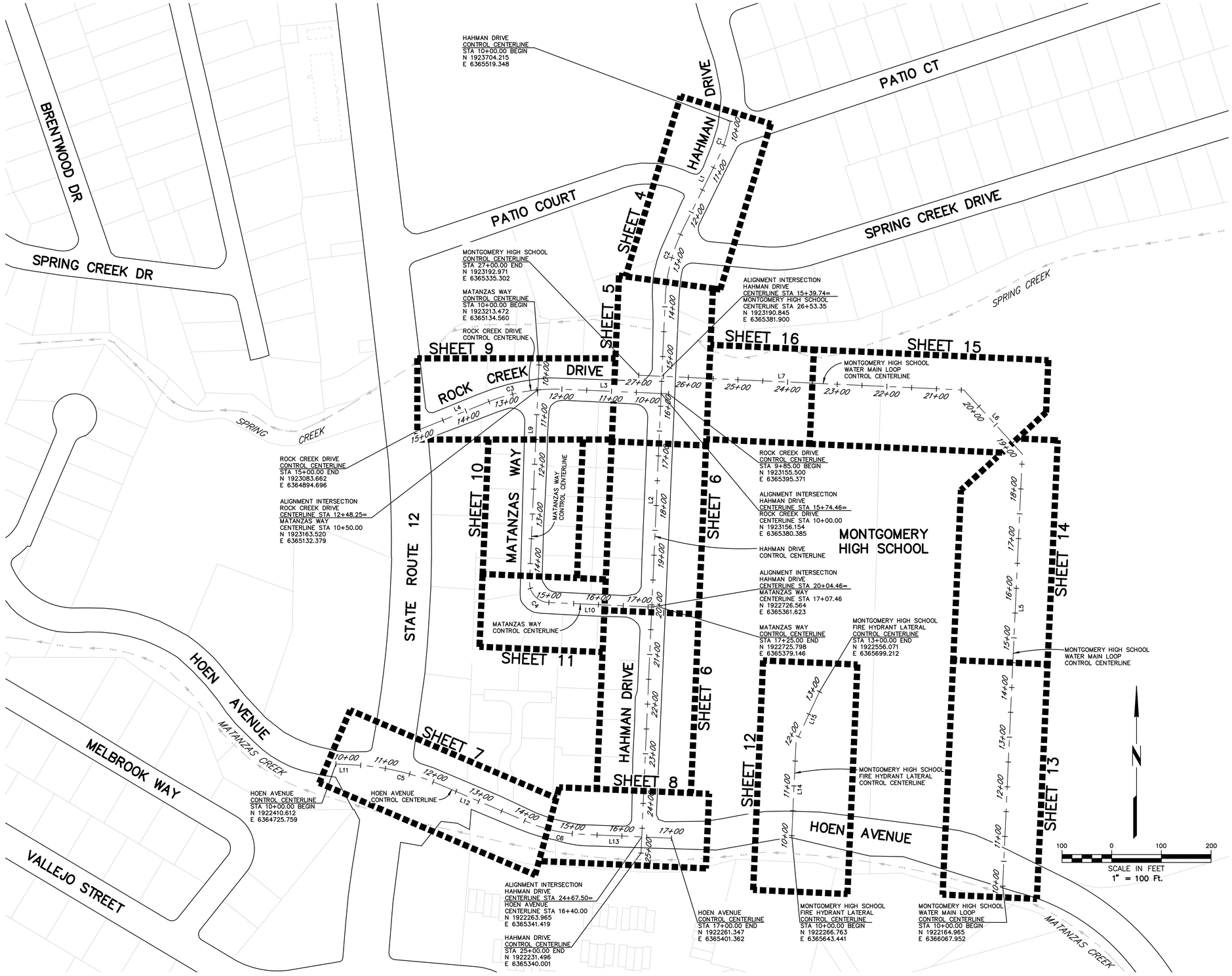

KEY MAP

SEE SHEET 2 FOR CONTROL POINT DATA, BENCHMARK, AND BASIS OF BEARING INFORMATION

HAHMAN DRIVE CONTROL CENTERLINE DATA

SEGMENT NUMBER	BEGINNING STATION	CENTERLINE CURVE OR TANGENT DATA
C1	10+00.00	R=290.00' Δ=16°28'39" L=83.40'
L1	10+83.40	S26°30'02.71"W 152.64'
C2	12+36.04	R=350.00' Δ=24°00'00" L=146.61'
L2	13+82.64	S2°30'02.71"W 1117.36'

ROCK CREEK DRIVE CONTROL CENTERLINE DATA

SEGMENT NUMBER	BEGINNING STATION	CENTERLINE CURVE OR TANGENT DATA
L3	9+85.00	N87°29'57.29"W 213.09'
C3	11+98.09	R=362.75' Δ=24°32'00" L=155.32'
L4	13+53.41	S67°58'02.71"W 146.59'

MONTGOMERY HIGH SCHOOL WATER MAIN LOOP CONTROL CENTERLINE DATA

SEGMENT NUMBER	BEGINNING STATION	CENTERLINE CURVE OR TANGENT DATA
L5	10+00.00	N2°36'45.33"E 870.14'
L6	18+70.14	N42°23'14.67"W 174.52'
L7	20+44.66	N87°23'14.67"W 655.34'

MONTGOMERY HIGH SCHOOL FIRE HYDRANT LATERAL CONTROL CENTERLINE DATA

SEGMENT NUMBER	BEGINNING STATION	CENTERLINE CURVE OR TANGENT DATA
L14	10+00.00	N2°37'13.62"E 188.95'
L15	11+88.95	N25°06'47.15"E 111.06'

MATANZAS WAY CONTROL CENTERLINE DATA

SEGMENT NUMBER	BEGINNING STATION	CENTERLINE CURVE OR TANGENT DATA
L9	10+00.00	S2°30'02.71"W 436.54'
C4	14+36.54	R=40.00' Δ=90°00'00" L=62.83'
L10	14+99.37	S87°29'57.29"E 225.63'

HOEN AVENUE CONTROL CENTERLINE DATA

SEGMENT NUMBER	BEGINNING STATION	CENTERLINE CURVE OR TANGENT DATA
L11	10+00.00	S87°28'50.17"E 31.12'
C5	10+31.12	R=520.00' Δ=20°35'16" L=186.85'
L12	12+17.97	S66°53'34.25"E 190.86'
C6	14+08.83	R=300.00' Δ=20°36'23" L=107.89'
L13	15+16.72	S87°29'57.29"E 183.28'

REGISTERED PROFESSIONAL ENGINEER
BENJAMIN L. PITT
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Exp. 3-31-26
CIVIL
STATE OF CALIFORNIA

City of Santa Rosa

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NO.	DATE	REVISION	BY

ROCK CREEK DRIVE & MATANZAS WAY
WATER, SEWER & STORM DRAIN IMPROVEMENTS

OVERALL UTILITY PLAN KEY MAP & CONTROL ALIGNMENT DATA

CHK BY:	BB
DATE:	JULY 2025
DWN BY:	PIT
SCALE:	AS SHOWN
CONTRACT NO.	C02290
SHEET	3 OF 37
FILE NO.	2024-0019

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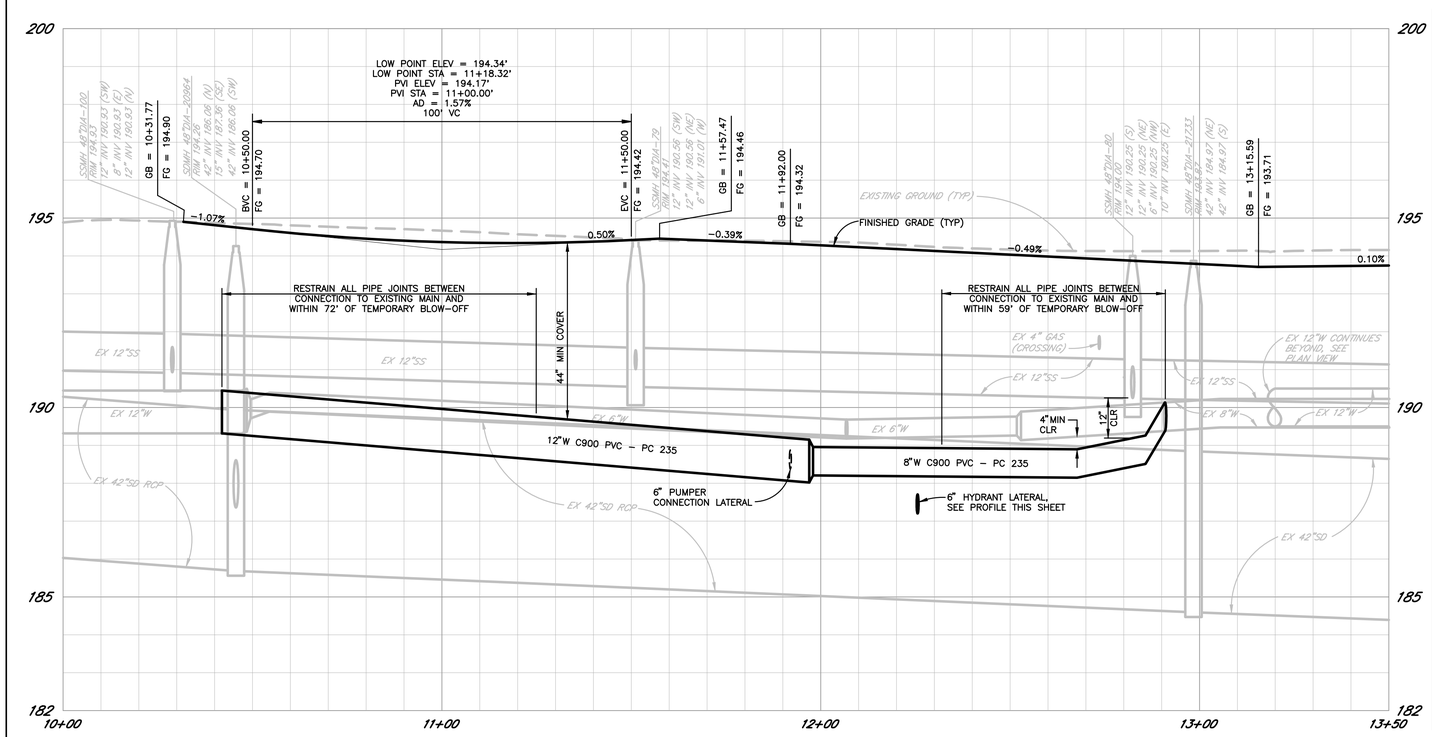
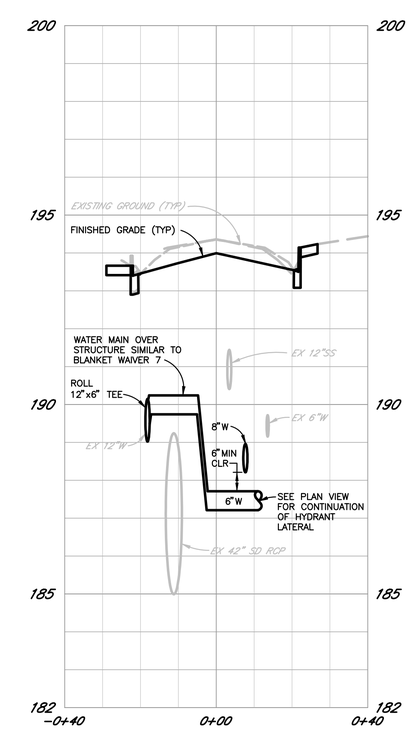
07-02-25 Patheal \4698\dwg\4698 00\4698.00 KEY.dwg TAB: 3 OVERALL UTILITY PLAN KEY MAP & CONTROL ALIGNMENT DATA



PROFILE

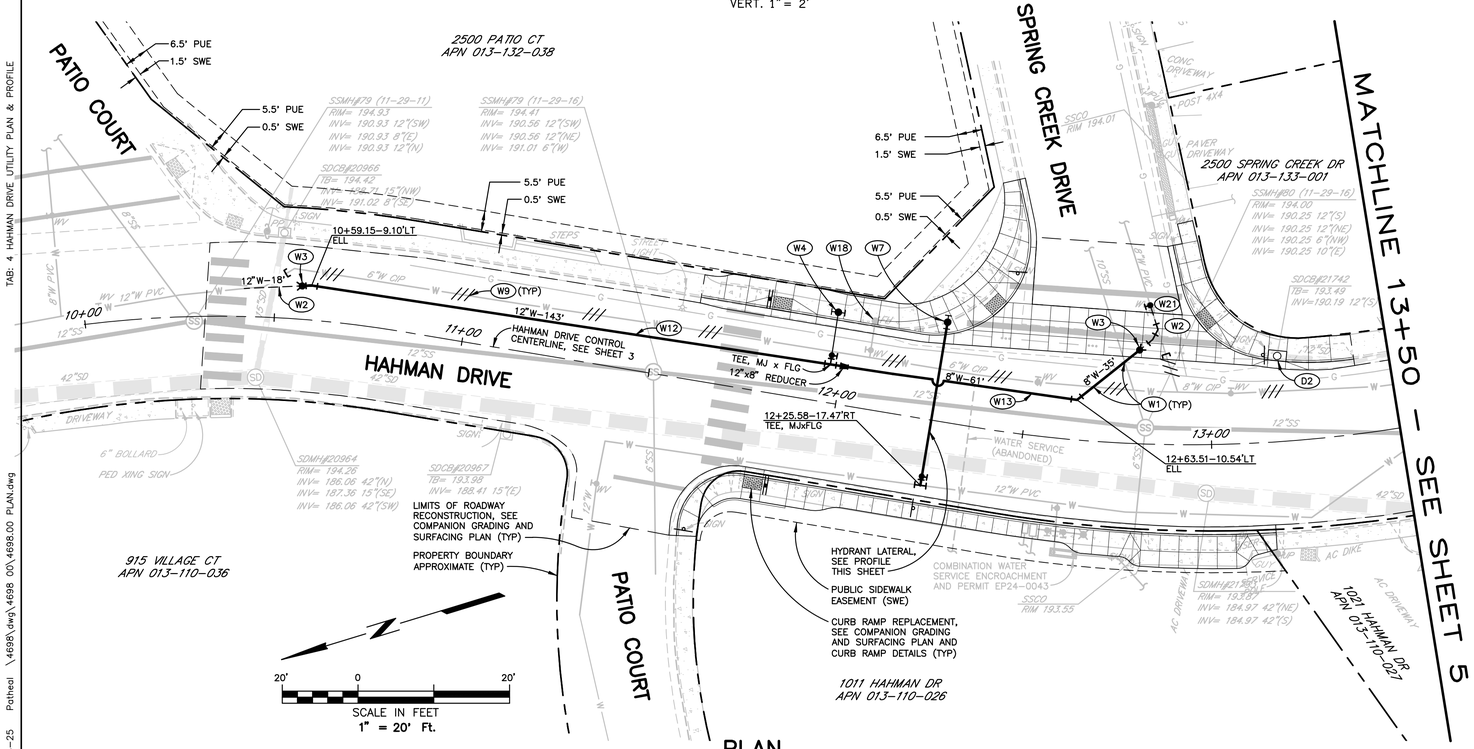
SCALE: HORZ. 1" = 20'
VERT. 1" = 2'

MATCHLINE 13+50 – SEE SHEET 5



HYDRANT LATERAL PROFILE

SCALE: HORZ. 1" =20'
VERT. 1" =2'



PLAN

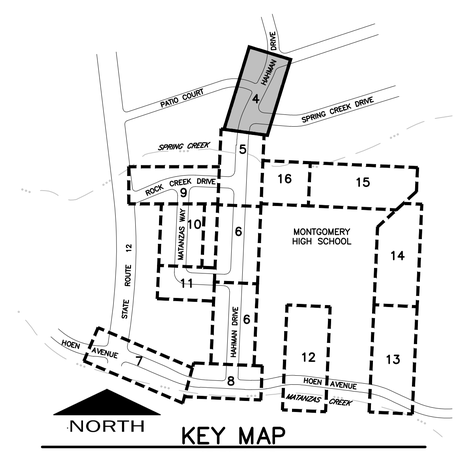
UTILITY NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

- W1 POTHOLE EXISTING UTILITY PRIOR TO CONSTRUCTION OF NEW WATER MAIN.
- W2 UPON SATISFACTORY COMPLETION OF WATER MAIN TESTING, MAKE WATER MAIN TIE IN AS A SINGLE OPERATION UNDER AUTHORIZED CITY INSPECTION. INSTALL FITTINGS AND COUPLINGS AS NECESSARY TO MAKE GRADE OR ALIGNMENT TRANSITION. RESTRAIN ALL JOINTS.
- W3 INSTALL TEMPORARY BLOWOFF PER CITY STD 859.
- W4 INSTALL PUMPER CONNECTION AND LATERAL PER CITY STD 858.
- W7 INSTALL PUBLIC FIRE HYDRANT AND LATERAL PER CITY STD 857.
- W9 ABANDON OR REMOVE EXISTING WATER SYSTEM COMPONENTS PER SECTION 132-1.17 OF THE CITY CONSTRUCTION SPECIFICATIONS.
- W12 INSTALL 12" PVC WATER MAIN PER CITY STDS.
- W13 INSTALL 8" PVC WATER MAIN PER CITY STDS.
- W18 REMOVE EXISTING FIRE HYDRANT AND APPURTENANCES. SALVAGE AND DELIVER FIRE HYDRANT TO CITY CORPORATION YARD.
- D2 REMOVE EXISTING STORM DRAIN CATCH BASIN TOP AND REPLACE PER CITY STD 402. TOP OF CATCH BASIN SHALL BE INSTALLED WITH A MAXIMUM 1.5% CROSS SLOPE.

SHEET NOTE

ROADWAY RECONSTRUCTION, SURFACING, AND STRIPING NOT SHOWN FOR CLARITY PURPOSES, SEE COMPANION GRADING & SURFACING PLAN ON SHEET 18.



KEY MAP

NOT TO SCALE

City of Santa Rosa
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REGISTERED PROFESSIONAL ENGINEER
BENJAMIN L. BRELJE
No. 79218
Exp. 3-31-26
CIVIL
STATE OF CALIFORNIA

NO.	DATE	REVISION	BY

ROCK CREEK DRIVE & MATANZAS WAY
WATER, SEWER & STORM DRAIN IMPROVEMENTS

HAHMAN DRIVE UTILITY
PLAN & PROFILE
STA.10+00-STA.13+50

CHK BY:	BB
DATE:	JULY 2025
DWN BY:	PIT
SCALE:	AS SHOWN
CONTRACT NO.	C02290
SHEET	4 OF 37
FILE NO.	2024-0019

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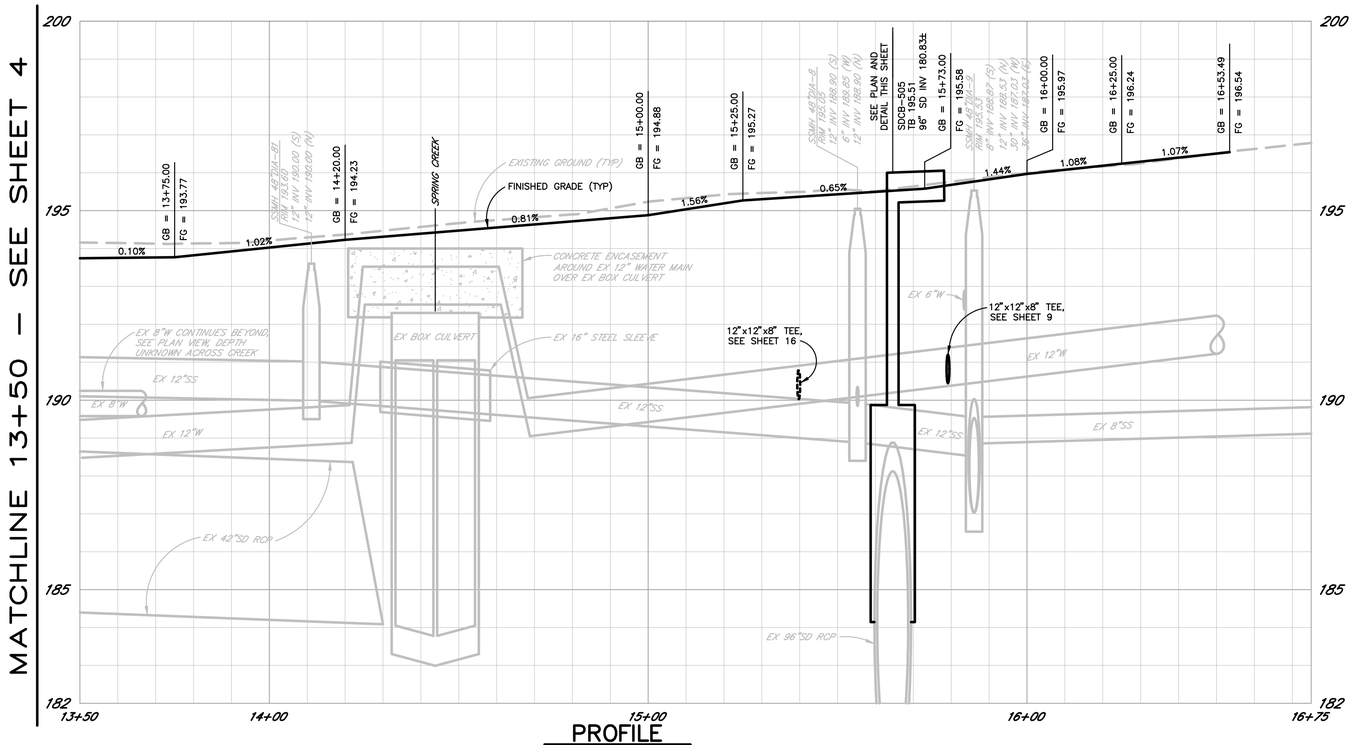
TAB: 4 HAHMAN DRIVE UTILITY PLAN & PROFILE

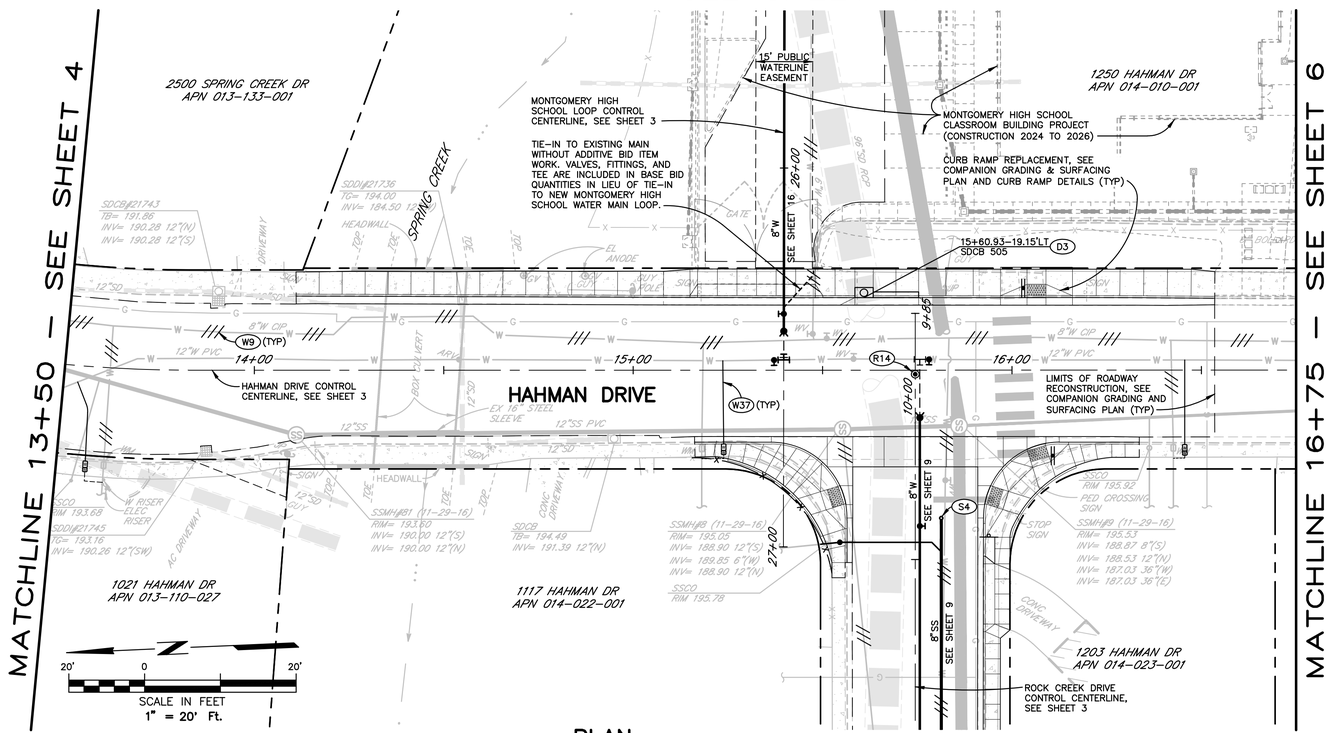
07-03-25 Pathesl \4698\dwg\4698 00\4698.00 PLAN.dwg



PROFILE

SCALE: HORZ. 1" = 20'
VERT. 1" = 2'

SEE SHEET 16



PLAN

SEE SHEET 9

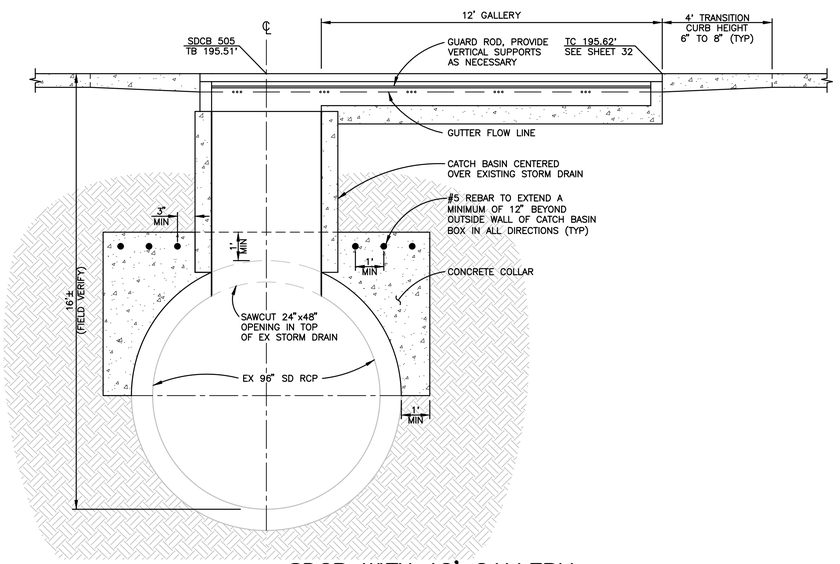
SHEET NOTE

ROADWAY RECONSTRUCTION, SURFACING, AND STRIPING NOT SHOWN FOR CLARITY PURPOSES, SEE COMPANION GRADING & SURFACING PLAN ON SHEET 18 AND 19.

UTILITY NOTES

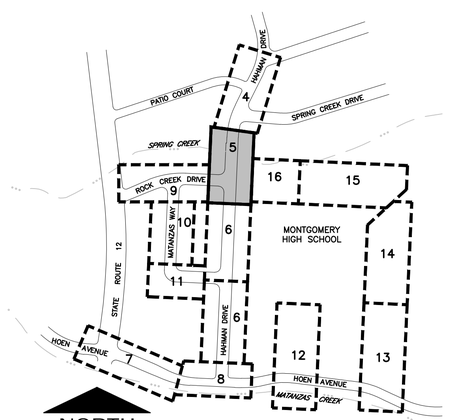
(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

- W9 ABANDON OR REMOVE EXISTING WATER SYSTEM COMPONENTS PER SECTION 132-1.17 OF THE CITY CONSTRUCTION SPECIFICATIONS.
- W37 HOT TAP EXISTING MAIN AND INSTALL 1" HDPE WATER SERVICE PLUMBED FOR 5/8"X3/4" METER PER CITY STD 863A WITH PRESSURE REDUCING VALVE PER DETAIL ON SHEET 36. HOT TAP EXISTING MAIN UNDER AUTHORIZED CITY INSPECTION.
- D3 INSTALL SDCB WITH 12' GALLERY PER CITY STD 402, 404, AND DETAIL THIS SHEET.
- R14 REPLACE CITY MONUMENT PER CITY STD 280. NOTIFY CITY SURVEY DEPARTMENT BEFORE CONSTRUCTION FOR CORNER RECORD SURVEY.
- S4 INSTALL PERMANENT MAIN LINE CLEANOUT PER CITY STD 505.



SDCB WITH 12' GALLERY

SCALE: 3/8" = 1'



KEY MAP

NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER BENJAMIN L. PITT No. 79218 Exp. 3-31-26 CIVIL STATE OF CALIFORNIA

City of Santa Rosa

Brelje & Race
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NO.	DATE	REVISION	BY

ROCK CREEK DRIVE & MATANZAS WAY
WATER, SEWER & STORM DRAIN IMPROVEMENTS

HAHMAN DRIVE UTILITY
PLAN & PROFILE
STA.13+50-STA.16+75

CHK BY:	BB
DATE:	JULY 2025
DWN BY:	PIT
SCALE:	AS SHOWN
CONTRACT NO. C02290	
SHEET 5 OF 37	
FILE NO. 2024-0019	

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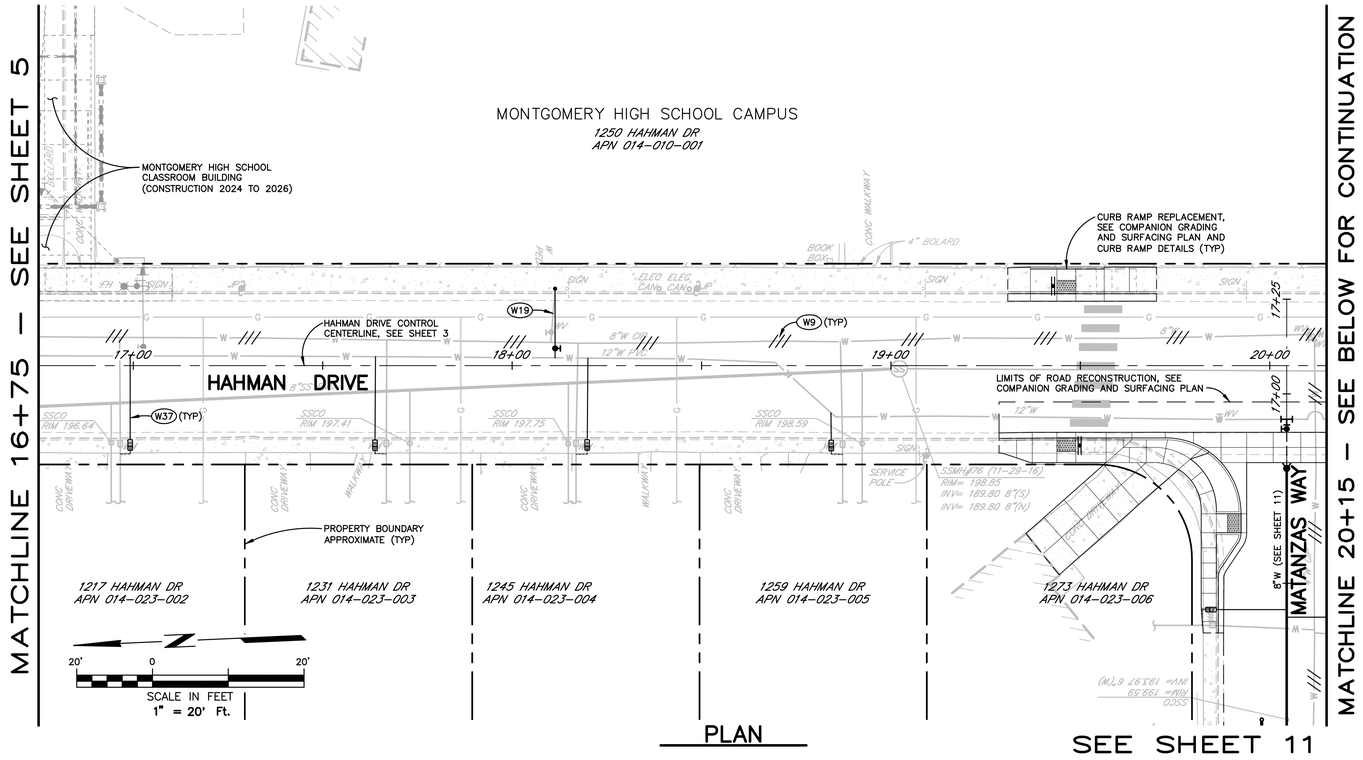
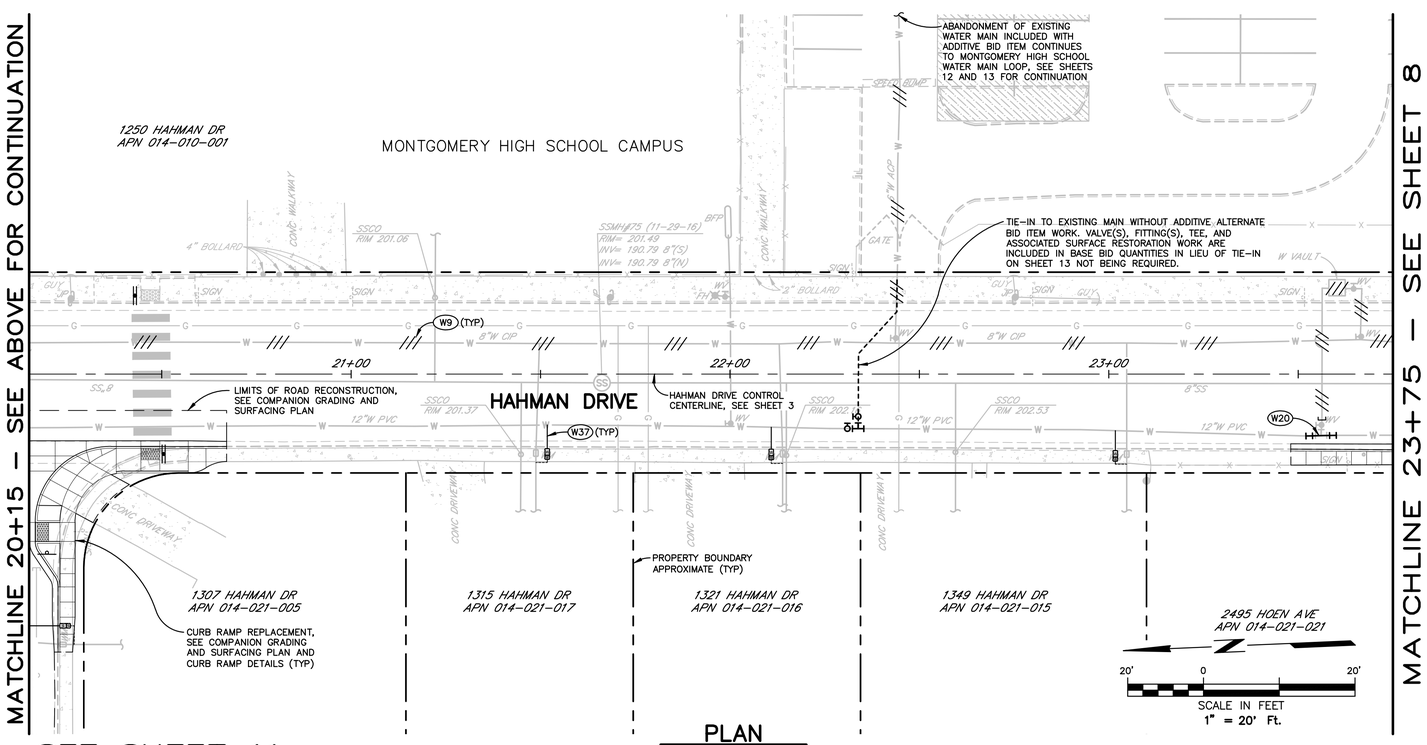
TAB: 5 HAHMAN DRIVE UTILITY PLAN & PROFILE

07-03-25 Patheal \4698\dwg\4698 00\4698.00 PLAN.dwg



PLAN

SEE SHEET 11



PLAN

SEE SHEET 11

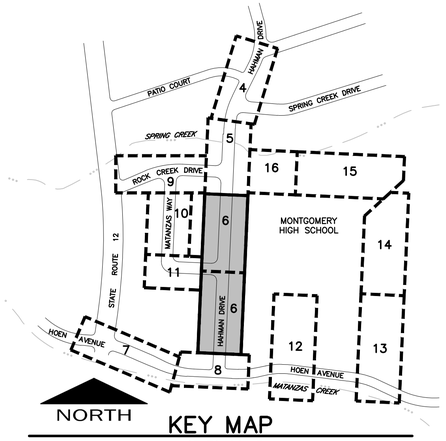
UTILITY NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

- (W9) ABANDON OR REMOVE EXISTING WATER SYSTEM COMPONENTS PER SECTION 132-1.17 OF THE CITY CONSTRUCTION SPECIFICATIONS.
- (W19) REMOVE AND REPLACE WATER SAMPLING STATION. HOT TAP EXISTING MAIN, INSTALL GATE VALVE, AND INSTALL WATER SAMPLING STATION PER CITY STD 886. ALL PARTS SHALL BE DISINFECTED AT THE TIME OF INSTALLATION AND LINE SHALL BE FLUSHED IMMEDIATELY AFTER INSTALLATION. SALVAGE AND RE-USE EXISTING PEDESTAL. HOT TAP EXISTING MAIN UNDER AUTHORIZED CITY INSPECTION.
- (W20) REMOVE TEE AND VALVE AND INSTALL PIPE AND COUPLINGS UNDER CITY INSPECTION. PERFORM WORK UNDER AUTHORIZED CITY INSPECTION DURING SHUTDOWN FOR ADJACENT WATER MAIN TIE-IN.
- (W37) HOT TAP EXISTING MAIN AND INSTALL 1" HDPE WATER SERVICE PLUMBED FOR 5/8"X3/4" METER PER CITY STD 863A WITH PRESSURE REDUCING VALVE PER DETAIL ON SHEET 36. HOT TAP EXISTING MAIN UNDER AUTHORIZED CITY INSPECTION.

SHEET NOTE

ROADWAY RECONSTRUCTION, SURFACING, AND STRIPING NOT SHOWN FOR CLARITY PURPOSES, SEE COMPANION SURFACING PLAN ON SHEET 19.



KEY MAP

NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER BENJAMIN L. BRELJE No. 79218 Exp. 3-31-26 CIVIL STATE OF CALIFORNIA

City of Santa Rosa

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NO.	DATE	REVISION	BY

ROCK CREEK DRIVE & MATANZAS WAY
WATER, SEWER & STORM DRAIN IMPROVEMENTS

HAHMAN DRIVE
UTILITY PLAN
STA.16+75-STA.23+75

CHK BY:	BB
DATE:	JULY 2025
DWN BY:	PIT
SCALE:	AS SHOWN
CONTRACT NO.	C02290
SHEET	6 OF 37
FILE NO.	2024-0019

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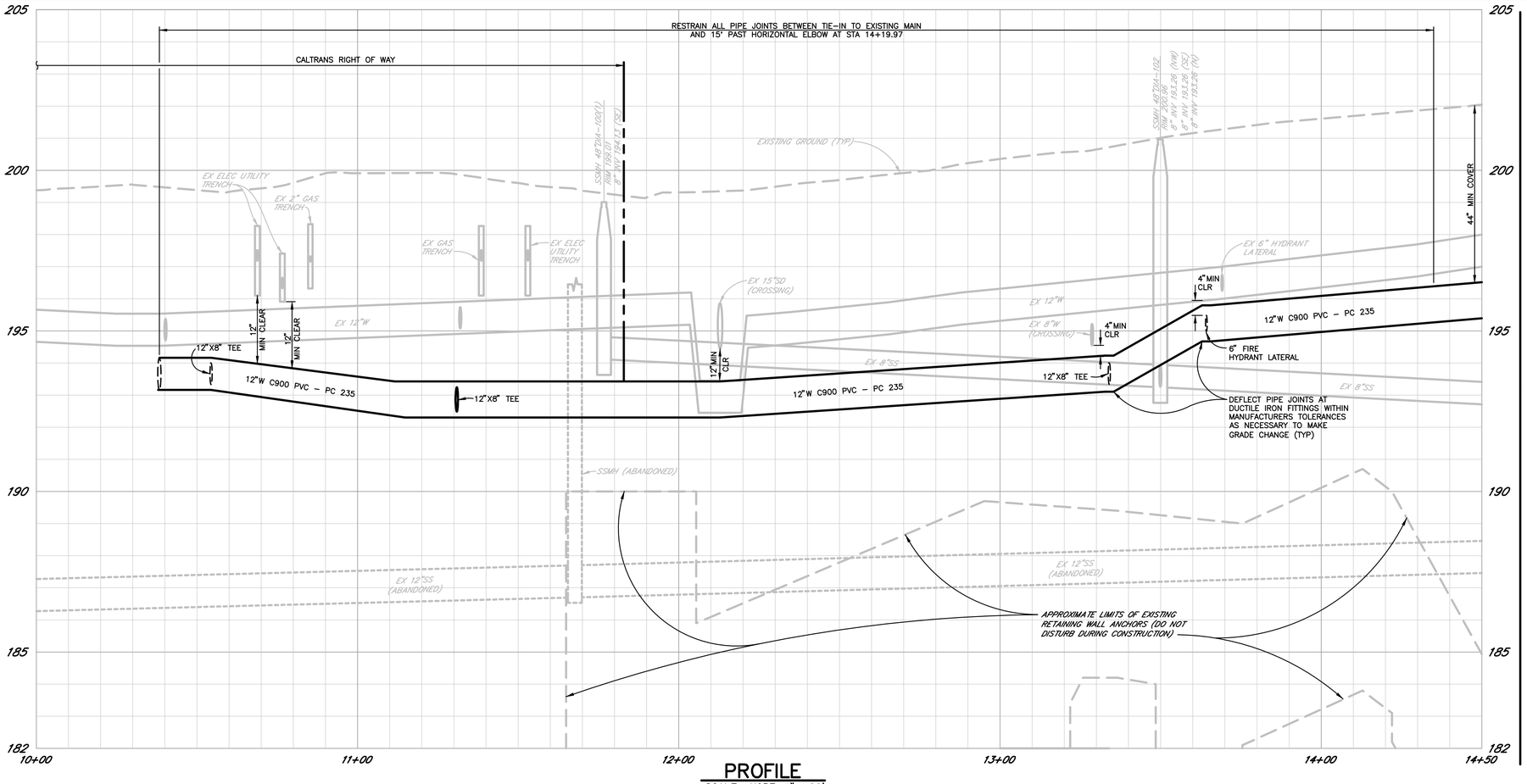
TAB: 6 HAHMAN DRIVE UTILITY PLAN

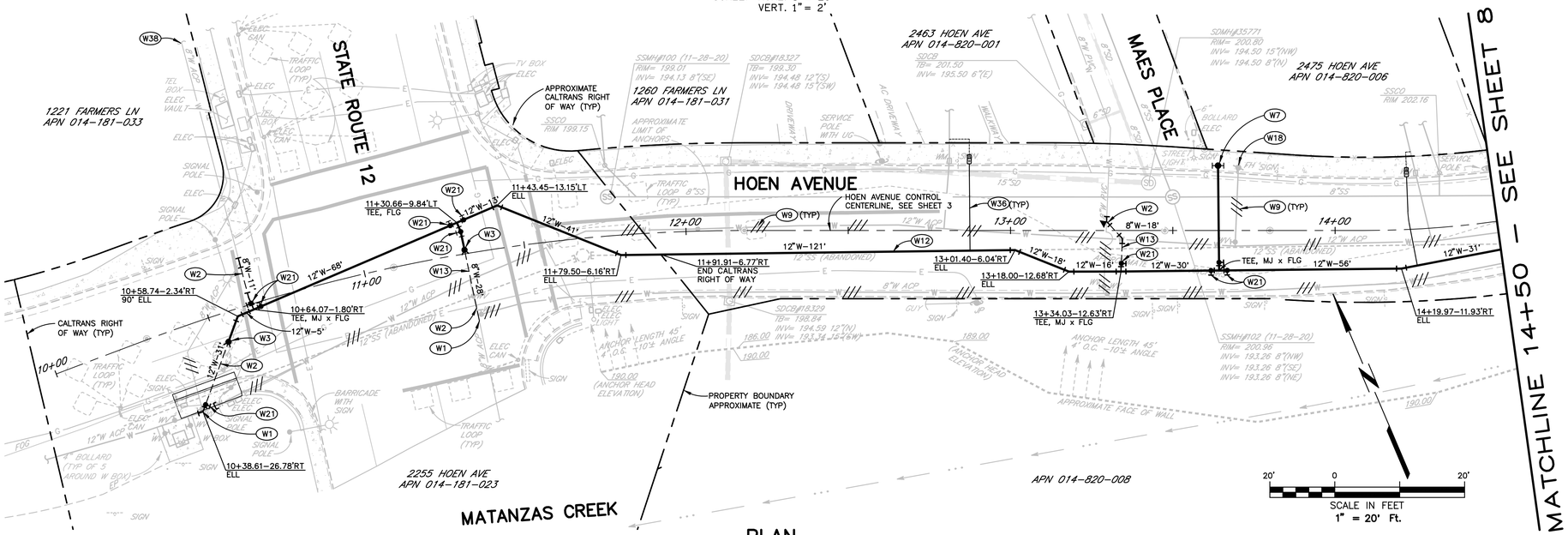
07-07-25 Scalabrini \4698\dwg\4698 00\4698.00 PLAN.dwg



PROFILE

SCALE: HORZ. 1" = 20'
VERT. 1" = 2'

MATCHLINE 14+50 – SEE SHEET 8



PLAN

MATCHLINE 14+50 – SEE SHEET 8

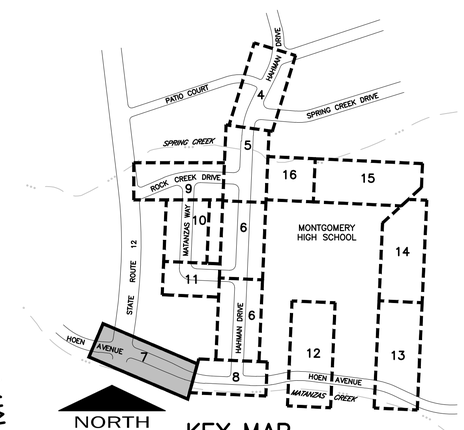
UTILITY NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

- W1 POTHOLE EXISTING UTILITY PRIOR TO CONSTRUCTION OF NEW WATER MAIN.
- W2 UPON SATISFACTORY COMPLETION OF WATER MAIN TESTING, MAKE WATER MAIN TIE IN AS A SINGLE OPERATION UNDER AUTHORIZED CITY INSPECTION. INSTALL FITTINGS AND COUPLINGS AS NECESSARY TO MAKE GRADE OR ALIGNMENT TRANSITION. RESTRAIN ALL JOINTS.
- W3 INSTALL TEMPORARY BLOWOFF PER CITY STD 859.
- W7 INSTALL PUBLIC FIRE HYDRANT AND LATERAL PER CITY STD 857.
- W9 ABANDON OR REMOVE EXISTING WATER SYSTEM COMPONENTS PER SECTION 132–1.17 OF THE CITY CONSTRUCTION SPECIFICATIONS.
- W12 INSTALL 12" PVC WATER MAIN PER CITY STDS.
- W13 INSTALL 8" PVC WATER MAIN PER CITY STDS.
- W18 REMOVE EXISTING FIRE HYDRANT AND APPURTENANCES. SALVAGE AND DELIVER FIRE HYDRANT TO CITY CORPORATION YARD.
- W21 INSTALL GATE VALVE PER CITY STD 877.
- W36 INSTALL 1" HDPE WATER SERVICE PLUMBED FOR 5/8"X3/4" METER PER CITY STD 863A WITH PRESSURE REDUCING VALVE PER DETAIL ON SHEET 36.
- W38 INSTALL 1" AND 2" PRESSURE REDUCING VALVES ON EXISTING ABOVE GROUND BACKFLOW PREVENTER MANIFOLDS AT DOMESTIC AND IRRIGATION SERVICES TO 1221 FARMERS LANE PER DETAIL ON SHEET 36. INSTALL PRESSURE REDUCING VALVES BETWEEN EXISTING METER TO REMAIN AND ABOVE GROUND BACKFLOW PREVENTER. SERVICES ARE LOCATED IN LANDSCAPE STRIP APPROXIMATELY 150 FEET NORTH OF STATE ROUTE 12 AND HOEN AVENUE INTERSECTION. PERFORM WORK TO MINIMIZE SERVICE DISRUPTION TO ONE BUSINESS DAY. RE-CERTIFY EXISTING BACKFLOW DEVICES.

SHEET NOTES

1. ROADWAY RECONSTRUCTION, SURFACING, AND STRIPING NOT SHOWN FOR CLARITY PURPOSES, SEE COMPANION SURFACING PLAN ON SHEET 20.
2. CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT (DOUBLE PERMIT) FROM THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) PRIOR TO BEGINNING ANY WORK BETWEEN HOEN AVENUE CONTROL ALIGNMENT STATION 10+00 AND 13+00, OR REQUIRES TRAFFIC CONTROL WITHIN THE STATE RIGHT–OF–WAY.
3. ALL WORK REQUIRING SHUTDOWN OF A LANE WITHIN THE CALTRANS RIGHT–OF–WAY SHALL BE PERFORMED AS NIGHT WORK BETWEEN THE HOURS OF 8 P.M. AND 5 A.M.
4. CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO CALTRANS FOR APPROVAL A MINIMUM OF TWO WEEKS PRIOR TO PERFORMING ANY WORK IN THE CALTRANS RIGHT–OF–WAY INCLUDING TRAFFIC CONTROL.
5. ALL CURB, GUTTER, MONUMENTS, SURFACING, STRIPING, MARKERS, OR OTHER FACILITIES WITHIN THE CALTRANS RIGHT–OF–WAY DAMAGED DURING CONSTRUCTION SHALL BE REPLACED IN ACCORDANCE WITH THE CURRENT CALTRANS STANDARDS TO MATCH EXISTING.
6. BACKFILL AND SURFACING WITHIN THE CALTRANS RIGHT–OF–WAY INTERSECTION BETWEEN STATION 10+61.39 AND STATION 11+54.33 SHALL CONFORM TO THE MODIFIED CALTRANS TRENCH PAVING DETAIL ON SHEET 20. TRENCHING AND BEDDING SHALL CONFORM TO CITY STD 215. TRENCHING BEDDING, BACKFILL AND SURFACING OUTSIDE THESE LIMITS SHALL CONFORM TO CITY STD 215 AND AS INDICATED ON THE SURFACING PLAN.
7. ALL WORK WITHIN THE CALTRANS RIGHT–OF–WAY INCLUDING FINAL PAVING SHALL BE COMPLETED PRIOR TO JANUARY 1, 2026.



KEY MAP

NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER BENJAMIN L. PITT No. 79218 Exp. 3-31-26 CIVIL STATE OF CALIFORNIA

City of Santa Rosa

Brelje & Race
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NO.	DATE	REVISION	BY

ROCK CREEK DRIVE & MATANZAS WAY
WATER, SEWER & STORM DRAIN IMPROVEMENTS

HOEN AVENUE UTILITY
PLAN & PROFILE
STA.10+00-STA.14+50

CHK BY:	BB
DATE:	JULY 2025
DWN BY:	PIT
SCALE:	AS SHOWN
CONTRACT NO.	C02290
SHEET	7 OF 37
FILE NO.	2024-0019

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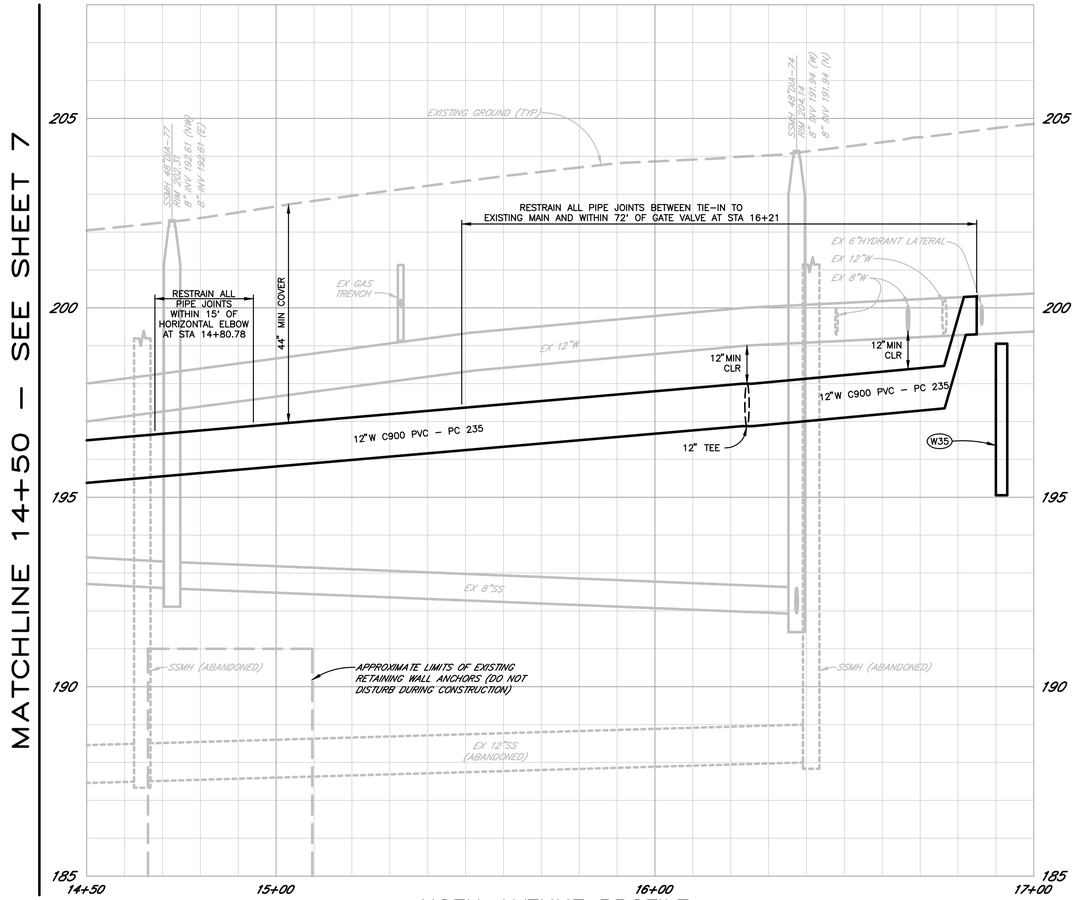
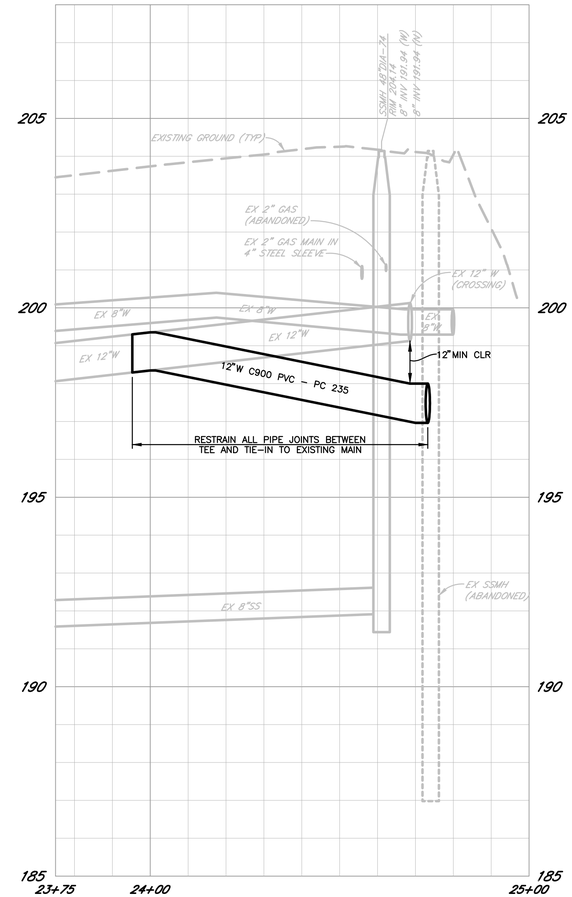
TAB: 7 HOEN AVENUE UTILITY PLAN & PROFILE

07-03-25 Pathcal \4698\dwg\4698 00\4698.00 PLAN.dwg



HOEN AVENUE PROFILE

SCALE: HORZ. 1" = 20'
VERT. 1" = 2'



HAHMAN DRIVE PROFILE

SCALE: HORZ. 1" = 20'
VERT. 1" = 2'

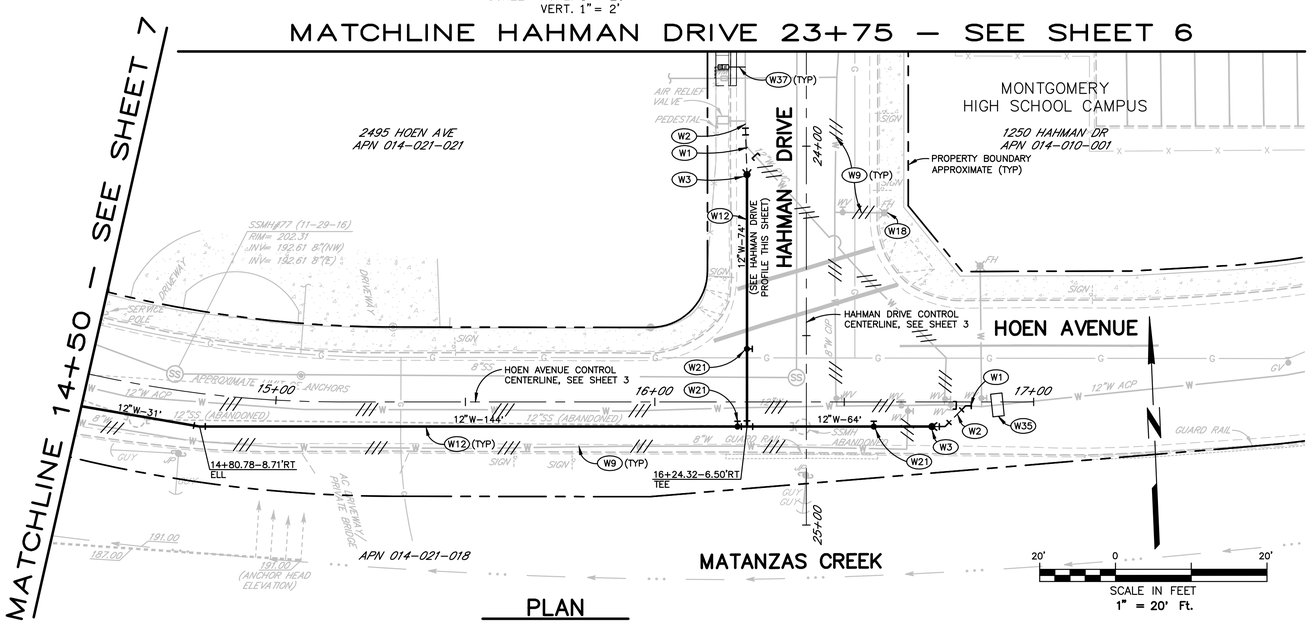
UTILITY NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

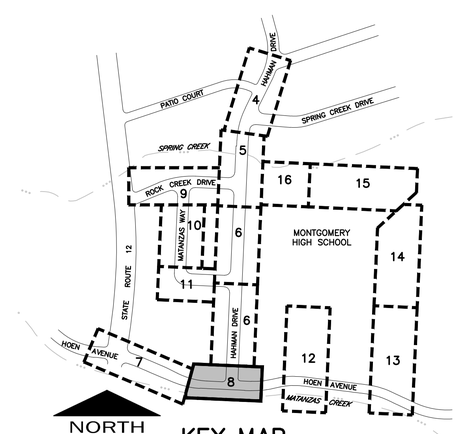
- (W1) POTHOLE EXISTING UTILITY PRIOR TO CONSTRUCTION OF NEW WATER MAIN.
- (W2) UPON SATISFACTORY COMPLETION OF WATER MAIN TESTING, MAKE WATER MAIN TIE IN AS A SINGLE OPERATION UNDER AUTHORIZED CITY INSPECTION. INSTALL FITTINGS AND COUPLINGS AS NECESSARY TO MAKE GRADE OR ALIGNMENT TRANSITION. RESTRAIN ALL JOINTS.
- (W3) INSTALL TEMPORARY BLOWOFF PER CITY STD 859.
- (W9) ABANDON OR REMOVE EXISTING WATER SYSTEM COMPONENTS PER SECTION 132-1.17 OF THE CITY CONSTRUCTION SPECIFICATIONS.
- (W12) INSTALL 12" PVC WATER MAIN PER CITY STDS.
- (W18) REMOVE EXISTING FIRE HYDRANT AND APPURTENANCES. SALVAGE AND DELIVER FIRE HYDRANT TO CITY CORPORATION YARD.
- (W21) INSTALL GATE VALVE PER CITY STD 877.
- (W35) INSTALL HARNESS RESTRAINT SIMILAR TO CITY STD 852 AT LEAST 24 HOURS PRIOR TO TIE-IN.
- (W37) HOT TAP EXISTING MAIN AND INSTALL 1" HDPE WATER SERVICE PLUMBED FOR 5/8"X3/4" METER PER CITY STD 863A WITH PRESSURE REDUCING VALVE PER DETAIL ON SHEET 36. HOT TAP EXISTING MAIN UNDER AUTHORIZED CITY INSPECTION.

SHEET NOTES

ROADWAY RECONSTRUCTION, SURFACING, AND STRIPING NOT SHOWN FOR CLARITY PURPOSES, SEE COMPANION SURFACING PLAN ON SHEETS 19 AND 20.



PLAN



KEY MAP

NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER BENJAMIN L. BRELJE No. 79218 Exp. 3-31-26 CIVIL STATE OF CALIFORNIA

City of Santa Rosa

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NO.	DATE	REVISION	BY

ROCK CREEK DRIVE & MATANZAS WAY
WATER, SEWER & STORM DRAIN IMPROVEMENTS

HOEN AVENUE UTILITY PLAN & PROFILE STA.14+50-STA.17+00

CHK BY:	BB
DATE:	JULY 2025
DWN BY:	PIT
SCALE:	AS SHOWN
CONTRACT NO. C02290	
SHEET 8 OF 37	
FILE NO. 2024-0019	

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TAB: 8 HOEN AVENUE UTILITY PLAN & PROFILE

07-03-25 Patheal \4698\dwg\4698 00\4698.00 PLAN.dwg

UTILITY NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

(W1) POTHOLE EXISTING UTILITY PRIOR TO CONSTRUCTION OF NEW WATER MAIN.

(W2) UPON SATISFACTORY COMPLETION OF WATER MAIN TESTING, MAKE WATER MAIN TIE IN AS A SINGLE OPERATION UNDER AUTHORIZED CITY INSPECTION. INSTALL FITTINGS AND COUPLINGS AS NECESSARY TO MAKE GRADE OR ALIGNMENT TRANSITION. RESTRAIN ALL JOINTS.

(W3) INSTALL TEMPORARY BLOWOFF PER CITY STD 859.

(W6) CUT–IN 12"x12"x8" TEE, COUPLINGS, FITTINGS, PIPE, AND VALVE(S) AS SHOWN. CONNECT TO EXISTING 12" MAIN AS SHOWN IN A SINGLE OPERATION UNDER AUTHORIZED CITY INSPECTION.

(W7) INSTALL PUBLIC FIRE HYDRANT AND LATERAL PER CITY STD 857.

(W13) INSTALL 8" PVC WATER MAIN PER CITY STDS.

(W15) INSTALL PERMANENT DEADEND FULL SIZE BLOW–OFF PER CITY STD 862.

(W16) INSTALL 4" DUCTILE IRON MULTI–SERVICE MANIFOLD PER CITY STD 887. INSTALL THREE (3) 1" HDPE WATER SERVICES AND METERS PER CITY STD 863A EACH WITH PRESSURE REDUCING VALVES PER DETAIL ON SHEET 35. PROVIDE 4" TEMPORARY BLOW–OFF SIMILAR TO CITY STD 859 FOR WATER MAIN TESTING. UPON SATISFACTORY COMPLETION OF WATER MAIN TESTING, PERFORM MULTI SERVICE MANIFOLD AND METER REPLACEMENT WORK DURING NON–BUSINESS HOURS. RE–CERTIFY EXISTING BACKFLOW DEVICES.

(W18) REMOVE EXISTING FIRE HYDRANT AND APPURTENANCES. SALVAGE AND DELIVER FIRE HYDRANT TO CITY CORPORATION YARD.

(W21) INSTALL GATE VALVE PER CITY STD 877.

(W22) INSTALL HALF WATER MAIN OVER STRUCTURE PER CITY BLANKET WAIVER #7.

(W33) REMOVE AND REPLACE EXISTING 6" SEWER AS NECESSARY TO CONSTRUCT NEW WATER MAIN. SEWER MAIN LOCATED ABOVE AND WITHIN 5' HORIZONTAL SEPARATION TO NEW WATER MAIN SHALL BE WRAPPED PER CITY BLANKET WAIVER 5. ADJUST HORIZONTAL ALIGNMENT OF TEMPORARY EXISTING SEWER AS NECESSARY TO PROVIDE A MINIMUM OF 3' HORIZONTAL CLEARANCE TO NEW WATER MAIN.

(W36) INSTALL 1" HDPE WATER SERVICE PLUMBED FOR 5/8"X3/4" METER PER CITY STD 863A WITH PRESSURE REDUCING VALVE PER DETAIL ON SHEET 36.

(S1) REMOVE AND PROPERLY DISPOSE OF EXISTING SANITARY SEWER MAIN WHERE ENCOUNTERED DURING EXCAVATION FOR NEW SANITARY SEWER MAIN OR WATER MAIN. ABANDON PER CITY STD 507 WHERE EXISTING SEWER EXTENDS BEYOND EXCAVATION LIMITS.

(S2) REMOVE AND PROPERLY DISPOSE OF EXISTING SANITARY SEWER MANHOLE.

(S3) INSTALL 8" SANITARY SEWER MAIN PER CITY STDS, TRENCH DETAILS PER SHEET 34 AND CITY STD 215.

(S4) INSTALL PERMANENT MAIN LINE CLEANOUT PER CITY STD 505.

(S5) INSTALL 48" SANITARY SEWER MANHOLE PER CITY STD 500, WITH BOLT DOWN LID PER CITY STD 512.

(S6) INSTALL 4" SANITARY SEWER LATERAL AND CLEANOUT SIMILAR TO CITY STD 513A REMOVE OR ABANDON EXISTING LATERAL PER CITY STD 507.

(S7) CONNECT TO EXISTING MANHOLE. MODIFY EXISTING MANHOLE BASE FOR NEW SANITARY SEWER CONNECTION. PLUG EXISTING WESTERLY VOID TO BE ABANDONED WITH CONCRETE INCLUDING APPLICATION OF BONDING AGENT AFTER REMOVAL OF EXISTING 8" SEWER. PERFORM WORK PER CITY CONSTRUCTION STD SPECIFICATION 130–1.07A.

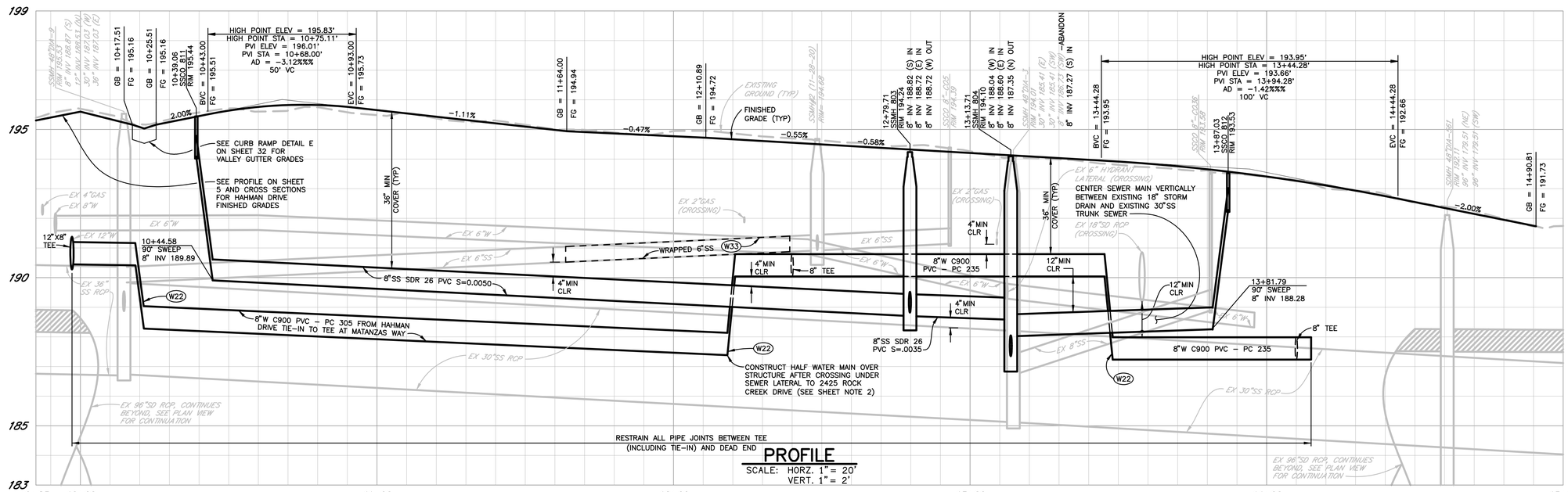
(S12) INSTALL 6" SANITARY SEWER LATERAL AND CLEANOUT SIMILAR TO CITY STD 513A REMOVE OR ABANDON EXISTING LATERAL PER CITY STD 507.

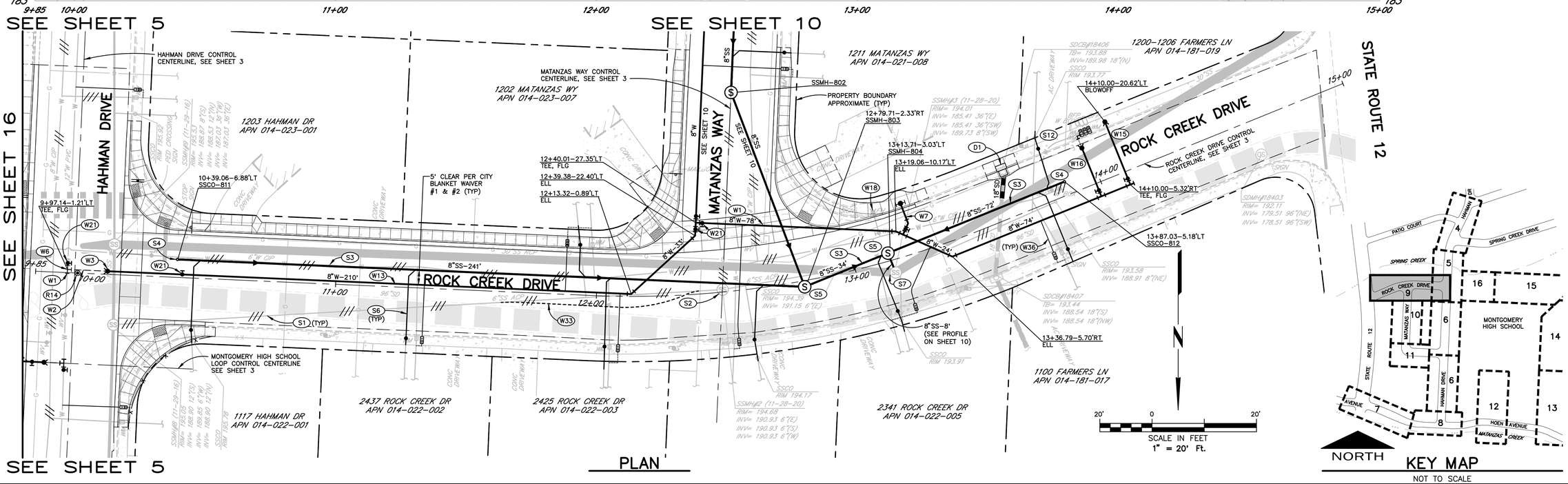
(R14) REPLACE CITY MONUMENT PER CITY STD 280. NOTIFY CITY SURVEY DEPARTMENT BEFORE CONSTRUCTION FOR CORNER RECORD SURVEY.

(D1) REMOVE EXISTING DROP INLET AND REPLACE WITH OLD CASTLE TYPE GOL CATCH BASIN WITH CALTRANS TYPE 24–13 FRAME AND GRATE PER STANDARD DRAWING D77–1 & B SIMILAR TO CITY STD 403. INSTALL NEW 18" RCP STORM DRAIN AND RECONNECT TO EXISTING.

SHEET NOTES

1. ROADWAY RECONSTRUCTION, SURFACING, AND STRIPING NOT SHOWN FOR CLARITY PURPOSES, SEE COMPANION GRADING & SURFACING PLAN ON SHEETS 19 AND 21.
2. INSTALLATION OF NEW WATER SYSTEM ALONG ROCK CREEK DRIVE SHALL BE COMPLETED PRIOR TO INSTALLATION OF NEW SEWER ALONG ROCK CREEK DRIVE TO ACCOMMODATE REMOVAL OF EXISTING WATER SYSTEM COMPONENTS NECESSARY FOR INSTALLATION OF NEW SANITARY SEWER SYSTEM ADDITION TIE–INS AND TEMPORARY BLOWOFFS.
3. ACCESS TO THE COMMERCIAL DRIVEWAY LOCATED ON ROCK CREEK DRIVE SERVING 1200–1206 FARMERS LANE (APN 014–181–019) SHALL BE MAINTAINED FROM EITHER FARMERS LANE OR HAHMAN DRIVE AT ALL TIMES DURING NORMAL BUSINESS HOURS. DRIVEWAY ACCESS MAY BE LIMITED DURING SURFACING REPLACEMENT WORK WHICH SHALL OCCUR ON A FRIDAY, SATURDAY, OR OTHER NON–WORKING DAY APPROVED IN WRITING BY THE ENGINEER.
4. PROVIDE POTHOLE RESULTS TO ENGINEER FOR REVIEW AND PRIOR TO CONSTRUCTION OF NEW WATER MAIN. POTHOLE ALL SEWER LATERALS ALONG ROCK CREEK DRIVE AT THE BACK OF SIDEWALK PRIOR TO WATER MAIN INSTALLATION. POTHOLE ALL CROSSINGS OF NEW WATER MAIN AND EXISTING WATER MAIN AND EXISTING GAS MAIN ALONG ROCK CREEK DRIVE PRIOR TO NEW WATER MAIN INSTALLATION.





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NO.	DATE	REVISION	BY

ROCK CREEK DRIVE & MATANZAS WAY
WATER, SEWER & STORM DRAIN IMPROVEMENTS

ROCK CREEK DRIVE UTILITY PLAN & PROFILE STA.9+85-STA.15+00

CHK BY:	BB
DATE:	JULY 2025
DWN BY:	PIT
SCALE:	AS SHOWN
CONTRACT NO.	C02290
SHEET	9 OF 37
FILE NO.	2024-0019

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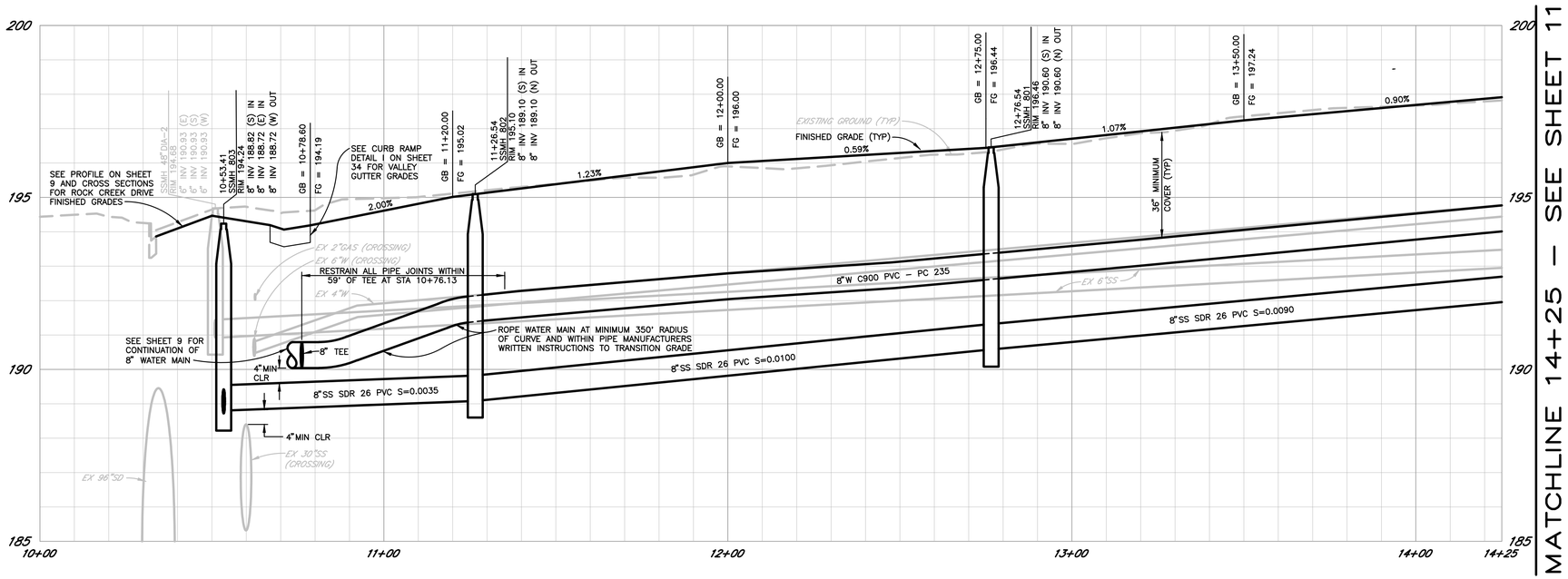
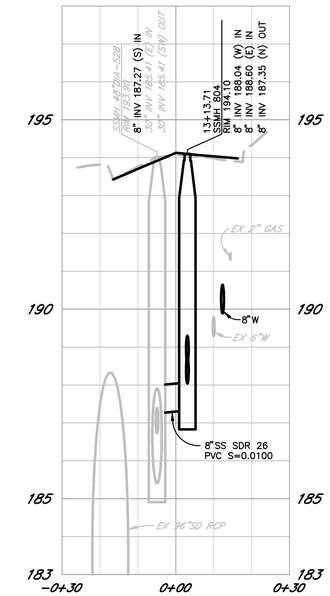
07-03-25 Patheal \4698\dwg\4698 00\4698.00 PLAN.dwg TAB: 9 ROCK CREEK DRIVE UTILITY PLAN & PROFILE



PROFILE

SCALE: HORZ. 1" = 20'
VERT. 1" = 2'



SEWER MAIN PROFILE

SECTION AT ROCK CREEK DRIVE
STA 13+14

SCALE: HORZ. 1" = 20'
VERT. 1" = 2'

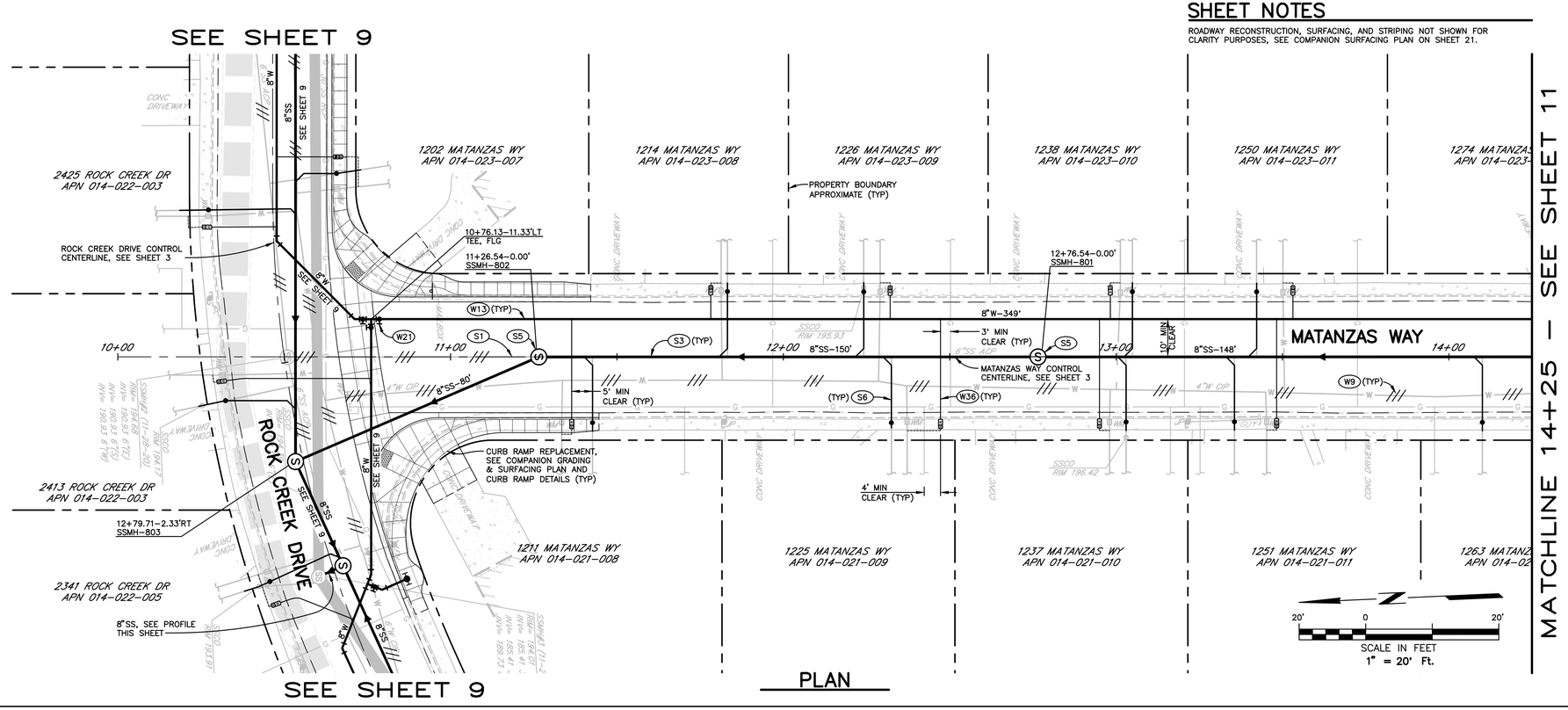
SHEET NOTES

ROADWAY RECONSTRUCTION, SURFACING, AND STRIPING NOT SHOWN FOR CLARITY PURPOSES, SEE COMPANION SURFACING PLAN ON SHEET 21.

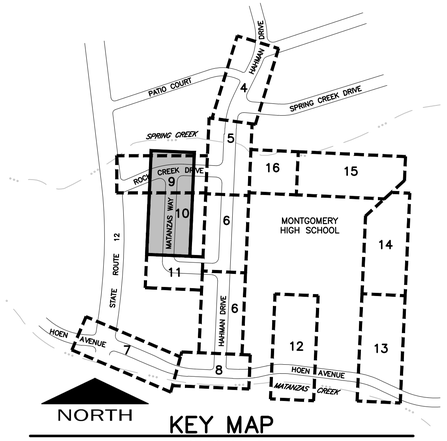
UTILITY NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

- W9 ABANDON OR REMOVE EXISTING WATER SYSTEM COMPONENTS PER SECTION 132-1.17 OF THE CITY CONSTRUCTION SPECIFICATIONS.
- W13 INSTALL 8" PVC WATER MAIN PER CITY STDS.
- W21 INSTALL GATE VALVE PER CITY STD 877.
- W36 INSTALL 1" HDPE WATER SERVICE PLUMBED FOR 5/8"X3/4" METER PER CITY STD 863A WITH PRESSURE REDUCING VALVE PER DETAIL ON SHEET 36.
- S1 REMOVE AND PROPERLY DISPOSE OF EXISTING SANITARY SEWER MAIN WHERE ENCOUNTERED DURING EXCAVATION FOR NEW SANITARY SEWER MAIN OR WATER MAIN. ABANDON PER CITY STD 507 WHERE EXISTING SEWER EXTENDS BEYOND EXCAVATION LIMITS.
- S3 INSTALL 8" SANITARY SEWER MAIN PER CITY STDS, TRENCH DETAILS PER SHEET 34 AND CITY STD 215.
- S5 INSTALL 48" SANITARY SEWER MANHOLE PER CITY STD 500, WITH BOLT DOWN LID PER CITY STD 512.
- S6 INSTALL 4" SANITARY SEWER LATERAL AND CLEANOUT SIMILAR TO CITY STD 513A REMOVE OR ABANDON EXISTING LATERAL PER CITY STD 507.



PLAN



KEY MAP

NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER BENJAMIN L. PITT No. 79218 Exp. 3-31-26 CIVIL STATE OF CALIFORNIA

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NO.	DATE	REVISION	BY

ROCK CREEK DRIVE & MATANZAS WAY
WATER, SEWER & STORM DRAIN IMPROVEMENTS

MATANZAS WAY UTILITY PLAN & PROFILE
STA.10+00-STA.14+25

CHK BY:	BB
DATE:	JULY 2025
DWN BY:	PIT
SCALE:	AS SHOWN
CONTRACT NO.	C02290
SHEET 10 OF 37	
FILE NO. 2024-0019	

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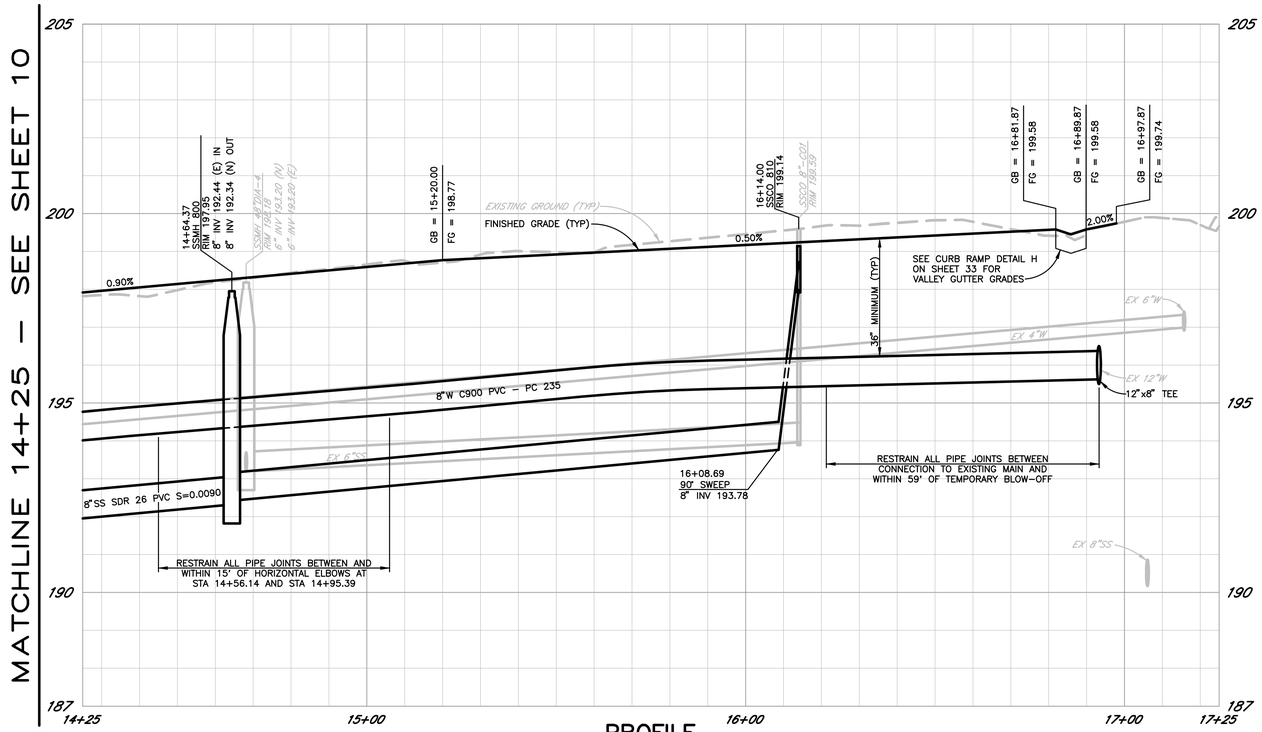
TAB: 10 MATANZAS WAY UTILITY PLAN & PROFILE

07-03-25 Patheal \4698\dwg\4698 00\4698.00 PLAN.dwg



PROFILE

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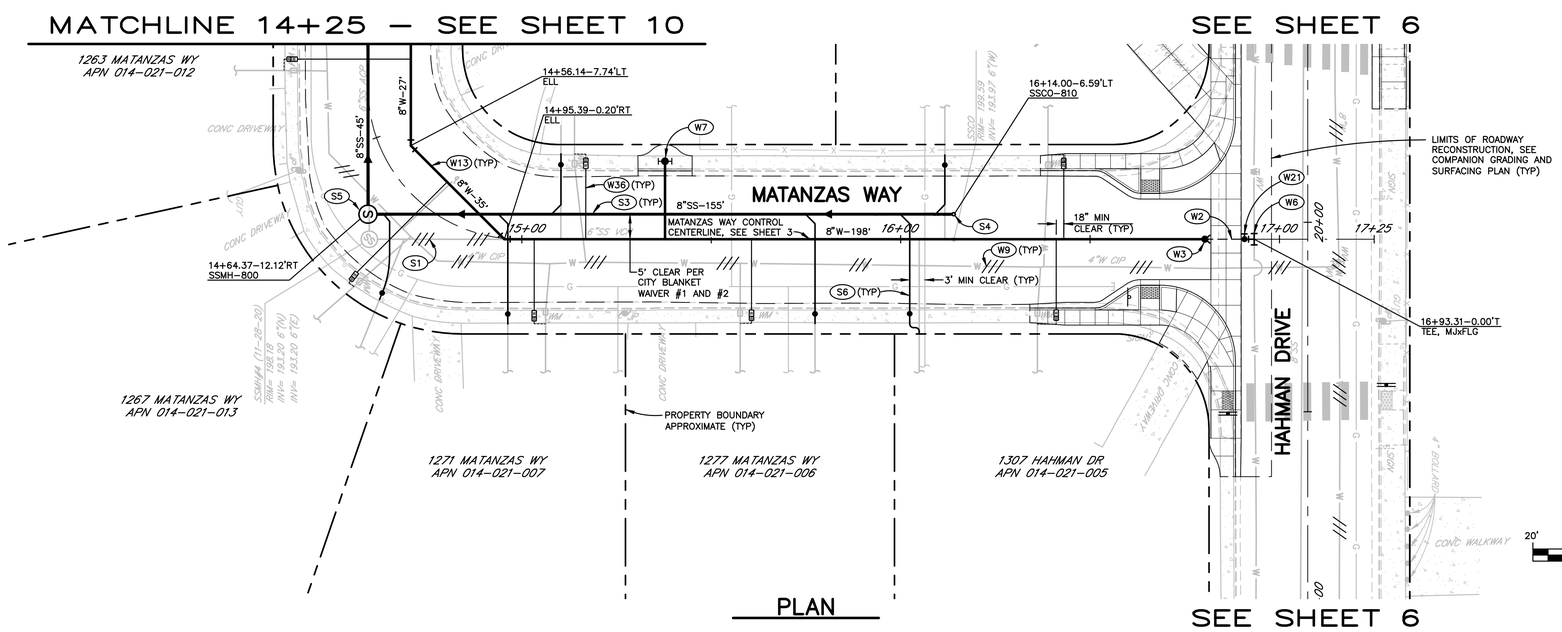
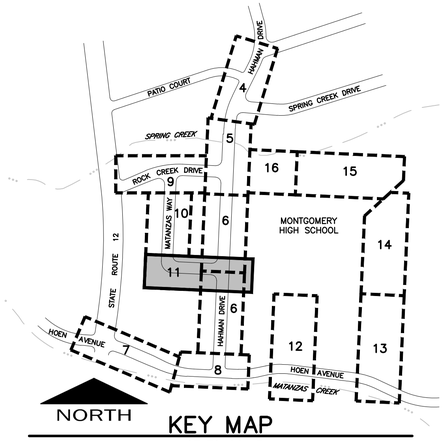
VERT. 1" = 2'



PLAN



KEY MAP

NOT TO SCALE

UTILITY NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

- W2 UPON SATISFACTORY COMPLETION OF WATER MAIN TESTING, MAKE WATER MAIN TIE IN AS A SINGLE OPERATION UNDER AUTHORIZED CITY INSPECTION. INSTALL FITTINGS AND COUPLINGS AS NECESSARY TO MAKE GRADE OR ALIGNMENT TRANSITION. RESTRAIN ALL JOINTS.
- W3 INSTALL TEMPORARY BLOWOFF PER CITY STD 859.
- W6 CUT–IN 12"x12"x8" TEE, COUPLINGS, FITTINGS, PIPE, AND VALVE(S) AS SHOWN. CONNECT TO EXISTING 12" MAIN AS SHOWN IN A SINGLE OPERATION UNDER AUTHORIZED CITY INSPECTION.
- W7 INSTALL PUBLIC FIRE HYDRANT AND LATERAL PER CITY STD 857.
- W9 ABANDON OR REMOVE EXISTING WATER SYSTEM COMPONENTS PER SECTION 132–1.17 OF THE CITY CONSTRUCTION SPECIFICATIONS.
- W13 INSTALL 8" PVC WATER MAIN PER CITY STDS.
- W21 INSTALL GATE VALVE PER CITY STD 877.
- W36 INSTALL 1" HDPE WATER SERVICE PLUMBED FOR 5/8"X3/4" METER PER CITY STD 863A WITH PRESSURE REDUCING VALVE PER DETAIL ON SHEET 36.
- S1 REMOVE AND PROPERLY DISPOSE OF EXISTING SANITARY SEWER MAIN WHERE ENCOUNTERED DURING EXCAVATION FOR NEW SANITARY SEWER MAIN OR WATER MAIN. ABANDON PER CITY STD 507 WHERE EXISTING SEWER EXTENDS BEYOND EXCAVATION LIMITS.
- S3 INSTALL 8" SANITARY SEWER MAIN PER CITY STDS, TRENCH DETAILS PER SHEET 34 AND CITY STD 215.
- S4 INSTALL PERMANENT MAIN LINE CLEANOUT PER CITY STD 505.
- S5 INSTALL 48" SANITARY SEWER MANHOLE PER CITY STD 500, WITH BOLT DOWN LID PER CITY STD 512.
- S6 INSTALL 4" SANITARY SEWER LATERAL AND CLEANOUT SIMILAR TO CITY STD 513A REMOVE OR ABANDON EXISTING LATERAL PER CITY STD 507.

SHEET NOTE

ROADWAY RECONSTRUCTION, SURFACING, AND STRIPING NOT SHOWN FOR CLARITY PURPOSES, SEE COMPANION SURFACING PLAN ON SHEETS 19 AND 21.

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NO.	DATE	REVISION	BY

ROCK CREEK DRIVE & MATANZAS WAY
WATER, SEWER & STORM DRAIN IMPROVEMENTS

MATANZAS WAY UTILITY
PLAN & PROFILE
STA.14+25-STA.17+25

CHK BY:	BB
DATE:	JULY 2025
DWN BY:	PIT
SCALE:	AS SHOWN
CONTRACT NO. C02290	
SHEET 11 OF 37	
FILE NO. 2024-0019	

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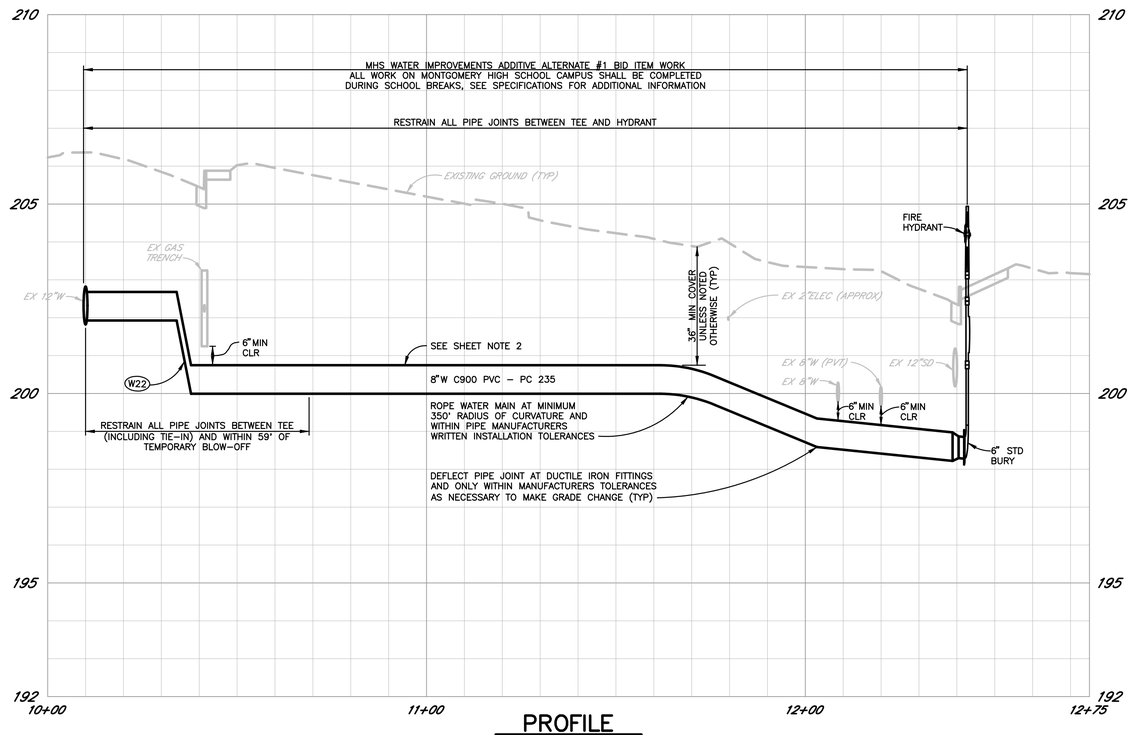
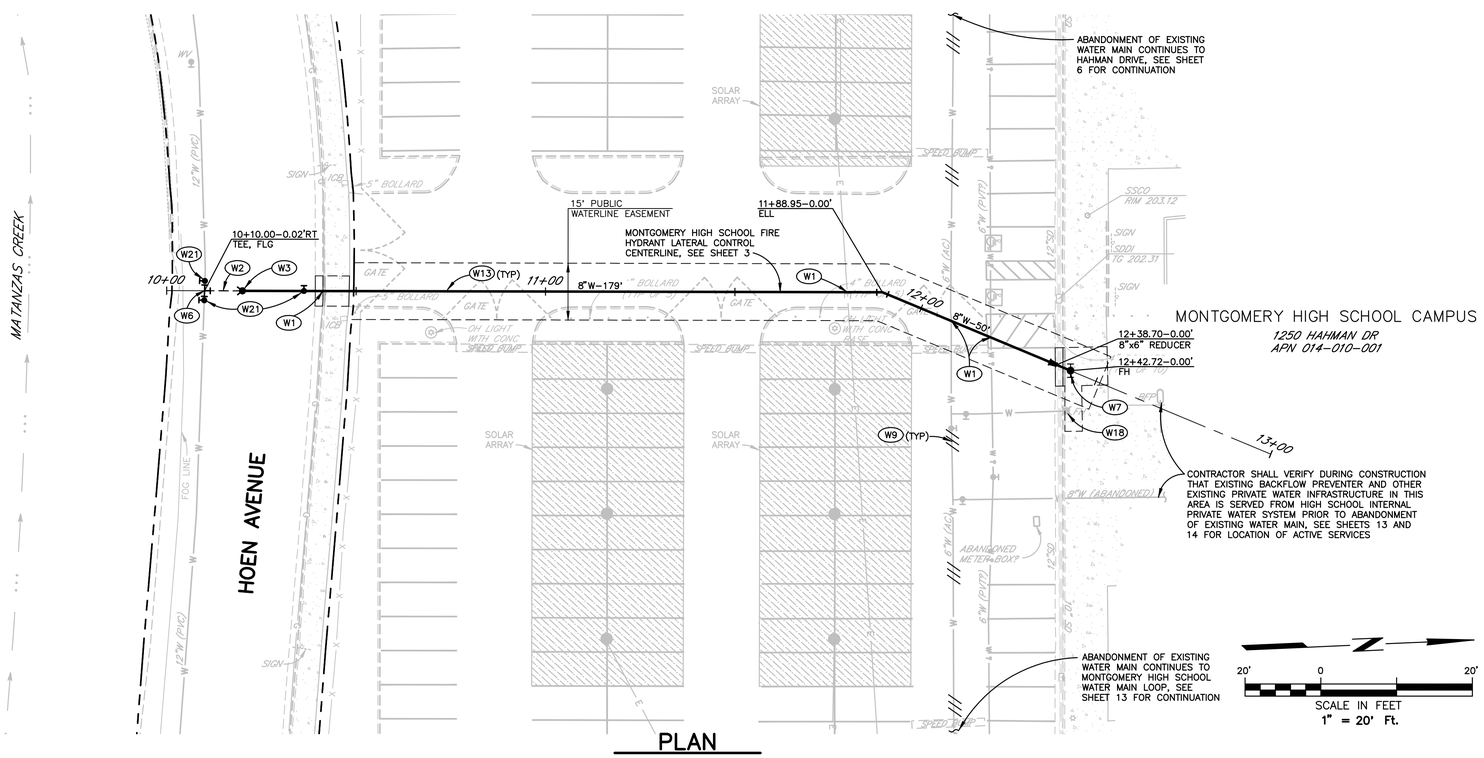


PROFILE

SCALE: HORZ. 1" = 20'
VERT. 1" = 2'



PLAN

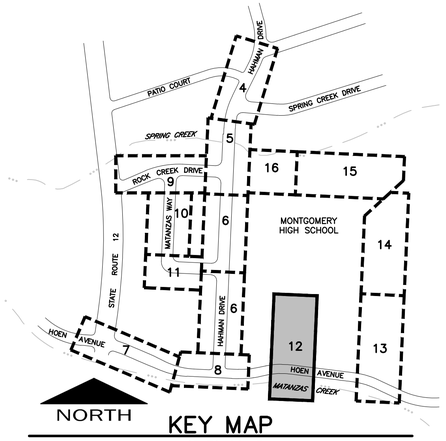
UTILITY NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

- W1 POTHOLE EXISTING UTILITY PRIOR TO CONSTRUCTION OF NEW WATER MAIN.
- W2 UPON SATISFACTORY COMPLETION OF WATER MAIN TESTING, MAKE WATER MAIN TIE IN AS A SINGLE OPERATION UNDER AUTHORIZED CITY INSPECTION. INSTALL FITTINGS AND COUPLINGS AS NECESSARY TO MAKE GRADE OR ALIGNMENT TRANSITION. RESTRAIN ALL JOINTS.
- W3 INSTALL TEMPORARY BLOWOFF PER CITY STD 859.
- W6 CUT–IN 12"x12"x8" TEE, COUPLINGS, FITTINGS, PIPE, AND VALVE(S) AS SHOWN. CONNECT TO EXISTING 12" MAIN AS SHOWN IN A SINGLE OPERATION UNDER AUTHORIZED CITY INSPECTION.
- W7 INSTALL PUBLIC FIRE HYDRANT AND LATERAL PER CITY STD 857.
- W9 ABANDON OR REMOVE EXISTING WATER SYSTEM COMPONENTS PER SECTION 132–1.17 OF THE CITY CONSTRUCTION SPECIFICATIONS.
- W13 INSTALL 8" PVC WATER MAIN PER CITY STDS.
- W18 REMOVE EXISTING FIRE HYDRANT AND APPURTENANCES. SALVAGE AND DELIVER FIRE HYDRANT TO CITY CORPORATION YARD.
- W21 INSTALL GATE VALVE PER CITY STD 877.
- W22 INSTALL HALF WATER MAIN OVER STRUCTURE PER CITY BLANKET WAIVER #7.

SHEET NOTES

1. ROADWAY RECONSTRUCTION, SURFACING, AND STRIPING NOT SHOWN FOR CLARITY PURPOSES, SEE COMPANION SURFACING PLAN ON SHEET 22.
2. WATER MAIN SHOULD MAINTAIN DOWNHILL GRADE FROM CONNECTION TO EXISTING MAIN IN HOEN AVENUE TO HYDRANT BURY.
3. PERFORM UNDERGROUND UTILITY LOCATING ON MONTGOMERY HIGH SCHOOL CAMPUS ALONG PROPOSED WATER MAIN ALIGNMENT PRIOR TO EXCAVATION. PROVIDE RESULTS TO ENGINEER FOR REVIEW.
4. ALL WATER MAIN AND ASSOCIATED SURFACE RESTORATION WORK SHOWN ON THIS SHEET ARE INCLUDED IN THE MHS WATER IMPROVEMENTS ADDITIVE ALTERNATE #1 BID WORK.



KEY MAP

NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER BENJAMIN L. BRELJE No. 79218 Exp. 3-31-26 CIVIL STATE OF CALIFORNIA

City of Santa Rosa

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ROCK CREEK DRIVE & MATANZAS WAY
WATER, SEWER & STORM DRAIN IMPROVEMENTS

MONTGOMERY HIGH FIRE HYDRANT LATERAL UTILITY PLAN & PROFILE
STA.10+00-STA.13+00

CHK BY:	BB
DATE:	JULY 2025
DWN BY:	PIT
SCALE:	AS SHOWN
CONTRACT NO.	C02290
SHEET	12 OF 37
FILE NO.	2024-0019

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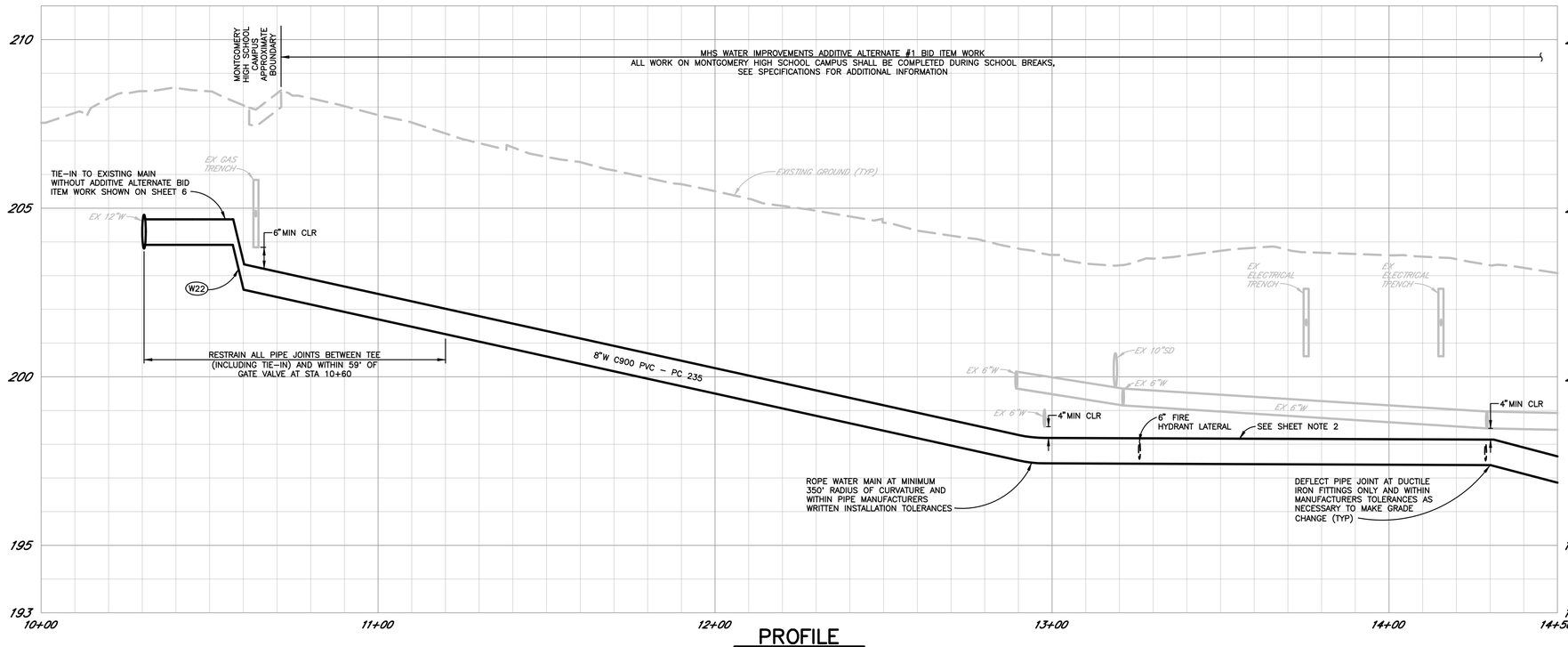
07-03-25 Pathead \4698\dwg\4698 00\4698.00 PLAN.dwg TAB: 12 MONTGOMERY HIGH FIRE HYDRANT LATERAL UTILITY PLAN & PROFILE



PROFILE

SCALE: HORZ. 1" = 20'
VERT. 1" = 2'

MATCHLINE 14+50 — SEE SHEET 14

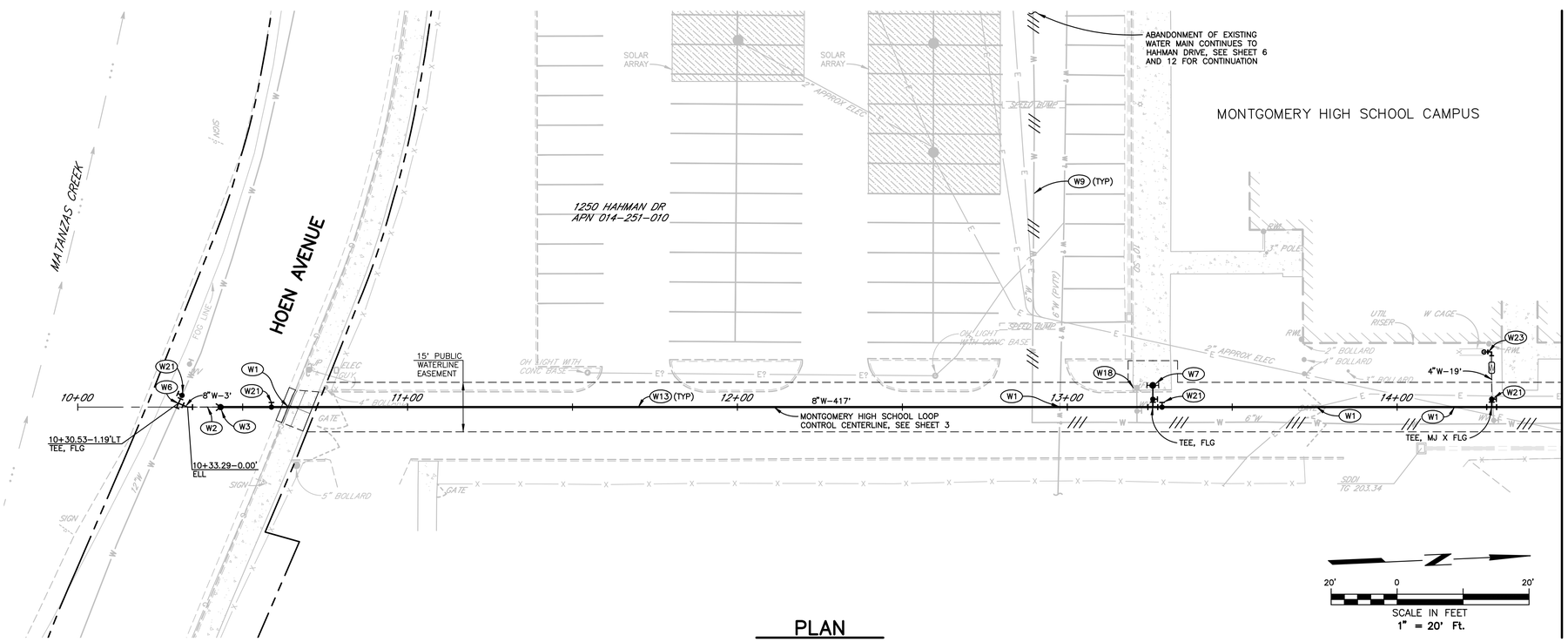
UTILITY NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

- W1 POTHOLE EXISTING UTILITY PRIOR TO CONSTRUCTION OF NEW WATER MAIN.
- W2 UPON SATISFACTORY COMPLETION OF WATER MAIN TESTING, MAKE WATER MAIN TIE IN AS A SINGLE OPERATION UNDER AUTHORIZED CITY INSPECTION. INSTALL FITTINGS AND COUPLINGS AS NECESSARY TO MAKE GRADE OR ALIGNMENT TRANSITION. RESTRAIN ALL JOINTS.
- W3 INSTALL TEMPORARY BLOWOFF PER CITY STD 859.
- W6 CUT-IN 12"x12"x8" TEE, COUPLINGS, FITTINGS, PIPE, AND VALVE(S) AS SHOWN. CONNECT TO EXISTING 12" MAIN AS SHOWN IN A SINGLE OPERATION UNDER AUTHORIZED CITY INSPECTION.
- W7 INSTALL PUBLIC FIRE HYDRANT AND LATERAL PER CITY STD 857.
- W9 ABANDON OR REMOVE EXISTING WATER SYSTEM COMPONENTS PER SECTION 132-1.17 OF THE CITY CONSTRUCTION SPECIFICATIONS.
- W13 INSTALL 8" PVC WATER MAIN PER CITY STDS.
- W18 REMOVE EXISTING FIRE HYDRANT AND APPURTENANCES. SALVAGE AND DELIVER FIRE HYDRANT TO CITY CORPORATION YARD.
- W21 INSTALL GATE VALVE PER CITY STD 877.
- W22 INSTALL HALF WATER MAIN OVER STRUCTURE PER CITY BLANKET WAIVER #7.
- W23 INSTALL 4" PRESSURE REDUCING VALVE PER DETAIL ON SHEET 36. CONNECT TO BASE OF EXISTING 4" BACKFLOW ASSEMBLY. RE-CERTIFY EXISTING BACKFLOW DEVICE. PERFORM WORK FOLLOWING ACTIVATION OF NEW MAIN AND PRIOR TO ABANDONMENT OF EXISTING MAIN TO MINIMIZE SERVICE DISRUPTION TO ONE BUSINESS DAY. RESTRAIN ALL JOINTS.

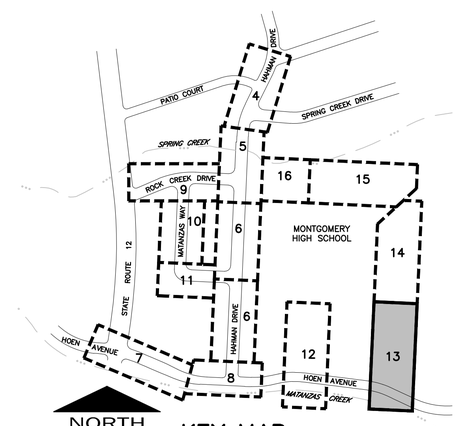
SHEET NOTES

1. ROADWAY RECONSTRUCTION, SURFACING, AND STRIPING NOT SHOWN FOR CLARITY PURPOSES, SEE COMPANION SURFACING PLAN ON SHEET 23.
2. WATER MAIN SHOULD MAINTAIN DOWNHILL GRADE FROM CONNECTION TO EXISTING MAIN IN HOEN AVENUE TO HAHMAN DRIVE.
3. PERFORM UNDERGROUND UTILITY LOCATING ON MONTGOMERY HIGH SCHOOL CAMPUS ALONG PROPOSED WATER MAIN ALIGNMENT PRIOR TO EXCAVATION. PROVIDE RESULTS TO ENGINEER FOR REVIEW.
4. ALL WATER MAIN AND ASSOCIATED SURFACE RESTORATION WORK LOCATED ON THE MONTGOMERY HIGH SCHOOL CAMPUS ARE INCLUDED IN THE MHS WATER IMPROVEMENTS ADDITIVE ALTERNATE #1 BID WORK. SEE TIE-IN TO EXISTING WATER MAIN WITHOUT ADDITIVE ALTERNATE BID ITEM WORK ON SHEET 6.



PLAN

MATCHLINE 14+50 — SEE SHEET 14



KEY MAP

NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER BENJAMIN L. BRELJE No. 79218 Exp. 3-31-26 CIVIL STATE OF CALIFORNIA

City of Santa Rosa

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NO.	DATE	REVISION	BY

ROCK CREEK DRIVE & MATANZAS WAY WATER, SEWER & STORM DRAIN IMPROVEMENTS

MONTGOMERY HIGH SCHOOL WATER MAIN LOOP UTILITY PLAN & PROFILE STA.10+00-STA.14+50

CHK BY:	BB
DATE:	JULY 2025
DWN BY:	PIT
SCALE:	AS SHOWN
CONTRACT NO.	C02290
SHEET 13 OF 37	
FILE NO. 2024-0019	

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TAB: 13 MONTGOMERY HIGH SCHOOL WATER MAIN LOOP UTILITY PLAN & PROFILE

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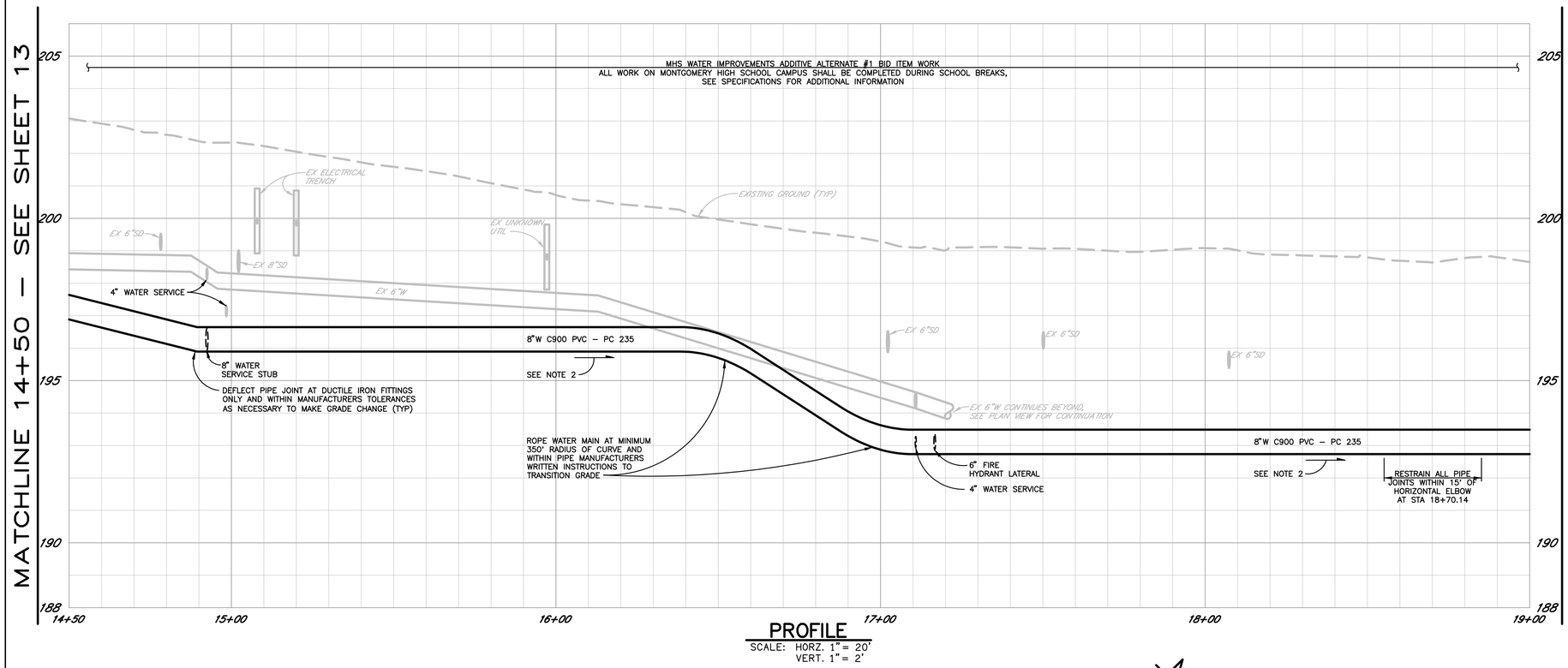
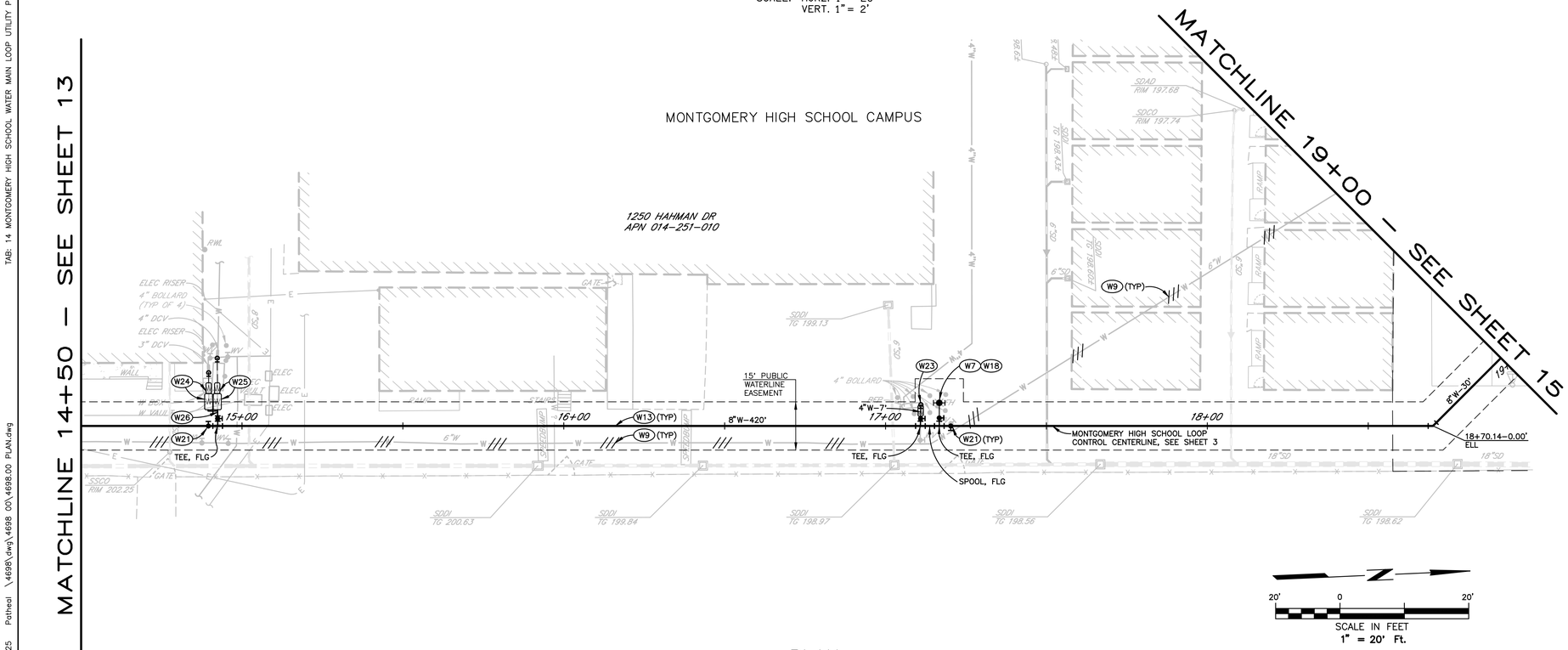
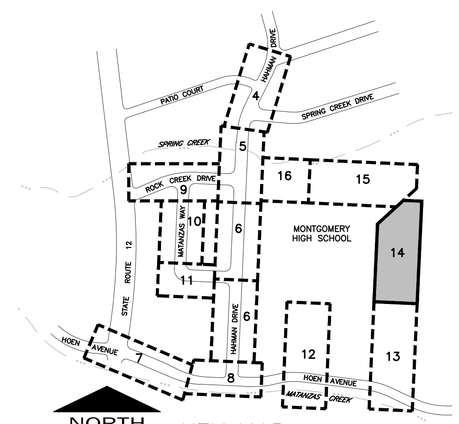


PROFILE

SCALE: HORZ. 1" = 20'
VERT. 1" = 2'



PLAN



KEY MAP

NOT TO SCALE

UTILITY NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

- W7 INSTALL PUBLIC FIRE HYDRANT AND LATERAL PER CITY STD 857.
- W9 ABANDON OR REMOVE EXISTING WATER SYSTEM COMPONENTS PER SECTION 132-1.17 OF THE CITY CONSTRUCTION SPECIFICATIONS.
- W13 INSTALL 8" PVC WATER MAIN PER CITY STDS.
- W18 REMOVE EXISTING FIRE HYDRANT AND APPURTENANCES. SALVAGE AND DELIVER FIRE HYDRANT TO CITY CORPORATION YARD.
- W21 INSTALL GATE VALVE PER CITY STD 877.
- W23 INSTALL 4" PRESSURE REDUCING VALVE PER DETAIL ON SHEET 36. CONNECT TO BASE OF EXISTING 4" BACKFLOW ASSEMBLY. RE-CERTIFY EXISTING BACKFLOW DEVICE. PERFORM WORK FOLLOWING ACTIVATION OF NEW MAIN AND PRIOR TO ABANDONMENT OF EXISTING MAIN TO MINIMIZE SERVICE DISRUPTION TO ONE BUSINESS DAY. RESTRAIN ALL JOINTS.
- W24 INSTALL NEW 4" WATER SERVICE LATERAL FOR 3" METER PER CITY STD 866 WITH 3" PRESSURE REDUCING VALVE PER DETAIL ON SHEET 36. CONNECT TO BASE OF EXISTING 3" BACKFLOW ASSEMBLY. RE-CERTIFY EXISTING BACKFLOW DEVICE. PERFORM WORK FOLLOWING ACTIVATION OF NEW MAIN AND PRIOR TO ABANDONMENT OF EXISTING MAIN TO MINIMIZE SERVICE DISRUPTION TO ONE BUSINESS DAY.
- W25 INSTALL NEW 4" WATER SERVICE LATERAL FOR 4" METER PER CITY STD 867 WITH 4" PRESSURE REDUCING VALVE PER DETAIL ON SHEET 36. CONNECT TO BASE OF EXISTING 4" BACKFLOW ASSEMBLY. RE-CERTIFY EXISTING BACKFLOW DEVICE. PERFORM WORK FOLLOWING ACTIVATION OF NEW MAIN AND PRIOR TO ABANDONMENT OF EXISTING MAIN TO MINIMIZE SERVICE DISRUPTION TO ONE BUSINESS DAY.
- W26 8" COMBINATION WATER SERVICE STUB SIMILAR TO CITY STD 869.

SHEET NOTES

1. ROADWAY RECONSTRUCTION, SURFACING, AND STRIPING NOT SHOWN FOR CLARITY PURPOSES, SEE COMPANION SURFACING PLAN ON SHEET 23.
2. WATER MAIN SHOULD MAINTAIN DOWNHILL GRADE FROM CONNECTION TO EXISTING MAIN IN HOEN AVENUE TO HAHMAN DRIVE.
3. PERFORM UNDERGROUND UTILITY LOCATING ON MONTGOMERY HIGH SCHOOL CAMPUS ALONG PROPOSED WATER MAIN ALIGNMENT PRIOR TO EXCAVATION. PROVIDE RESULTS TO ENGINEER FOR REVIEW.
4. ALL WATER MAIN AND ASSOCIATED SURFACE RESTORATION WORK SHOWN ON THIS SHEET ARE INCLUDED IN THE MHS WATER IMPROVEMENTS ADDITIVE ALTERNATE #1 BID WORK.

REGISTERED PROFESSIONAL ENGINEER BENJAMIN L. BRELJE No. 79218 Exp. 3-31-26 CIVIL STATE OF CALIFORNIA

City of Santa Rosa

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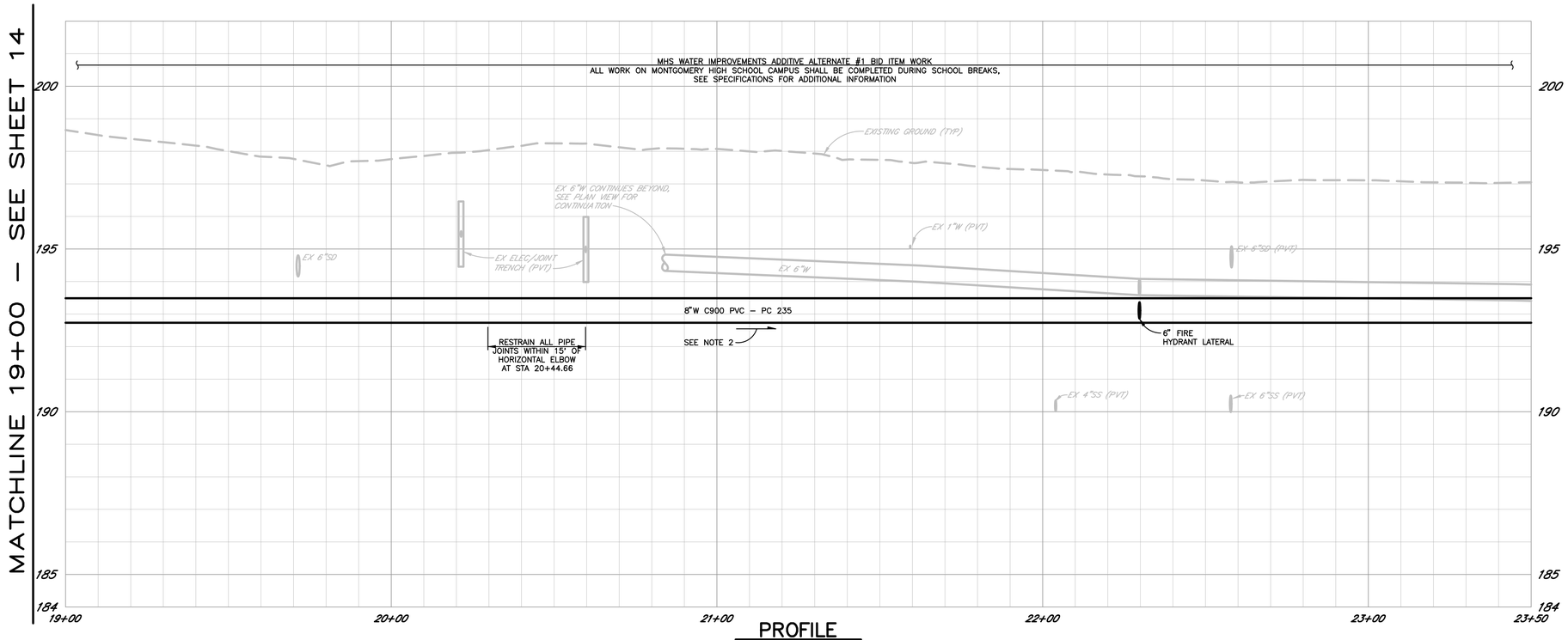
NO.	DATE	REVISION	BY

ROCK CREEK DRIVE & MATANZAS WAY
WATER, SEWER & STORM DRAIN IMPROVEMENTS

MONTGOMERY HIGH SCHOOL WATER
MAIN LOOP UTILITY PLAN & PROFILE
STA.14+50-STA.19+00

CHK BY:	BB
DATE:	JULY 2025
DWN BY:	PIT
SCALE:	AS SHOWN
CONTRACT NO. C02290	
SHEET 14 OF 37	
FILE NO. 2024-0019	

C 1.12



PROFILE

SCALE: HORZ. 1" = 20'
VERT. 1" = 2'

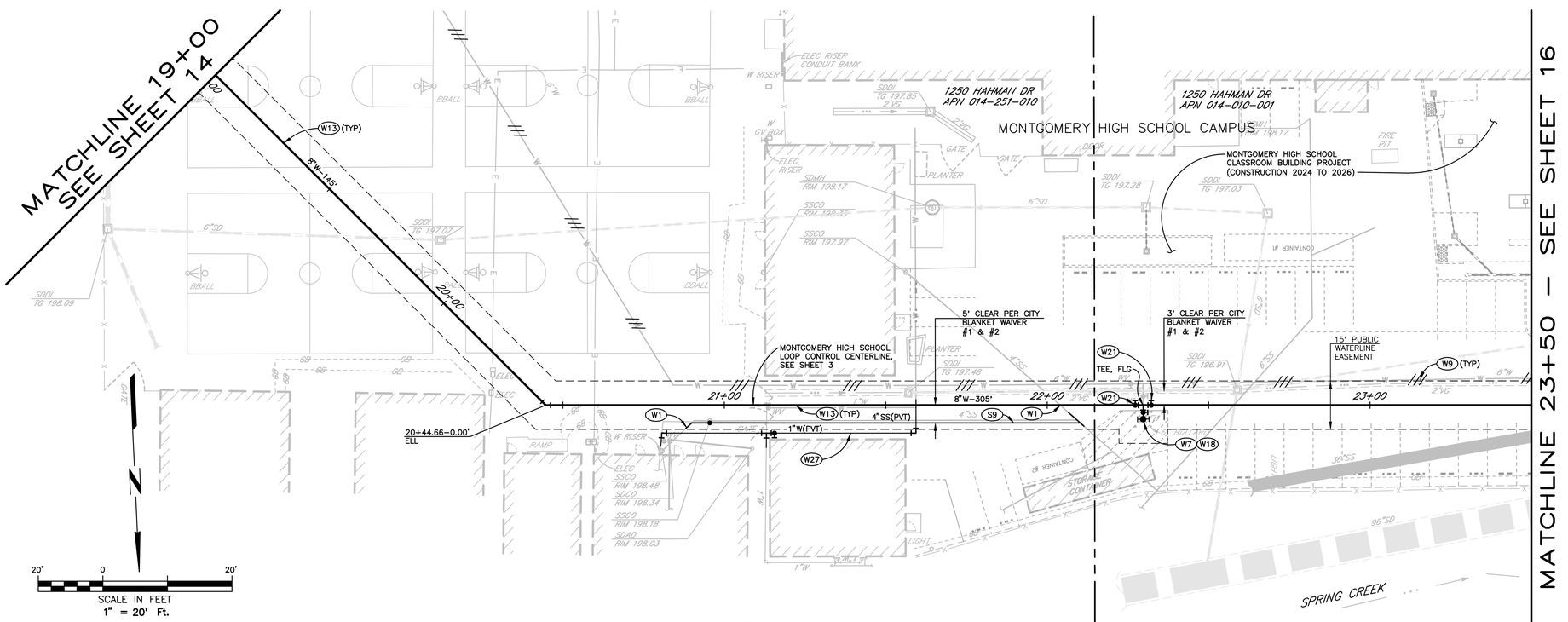
UTILITY NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

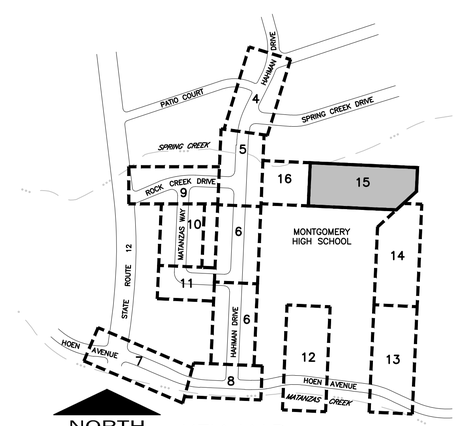
- (W1) POTHOLE EXISTING UTILITY PRIOR TO CONSTRUCTION OF NEW WATER MAIN.
- (W7) INSTALL PUBLIC FIRE HYDRANT AND LATERAL PER CITY STD 857.
- (W9) ABANDON OR REMOVE EXISTING WATER SYSTEM COMPONENTS PER SECTION 132–1.17 OF THE CITY CONSTRUCTION SPECIFICATIONS.
- (W13) INSTALL 8" PVC WATER MAIN PER CITY STDS.
- (W18) REMOVE EXISTING FIRE HYDRANT AND APPURTENANCES. SALVAGE AND DELIVER FIRE HYDRANT TO CITY CORPORATION YARD.
- (W21) INSTALL GATE VALVE PER CITY STD 877.
- (W27) RELOCATE EXISTING 1" PRIVATE WATER AS NECESSARY TO CONSTRUCT PROPOSED IMPROVEMENTS.
- (S9) RELOCATE EXISTING 4" PRIVATE SEWER TO MAINTAIN 5' CLEAR TO NEW PUBLIC WATER MAIN.

SHEET NOTES

1. ROADWAY RECONSTRUCTION, SURFACING, AND STRIPING NOT SHOWN FOR CLARITY PURPOSES, SEE COMPANION SURFACING PLAN ON SHEETS 23 AND 24.
2. WATER MAIN SHOULD MAINTAIN DOWNHILL GRADE FROM CONNECTION TO EXISTING MAIN IN HOEN AVENUE TO HAHMAN DRIVE.
3. PERFORM UNDERGROUND UTILITY LOCATING ON MONTGOMERY HIGH SCHOOL CAMPUS ALONG PROPOSED WATER MAIN ALIGNMENT PRIOR TO EXCAVATION. PROVIDE RESULTS TO ENGINEER FOR REVIEW.
4. ALL WATER MAIN AND ASSOCIATED SURFACE RESTORATION WORK SHOWN ON THIS SHEET ARE INCLUDED IN THE MHS WATER IMPROVEMENTS ADDITIVE ALTERNATE #1 BID WORK.



PLAN



KEY MAP

NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER BENJAMIN L. BROWN No. 79218 Exp. 3-31-26 CIVIL STATE OF CALIFORNIA

City of Santa Rosa

Brelje & Race
CONSULTING ENGINEERS
475 Aviation Blvd., Suite 130, Santa Rosa, CA 95403
Phone: 707-576-1322 www.brelje-race.com

NO.	DATE	REVISION	BY

ROCK CREEK DRIVE & MATANZAS WAY WATER, SEWER & STORM DRAIN IMPROVEMENTS

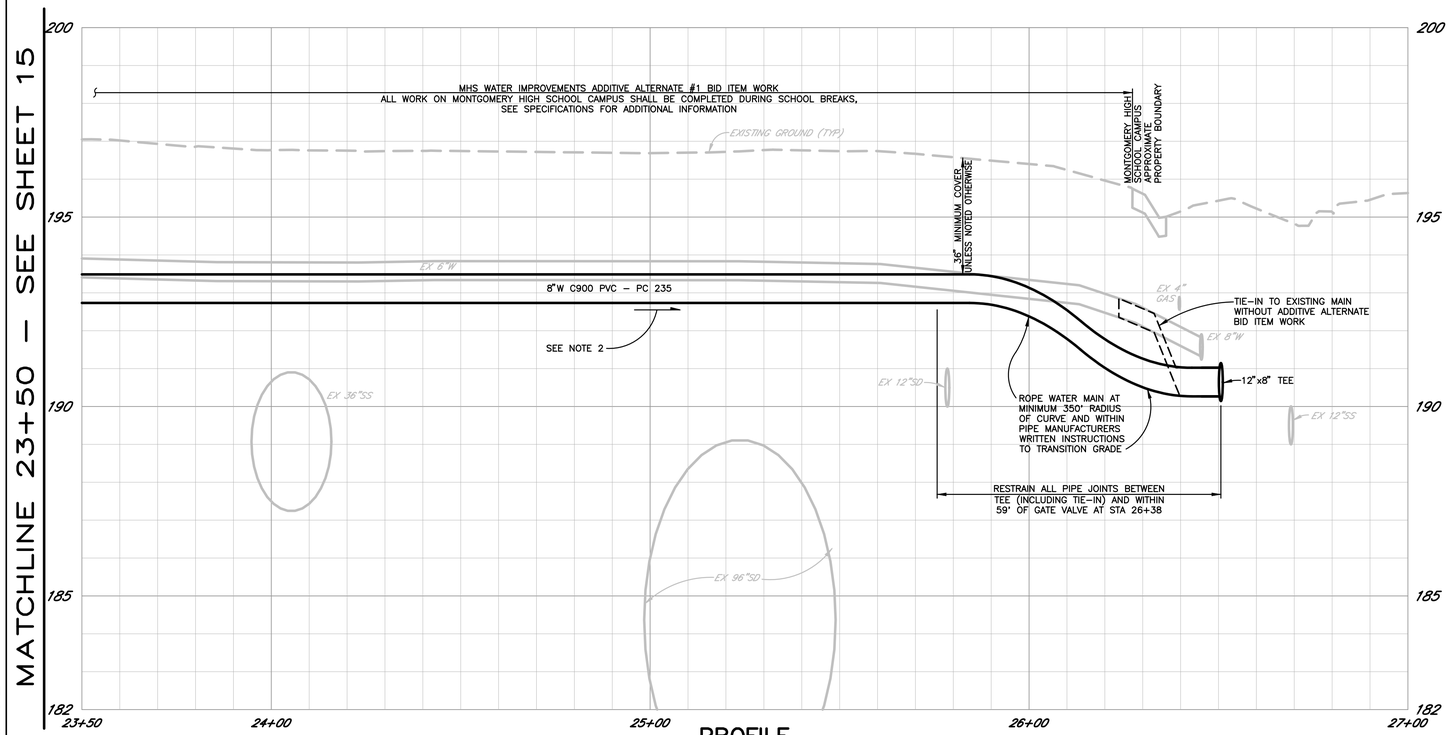
MONTGOMERY HIGH SCHOOL WATER MAIN LOOP UTILITY PLAN & PROFILE STA.19+00-STA.23+50

CHK BY:	BB
DATE:	JULY 2025
DWN BY:	PIT
SCALE:	AS SHOWN
CONTRACT NO. C02290	
SHEET 15 OF 37	
FILE NO. 2024-0019	

C 1.13

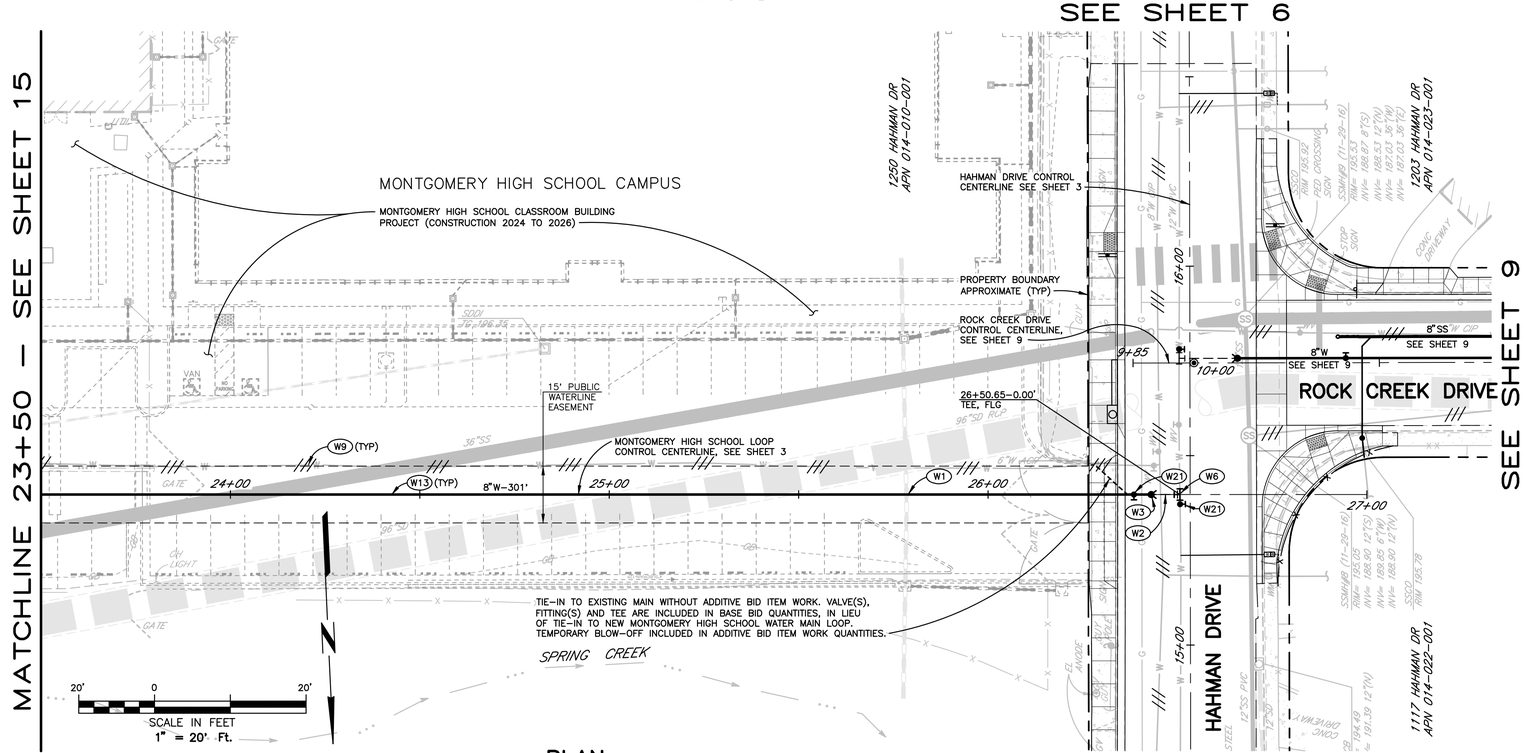
TAB: 15 MONTGOMERY HIGH SCHOOL WATER MAIN LOOP UTILITY PLAN & PROFILE

07-03-25 Patheal \4698\dwg\4698 00\4698.00 PLAN.dwg



PROFILE

SCALE: HORZ. 1" = 20'
VERT. 1" = 2'



PLAN

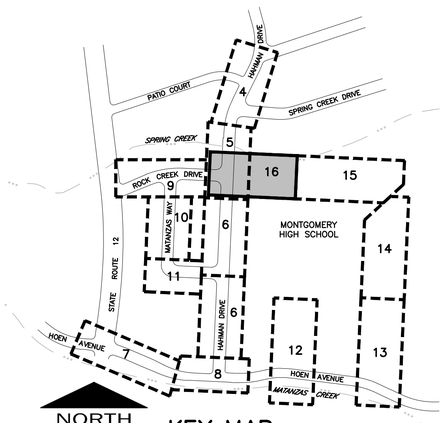
UTILITY NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

- (W2) UPON SATISFACTORY COMPLETION OF WATER MAIN TESTING, MAKE WATER MAIN TIE IN AS A SINGLE OPERATION UNDER AUTHORIZED CITY INSPECTION. INSTALL FITTINGS AND COUPLINGS AS NECESSARY TO MAKE GRADE OR ALIGNMENT TRANSITION. RESTRAIN ALL JOINTS.
- (W3) INSTALL TEMPORARY BLOWOFF PER CITY STD 859.
- (W6) CUT–IN 12"x12"x8" TEE, COUPLINGS, FITTINGS, PIPE, AND VALVE(S) AS SHOWN. CONNECT TO EXISTING 12" MAIN AS SHOWN IN A SINGLE OPERATION UNDER AUTHORIZED CITY INSPECTION.
- (W9) ABANDON OR REMOVE EXISTING WATER SYSTEM COMPONENTS PER SECTION 132–1.17 OF THE CITY CONSTRUCTION SPECIFICATIONS.
- (W13) INSTALL 8" PVC WATER MAIN PER CITY STDS.
- (W21) INSTALL GATE VALVE PER CITY STD 877.

SHEET NOTE

1. ROADWAY RECONSTRUCTION, SURFACING, AND STRIPING NOT SHOWN FOR CLARITY PURPOSES, SEE COMPANION SURFACING PLAN ON SHEETS 19 AND 24.
2. WATER MAIN SHOULD MAINTAIN DOWNHILL GRADE FROM CONNECTION TO EXISTING MAIN IN HOEN AVENUE TO HAHMAN DRIVE.
3. PERFORM UNDERGROUND UTILITY LOCATING ON MONTGOMERY HIGH SCHOOL CAMPUS ALONG PROPOSED WATER MAIN ALIGNMENT PRIOR TO EXCAVATION. PROVIDE RESULTS TO ENGINEER FOR REVIEW.
4. WATER MAIN AND ASSOCIATED SURFACE RESTORATION WORK LOCATED ON THE MONTGOMERY HIGH SCHOOL CAMPUS ARE INCLUDED IN THE MHS WATER IMPROVEMENTS ADDITIVE ALTERNATE #1 BID WORK.



KEY MAP

NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER BENJAMIN L. BRELJE No. 79218 Exp. 3-31-26 CIVIL STATE OF CALIFORNIA

City of Santa Rosa

Brelje&Race CONSULTING ENGINEERS
475 Aviation Blvd., Suite 110, Santa Rosa, CA 95403
Phone: 707-576-1322 www.brelje-race.com

NO.	DATE	REVISION	BY

ROCK CREEK DRIVE & MATANZAS WAY
WATER, SEWER & STORM DRAIN IMPROVEMENTS

MONTGOMERY HIGH SCHOOL WATER MAIN LOOP UTILITY PLAN & PROFILE
STA.23+50-STA.27+00

CHK BY:	BB
DATE:	JULY 2025
DWN BY:	PIT
SCALE:	AS SHOWN
CONTRACT NO. C02290	
SHEET 16 OF 37	
FILE NO. 2024-0019	

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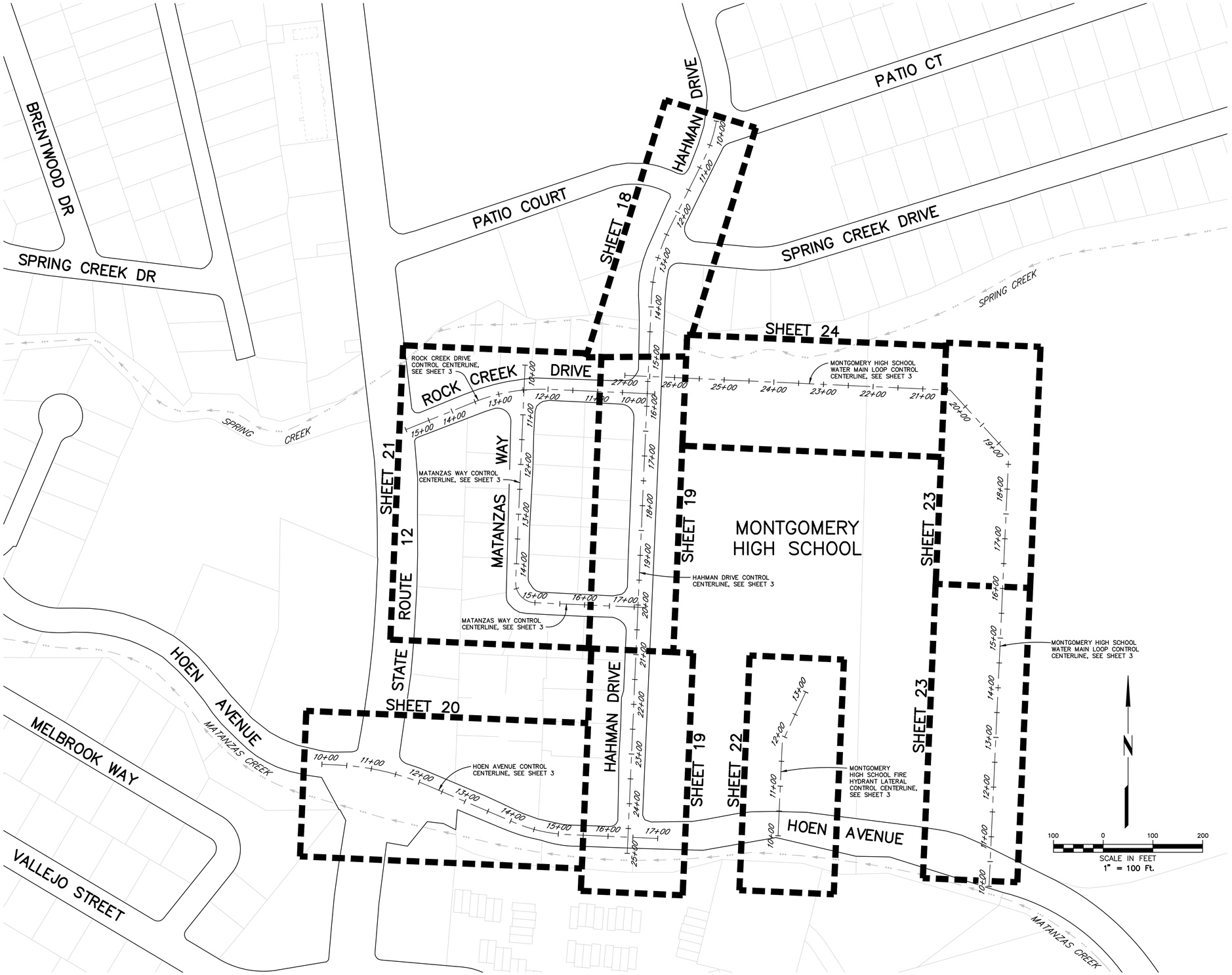
07-03-25 Patheal \4698\dwg\4698 00\4698.00 PLAN.dwg TAB: 16 MONTGOMERY HIGH SCHOOL WATER MAIN LOOP UTILITY PLAN & PROFILE

SEE SHEET 2 FOR CONTROL POINT DATA, BENCHMARK, AND BASIS OF BEARING INFORMATION.

SEE 3 FOR STREET ALIGNMENTS CONTROL DATA.



KEY MAP

REGISTERED PROFESSIONAL ENGINEER BENJAMIN L. BRELJE No. 79218 Exp. 3-31-26 CIVIL STATE OF CALIFORNIA

City of Santa Rosa

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NO.	DATE	REVISION	BY

ROCK CREEK DRIVE & MATANZAS WAY WATER, SEWER & STORM DRAIN IMPROVEMENTS

OVERALL SURFACING PLAN KEY MAP

CHK BY:	BB
DATE:	JULY 2025
DWN BY:	PIT
SCALE:	AS SHOWN
CONTRACT NO. C02290	
SHEET 17 OF 37	
FILE NO. 2024-0019	

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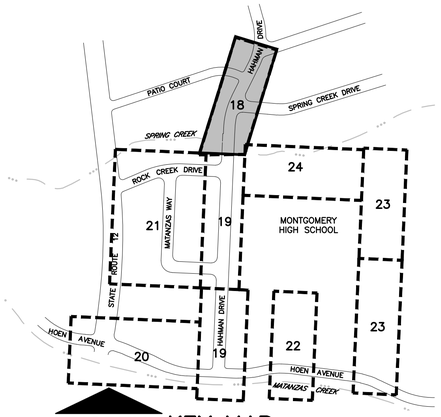
06-18-25 Scalabrini \4698\dwg\4698 00\4698.00 KEY-Surfacing.dwg TAB: 17 OVERALL SURFACING PLAN KEY MAP



NORTH **KEY MAP**

NOT TO SCALE

LEGEND

- LIMITS OF ROAD RECONSTRUCTION – HAHMAN DRIVE 0.20' AC SURFACE OVER 0.87' AC BASE PER DETAIL SHEET 35
- LIMITS OF ROAD RECONSTRUCTION – ROCK CREEK DRIVE 0.20' AC SURFACE OVER 0.50' AC BASE PER DETAIL SHEET 35
- LIMITS OF ROAD RECONSTRUCTION – MATANZAS WAY 0.20' AC SURFACE OVER 0.35' AC BASE PER DETAIL SHEET 35
- LIMITS OF 0.20' AC SURFACE OVER 0.80' AC BASE DEEP LIFT PAVING – ADJACENT TO NEW LIP OF GUTTER OUTSIDE OF ROAD RECONSTRUCTION LIMITS
- APPROXIMATE LIMITS OF TRENCH PAVING, MIN 0.35' AC SECTION PER CITY STD 215
- LIMITS OF ROAD RESURFACING – MONTGOMERY HIGH SCHOOL 0.33' AC SURFACE PER DETAIL ON SHEET 35
- APPROXIMATE LIMITS OF 4" CLASS A PCC SIDEWALK OVER 2" SAND PER CITY STD 235 AND 237
- LIMITS OF CURB RAMP. SEE DETAILS ON SHEETS 30 THRU 34 FOR GRADES
- LIMITS OF COBBLE NON–WALKABLE SURFACE PER DETAIL SHEET 35
- LIMITS OF CONCRETE VALLEY GUTTER OVER 6" CL2AB PER CITY STD 243. SEE DETAILS ON SHEETS 30 THRU 34 FOR GRADES
- LIMITS OF SLURRY SEAL, APPLY CRACK SEAL PRIOR TO SLURRY SEAL APPLICATION
- 6" PCC DRIVEWAY APRON AND ADJACENT SIDEWALK PER CITY STD 250A, 250B, 251 AND 237
- 6" PCC PRIVATE RESIDENTIAL DRIVEWAY TO MATCH EXISTING

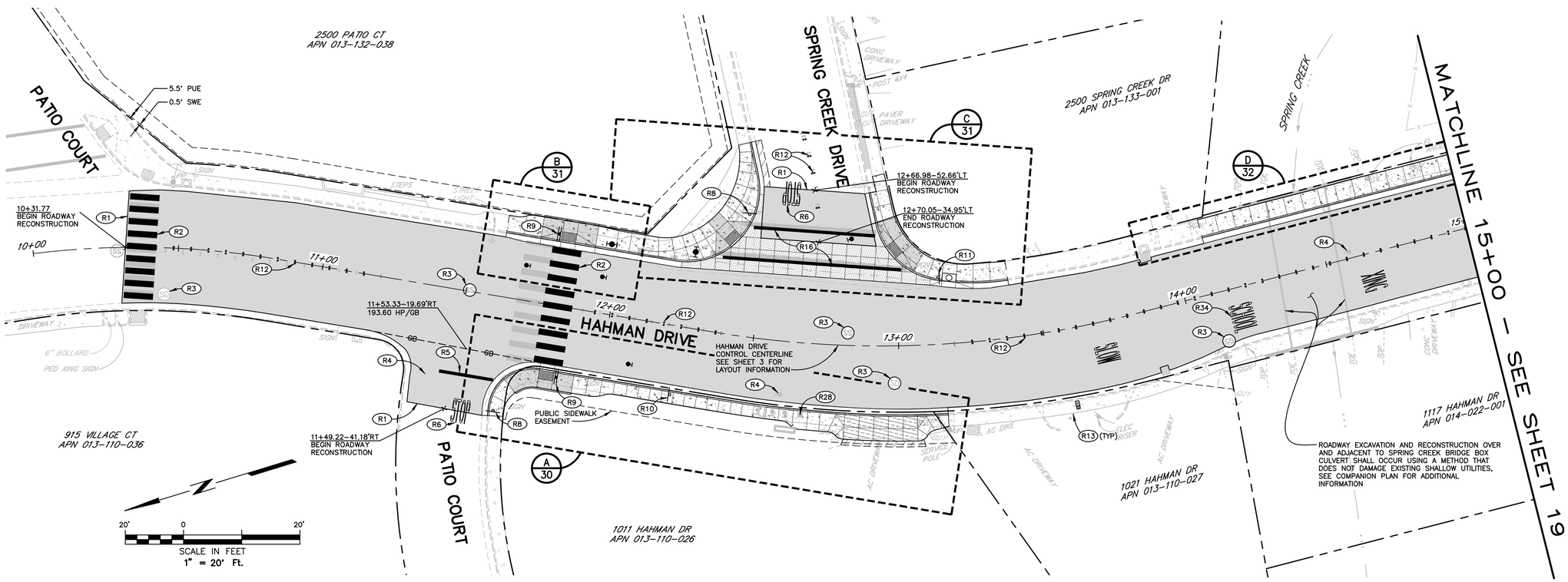
CONSTRUCTION NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

- R1 SAWCUT AND CONFORM TO EXISTING.
- R2 INSTALL 24" WHITE THERMOPLASTIC CONTINENTAL CROSSWALK LINE PER CALTRANS STD PLAN A24F.
- R3 ADJUST EXISTING MANHOLE TO GRADE.
- R4 ADJUST EXISTING UTILITY BOX OR VALVE COVER TO GRADE.
- R5 REMOVE & REPLACE 12" WIDE WHITE THERMOPLASTIC LIMIT LINE (STOP BAR) PAVEMENT MARKING PER CALTRANS STD PLAN A24E.
- R6 REMOVE AND REPLACE WHITE THERMOPLASTIC "STOP" PAVEMENT MARKING PER CALTRANS STD PLAN A24D.
- R8 REMOVE EXISTING AND REPLACE "STOP" (R1–1) AND STREET NAME SIGNS. REFER TO CITY STD 701 FOR SIGN POLE LOCATION.
- R9 REMOVE EXISTING AND REPLACE PEDESTRIAN CROSSING (W11–2) AND DIAGONAL ARROW (W16–7P) SIGNS. INSTALL 1–B POLE AND FOUNDATION PER CALTRANS STD PLAN ES–7B FOR FUTURE RRFB INSTALLATION BY CITY. SEE CURB RAMP DETAILS ON SHEETS 30–34 FOR POLE AND FOUNDATION LOCATION.
- R10 REMOVE EXISTING AND REPLACE "SPEED LIMIT 30" (R2–1) AND "COMMERCIAL VEHICLES PROHIBITED" (R5–4) SIGN. REFER TO CITY STD 701 FOR SIGN POLE LOCATION.
- R11 REMOVE EXISTING AND REPLACE PEDESTRIAN CROSSING (W11–2) SIGN. REFER TO CITY STD 701 FOR SIGN POLE LOCATION.
- R12 REMOVE AND REPLACE CENTERLINE MARKERS PER 2010 CALTRANS STANDARD PLAN A20A, DETAIL 23.
- R13 REPLACE EX SIDEWALK PER CITY STD 237 AS PART OF SEWER LATERAL, WATER SERVICE, OR FIRE HYDRANT WORK. LIMITS PER CONTRACTOR MEANS AND METHODS, NOT SHOWN ON PLANS.
- R16 REMOVE AND REPLACE 12" WIDE YELLOW THERMOPLASTIC CROSSWALK PAVEMENT MARKING PER CALTRANS STD PLAN A24F.
- R28 PROVIDE 4' CLEARANCE AROUND FIRE HYDRANT PER CITY STD.
- R34 REMOVE AND REPLACE YELLOW THERMOPLASTIC "SLOW" "SCHOOL" AND "XING" PAVEMENT MARKINGS PER 2024 CALTRANS STANDARD PLAN 24D

SHEET NOTES

1. UTILITIES NOT SHOWN FOR CLARITY PURPOSES, SEE COMPANION UTILITY PLAN AND PROFILE SHEETS 4 THRU 16 FOR UTILITY WORK.
2. SEE SHEET 18A FOR ALTERNATE #2 HAHMAN DRIVE MODIFIED SURFACING IMPROVEMENTS NORTH OF HAHMAN DRIVE CONTROL CENTERLINE STATION 14+11.06.



REGISTERED PROFESSIONAL ENGINEER BENJAMIN L. BRELJE No. 19218 Exp. 3-31-26 CIVIL STATE OF CALIFORNIA

City of Santa Rosa

Brelje & Race CONSULTING ENGINEERS
475 Aviation Blvd., Suite 120 Santa Rosa, CA 95403
Phone: 707-576-1322 www.bnrpc.com

NO.	DATE	REVISION	BY

ROCK CREEK DRIVE & MATANZAS WAY
WATER, SEWER & STORM DRAIN IMPROVEMENTS

HAHMAN DRIVE SURFACING PLAN

CHK BY:	BB
DATE:	JULY 2025
DWN BY:	PIT
SCALE:	AS SHOWN
CONTRACT NO. C02290	
SHEET 18 OF 37	
FILE NO. 2024-0019	

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07–24–25 Patheal \4698\dwg\4698 00\4698.00 PLAN–Surfacing.dwg TAB: 18 HAH DR

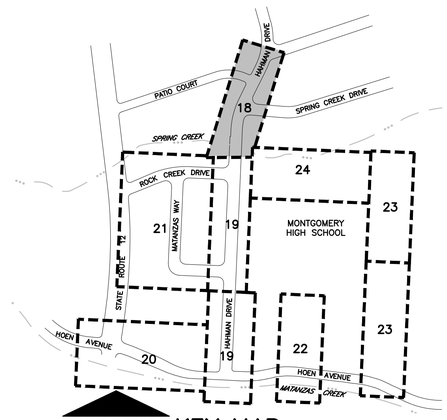
HAHMAN DRIVE MODIFIED SURFACING IMPROVEMENTS ALTERNATE #2 BID ITEM WORK DESCRIPTION

THIS PLAN SHEET REFLECTS THE ALTERNATIVE #2 IMPROVEMENTS, WHICH MAY BE NECESSARY DUE TO THE LACK OF PUBLIC SIDEWALK EASEMENT ACQUISITION AT 1011 HAHMAN DRIVE.

ALTERNATIVE #2 INCLUDES BOTH DEDUCTIVE AND ADDITIVE CHANGES FROM THE BASE BID SCOPE BUT IS EXPECTED TO RESULT IN A NET REDUCTION IN TOTAL BID PRICE. THE CHANGES ARE SUMMARIZED AS FOLLOWS:

- DEDUCTION IN SIDEWALK, CURB AND GUTTER, CURB RAMP, DRIVEWAY APRON, AND SIGNAGE IMPROVEMENTS WITHIN THE PROPOSED PUBLIC SIDEWALK EASEMENT FRONTING 1011 HAHMAN DRIVE.
- DEDUCTION OF THE ADJACENT CURB RAMP AND SIGNAGE ON THE EAST SIDE OF HAHMAN DRIVE FRONTING 2500 PATIO COURT.
- DEDUCTION OF HAHMAN DRIVE ROADWAY RECONSTRUCTION NORTH OF THE HAHMAN DRIVE BRIDGE OVER SPRING CREEK IN LIEU OF TRENCH PAVING.
- DEDUCTION IN STRIPING.

UNIT PRICES PROVIDED FOR ALTERNATIVE #2 UNIT PRICE BID ITEMS SHALL MATCH THE UNIT PRICES PROVIDED FOR THE CORRESPONDING UNIT PRICE ITEMS INCLUDED IN THE BASE BID SCHEDULE, WHETHER ADDITIVE OR DEDUCTIVE.



NORTH KEY MAP

NOT TO SCALE

LEGEND

- LIMITS OF ROAD RECONSTRUCTION – HAHMAN DRIVE 0.20' AC SURFACE OVER 0.87' AC BASE PER DETAIL SHEET 35
- LIMITS OF ROAD RECONSTRUCTION – ROCK CREEK DRIVE 0.20' AC SURFACE OVER 0.50' AC BASE PER DETAIL SHEET 35
- LIMITS OF ROAD RECONSTRUCTION – MATANZAS WAY 0.20' AC SURFACE OVER 0.35' AC BASE PER DETAIL SHEET 35
- LIMITS OF 0.20' AC SURFACE OVER 0.80' AC BASE DEEP LIFT PAVING – ADJACENT TO NEW LIP OF GUTTER OUTSIDE OF ROAD RECONSTRUCTION LIMITS
- APPROXIMATE LIMITS OF TRENCH PAVING, MIN 0.35' AC SECTION PER CITY STD 215
- LIMITS OF ROAD RESURFACING – MONTGOMERY HIGH SCHOOL 0.33' AC SURFACE PER DETAIL ON SHEET 35
- APPROXIMATE LIMITS OF 4" CLASS A PCC SIDEWALK OVER 2" SAND PER CITY STD 235 AND 237
- LIMITS OF CURB RAMP. SEE DETAILS ON SHEETS 30 THRU 34 FOR GRADES
- LIMITS OF COBBLE NON-WALKABLE SURFACE PER DETAIL SHEET 35
- LIMITS OF CONCRETE VALLEY GUTTER OVER 6" CL2AB PER CITY STD 243. SEE DETAILS ON SHEETS 30 THRU 34 FOR GRADES
- LIMITS OF SLURRY SEAL, APPLY CRACK SEAL PRIOR TO SLURRY SEAL APPLICATION
- 6" PCC DRIVEWAY APRON AND ADJACENT SIDEWALK PER CITY STD 250A, 250B, 251 AND 237
- 6" PCC PRIVATE RESIDENTIAL DRIVEWAY TO MATCH EXISTING

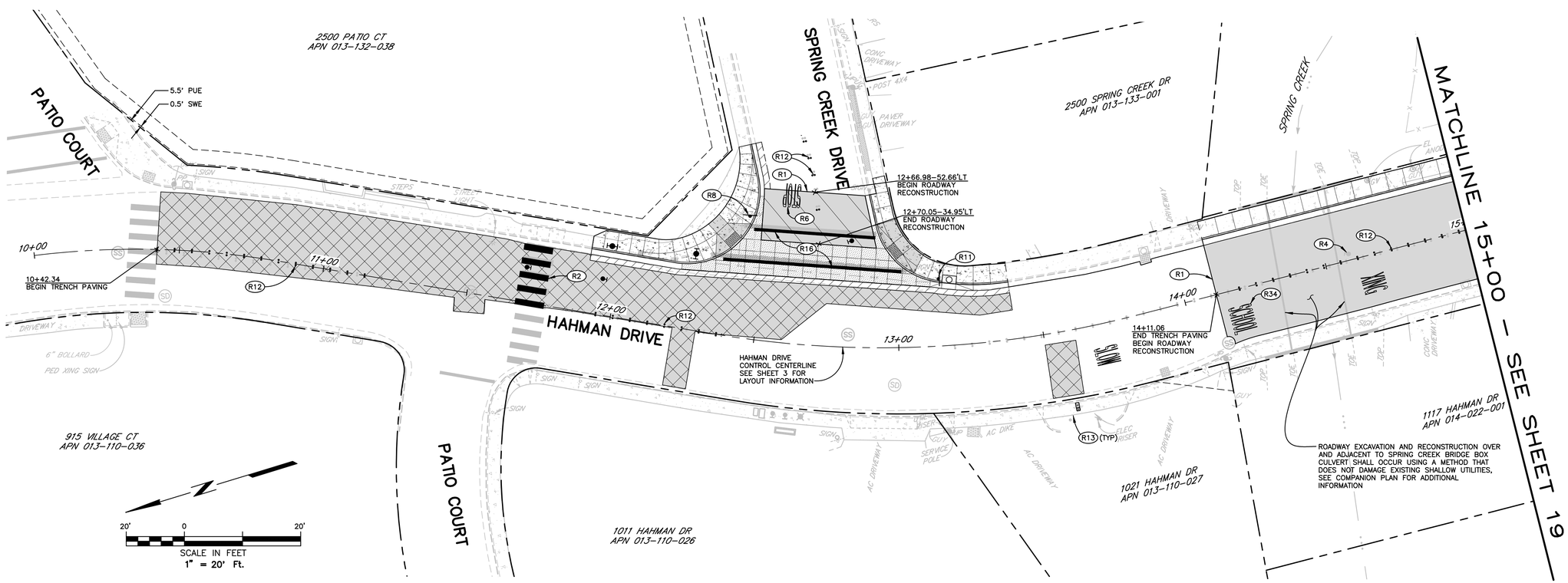
CONSTRUCTION NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

- R1 SAWCUT AND CONFORM TO EXISTING.
- R2 INSTALL 24" WHITE THERMOPLASTIC CONTINENTAL CROSSWALK LINE PER CALTRANS STD PLAN A24F.
- R4 ADJUST EXISTING UTILITY BOX OR VALVE COVER TO GRADE.
- R6 REMOVE AND REPLACE WHITE THERMOPLASTIC "STOP" PAVEMENT MARKING PER CALTRANS STD PLAN A24D.
- R8 REMOVE EXISTING AND REPLACE "STOP" (R1-1) AND STREET NAME SIGNS. REFER TO CITY STD 701 FOR SIGN POLE LOCATION.
- R12 REMOVE AND REPLACE CENTERLINE MARKERS PER 2010 CALTRANS STANDARD PLAN A20A, DETAIL 23.
- R13 REPLACE EX SIDEWALK PER CITY STD 237 AS PART OF SEWER LATERAL, WATER SERVICE, OR FIRE HYDRANT WORK. LIMITS PER CONTRACTOR MEANS AND METHODS, NOT SHOWN ON PLANS.
- R16 REMOVE AND REPLACE 12" WIDE YELLOW THERMOPLASTIC CROSSWALK PAVEMENT MARKING PER CALTRANS STD PLAN A24F.
- R34 REMOVE AND REPLACE YELLOW THERMOPLASTIC "SLOW" "SCHOOL" AND "XING" PAVEMENT MARKINGS PER 2024 CALTRANS STANDARD PLAN 24D

SHEET NOTE

1. UTILITIES NOT SHOWN FOR CLARITY PURPOSES, SEE COMPANION UTILITY PLAN AND PROFILE SHEETS 4 THRU 16 FOR UTILITY WORK.
2. FOR REFERENCES NOT SHOWN ON THIS SHEET, SEE SHEET 18. ALL ASSOCIATED WORK ON REFERENCED SHEETS, INCLUDING BUT NOT LIMITED TO DETAILED CURB RAMP GRADING PLANS AND ROADWAY RECONSTRUCT FINISHED GRADE CENTERLINE PROFILE, SHALL BE ADJUSTED ACCORDINGLY TO REFLECT THE SCOPE OF THE ALTERNATIVE #2 CHANGES SHOWN ON THIS SHEET.



REGISTERED PROFESSIONAL ENGINEER BENJAMIN L. BRELJE No. 79218 Exp. 3-31-28 CIVIL STATE OF CALIFORNIA

City of Santa Rosa

Brelje&Race CONSULTING ENGINEERS
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Phone: 707-576-1322 www.brelje-race.com

NO.	DATE	REVISION	BY

ROCK CREEK DRIVE & MATANZAS WAY WATER, SEWER & STORM DRAIN IMPROVEMENTS

HAHMAN DRIVE MODIFIED SURFACING PLAN ALTERNATIVE #2

CHK BY:	BB
DATE:	JULY 2025
DWN BY:	PIT
SCALE:	AS SHOWN
CONTRACT NO. C02290	
SHEET 18A OF 37	
FILE NO. 2024-0019	

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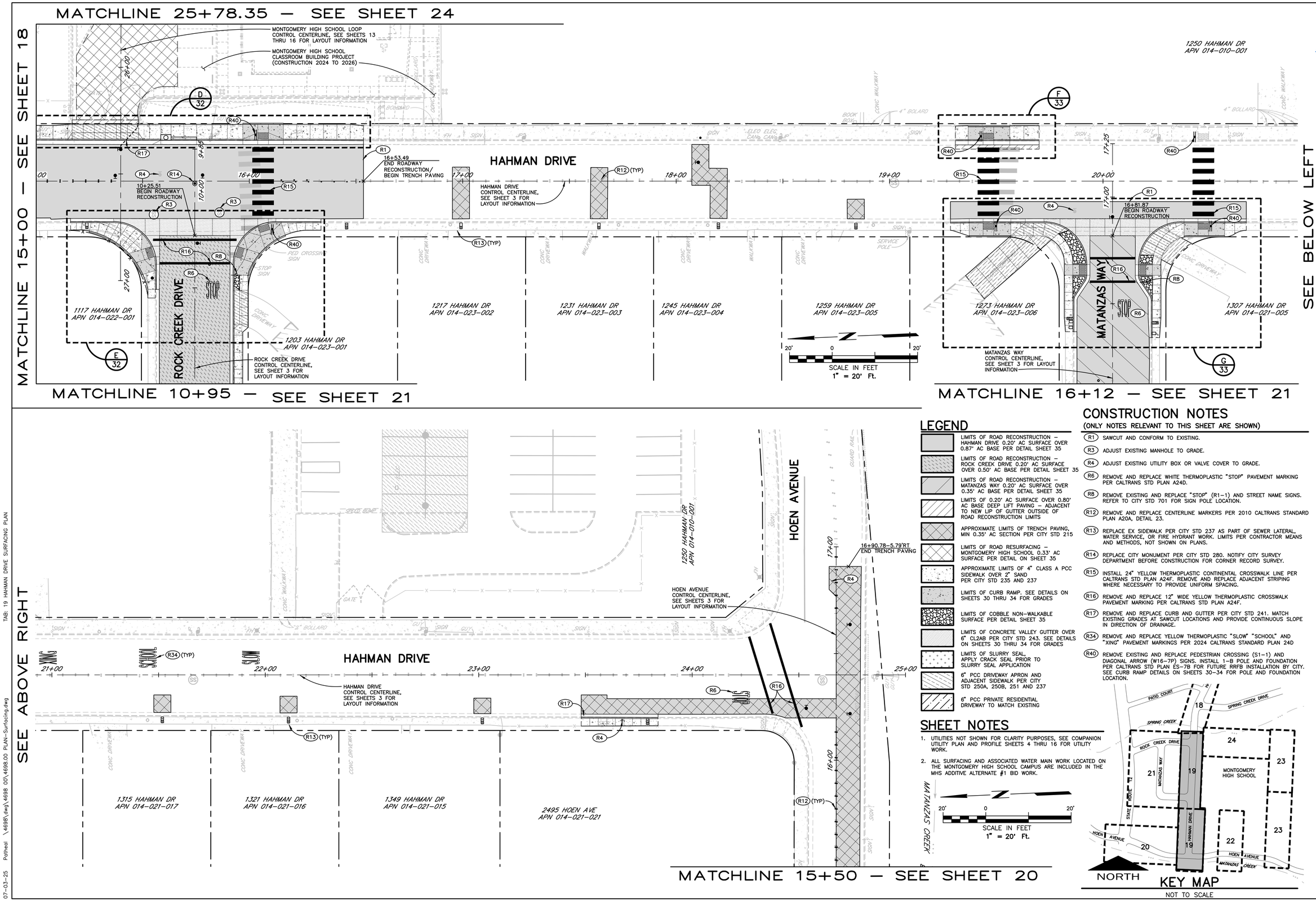
07-24-25 kilfizghi \4698\dwg\4698 00\EXHIBIT\4698.00 EXHIBIT-Hahman Dr.dwg TAB: C2.02A-HAMAN DR.



LEGEND

- LIMITS OF ROAD RECONSTRUCTION – HAHMAN DRIVE 0.20' AC SURFACE OVER 0.87' AC BASE PER DETAIL SHEET 35
- LIMITS OF ROAD RECONSTRUCTION – ROCK CREEK DRIVE 0.20' AC SURFACE OVER 0.50' AC BASE PER DETAIL SHEET 35
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- LIMITS OF 0.20' AC SURFACE OVER 0.80' AC BASE DEEP LIFT PAVING – ADJACENT TO NEW LIP OF GUTTER OUTSIDE OF ROAD RECONSTRUCTION LIMITS
- APPROXIMATE LIMITS OF TRENCH PAVING, MIN 0.35' AC SECTION PER CITY STD 215
- LIMITS OF ROAD RESURFACING – MONTGOMERY HIGH SCHOOL 0.33' AC SURFACE PER DETAIL ON SHEET 35
- APPROXIMATE LIMITS OF 4" CLASS A PCC SIDEWALK OVER 2" SAND PER CITY STD 235 AND 237
- LIMITS OF CURB RAMP. SEE DETAILS ON SHEETS 30 THRU 34 FOR GRADES
- LIMITS OF COBBLE NON–WALKABLE SURFACE PER DETAIL SHEET 35
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- LIMITS OF SLURRY SEAL. APPLY CRACK SEAL PRIOR TO SLURRY SEAL APPLICATION
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SHEET NOTES

1. UTILITIES NOT SHOWN FOR CLARITY PURPOSES, SEE COMPANION UTILITY PLAN AND PROFILE SHEETS 4 THRU 16 FOR UTILITY WORK.
2. ALL SURFACING AND ASSOCIATED WATER MAIN WORK LOCATED ON THE MONTGOMERY HIGH SCHOOL CAMPUS ARE INCLUDED IN THE MHS ADDITIVE ALTERNATE #1 BID WORK.

CONSTRUCTION NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

- (R1) SAWCUT AND CONFORM TO EXISTING.
- (R3) ADJUST EXISTING MANHOLE TO GRADE.
- (R4) ADJUST EXISTING UTILITY BOX OR VALVE COVER TO GRADE.
- (R6) REMOVE AND REPLACE WHITE THERMOPLASTIC "STOP" PAVEMENT MARKING PER CALTRANS STD PLAN A24D.
- (R8) REMOVE EXISTING AND REPLACE "STOP" (R1–1) AND STREET NAME SIGNS. REFER TO CITY STD 701 FOR SIGN POLE LOCATION.
- (R12) REMOVE AND REPLACE CENTERLINE MARKERS PER 2010 CALTRANS STANDARD PLAN A20A, DETAIL 23.
- (R13) REPLACE EX SIDEWALK PER CITY STD 237 AS PART OF SEWER LATERAL, WATER SERVICE, OR FIRE HYDRANT WORK. LIMITS PER CONTRACTOR MEANS AND METHODS, NOT SHOWN ON PLANS.
- (R14) REPLACE CITY MONUMENT PER CITY STD 280. NOTIFY CITY SURVEY DEPARTMENT BEFORE CONSTRUCTION FOR CORNER RECORD SURVEY.
- (R15) INSTALL 24" YELLOW THERMOPLASTIC CONTINENTAL CROSSWALK LINE PER CALTRANS STD PLAN A24F. REMOVE AND REPLACE ADJACENT STRIPING WHERE NECESSARY TO PROVIDE UNIFORM SPACING.
- (R16) REMOVE AND REPLACE 12" WIDE YELLOW THERMOPLASTIC CROSSWALK PAVEMENT MARKING PER CALTRANS STD PLAN A24F.
- (R17) REMOVE AND REPLACE CURB AND GUTTER PER CITY STD 241. MATCH EXISTING GRADES AT SAWCUT LOCATIONS AND PROVIDE CONTINUOUS SLOPE IN DIRECTION OF DRAINAGE.
- (R34) REMOVE AND REPLACE YELLOW THERMOPLASTIC "SLOW" "SCHOOL" AND "XING" PAVEMENT MARKINGS PER 2024 CALTRANS STANDARD PLAN 24D
- (R40) REMOVE EXISTING AND REPLACE PEDESTRIAN CROSSING (S1–1) AND DIAGONAL ARROW (W16–7P) SIGNS. INSTALL 1–B POLE AND FOUNDATION PER CALTRANS STD PLAN ES–7B FOR FUTURE RRFB INSTALLATION BY CITY. SEE CURB RAMP DETAILS ON SHEETS 30–34 FOR POLE AND FOUNDATION LOCATION.

KEY MAP

NOT TO SCALE

City of Santa Rosa
Brelje & Race
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Phone: 707-576-1322 www.brelje-race.com

REGISTERED PROFESSIONAL ENGINEER BENJAMIN L. BRELJE No. 79218 Exp. 3-31-26 CIVIL STATE OF CALIFORNIA

NO.	DATE	REVISION	BY

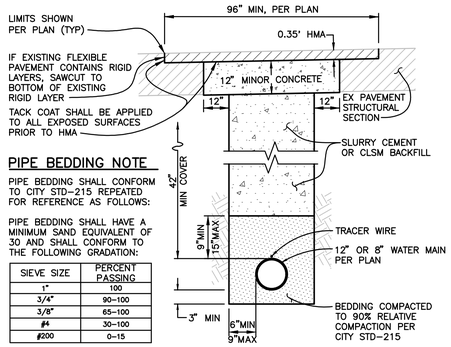
ROCK CREEK DRIVE & MATANZAS WAY WATER, SEWER & STORM DRAIN IMPROVEMENTS

HAHMAN DRIVE SURFACING PLAN

CHK BY:	BB
DATE:	JULY 2025
DWN BY:	PIT
SCALE:	AS SHOWN
CONTRACT NO.	C02290
SHEET	19 OF 37
FILE NO.	2024-0019

C 2.03

07-03-25 Patheal \4698\dwg\4698 00\4698.00 PLAN-Surfacing.dwg TAB: 19 HAHMAN DRIVE SURFACING PLAN



PIPE BEDDING NOTE

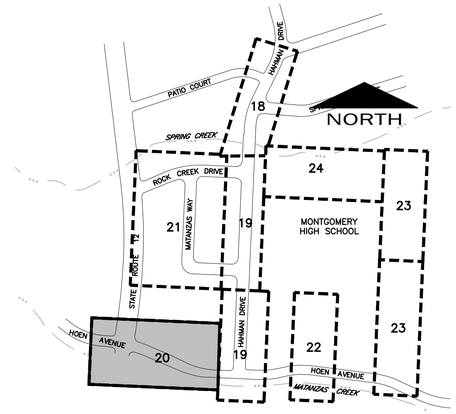
PIPE BEDDING SHALL CONFORM TO CITY STD-215 REPEATED FOR REFERENCE AS FOLLOWS:

PIPE BEDDING SHALL HAVE A MINIMUM SAND EQUIVALENT OF 30 AND SHALL CONFORM TO THE FOLLOWING GRADATION:

SIEVE SIZE	PERCENT PASSING
1"	100
3/4"	90–100
3/8"	65–100
#4	30–100
#200	0–15

CALTRANS MODIFIED TRENCH PAVING DETAIL

NOT TO SCALE



SURFACE PLAN KEY MAP

NOT TO SCALE

CONSTRUCTION NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

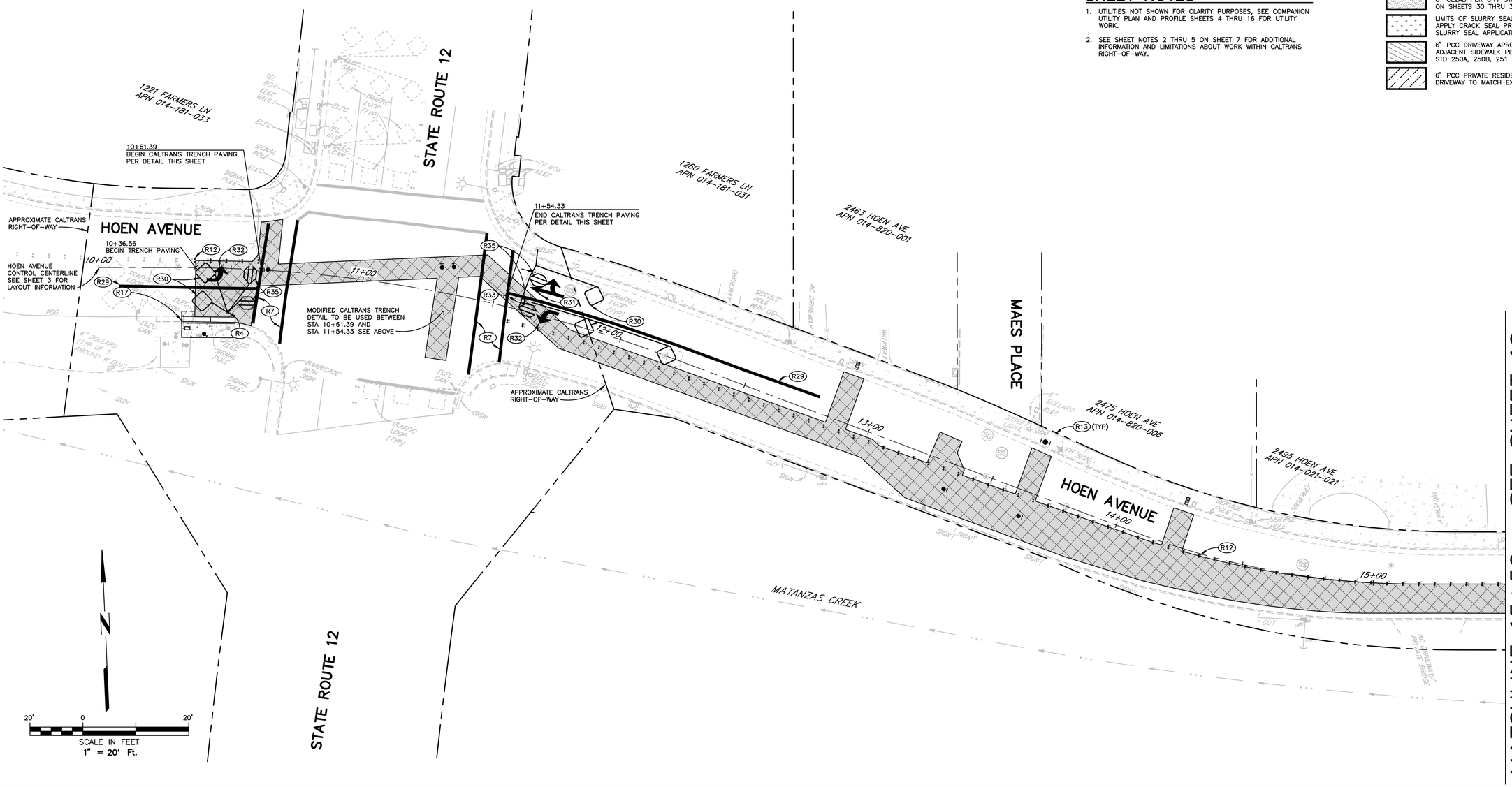
- R4 ADJUST EXISTING UTILITY BOX OR VALVE COVER TO GRADE.
- R7 REMOVE AND REPLACE 12" WIDE WHITE THERMOPLASTIC CROSSWALK PAVEMENT MARKING PER CALTRANS STD PLAN A24F.
- R12 REMOVE AND REPLACE CENTERLINE MARKERS PER 2010 CALTRANS STANDARD PLAN A20A, DETAIL 23.
- R13 REPLACE EX SIDEWALK PER CITY STD 237 AS PART OF SEWER LATERAL, WATER SERVICE, OR FIRE HYDRANT WORK. LIMITS PER CONTRACTOR MEANS AND METHODS, NOT SHOWN ON PLANS.
- R17 REMOVE AND REPLACE CURB AND GUTTER PER CITY STD 241. MATCH EXISTING GRADES AT SAWCUT LOCATIONS AND PROVIDE CONTINUOUS SLOPE IN DIRECTION OF DRAINAGE.
- R29 REMOVE AND REPLACE 6" WIDE CHANNELIZING LINE (THERMOPLASTIC) PER CALTRANS 2023 STANDARD PLAN A20D (LENGTH TO MATCH EXISTING).
- R30 INSTALL TYPE "B" TRAFFIC LOOP TO EXISTING HAND HOLE OR PULL BOX AS SHOWN, ABANDON EXISTING.
- R31 INSTALL TYPE VII (R) ARROW PER CALTRANS 2023 STANDARD PLAN A24A.
- R32 INSTALL TYPE IV (L) ARROW PER CALTRANS 2023 STANDARD PLAN A24A.
- R33 INSTALL BICYCLE LOOP DETECTOR SYMBOL PER CALTRANS 2023 STANDARD PLAN A24C.
- R35 INSTALL TYPE "D" TRAFFIC LOOP TO EXISTING HAND HOLE OR PULL BOX AS SHOWN, ABANDON EXISTING.

SHEET NOTES

1. UTILITIES NOT SHOWN FOR CLARITY PURPOSES, SEE COMPANION UTILITY PLAN AND PROFILE SHEETS 4 THRU 16 FOR UTILITY WORK.
2. SEE SHEET NOTES 2 THRU 5 ON SHEET 7 FOR ADDITIONAL INFORMATION AND LIMITATIONS ABOUT WORK WITHIN CALTRANS RIGHT-OF-WAY.

LEGEND

- LIMITS OF ROAD RECONSTRUCTION – HAHMAN DRIVE 0.20' AC SURFACE OVER 0.87' AC BASE PER DETAIL SHEET 35
- LIMITS OF ROAD RECONSTRUCTION – ROCK CREEK DRIVE 0.20' AC SURFACE OVER 0.50' AC BASE PER DETAIL SHEET 35
- LIMITS OF ROAD RECONSTRUCTION – MATANZAS WAY 0.20' AC SURFACE OVER 0.35' AC BASE PER DETAIL SHEET 35
- LIMITS OF 0.20' AC SURFACE OVER 0.80' AC BASE DEEP LIFT PAVING – ADJACENT TO NEW LIP OF GUTTER OUTSIDE OF ROAD RECONSTRUCTION LIMITS
- APPROXIMATE LIMITS OF TRENCH PAVING, MIN 0.35' AC SECTION PER CITY STD 215
- LIMITS OF ROAD RESURFACING – MONTGOMERY HIGH SCHOOL 0.33' AC SURFACE PER DETAIL ON SHEET 35
- APPROXIMATE LIMITS OF 4" CLASS A PCC SIDEWALK OVER 2" SAND PER CITY STD 235 AND 237
- LIMITS OF CURB RAMP. SEE DETAILS ON SHEETS 30 THRU 34 FOR GRADES
- LIMITS OF COBBLE NON-WALKABLE SURFACE PER DETAIL SHEET 35
- LIMITS OF CONCRETE VALLEY GUTTER OVER 6" CL2AB PER CITY STD 243. SEE DETAILS ON SHEETS 30 THRU 34 FOR GRADES
- LIMITS OF SLURRY SEAL, APPLY CRACK SEAL PRIOR TO SLURRY SEAL APPLICATION
- 6" PCC DRIVEWAY APRON AND ADJACENT SIDEWALK PER CITY STD 250A, 250B, 251 AND 237
- 6" PCC PRIVATE RESIDENTIAL DRIVEWAY TO MATCH EXISTING



REGISTERED PROFESSIONAL ENGINEER BENJAMIN L. BRELJE No. 79218 Exp. 3-31-26 CIVIL STATE OF CALIFORNIA

City of Santa Rosa

Brelje&Race CONSULTING ENGINEERS
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Phone: 707-576-1322 www.brelje-race.com

NO.	DATE	REVISION	BY

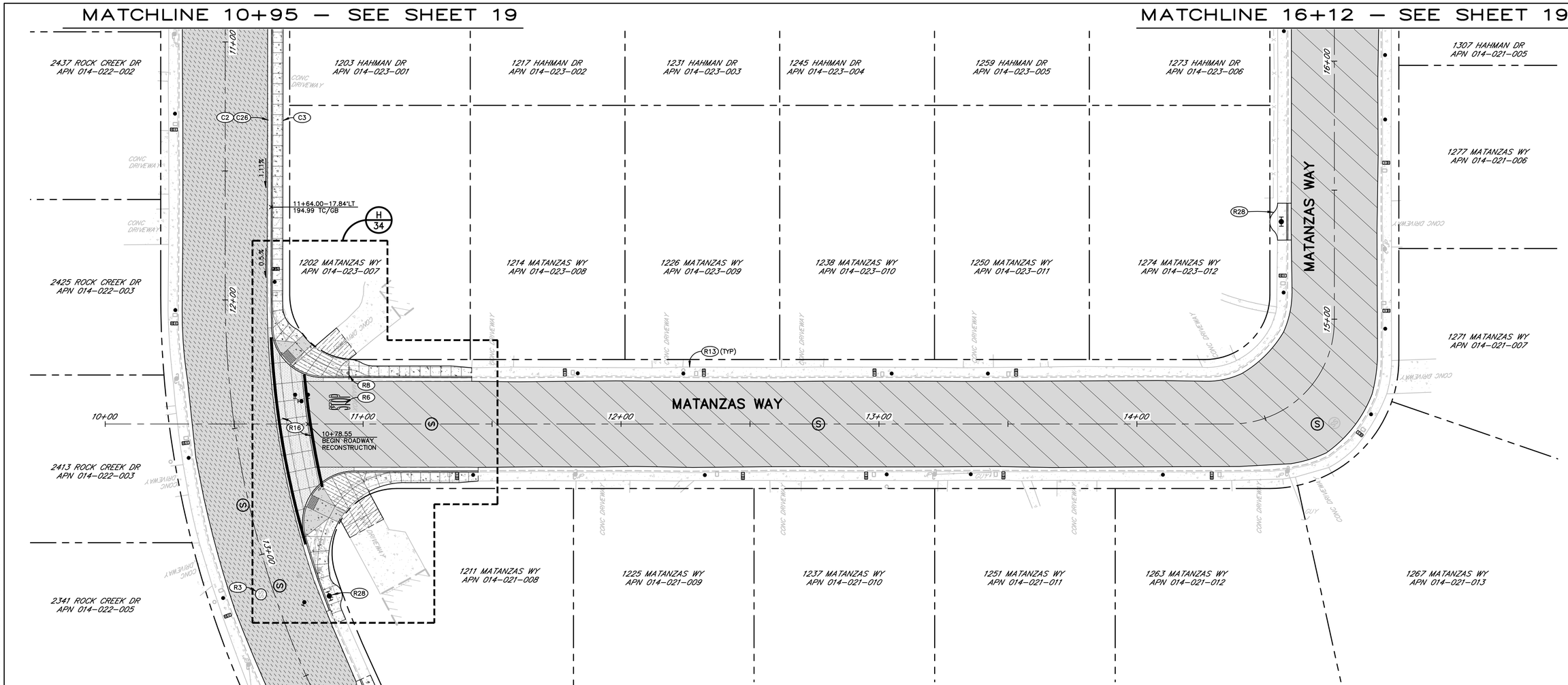
ROCK CREEK DRIVE & MATANZAS WAY
WATER, SEWER & STORM DRAIN IMPROVEMENTS

HOEN AVENUE
SURFACING PLAN

CHK BY:	BB
DATE:	JULY 2025
DWN BY:	PIT
SCALE:	AS SHOWN
CONTRACT NO. C02290	
SHEET 20 OF 37	
FILE NO. 2024-0019	

C 2.04

07-03-25 Patheal \4698\dwg\4698 00\4698.00 PLAN-Surfacing.dwg TAB: 20 HOEN AVENUE SURFACING PLAN



CONSTRUCTION NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

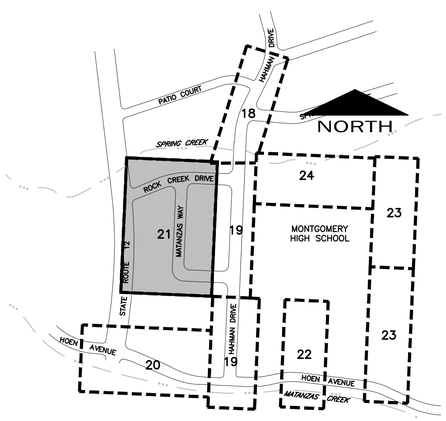
- (R3) ADJUST EXISTING MANHOLE TO GRADE.
- (R5) REMOVE & REPLACE 12" WIDE WHITE THERMOPLASTIC LIMIT LINE (STOP BAR) PAVEMENT MARKING PER CALTRANS STD PLAN A24E.
- (R6) REMOVE AND REPLACE WHITE THERMOPLASTIC "STOP" PAVEMENT MARKING PER CALTRANS STD PLAN A24D.
- (R8) REMOVE EXISTING AND REPLACE "STOP" (R1-1) AND STREET NAME SIGNS. REFER TO CITY STD 701 FOR SIGN POLE LOCATION.
- (R13) REPLACE EX SIDEWALK PER CITY STD 237 AS PART OF SEWER LATERAL, WATER SERVICE, OR FIRE HYDRANT WORK. LIMITS PER CONTRACTOR MEANS AND METHODS, NOT SHOWN ON PLANS.
- (R16) REMOVE AND REPLACE 12" WIDE YELLOW THERMOPLASTIC CROSSWALK PAVEMENT MARKING PER CALTRANS STD PLAN A24F.
- (R28) PROVIDE 4' CLEARANCE AROUND FIRE HYDRANT PER CITY STD.
- (C2) REMOVE AND REPLACE CURB AND GUTTER PER CITY STD 241. MATCH EXISTING GRADES AT SAWCUT LOCATIONS AND PROVIDE CONTINUOUS SLOPE IN DIRECTION OF DRAINAGE.
- (C3) REMOVE AND REPLACE 5' MINIMUM OF EXISTING SIDEWALK TO NEAREST SCORE MARK PER CITY STD 237. MATCH EXISTING GRADES AND TRANSITION FROM 1.5% MAX FINISHED GRADE CROSS SLOPE (UNLESS SHOWN OTHERWISE) TO MATCH SAWCUT CONFORM LOCATIONS.
- (C26) INSTALL 18" CURB AND GUTTER PER DETAIL SHEET 35.

SHEET NOTE

UTILITIES NOT SHOWN FOR CLARITY PURPOSES, SEE COMPANION UTILITY PLAN AND PROFILE SHEETS 4 THRU 16 FOR UTILITY WORK.

LEGEND

- LIMITS OF ROAD RECONSTRUCTION — HAHMAN DRIVE 0.20' AC SURFACE OVER 0.87' AC BASE PER DETAIL SHEET 35
- LIMITS OF ROAD RECONSTRUCTION — ROCK CREEK DRIVE 0.20' AC SURFACE OVER 0.50' AC BASE PER DETAIL SHEET 35
- LIMITS OF ROAD RECONSTRUCTION — MATANZAS WAY 0.20' AC SURFACE OVER 0.35' AC BASE PER DETAIL SHEET 35
- LIMITS OF 0.20' AC SURFACE OVER 0.80' AC BASE DEEP LIFT PAVING — ADJACENT TO NEW LIP OF GUTTER OUTSIDE OF ROAD RECONSTRUCTION LIMITS
- APPROXIMATE LIMITS OF TRENCH PAVING, MIN 0.35' AC SECTION PER CITY STD 215
- LIMITS OF ROAD RESURFACING — MONTGOMERY HIGH SCHOOL 0.33' AC SURFACE PER DETAIL ON SHEET 35
- APPROXIMATE LIMITS OF 4" CLASS A PCC SIDEWALK OVER 2" SAND PER CITY STD 235 AND 237
- LIMITS OF CURB RAMP. SEE DETAILS ON SHEETS 30 THRU 34 FOR GRADES
- LIMITS OF COBBLE NON-WALKABLE SURFACE PER DETAIL SHEET 35
- LIMITS OF CONCRETE VALLEY GUTTER OVER 6" CL2AB PER CITY STD 243. SEE DETAILS ON SHEETS 30 THRU 34 FOR GRADES
- LIMITS OF SLURRY SEAL. APPLY CRACK SEAL PRIOR TO SLURRY SEAL APPLICATION
- 6" PCC DRIVEWAY APRON AND ADJACENT SIDEWALK PER CITY STD 250A, 250B, 251 AND 237
- 6" PCC PRIVATE RESIDENTIAL DRIVEWAY TO MATCH EXISTING



SURFACE PLAN KEY MAP

NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER BENJAMIN L. PITT No. 79218 Exp. 3-31-26 CIVIL STATE OF CALIFORNIA

City of Santa Rosa

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475 Aviation Blvd., Suite 110, Santa Rosa, CA 95403
Phone: 707-576-1322 www.brelje-race.com

NO.	DATE	REVISION	BY

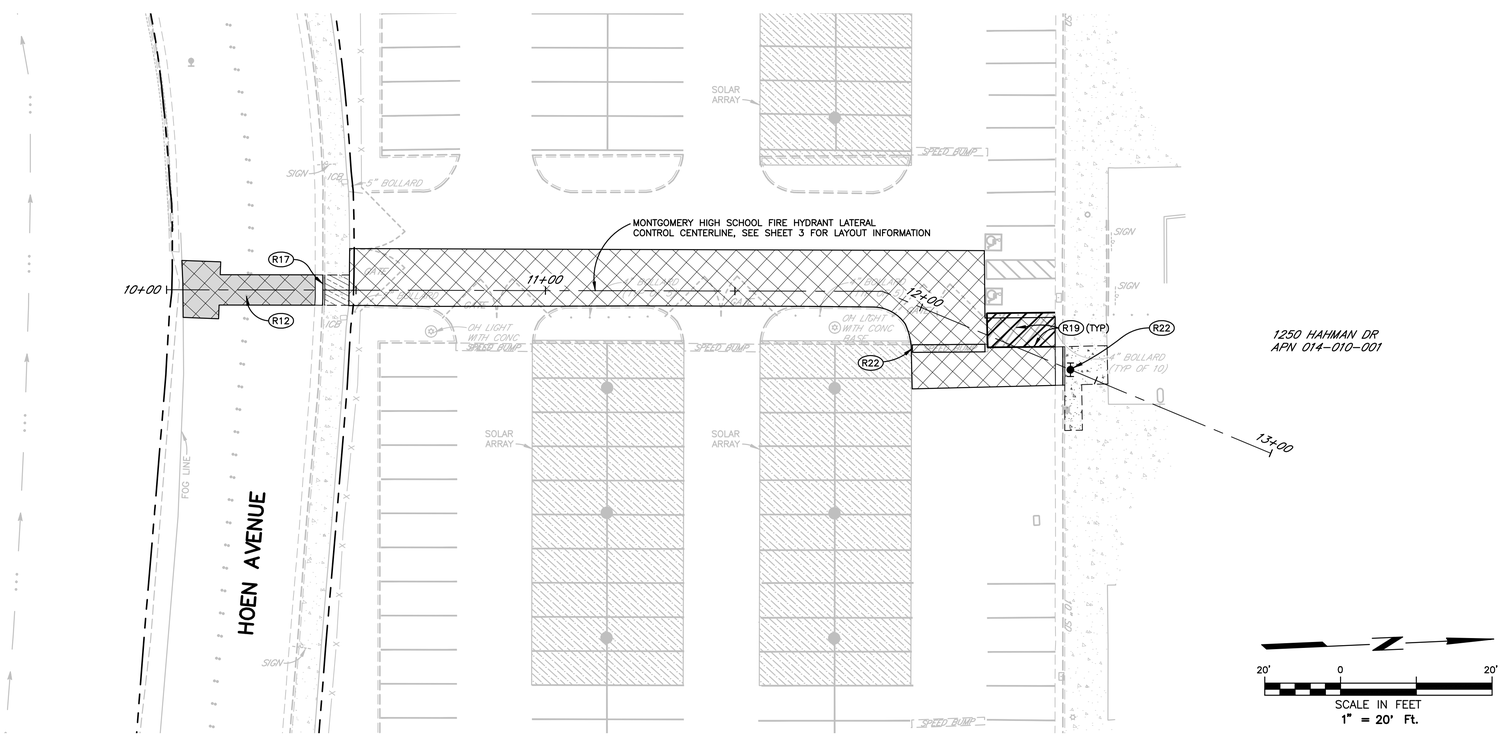
ROCK CREEK DRIVE & MATANZAS WAY
WATER, SEWER & STORM DRAIN IMPROVEMENTS

ROCK CREEK DRIVE & MATANZAS WAY
SURFACING PLAN

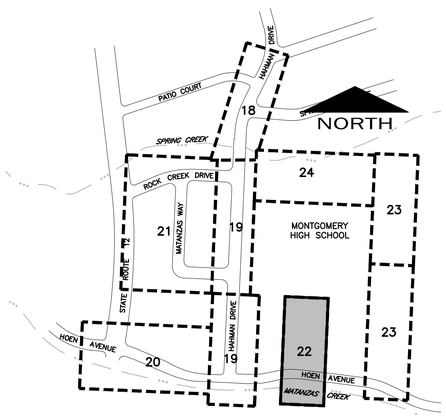
CHK BY:	BB
DATE:	JULY 2025
DWN BY:	PIT
SCALE:	AS SHOWN
CONTRACT NO. C02290	
SHEET 21 OF 37	
FILE NO. 2024-0019	

C 2.05

07-03-25 Patheal \4698\dwg\4698 00\4698.00 PLAN-Surfacing.dwg TAB: 21 ROCK CREEK DRIVE & MATANZAS WAY SURFACING PLAN



20' 0 20'
SCALE IN FEET
1" = 20' Ft.



SURFACE PLAN KEY MAP

NOT TO SCALE

CONSTRUCTION NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

(R12) REMOVE AND REPLACE CENTERLINE MARKERS PER 2010 CALTRANS STANDARD PLAN A20A, DETAIL 23.

(R17) REMOVE AND REPLACE CURB AND GUTTER PER CITY STD 241. MATCH EXISTING GRADES AT SAWCUT LOCATIONS AND PROVIDE CONTINUOUS SLOPE IN DIRECTION OF DRAINAGE.

(R19) REMOVE AND REPLACE 6" WIDE PAINTED (NON-THERMOPLASTIC) PARKING SPACE STRIPE (LENGTH TO MATCH EXISTING).

(R22) RECONSTRUCT SPEED BUMP PER DETAIL SHEET 30.

LEGEND

- LIMITS OF ROAD RECONSTRUCTION – HAHMAN DRIVE 0.20' AC SURFACE OVER 0.87' AC BASE PER DETAIL SHEET 35
- LIMITS OF ROAD RECONSTRUCTION – ROCK CREEK DRIVE 0.20' AC SURFACE OVER 0.50' AC BASE PER DETAIL SHEET 35
- LIMITS OF ROAD RECONSTRUCTION – MATANZAS WAY 0.20' AC SURFACE OVER 0.35' AC BASE PER DETAIL SHEET 35
- LIMITS OF 0.20' AC SURFACE OVER 0.80' AC BASE DEEP LIFT PAVING – ADJACENT TO NEW LIP OF GUTTER OUTSIDE OF ROAD RECONSTRUCTION LIMITS
- APPROXIMATE LIMITS OF TRENCH PAVING, MIN 0.35' AC SECTION PER CITY STD 215
- LIMITS OF ROAD RESURFACING – MONTGOMERY HIGH SCHOOL 0.33' AC SURFACE PER DETAIL ON SHEET 35
- APPROXIMATE LIMITS OF 4" CLASS A PCC SIDEWALK OVER 2" SAND PER CITY STD 235 AND 237
- LIMITS OF CURB RAMP. SEE DETAILS ON SHEETS 30 THRU 34 FOR GRADES
- LIMITS OF COBBLE NON-WALKABLE SURFACE PER DETAIL SHEET 35
- LIMITS OF CONCRETE VALLEY GUTTER OVER 6" CL2AB PER CITY STD 243. SEE DETAILS ON SHEETS 30 THRU 34 FOR GRADES
- LIMITS OF SLURRY SEAL, APPLY CRACK SEAL PRIOR TO SLURRY SEAL APPLICATION
- 6" PCC DRIVEWAY APRON AND ADJACENT SIDEWALK PER CITY STD 250A, 250B, 251 AND 237
- 6" PCC PRIVATE RESIDENTIAL DRIVEWAY TO MATCH EXISTING

SHEET NOTES

1. UTILITIES NOT SHOWN FOR CLARITY PURPOSES, SEE COMPANION UTILITY PLAN AND PROFILE SHEETS 4 THRU 16 FOR UTILITY WORK.
2. ALL SURFACING AND ASSOCIATED WATER MAIN WORK SHOWN ON THIS SHEET ARE INCLUDED IN THE MHS WATER IMPROVEMENTS ADDITIVE ALTERNATE #1 BID WORK.
3. ALL SURFACE RESTORATION WORK ON MONTGOMERY HIGH SCHOOL CAMPUS SHALL BE COMPLETED DURING SCHOOL BREAKS, SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

REGISTERED PROFESSIONAL ENGINEER BENJAMIN L. PITT No. 79218 Exp. 3-31-26 CIVIL STATE OF CALIFORNIA

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NO.	DATE	REVISION	BY

ROCK CREEK DRIVE & MATANZAS WAY WATER, SEWER & STORM DRAIN IMPROVEMENTS

MONTGOMERY HIGH SCHOOL FIRE HYDRANT LATERAL SURFACING PLAN

CHK BY:	BB
DATE:	JULY 2025
DWN BY:	PIT
SCALE:	AS SHOWN
CONTRACT NO.	C02290
SHEET	22 OF 37
FILE NO.	2024-0019

C 2.06

SHEET NOTES

1. UTILITIES NOT SHOWN FOR CLARITY PURPOSES, SEE COMPANION UTILITY PLAN AND PROFILE SHEETS 4 THRU 16 FOR UTILITY WORK.
2. ALL SURFACING AND ASSOCIATED WATER MAIN LOCATED ON THE MONTGOMERY HIGH SCHOOL CAMPUS ARE INCLUDED IN THE MHS ADDITIVE ALTERNATE #1 BID WORK.
3. ALL SURFACE RESTORATION WORK ON MONTGOMERY HIGH SCHOOL CAMPUS SHALL BE COMPLETED DURING SCHOOL BREAKS, SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

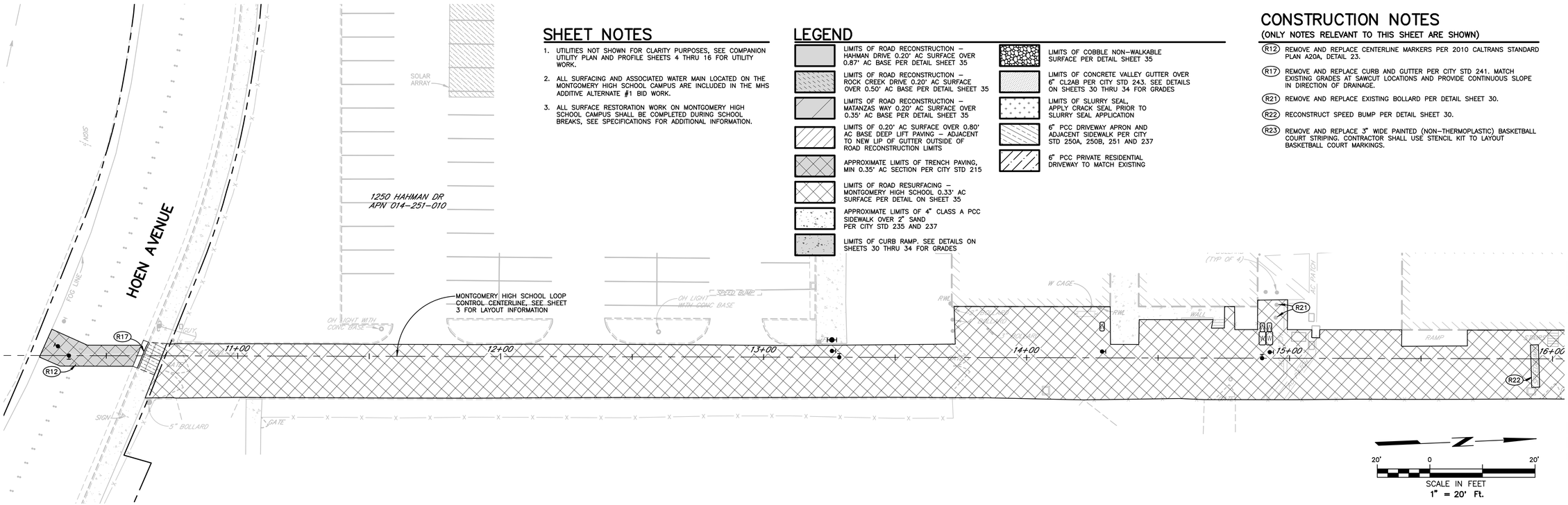
LEGEND

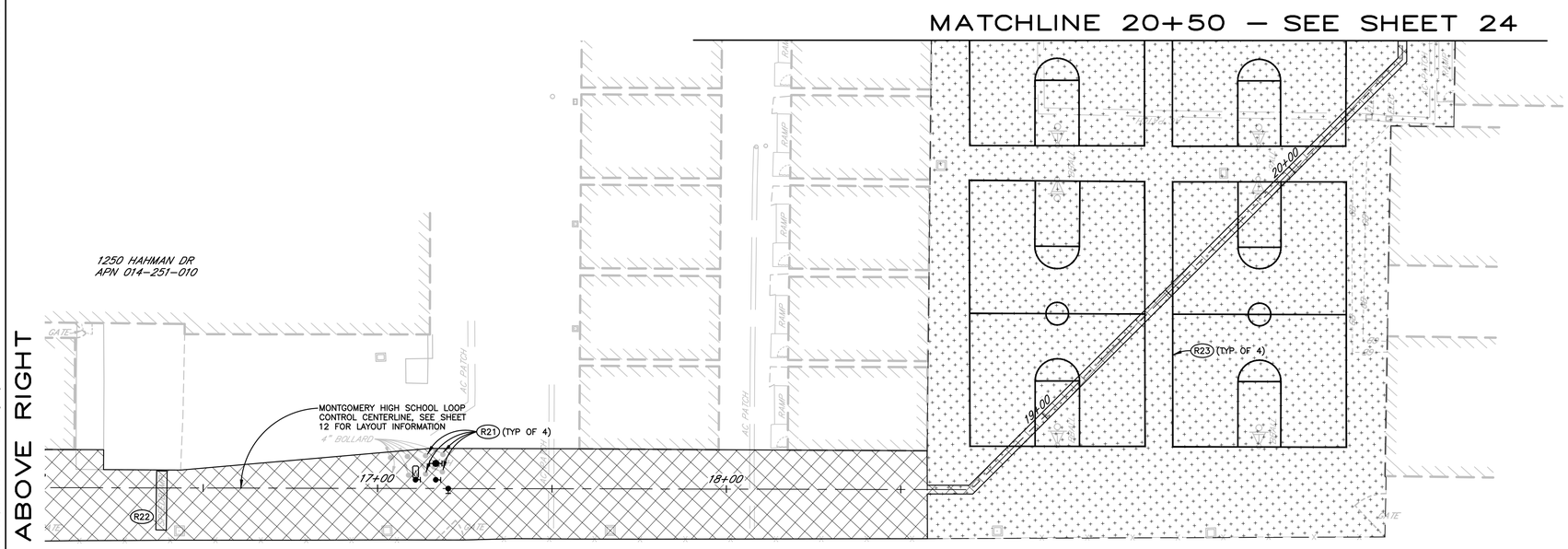
- LIMITS OF ROAD RECONSTRUCTION – HAHMAN DRIVE 0.20' AC SURFACE OVER 0.87' AC BASE PER DETAIL SHEET 35
- LIMITS OF ROAD RECONSTRUCTION – ROCK CREEK DRIVE 0.20' AC SURFACE OVER 0.50' AC BASE PER DETAIL SHEET 35
- LIMITS OF ROAD RECONSTRUCTION – MATANZAS WAY 0.20' AC SURFACE OVER 0.35' AC BASE PER DETAIL SHEET 35
- LIMITS OF 0.20' AC SURFACE OVER 0.80' AC BASE DEEP LIFT PAVING – ADJACENT TO NEW LIP OF GUTTER OUTSIDE OF ROAD RECONSTRUCTION LIMITS
- APPROXIMATE LIMITS OF TRENCH PAVING, MIN 0.35' AC SECTION PER CITY STD 215
- LIMITS OF ROAD RESURFACING – MONTGOMERY HIGH SCHOOL 0.33' AC SURFACE PER DETAIL ON SHEET 35
- APPROXIMATE LIMITS OF 4" CLASS A PCC SIDEWALK OVER 2" SAND PER CITY STD 235 AND 237
- LIMITS OF CURB RAMP. SEE DETAILS ON SHEETS 30 THRU 34 FOR GRADES
- LIMITS OF COBBLE NON-WALKABLE SURFACE PER DETAIL SHEET 35
- LIMITS OF CONCRETE VALLEY GUTTER OVER 6" CL2AB PER CITY STD 243. SEE DETAILS ON SHEETS 30 THRU 34 FOR GRADES
- LIMITS OF SLURRY SEAL, APPLY CRACK SEAL PRIOR TO SLURRY SEAL APPLICATION
- 6" PCC DRIVEWAY APRON AND ADJACENT SIDEWALK PER CITY STD 250A, 250B, 251 AND 237
- 6" PCC PRIVATE RESIDENTIAL DRIVEWAY TO MATCH EXISTING

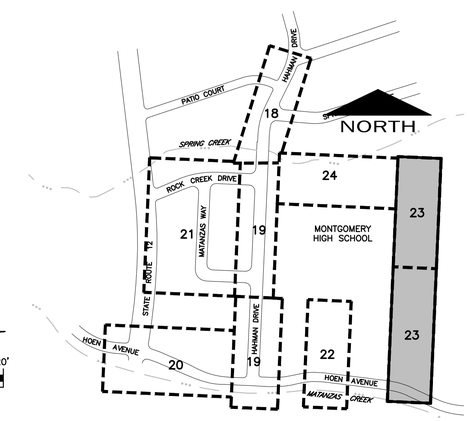
CONSTRUCTION NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

- (R12) REMOVE AND REPLACE CENTERLINE MARKERS PER 2010 CALTRANS STANDARD PLAN A20A, DETAIL 23.
- (R17) REMOVE AND REPLACE CURB AND GUTTER PER CITY STD 241. MATCH EXISTING GRADES AT SAWCUT LOCATIONS AND PROVIDE CONTINUOUS SLOPE IN DIRECTION OF DRAINAGE.
- (R21) REMOVE AND REPLACE EXISTING BOLLARD PER DETAIL SHEET 30.
- (R22) RECONSTRUCT SPEED BUMP PER DETAIL SHEET 30.
- (R23) REMOVE AND REPLACE 3" WIDE PAINTED (NON-THERMOPLASTIC) BASKETBALL COURT STRIPING. CONTRACTOR SHALL USE STENCIL KIT TO LAYOUT BASKETBALL COURT MARKINGS.







SURFACE PLAN KEY MAP

NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER BENJAMIN L. BRELJE No. 79218 Exp. 3-31-26 CIVIL STATE OF CALIFORNIA

City of Santa Rosa

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NO.	DATE	REVISION	BY

ROCK CREEK DRIVE & MATANZAS WAY WATER, SEWER & STORM DRAIN IMPROVEMENTS

MONTGOMERY HIGH SCHOOL WATER MAIN LOOP SURFACING PLAN

CHK BY:	BB
DATE:	JULY 2025
DWN BY:	PIT
SCALE:	AS SHOWN
CONTRACT NO. C02290	
SHEET 23 OF 37	
FILE NO. 2024-0019	

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07-03-25 Patheal \4698\dwg\4698 00\4698.00 PLAN-Surfacing.dwg TAB: 23 MONTGOMERY HIGH SCHOOL WATER MAIN LOOP SURFACING PLAN

CONSTRUCTION NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

R21 REMOVE AND REPLACE EXISTING BOLLARD PER DETAIL SHEET 30.

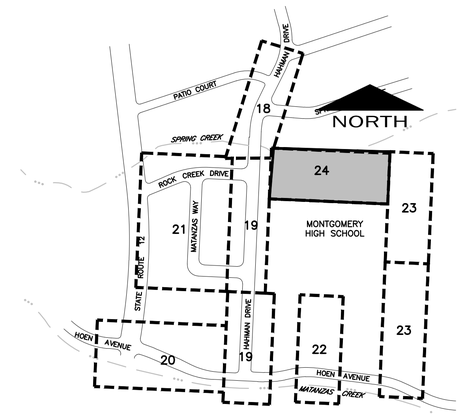
R23 REMOVE AND REPLACE 3" WIDE PAINTED (NON-THERMOPLASTIC) BASKETBALL COURT STRIPING. CONTRACTOR SHALL USE STENCIL KIT TO LAYOUT BASKETBALL COURT MARKINGS.

SHEET NOTES

1. UTILITIES NOT SHOWN FOR CLARITY PURPOSES, SEE COMPANION UTILITY PLAN AND PROFILE SHEETS 4 THRU 16 FOR UTILITY WORK.
2. ALL SURFACING AND ASSOCIATED WATER MAIN WORK SHOWN ON THIS SHEET ARE INCLUDED IN THE MHS WATER IMPROVEMENTS ADDITIVE ALTERNATE #1 BID WORK.
3. ALL SURFACE RESTORATION WORK ON MONTGOMERY HIGH SCHOOL CAMPUS SHALL BE COMPLETED DURING SCHOOL BREAKS, SEE SPECIFICATIONS FOR ADDITIVE INFORMATION.

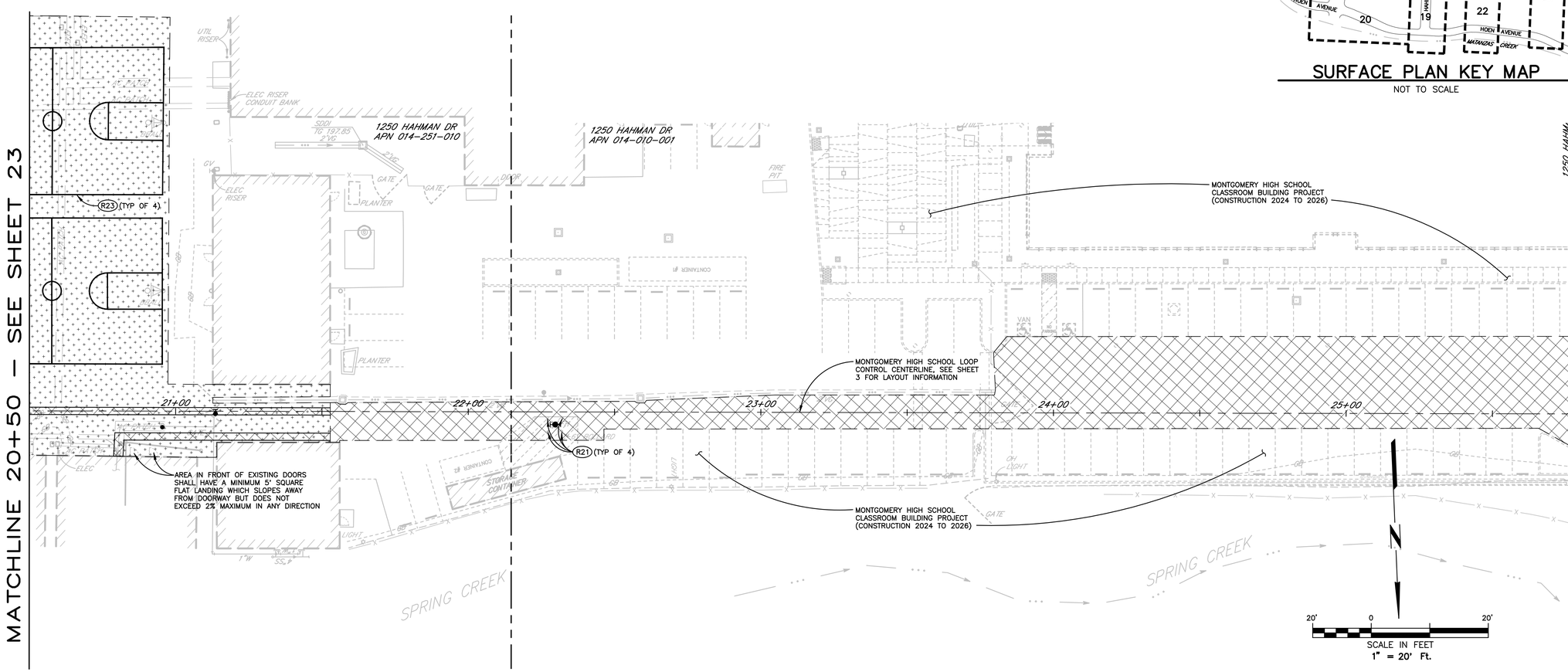
LEGEND

- LIMITS OF ROAD RECONSTRUCTION – HAHMAN DRIVE 0.20' AC SURFACE OVER 0.87' AC BASE PER DETAIL SHEET 35
- LIMITS OF ROAD RECONSTRUCTION – ROCK CREEK DRIVE 0.20' AC SURFACE OVER 0.50' AC BASE PER DETAIL SHEET 35
- LIMITS OF ROAD RECONSTRUCTION – MATANZAS WAY 0.20' AC SURFACE OVER 0.35' AC BASE PER DETAIL SHEET 35
- LIMITS OF 0.20' AC SURFACE OVER 0.80' AC BASE DEEP LIFT PAVING – ADJACENT TO NEW LIP OF GUTTER OUTSIDE OF ROAD RECONSTRUCTION LIMITS
- APPROXIMATE LIMITS OF TRENCH PAVING, MIN 0.35' AC SECTION PER CITY STD 215
- LIMITS OF ROAD RESURFACING – MONTGOMERY HIGH SCHOOL 0.33' AC SURFACE PER DETAIL ON SHEET 35
- APPROXIMATE LIMITS OF 4" CLASS A PCC SIDEWALK OVER 2" SAND PER CITY STD 235 AND 237
- LIMITS OF CURB RAMP. SEE DETAILS ON SHEETS 30 THRU 34 FOR GRADES
- LIMITS OF COBBLE NON-WALKABLE SURFACE PER DETAIL SHEET 35
- LIMITS OF CONCRETE VALLEY GUTTER OVER 6" CL2AB PER CITY STD 243. SEE DETAILS ON SHEETS 30 THRU 34 FOR GRADES
- LIMITS OF SLURRY SEAL, APPLY CRACK SEAL PRIOR TO SLURRY SEAL APPLICATION
- 6" PCC DRIVEWAY APRON AND ADJACENT SIDEWALK PER CITY STD 250A, 250B, 251 AND 237
- 6" PCC PRIVATE RESIDENTIAL DRIVEWAY TO MATCH EXISTING



SURFACE PLAN KEY MAP

NOT TO SCALE



REGISTERED PROFESSIONAL ENGINEER BENJAMIN L. BRELJE No. 79218 Exp. 3-31-26 CIVIL STATE OF CALIFORNIA

City of Santa Rosa

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NO.	DATE	REVISION	BY

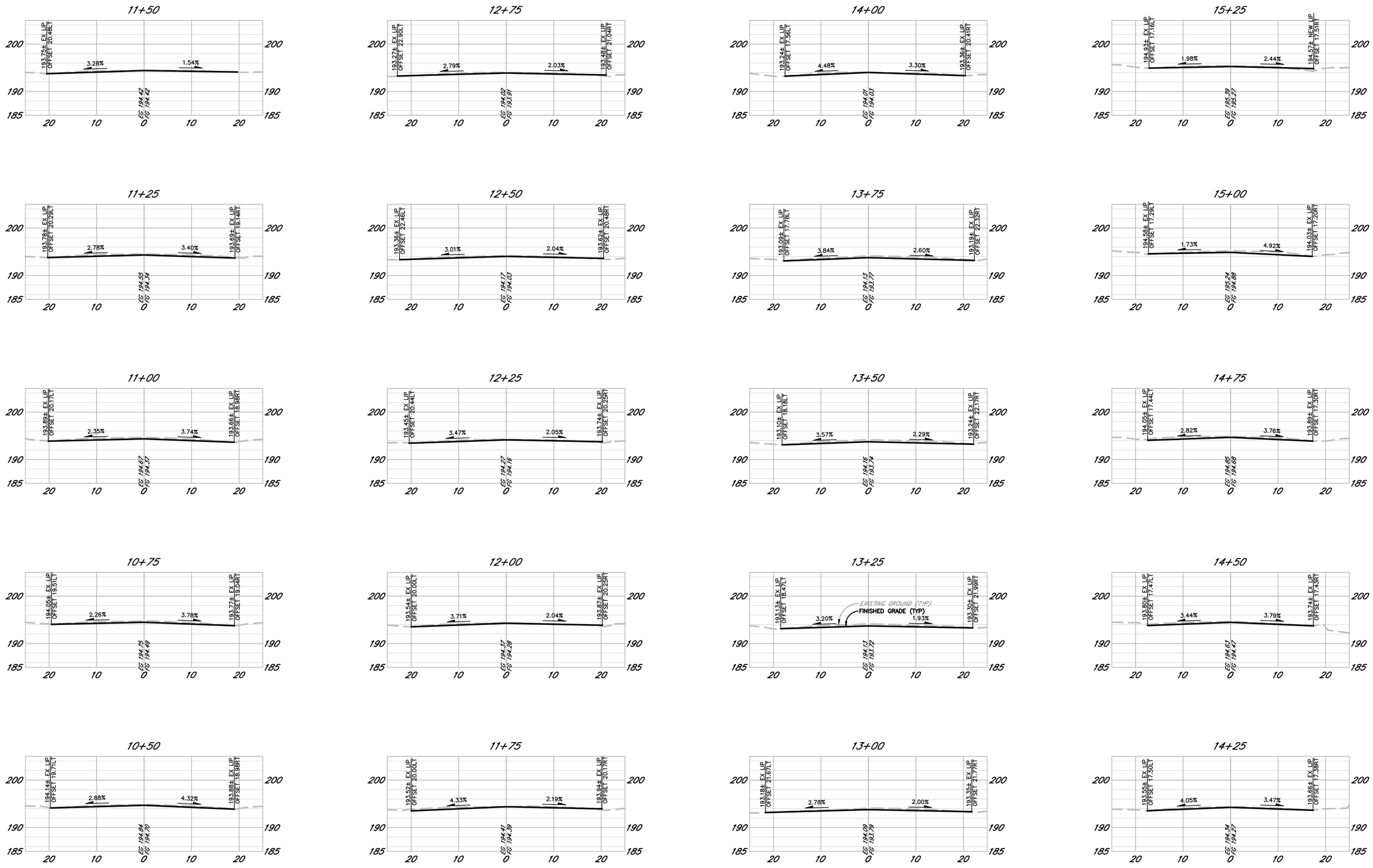
ROCK CREEK DRIVE & MATANZAS WAY WATER, SEWER & STORM DRAIN IMPROVEMENTS

MONTGOMERY HIGH SCHOOL WATER MAIN LOOP SURFACING PLAN

CHK BY:	BB
DATE:	JULY 2025
DWN BY:	PIT
SCALE:	AS SHOWN
CONTRACT NO. C02290	
SHEET 24 OF 37	
FILE NO. 2024-0019	

C 2.08

07-03-25 Patheal \4698\dwg\4698 00\4698.00 PLAN-Surfacing.dwg TAB: 24 MONTGOMERY HIGH SCHOOL WATER MAIN LOOP SURFACING PLAN



SECTIONS

SCALE: HORZ. 1" = 20'
VERT. 1" = 20'

REGISTERED PROFESSIONAL ENGINEER
BENJAMIN L. BRELJE
No. 79218
Exp. 3-31-26
CIVIL
STATE OF CALIFORNIA

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NO.	DATE	REVISION	BY

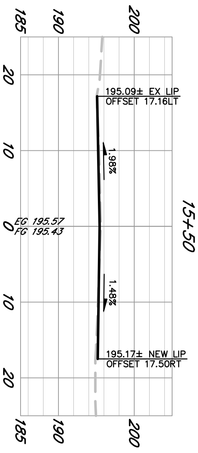
ROCK CREEK DRIVE & MATANZAS WAY
WATER, SEWER & STORM DRAIN IMPROVEMENTS

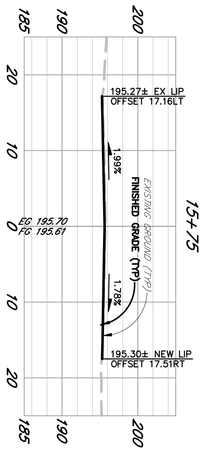
HAHMAN DRIVE CROSS SECTIONS

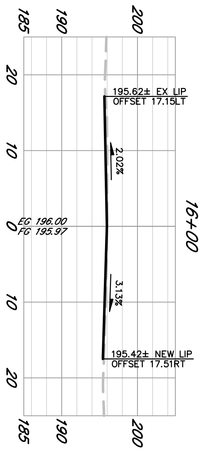
CHK BY:	BB
DATE:	JULY 2025
DWN BY:	PIT
SCALE:	AS SHOWN
CONTRACT NO. C02290	
SHEET 25 OF 37	
FILE NO. 2024-0019	

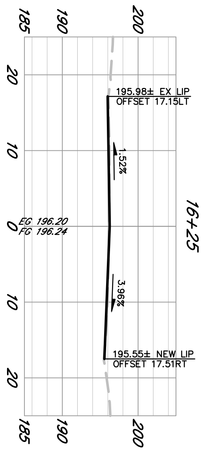
C 3.01

06-19-25 Scalabrini \4698\dwg\4698 00\4698.00 SECTIONS.dwg TAB: 25 HAHMAN DRIVE CROSS SECTIONS









SECTIONS

SCALE: HORZ. 1" = 20'
VERT. 1" = 20'

C 3.02

FILE NO. 2024-0019

SHEET 26 OF 37

CONTRACT NO. C02290

SCALE: AS SHOWN

DWN BY: PJT

DATE: JULY 2025

CHK BY: BB

ROCK CREEK DRIVE & MATANZAS WAY
WATER, SEWER & STORM DRAIN IMPROVEMENTS

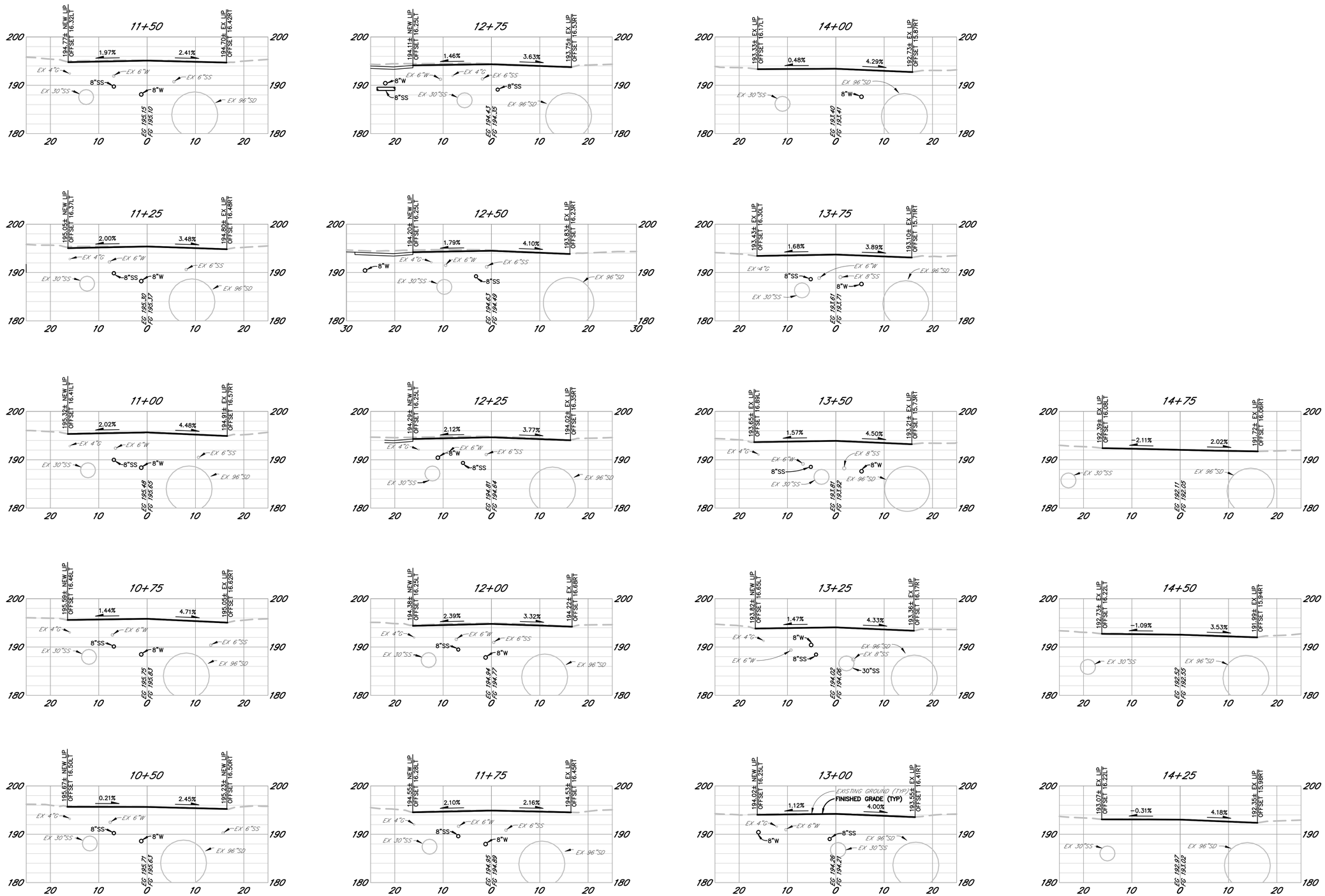
HAHMAN DRIVE
CROSS SECTIONS

NO.	DATE	REVISION	BY

City of Santa Rosa

Brelje & Race CONSULTING ENGINEERS
475 Aviation Blvd. •Suite 120 Santa Rosa, CA 95403
Phone: 707-576-1322 •www.brce.com

REGISTERED PROFESSIONAL ENGINEER BENJAMIN T. BRELJE No. 74248 CIVIL STATE OF CALIFORNIA



SECTIONS

SCALE: HORZ. 1" = 20'
VERT. 1" = 20'

REGISTERED PROFESSIONAL ENGINEER
BENJAMIN L. BRELJE
No. 79218
Exp. 3-31-26
CIVIL
STATE OF CALIFORNIA

City of Santa Rosa

Brelje & Race
CONSULTING ENGINEERS
475 Aviation Blvd., Suite 130, Santa Rosa, CA 95403
Phone: 707-576-1322 www.brelje-race.com

NO.	DATE	REVISION	BY

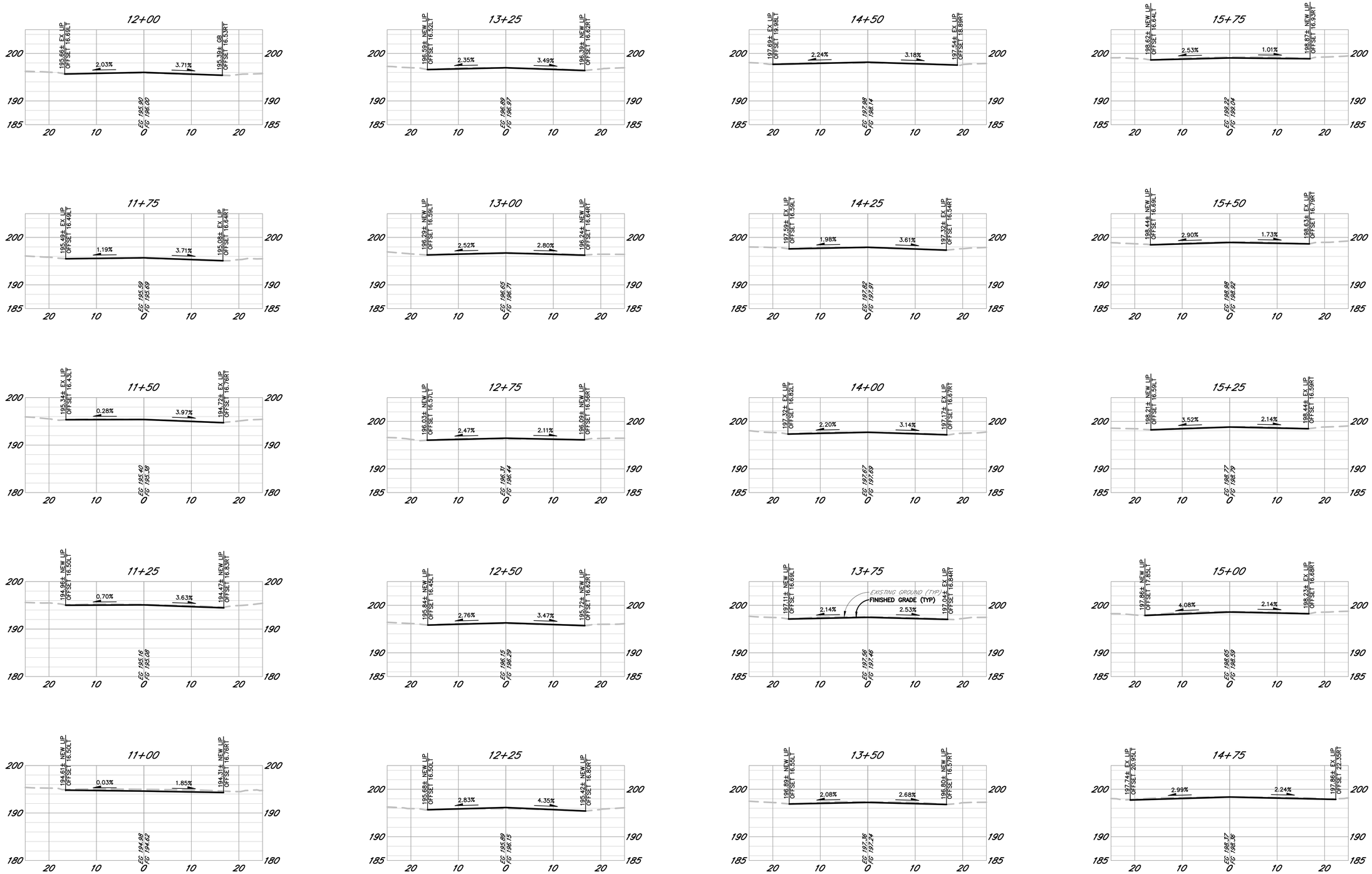
ROCK CREEK DRIVE & MATANZAS WAY
WATER, SEWER & STORM DRAIN IMPROVEMENTS

ROCK CREEK DRIVE CROSS SECTIONS

CHK BY:	BB
DATE:	JULY 2025
DWN BY:	PIT
SCALE:	AS SHOWN
CONTRACT NO. C02290	
SHEET 27 OF 37	
FILE NO. 2024-0019	

C 3.03

06-19-25 Scolabrini \4698\dwg\4698 00\4698.00 SECTIONS.dwg TAB: 27 ROCK CREEK DRIVE CROSS SECTIONS



SECTIONS

SCALE: HORZ. 1" = 20'
VERT. 1" = 20'

REGISTERED PROFESSIONAL ENGINEER
BENJAMIN L. PITT
No. 79218
Exp. 3-31-26
CIVIL
STATE OF CALIFORNIA

City of Santa Rosa

Brelje & Race
CONSULTING ENGINEERS
475 Aviation Blvd., Suite 110, Santa Rosa, CA 95403
Phone: 707-576-1322 www.brelje-race.com

NO.	DATE	REVISION	BY

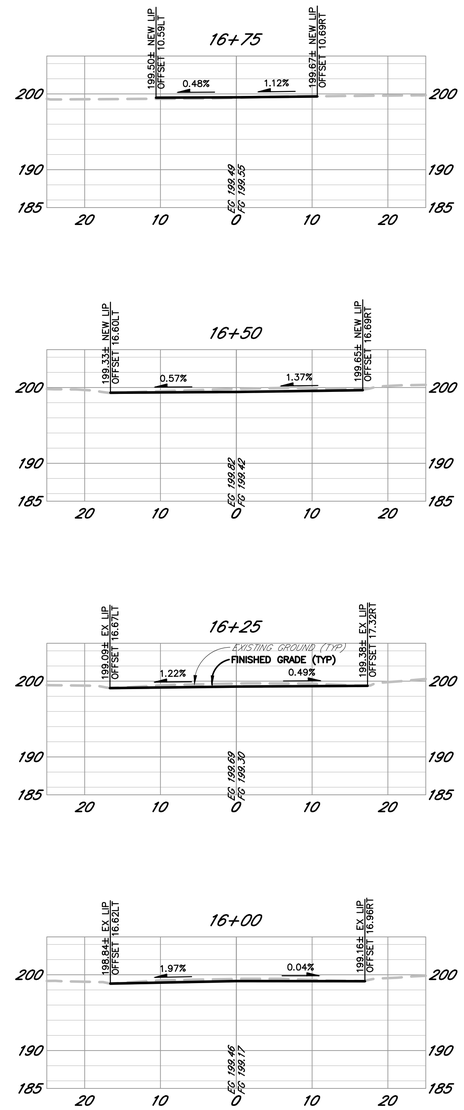
ROCK CREEK DRIVE & MATANZAS WAY
WATER, SEWER & STORM DRAIN IMPROVEMENTS

MATANZAS WAY CROSS SECTIONS

CHK BY:	BB
DATE:	JULY 2025
DWN BY:	PIT
SCALE:	AS SHOWN
CONTRACT NO. C02290	
SHEET 28 OF 37	
FILE NO. 2024-0019	

C 3.04

06-19-25 Scolabrini \4698\dwg\4698 00\4698.00 SECTIONS.dwg TAB: 28 MATANZAS WAY CROSS SECTIONS



SECTIONS

SCALE: HORZ. 1" = 20'
VERT. 1" = 20'

REGISTERED PROFESSIONAL ENGINEER
BENJAMIN L. BRELJE
No. 79218
Exp. 3-31-26
CIVIL
STATE OF CALIFORNIA

City of Santa Rosa

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Santa Rosa, CA 95403
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NO.	DATE	REVISION	BY

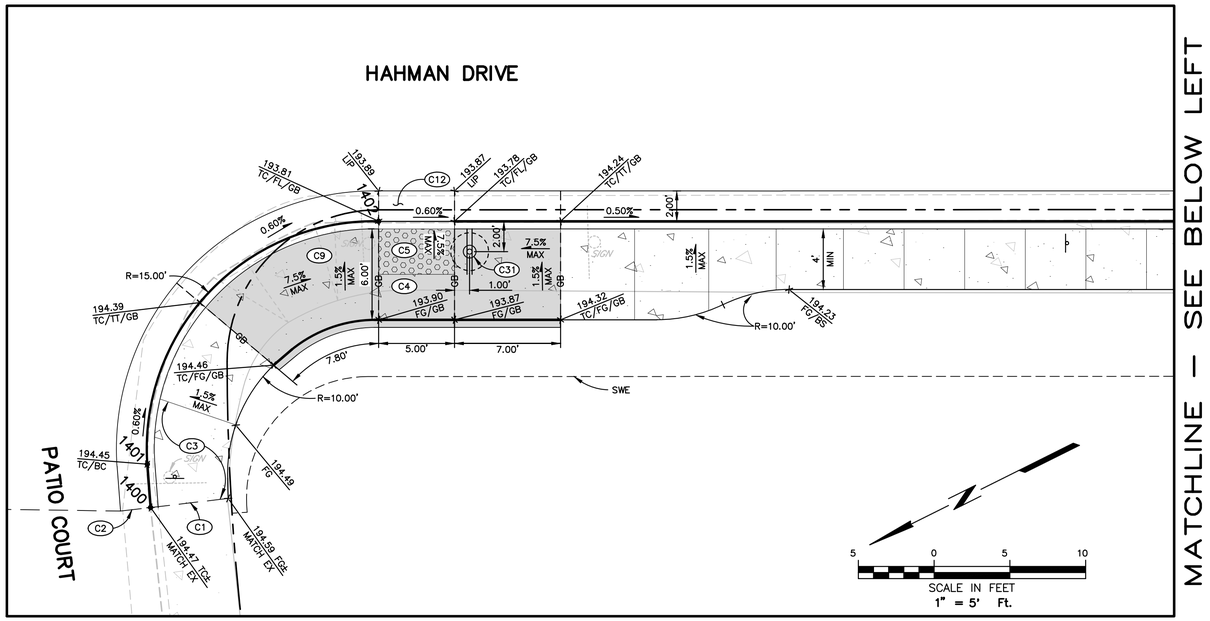
ROCK CREEK DRIVE & MATANZAS WAY
WATER, SEWER & STORM DRAIN IMPROVEMENTS

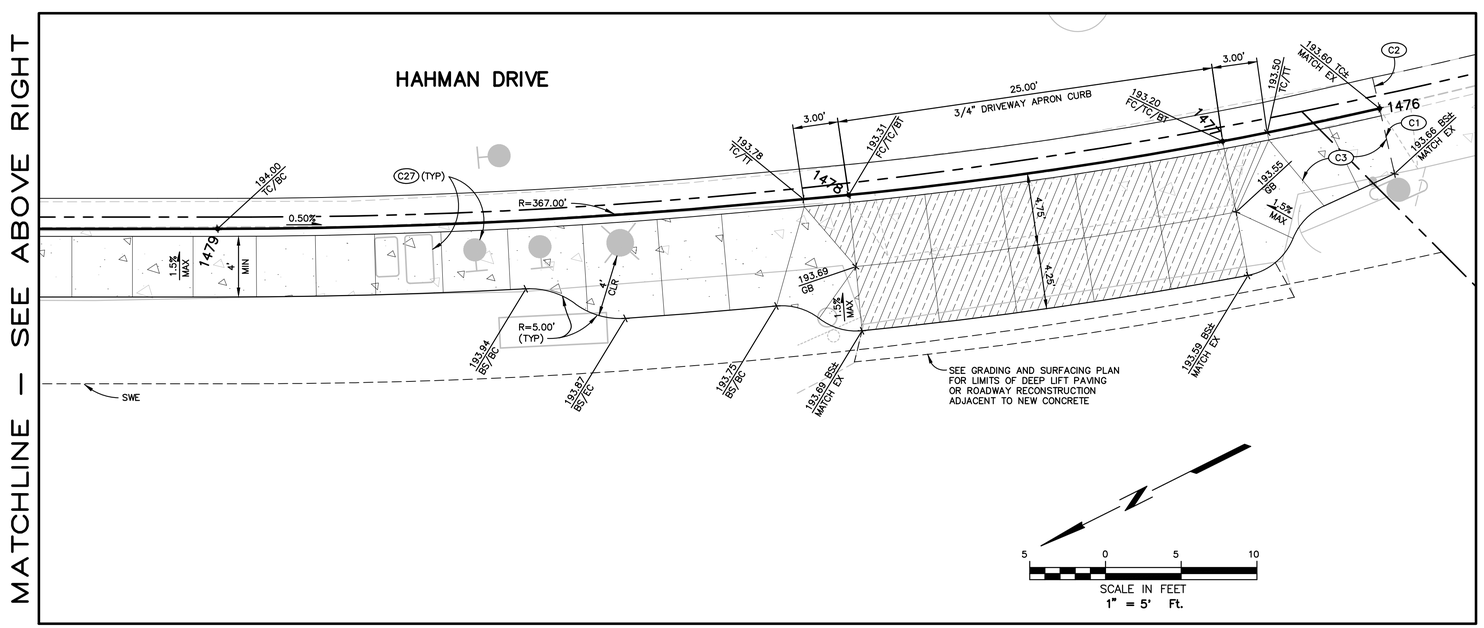
MATANZAS WAY
CROSS SECTIONS

CHK BY:	BB
DATE:	JULY 2025
DWN BY:	PIT
SCALE:	AS SHOWN
CONTRACT NO. C02290	
SHEET 29 OF 37	
FILE NO. 2024-0019	

C 3.05

06-19-25 Scalabrini \4698\dwg\4698 00\4698.00 SECTIONS.dwg TAB: 29 MATANZAS WAY CROSS SECTIONS





PATIO COURT/HAHMAN DRIVE CURB RAMP (A/18)

SCALE: 1"=5'

CONSTRUCTION NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

- (C1) SAWCUT AND CONFORM TO EXISTING.
- (C2) REMOVE AND REPLACE CURB AND GUTTER PER CITY STD 241. MATCH EXISTING GRADES AT SAWCUT LOCATIONS AND PROVIDE CONTINUOUS SLOPE IN DIRECTION OF DRAINAGE.
- (C3) REMOVE AND REPLACE 5' MINIMUM OF EXISTING SIDEWALK TO NEAREST SCORE MARK PER CITY STD 237. MATCH EXISTING GRADES AND TRANSITION FROM 1.5% MAX FINISHED GRADE CROSS SLOPE (UNLESS SHOWN OTHERWISE) TO MATCH SAWCUT CONFORM LOCATIONS.
- (C4) RAMP LANDING DRIVE TURNING AREA – MAX CROSS SLOPE <2.0% IN ANY DIRECTION OR AS INDICATED. CONFORM TO EXISTING ADJACENT RAMP BOTTOM OR ENTRY ELEVATIONS WHERE THEY OCCUR.
- (C5) INSTALL EMBEDDED DETECTABLE WARNING SURFACE. WARNING SURFACE PANELS SHALL EXTEND A MINIMUM OF 36" BEHIND THE BACK OF THE CURB AND BE ORIENTED IN THE DIRECTION OF TRAVEL.
- (C9) INSTALL 'CASE C' CURB RAMP PER CALTRANS STD PLAN RSP A88A.
- (C12) GUTTER COUNTER SLOPE IMMEDIATELY ADJACENT TO CURB RAMP SHALL NOT BE STEEPER THAN 5% MAX. INSTALL MINIMUM 3' LONG GUTTER SLOPE TRANSITION ON EACH SIDE OF CURB RAMP.
- (C27) ADJUST EXISTING UTILITY STRUCTURE TO GRADE.
- (C31) SEE NOTE R9 AND R40 ON SURFACING PLAN SHEETS 18 AND 19 FOR POLE, FOUNDATION AND SIGN DETAILS. POSITION POLE PER PLAN DIMENSIONS AND CONFIRM 4' CLEAR SIDEWALK WITH IS PROVIDED BETWEEN POLE AND BACK OF SIDEWALK.

SHEET NOTE

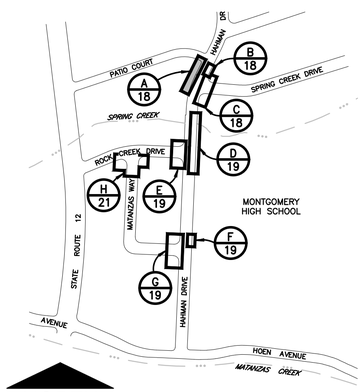
SEE GRADING AND SURFACING PLANS ON SHEETS 18 THRU 24 FOR STRIPING, PAVEMENT RESURFACING, AND REHABILITATION WORK BEYOND THE LIP OF GUTTER OR EDGE OF CONCRETE.

CURB RAMP LEGEND

- SIDEWALK
- DETECTABLE WARNING SURFACE
- CURB RAMP
- COBBLE NON-WALKABLE SURFACE
- VALLEY GUTTER
- 6" PCC DRIVEWAY AND ADJACENT SIDEWALK
- 6" PRIVATE DRIVEWAY

LAYOUT COORDINATE TABLE

NO	NORTHING	EASTING	TYPE
1400	1923571.274	6365420.408	FC CONFORM
1401	1923570.193	6365423.061	FC/BC
1402	1923549.377	6365430.592	RAMP AT FC/EC
1476	1923419.672	6365374.789	FC/CONFORM
1477	1923429.905	6365377.469	FC/BT
1478	1923453.571	6365385.316	FC/BT
1479	1923491.852	6365401.910	FC/BC



KEY MAP

NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER BENJAMIN L. BRELJE No. 79218 Exp. 3-31-26 CIVIL STATE OF CALIFORNIA

City of Santa Rosa

Brelje&Race
CONSULTING ENGINEERS
475 Aviation Blvd., Suite 130, Santa Rosa, CA 95403
Phone: 707-576-1322 www.brelje-race.com

NO.	DATE	REVISION	BY

ROCK CREEK DRIVE & MATANZAS WAY
WATER, SEWER & STORM DRAIN IMPROVEMENTS

CURB RAMP DETAILS 1

CHK BY:	BB
DATE:	JULY 2025
DWN BY:	PIT
SCALE:	AS SHOWN
CONTRACT NO. C02290	
SHEET 30 OF 37	
FILE NO. 2024-0019	

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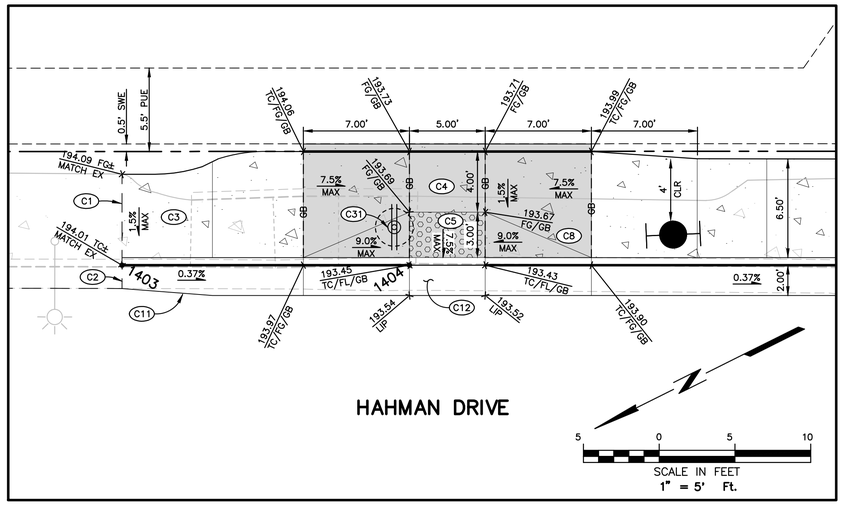
07-03-25 Patheal \4698\dwg\4698 00\4698.00 CURB RAMP DETAILS.dwg TAB: 30 CURB RAMP DETAILS 1



PATIO COURT/HAHMAN DRIVE MIDBLOCK CURB RAMP (B/18)

SCALE: 1"=5'

SHEET NOTE

SEE GRADING AND SURFACING PLANS ON SHEETS 18 THRU 24 FOR STRIPING, PAVEMENT RESURFACING, AND REHABILITATION WORK BEYOND THE LIP OF GUTTER OR EDGE OF CONCRETE.

CURB RAMP LEGEND

- SIDEWALK
- DETECTABLE WARNING SURFACE
- CURB RAMP
- COBBLE NON-WALKABLE SURFACE
- VALLEY GUTTER
- 6" PCC DRIVEWAY AND ADJACENT SIDEWALK
- 6" PRIVATE DRIVEWAY

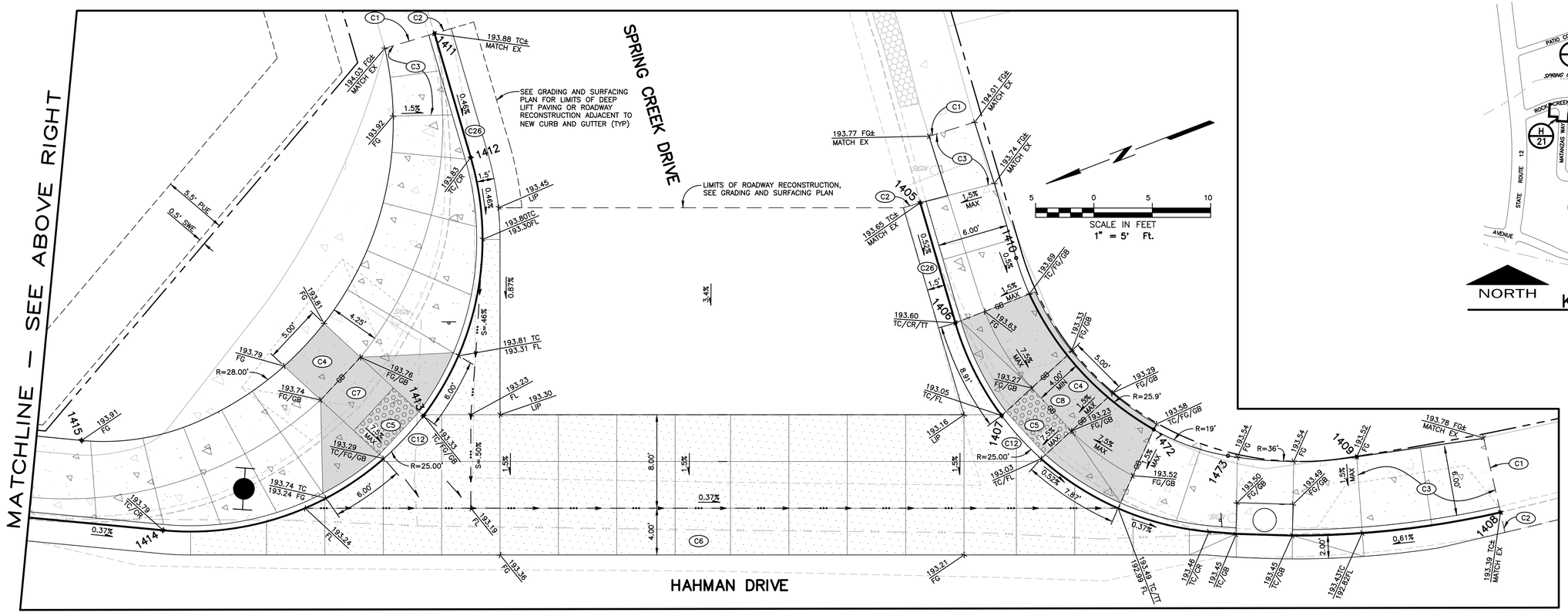
LAYOUT COORDINATE TABLE

NO	NORTHING	EASTING	TYPE
1403	1923546.612	6365478.659	FC CONFORM
1404	1923529.632	6365470.193	RAMP AT FC
1405	1923423.504	6365455.283	FC CONFORM
1406	1923424.395	6365444.607	FC/BC/CR
1407	1923423.553	6365435.781	RAMP AT FC
1408	1923386.678	6365412.673	FC CONFORM
1409	1923396.452	6365421.535	BSW/BC
1410	1923417.538	6365447.921	BSW/BC
1411	1923457.103	6365483.776	FC CONFORM
1412	1923458.021	6365472.767	FC/BC/CR
1413	1923469.761	6365453.597	RAMP AT FC
1414	1923494.090	6365452.471	FC/BC/CR
1415	1923497.837	6365462.161	BSW/BC
1472	1923411.828	6365429.987	BSW/PCC
1473	1923406.707	6365425.594	BSW/PCC

CONSTRUCTION NOTES

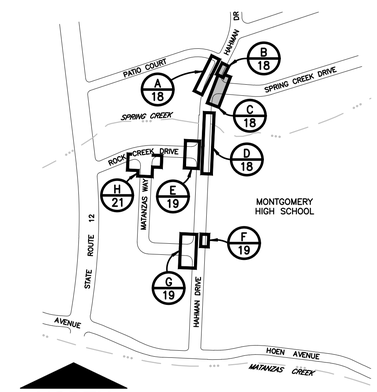
(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

- (C1) SAWCUT AND CONFORM TO EXISTING.
- (C2) REMOVE AND REPLACE CURB AND GUTTER PER CITY STD 241. MATCH EXISTING GRADES AT SAWCUT LOCATIONS AND PROVIDE CONTINUOUS SLOPE IN DIRECTION OF DRAINAGE.
- (C3) REMOVE AND REPLACE 5' MINIMUM OF EXISTING SIDEWALK TO NEAREST SCORE MARK PER CITY STD 237. MATCH EXISTING GRADES AND TRANSITION FROM 1.5% MAX FINISHED GRADE CROSS SLOPE (UNLESS SHOWN OTHERWISE) TO MATCH SAWCUT CONFORM LOCATIONS.
- (C4) RAMP LANDING DRIVE TURNING AREA – MAX CROSS SLOPE <2.0% IN ANY DIRECTION OR AS INDICATED. CONFORM TO EXISTING ADJACENT RAMP BOTTOM OR ENTRY ELEVATIONS WHERE THEY OCCUR.
- (C5) INSTALL EMBEDDED DETECTABLE WARNING SURFACE. WARNING SURFACE PANELS SHALL EXTEND A MINIMUM OF 36" BEHIND THE BACK OF THE CURB AND BE ORIENTED IN THE DIRECTION OF TRAVEL.
- (C6) REMOVE AND REPLACE EXISTING CONCRETE VALLEY GUTTER SIMILAR TO CITY STD 243.
- (C7) INSTALL CASE "A" CURB RAMP PER CALTRANS STANDARD PLAN RSP A88A.
- (C8) INSTALL 'CASE B' CURB RAMP PER CALTRANS STD PLAN RSP A88A.
- (C11) INSTALL MINIMUM 6' LONG GUTTER WIDTH TRANSITION FROM EXISTING TO CITY STD 241.
- (C12) GUTTER COUNTER SLOPE IMMEDIATELY ADJACENT TO CURB RAMP SHALL NOT BE STEEPER THAN 5% MAX. INSTALL MINIMUM 3' LONG GUTTER SLOPE TRANSITION ON EACH SIDE OF CURB RAMP.
- (C26) INSTALL 18" CURB AND GUTTER PER DETAIL SHEET 35.
- (C31) SEE NOTE R9 AND R40 ON SURFACING PLAN SHEETS 18 AND 19 FOR POLE, FOUNDATION AND SIGN DETAILS. POSITION POLE PER PLAN DIMENSIONS AND CONFIRM 4' CLEAR SIDEWALK WITH IS PROVIDED BETWEEN POLE AND BACK OF SIDEWALK.



SPRING CREEK/HAHMAN DRIVE CURB RAMPS (C/18)

SCALE: 1"=5'



KEY MAP

NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER BENJAMIN L. BRELJE No. 79218 Exp. 3-31-26 CIVIL STATE OF CALIFORNIA

City of Santa Rosa
Brelje & Race
CONSULTING ENGINEERS
475 Aviation Blvd., Suite 130, Santa Rosa, CA 95403
Phone: 707-576-1322 www.brelje-race.com

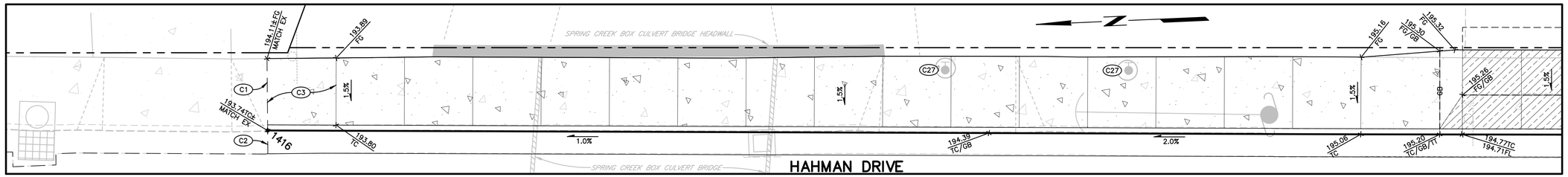
NO.	DATE	REVISION	BY

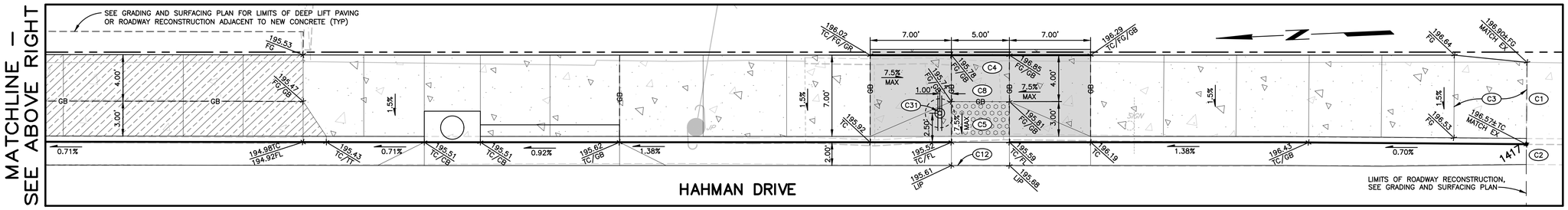
ROCK CREEK DRIVE & MATANZAS WAY WATER, SEWER & STORM DRAIN IMPROVEMENTS

CURB RAMP DETAILS 2

CHK BY:	BB
DATE:	JULY 2025
DWN BY:	PIT
SCALE:	AS SHOWN
CONTRACT NO. C02290	
SHEET 31 OF 37	
FILE NO. 2024-0019	

C 4.02

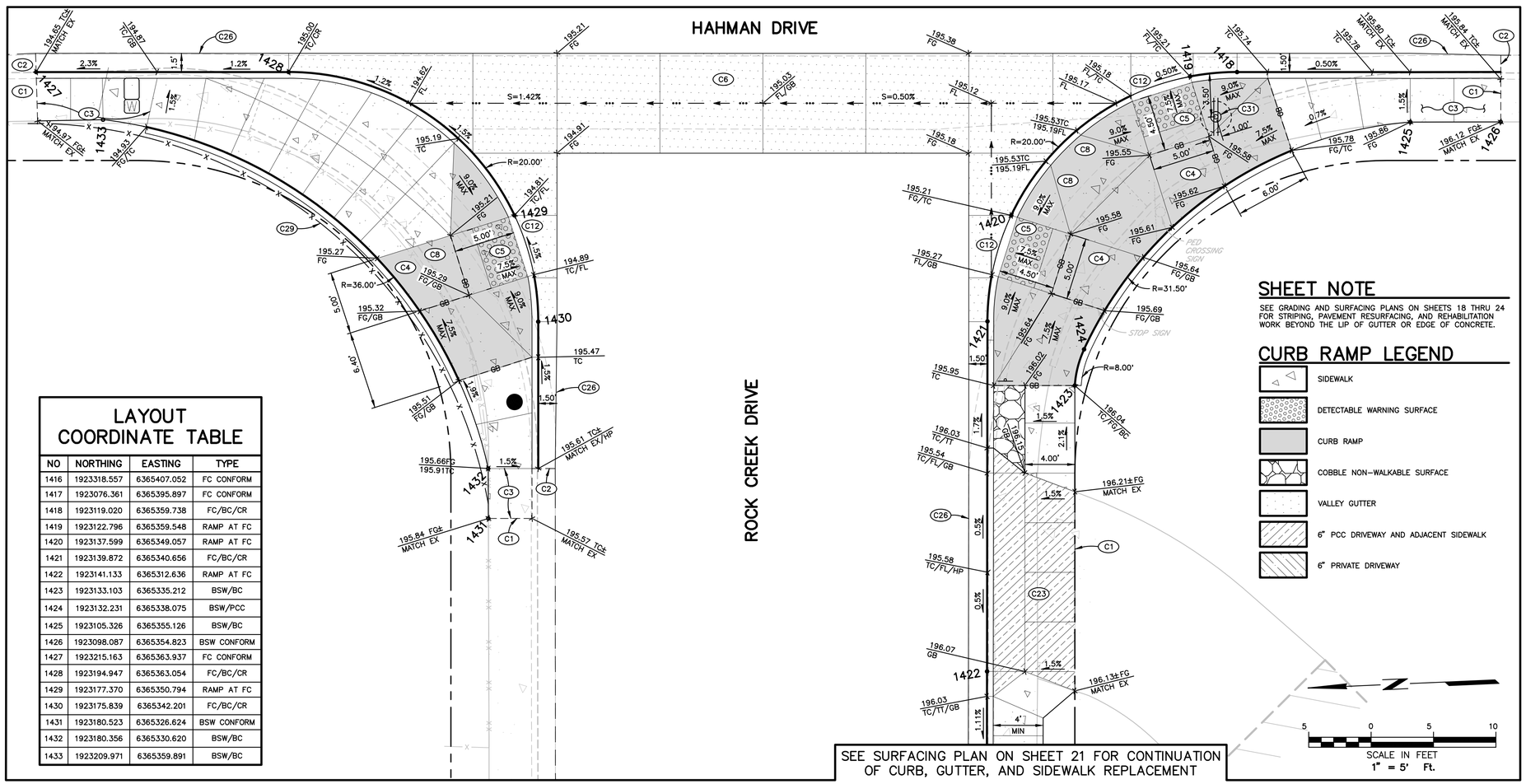




HAHMAN DRIVE SIDEWALK, DRIVEWAY CUT AND MIDBLOCK CURB RAMP

D 19

SCALE: 1"=5'



ROCK CREEK DRIVE/HAHMAN DRIVE CURB RAMPS

E 19

SCALE: 1"=5'

LAYOUT COORDINATE TABLE

NO	NORTHING	EASTING	TYPE
1416	1923318.557	6365407.052	FC CONFORM
1417	1923076.361	6365395.897	FC CONFORM
1418	1923119.020	6365359.738	FC/BC/CR
1419	1923122.796	6365359.548	RAMP AT FC
1420	1923137.599	6365349.057	RAMP AT FC
1421	1923139.872	6365340.656	FC/BC/CR
1422	1923141.133	6365312.636	RAMP AT FC
1423	1923133.103	6365335.212	BSW/BC
1424	1923132.231	6365338.075	BSW/PCC
1425	1923105.326	6365355.126	BSW/BC
1426	1923098.087	6365354.823	BSW CONFORM
1427	1923215.163	6365363.937	FC CONFORM
1428	1923194.947	6365363.054	FC/BC/CR
1429	1923177.370	6365350.794	RAMP AT FC
1430	1923175.839	6365342.201	FC/BC/CR
1431	1923180.523	6365326.624	BSW CONFORM
1432	1923180.356	6365330.620	BSW/BC
1433	1923209.971	6365359.891	BSW/BC

SHEET NOTE

SEE GRADING AND SURFACING PLANS ON SHEETS 18 THRU 24 FOR STRIPING, PAVEMENT RESURFACING, AND REHABILITATION WORK BEYOND THE LIP OF GUTTER OR EDGE OF CONCRETE.

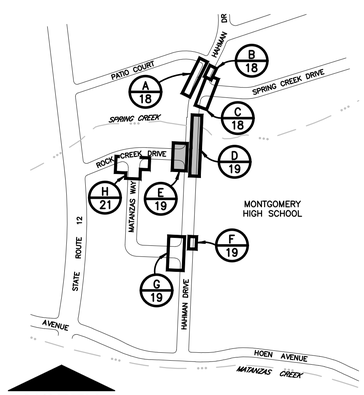
CURB RAMP LEGEND

- SIDEWALK
- DETECTABLE WARNING SURFACE
- CURB RAMP
- COBBLE NON-WALKABLE SURFACE
- VALLEY GUTTER
- 6" PCC DRIVEWAY AND ADJACENT SIDEWALK
- 6" PRIVATE DRIVEWAY

CONSTRUCTION NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

- C1 SAWCUT AND CONFORM TO EXISTING.
- C2 REMOVE AND REPLACE CURB AND GUTTER PER CITY STD 241. MATCH EXISTING GRADES AT SAWCUT LOCATIONS AND PROVIDE CONTINUOUS SLOPE IN DIRECTION OF DRAINAGE.
- C3 REMOVE AND REPLACE 5' MINIMUM OF EXISTING SIDEWALK TO NEAREST SCORE MARK PER CITY STD 237. MATCH EXISTING GRADES AND TRANSITION FROM 1.5% MAX FINISHED GRADE CROSS SLOPE (UNLESS SHOWN OTHERWISE) TO MATCH SAWCUT CONFORM LOCATIONS.
- C4 RAMP LANDING DRIVE TURNING AREA – MAX CROSS SLOPE <2.0% IN ANY DIRECTION OR AS INDICATED. CONFORM TO EXISTING ADJACENT RAMP BOTTOM OR ENTRY ELEVATIONS WHERE THEY OCCUR.
- C5 INSTALL EMBEDDED DETECTABLE WARNING SURFACE. WARNING SURFACE PANELS SHALL EXTEND A MINIMUM OF 36" BEHIND THE BACK OF THE CURB AND BE ORIENTED IN THE DIRECTION OF TRAVEL.
- C6 REMOVE AND REPLACE EXISTING CONCRETE VALLEY GUTTER SIMILAR TO CITY STD 243.
- C8 INSTALL 'CASE B' CURB RAMP PER CALTRANS STD PLAN RSP A88A.
- C12 GUTTER COUNTER SLOPE IMMEDIATELY ADJACENT TO CURB RAMP SHALL NOT BE STEEPER THAN 5% MAX. INSTALL MINIMUM 3' LONG GUTTER SLOPE TRANSITION ON EACH SIDE OF CURB RAMP.
- C23 CONSTRUCT 6" PCC DRIVEWAY APRON AND ADJACENT SIDEWALK PER CITY STD 250A, 250B, 251 AND 237.
- C26 INSTALL 18" CURB AND GUTTER PER DETAIL SHEET 35.
- C27 ADJUST EXISTING UTILITY STRUCTURE TO GRADE.
- C29 REMOVE AND REPLACE EXISTING PICKET FENCE IN KIND.
- C30 CONSTRUCT 3" RETAINING CURB PER DETAIL SHEET 35.
- C31 SEE NOTE R9 AND R40 ON SURFACING PLAN SHEETS 18 AND 19 FOR POLE, FOUNDATION AND SIGN DETAILS. POSITION POLE PER PLAN DIMENSIONS AND CONFIRM 4' CLEAR SIDEWALK WITH IS PROVIDED BETWEEN POLE AND BACK OF SIDEWALK.



KEY MAP

NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER BENJAMIN L. BRELJE No. 79218 Exp. 3-31-26 CIVIL STATE OF CALIFORNIA

City of Santa Rosa

Brelje&Race CONSULTING ENGINEERS
475 Aviation Blvd., Suite 220, Santa Rosa, CA 95403
Phone: 707-576-1322 www.brelje-race.com

NO.	DATE	REVISION	BY

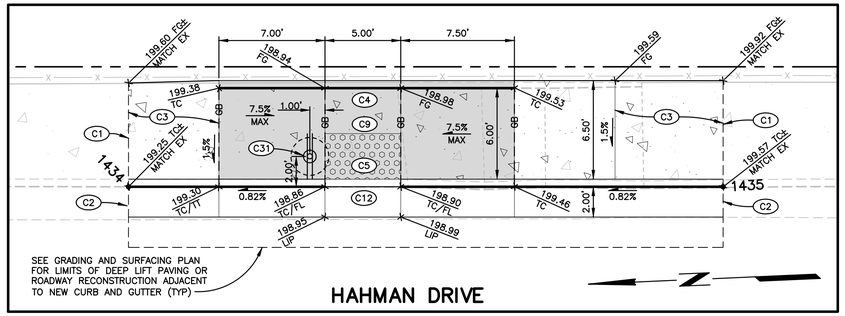
ROCK CREEK DRIVE & MATANZAS WAY WATER, SEWER & STORM DRAIN IMPROVEMENTS

CURB RAMP DETAILS 3

CHK BY:	BB
DATE:	JULY 2025
DWN BY:	PIT
SCALE:	AS SHOWN
CONTRACT NO.	C02290
SHEET	32 OF 37
FILE NO.	2024-0019

C 4.03

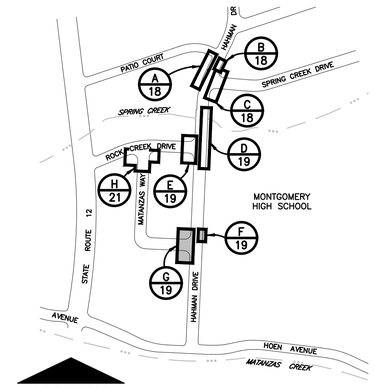
07-03-25 Patheal \4698\dwg\4698 00\4698.00 CURB RAMP DETAILS.dwg TAB: 32 CURB RAMP DETAILS 3



MATANZAS WAY/HAHMAN DRIVE MIDBLOCK CURB RAMP

F 19

SCALE: 1"=5'



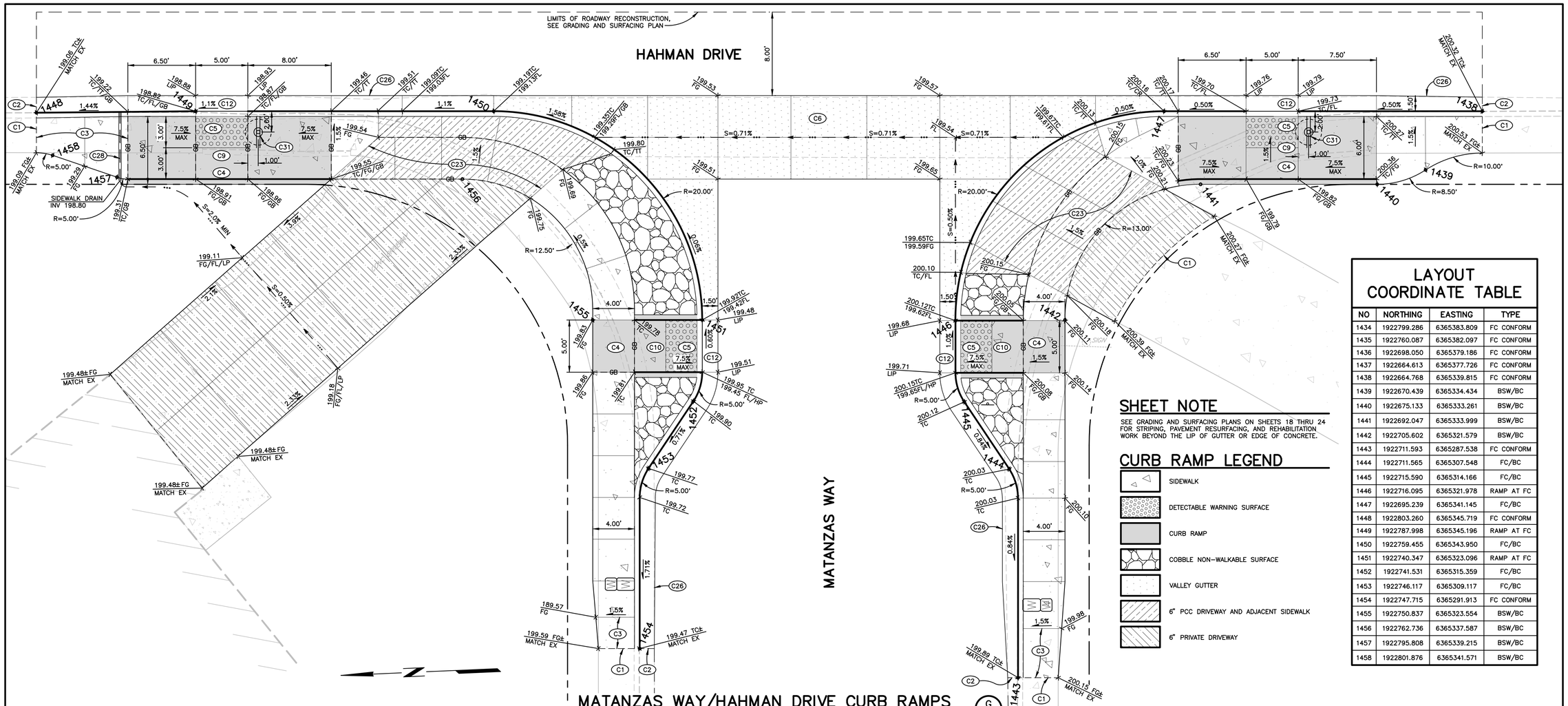
KEY MAP

NOT TO SCALE

CONSTRUCTION NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

- C1 SAWCUT AND CONFORM TO EXISTING.
- C2 REMOVE AND REPLACE CURB AND GUTTER PER CITY STD 241. MATCH EXISTING GRADES AT SAWCUT LOCATIONS AND PROVIDE CONTINUOUS SLOPE IN DIRECTION OF DRAINAGE.
- C3 REMOVE AND REPLACE 5' MINIMUM OF EXISTING SIDEWALK TO NEAREST SCORE MARK PER CITY STD 237. MATCH EXISTING GRADES AND TRANSITION FROM 1.5% MAX FINISHED GRADE CROSS SLOPE (UNLESS SHOWN OTHERWISE) TO MATCH SAWCUT CONFORM LOCATIONS.
- C4 RAMP LANDING DRIVE TURNING AREA – MAX CROSS SLOPE <2.0% IN ANY DIRECTION OR AS INDICATED. CONFORM TO EXISTING ADJACENT RAMP BOTTOM OR ENTRY ELEVATIONS WHERE THEY OCCUR.
- C5 INSTALL EMBEDDED DETECTABLE WARNING SURFACE. WARNING SURFACE PANELS SHALL EXTEND A MINIMUM OF 36" BEHIND THE BACK OF THE CURB AND BE ORIENTED IN THE DIRECTION OF TRAVEL.
- C6 REMOVE AND REPLACE EXISTING CONCRETE VALLEY GUTTER SIMILAR TO CITY STD 243.
- C9 INSTALL 'CASE C' CURB RAMP PER CALTRANS STD PLAN RSP A88A.
- C10 INSTALL 'CASE F' CURB RAMP PER CALTRANS STD PLAN RSP A88A.
- C12 GUTTER COUNTER SLOPE IMMEDIATELY ADJACENT TO CURB RAMP SHALL NOT BE STEEPER THAN 5% MAX. INSTALL MINIMUM 3' LONG GUTTER SLOPE TRANSITION ON EACH SIDE OF CURB RAMP.
- C23 CONSTRUCT 6" PCC DRIVEWAY APRON AND ADJACENT SIDEWALK PER CITY STD 250A, 250B, 251 AND 237.
- C26 INSTALL 18" CURB AND GUTTER PER DETAIL SHEET 35.
- C28 INSTALL 3" SIDEWALK DRAIN PER CITY STD 406A.
- C31 SEE NOTE R9 AND R40 ON SURFACING PLAN SHEETS 18 AND 19 FOR POLE, FOUNDATION AND SIGN DETAILS. POSITION POLE PER PLAN DIMENSIONS AND CONFIRM 4' CLEAR SIDEWALK WITH IS PROVIDED BETWEEN POLE AND BACK OF SIDEWALK.



LAYOUT COORDINATE TABLE

NO	NORTHING	EASTING	TYPE
1434	1922799.286	6365383.809	FC CONFORM
1435	1922760.087	6365382.097	FC CONFORM
1436	1922698.050	6365379.186	FC CONFORM
1437	1922664.613	6365377.726	FC CONFORM
1438	1922664.768	6365339.815	FC CONFORM
1439	1922670.439	6365334.434	BSW/BC
1440	1922675.133	6365333.261	BSW/BC
1441	1922692.047	6365333.999	BSW/BC
1442	1922705.602	6365321.579	BSW/BC
1443	1922711.593	6365287.538	FC CONFORM
1444	1922711.565	6365307.548	FC/BC
1445	1922715.590	6365314.166	FC/BC
1446	1922716.095	6365321.978	RAMP AT FC
1447	1922695.239	6365341.145	FC/BC
1448	1922803.260	6365345.719	FC CONFORM
1449	1922787.998	6365345.196	RAMP AT FC
1450	1922759.455	6365343.950	FC/BC
1451	1922740.347	6365323.096	RAMP AT FC
1452	1922741.531	6365315.359	FC/BC
1453	1922746.117	6365309.117	FC/BC
1454	1922747.715	6365291.913	FC CONFORM
1455	1922750.837	6365323.554	BSW/BC
1456	1922762.736	6365337.587	BSW/BC
1457	1922795.808	6365339.215	BSW/BC
1458	1922801.876	6365341.571	BSW/BC

MATANZAS WAY/HAHMAN DRIVE CURB RAMPS

G 19

SCALE: 1"=5'

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NO.	DATE	REVISION	BY

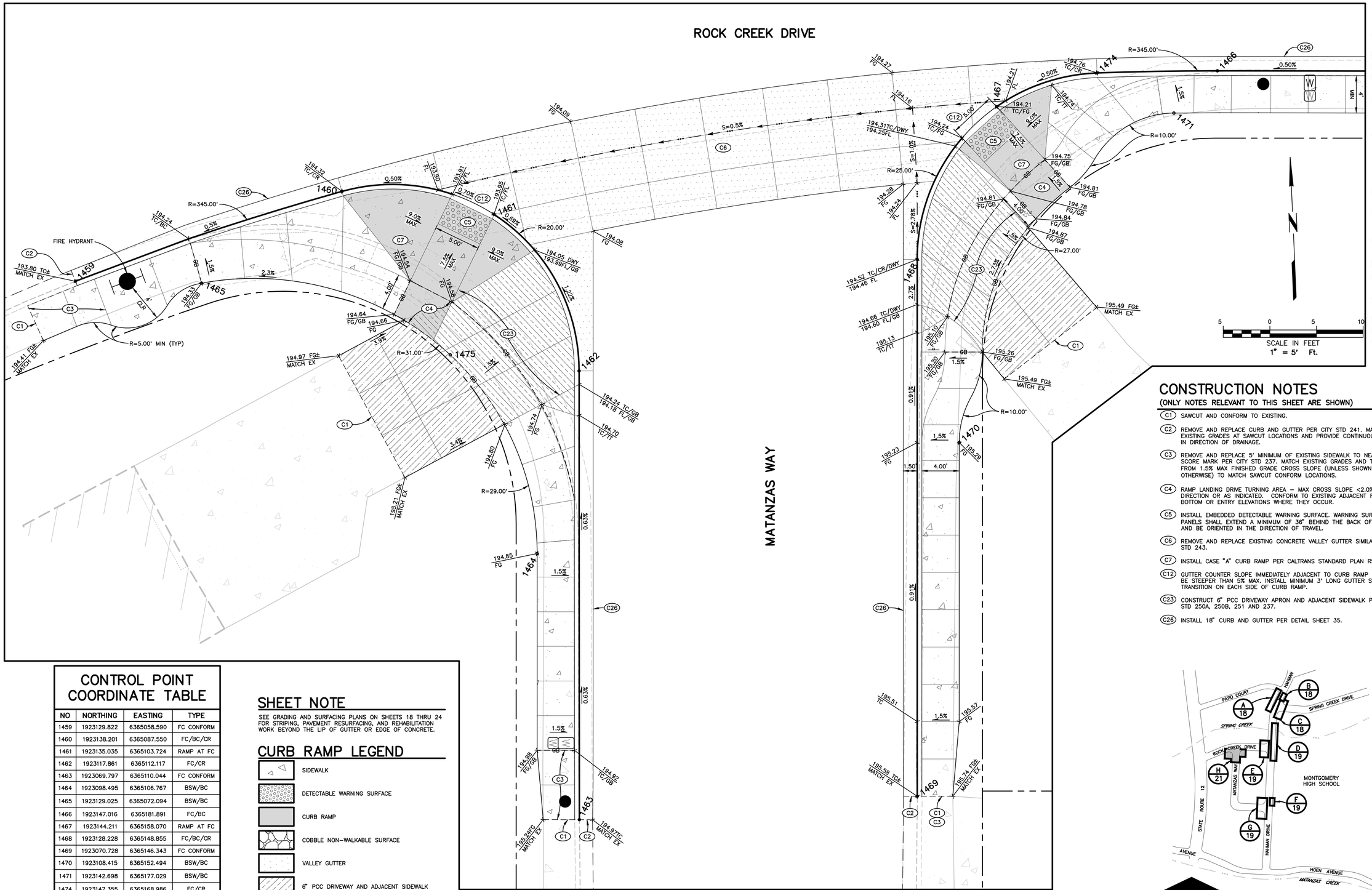
ROCK CREEK DRIVE & MATANZAS WAY
WATER, SEWER & STORM DRAIN IMPROVEMENTS

CURB RAMP DETAILS 4

CHK BY:	BB
DATE:	JULY 2025
DWN BY:	PIT
SCALE:	AS SHOWN
CONTRACT NO. C02290	
SHEET 33 OF 37	
FILE NO. 2024-0019	

C 4.04

07-03-25 Patheal \4698\dwg\4698 00\4698.00 CURB RAMP DETAILS.dwg TAB: 33 CURB RAMP DETAILS 4



SEE SURFACING PLAN ON SHEET 21 FOR CONTINUATION OF CURB, GUTTER, AND SIDEWALK REPLACEMENT

CONSTRUCTION NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

- C1 SAWCUT AND CONFORM TO EXISTING.
- C2 REMOVE AND REPLACE CURB AND GUTTER PER CITY STD 241. MATCH EXISTING GRADES AT SAWCUT LOCATIONS AND PROVIDE CONTINUOUS SLOPE IN DIRECTION OF DRAINAGE.
- C3 REMOVE AND REPLACE 5' MINIMUM OF EXISTING SIDEWALK TO NEAREST SCORE MARK PER CITY STD 237. MATCH EXISTING GRADES AND TRANSITION FROM 1.5% MAX FINISHED GRADE CROSS SLOPE (UNLESS SHOWN OTHERWISE) TO MATCH SAWCUT CONFORM LOCATIONS.
- C4 RAMP LANDING DRIVE TURNING AREA – MAX CROSS SLOPE <2.0% IN ANY DIRECTION OR AS INDICATED. CONFORM TO EXISTING ADJACENT RAMP BOTTOM OR ENTRY ELEVATIONS WHERE THEY OCCUR.
- C5 INSTALL EMBEDDED DETECTABLE WARNING SURFACE. WARNING SURFACE PANELS SHALL EXTEND A MINIMUM OF 36" BEHIND THE BACK OF THE CURB AND BE ORIENTED IN THE DIRECTION OF TRAVEL.
- C6 REMOVE AND REPLACE EXISTING CONCRETE VALLEY GUTTER SIMILAR TO CITY STD 243.
- C7 INSTALL CASE "A" CURB RAMP PER CALTRANS STANDARD PLAN RSP A88A.
- C12 GUTTER COUNTER SLOPE IMMEDIATELY ADJACENT TO CURB RAMP SHALL NOT BE STEEPER THAN 5% MAX. INSTALL MINIMUM 3' LONG GUTTER SLOPE TRANSITION ON EACH SIDE OF CURB RAMP.
- C23 CONSTRUCT 6" PCC DRIVEWAY APRON AND ADJACENT SIDEWALK PER CITY STD 250A, 250B, 251 AND 237.
- C26 INSTALL 18" CURB AND GUTTER PER DETAIL SHEET 35.

CONTROL POINT COORDINATE TABLE

NO	NORTHING	EASTING	TYPE
1459	1923129.822	6365058.590	FC CONFORM
1460	1923138.201	6365087.550	FC/BC/CR
1461	1923135.035	6365103.724	RAMP AT FC
1462	1923117.861	6365112.117	FC/CR
1463	1923069.797	6365110.044	FC CONFORM
1464	1923098.495	6365106.767	BSW/BC
1465	1923129.025	6365072.094	BSW/BC
1466	1923147.016	6365181.891	FC/BC
1467	1923144.211	6365158.070	RAMP AT FC
1468	1923128.228	6365148.855	FC/BC/CR
1469	1923070.728	6365146.343	FC CONFORM
1470	1923108.415	6365152.494	BSW/BC
1471	1923142.698	6365177.029	BSW/BC
1474	1923147.355	6365168.986	FC/CR
1475	1923120.182	6365098.385	BSW/PCC

SHEET NOTE

SEE GRADING AND SURFACING PLANS ON SHEETS 18 THRU 24 FOR STRIPING, PAVEMENT RESURFACING, AND REHABILITATION WORK BEYOND THE LIP OF GUTTER OR EDGE OF CONCRETE.

CURB RAMP LEGEND

- SIDEWALK
- DETECTABLE WARNING SURFACE
- CURB RAMP
- COBBLE NON-WALKABLE SURFACE
- VALLEY GUTTER
- 6" PCC DRIVEWAY AND ADJACENT SIDEWALK
- 6" PRIVATE DRIVEWAY

ROCK CREEK DRIVE/MATANZAS WAY CURB RAMPS

SCALE: 1"=5'

H 21

NORTH

KEY MAP

NOT TO SCALE

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NO.	DATE	REVISION	BY

ROCK CREEK DRIVE & MATANZAS WAY
WATER, SEWER & STORM DRAIN IMPROVEMENTS

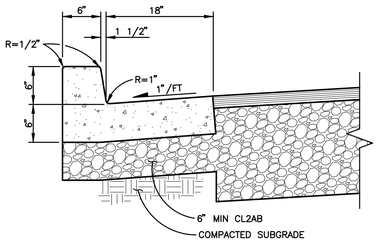
CURB RAMP DETAILS 5

CHK BY:	BB
DATE:	JULY 2025
DWN BY:	PIT
SCALE:	AS SHOWN
CONTRACT NO. C02290	
SHEET 34 OF 37	
FILE NO. 2024-0019	

C 4.05

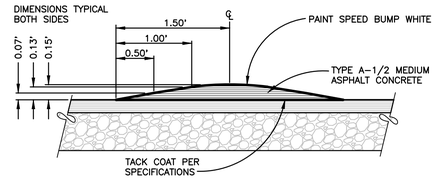
TAB: 34 CURB RAMP DETAILS 5

07-03-25 Patheal \4698\dwg\4698 00\4698.00 CURB RAMP DETAILS.dwg



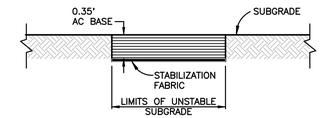
18" CURB AND GUTTER

NOT TO SCALE



SPEED BUMP

NOT TO SCALE

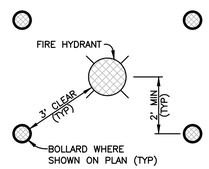


NOTES

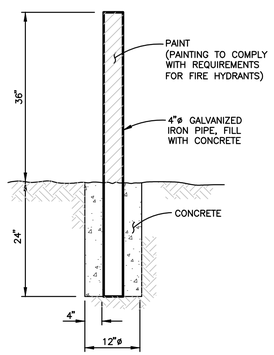
1. SUBGRADE STABILIZATION/DIGOUTS ARE NOT SHOWN ON THE PLAN SHEETS. EXACT LOCATIONS SHALL BE MARKED IN THE FIELD BY THE ENGINEER.
2. SUBGRADE STABILIZATION/DIGOUTS SHALL BE PERFORMED AFTER ROADWAY EXCAVATION OR PAVEMENT MILLING IS COMPLETE AND PRIOR TO PLACING AC BASE AND STABILIZATION FABRIC.

SUBGRADE STABILIZATION/DIGOUT

NOT TO SCALE



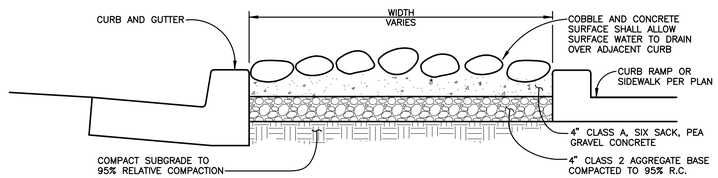
PLAN



SECTION

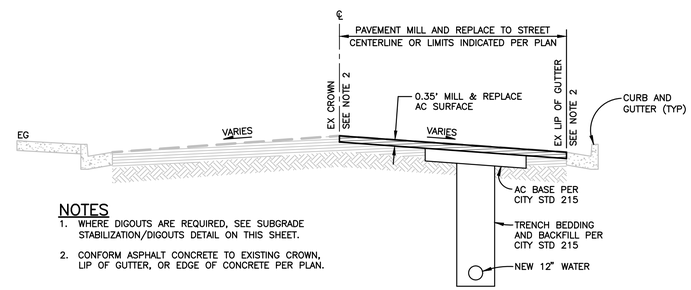
FIXED BOLLARD

NOT TO SCALE



COBBLE NON-WALKABLE SURFACE

NOT TO SCALE



NOTES

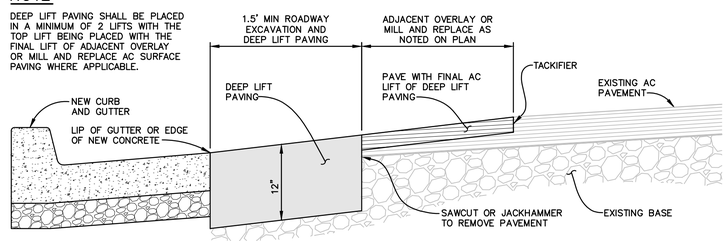
1. WHERE DIGOUTS ARE REQUIRED, SEE SUBGRADE STABILIZATION/DIGOUTS DETAIL ON THIS SHEET.
2. CONFORM ASPHALT CONCRETE TO EXISTING CROWN, LIP OF GUTTER, OR EDGE OF CONCRETE PER PLAN.

HOEN AVENUE MODIFIED TRENCH PAVING TYPICAL SECTION

NOT TO SCALE

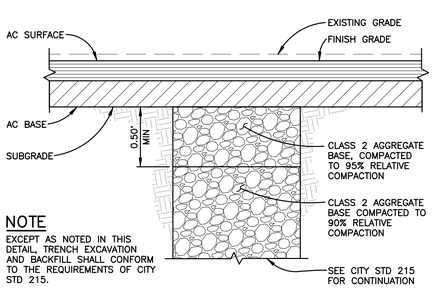
NOTE

DEEP LIFT PAVING SHALL BE PLACED IN A MINIMUM OF 2 LIFTS WITH THE TOP LIFT BEING PLACED WITH THE FINAL LIFT OF ADJACENT OVERLAY OR MILL AND REPLACE AC SURFACE PAVING WHERE APPLICABLE.



DEEP LIFT PAVING TYPICAL SECTION

NOT TO SCALE

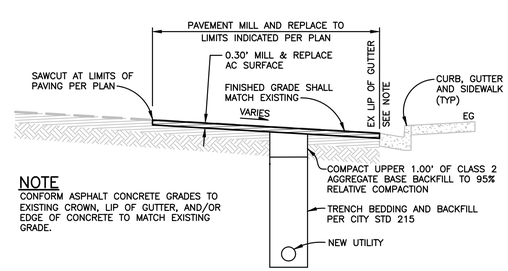


NOTE

EXCEPT AS NOTED IN THIS DETAIL, TRENCH EXCAVATION AND BACKFILL SHALL CONFORM TO THE REQUIREMENTS OF CITY STD 215.

UTILITY TRENCH BACKFILL IN ROADWAY RECONSTRUCTION AREA

NOT TO SCALE

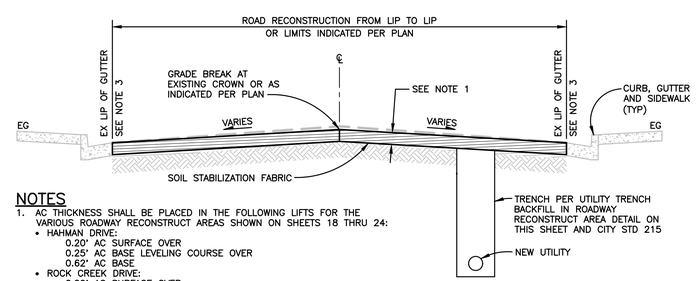


NOTE

CONFORM ASPHALT CONCRETE GRADES TO EXISTING CROWN, LIP OF GUTTER, AND/OR EDGE OF CONCRETE TO MATCH EXISTING GRADE.

MONTGOMERY HIGH SCHOOL ROAD RESURFACING TYPICAL SECTION

NOT TO SCALE



NOTES

1. AC THICKNESS SHALL BE PLACED IN THE FOLLOWING LIFTS FOR THE VARIOUS ROADWAY RECONSTRUCT AREAS SHOWN ON SHEETS 18 THRU 24:
   - HAHMAN DRIVE:
     0.20' AC SURFACE OVER
     0.25' AC BASE LEVELING COURSE OVER
     0.62' AC BASE
   - ROCK CREEK DRIVE:
     0.20' AC SURFACE OVER
     0.20' AC BASE LEVELING COURSE OVER
     0.30' AC BASE
   - MATANZAS WAY & SPRING CREEK DRIVE:
     0.20' AC SURFACE OVER
     0.35' AC BASE
2. WHERE DIGOUTS ARE REQUIRED, SEE SUBGRADE STABILIZATION/DIGOUTS DETAIL ON THIS SHEET.
3. CONFORM ASPHALT CONCRETE TO EXISTING CROWN, LIP OF GUTTER, AND/OR EDGE OF CONCRETE PER PLAN.

ROAD RECONSTRUCT TYPICAL SECTION

NOT TO SCALE

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NO.	DATE	REVISION	BY

ROCK CREEK DRIVE & MATANZAS WAY
WATER, SEWER & STORM DRAIN IMPROVEMENTS

TYPICAL DETAILS

CHK BY:	BB
DATE:	JULY 2025
DWN BY:	PIT
SCALE:	AS SHOWN
CONTRACT NO. C02290	
SHEET 35 OF 37	
FILE NO. 2024-0019	

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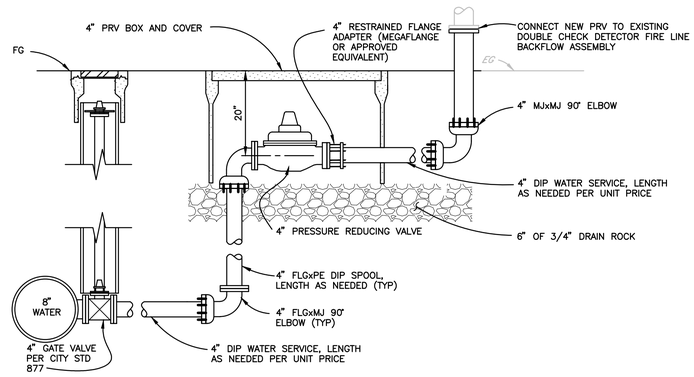
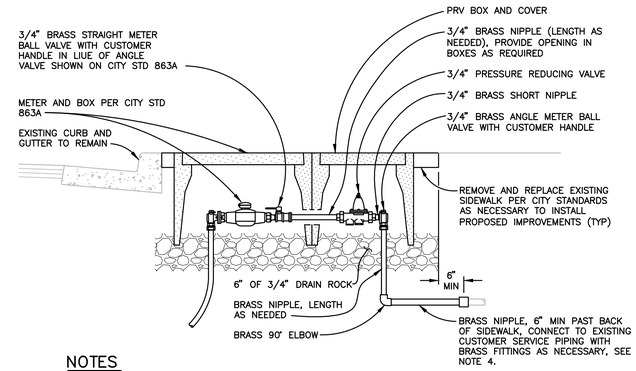
NOTES

1. SEE CITY APPROVED MATERIALS LIST FOR ADDITIONAL APPROVED MATERIALS NOT LISTED HERE.
2. PRESSURE REDUCING VALVE: CLAY–VAL MODEL 90–1, WATTS PV–10–01 OR APPROVED EQUAL.
3. CONTRACTOR SHALL MEASURE EXISTING PRV WITH PRESSURE GAUGE AND MATCH NEW PRV PSI TO THE EXISTING PRIOR TO TIE–IN TO EXISTING CUSTOMER SERVICE PIPING.
4. PRESSURE REDUCING VALVE BOX: TRAFFIC BEARING – CHRISTY B2436 WITH 62JH COVER MARKED "WATER"



4" BELOW GROUND PRESSURE REDUCING VALVE

NOT TO SCALE



NOTES

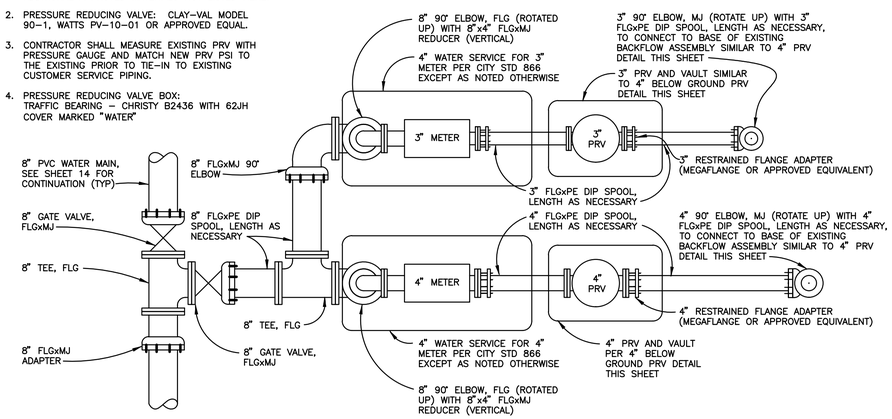
1. SEE CITY APPROVED MATERIALS LIST FOR ADDITIONAL APPROVED MATERIALS NOT LISTED HERE.
2. PRESSURE REDUCING VALVE: WATTS SERIES LF25AUB–Z3 WITH FEMALE IRON PIPE THREADS.
3. PRESSURE REDUCING VALVE BOX:
   a. NON–TRAFFIC BEARING – CHRISTY B09 WITH B9D LID MARKED "WATER"
   b. TRAFFIC BEARING – CHRISTY B1017 WITH 61JH COVER MARKED "WATER"
4. CONTRACTOR SHALL SET PRV AT 60 PSI AND MEASURE WITH PRESSURE GAUGE PRIOR TO TIE–IN TO EXISTING CUSTOMER SERVICE PIPING.
5. SIMILAR AT MULTI SERVICE MANIFOLD.

WATER SERVICE METER WITH PRESSURE REDUCING VALVE

NOT TO SCALE

NOTES

1. SEE CITY APPROVED MATERIALS LIST FOR ADDITIONAL APPROVED MATERIALS NOT LISTED HERE.
2. PRESSURE REDUCING VALVE: CLAY–VAL MODEL 90–1, WATTS PV–10–01 OR APPROVED EQUAL.
3. CONTRACTOR SHALL MEASURE EXISTING PRV WITH PRESSURE GAUGE AND MATCH NEW PRV PSI TO THE EXISTING PRIOR TO TIE–IN TO EXISTING CUSTOMER SERVICE PIPING.
4. PRESSURE REDUCING VALVE BOX: TRAFFIC BEARING – CHRISTY B2436 WITH 62JH COVER MARKED "WATER"

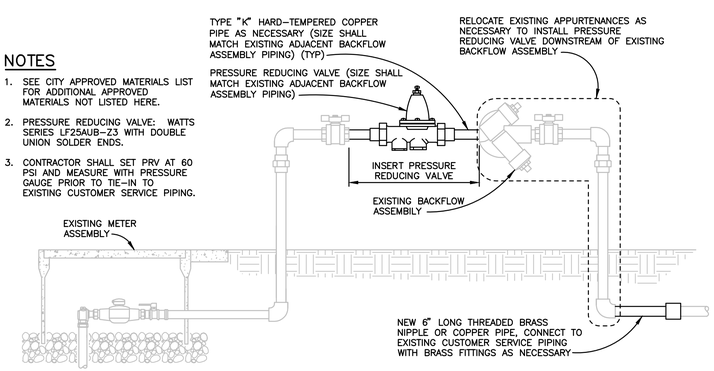


MONTGOMERY HIGH SCHOOL 8" COMBINATION SERVICE WITH 3" AND 4" METERS AND PRESSURE REDUCING VALVES

NOT TO SCALE

NOTES

1. SEE CITY APPROVED MATERIALS LIST FOR ADDITIONAL APPROVED MATERIALS NOT LISTED HERE.
2. PRESSURE REDUCING VALVE: WATTS SERIES LF25AUB–Z3 WITH DOUBLE UNION SOLDER ENDS.
3. CONTRACTOR SHALL SET PRV AT 60 PSI AND MEASURE WITH PRESSURE GAUGE PRIOR TO TIE–IN TO EXISTING CUSTOMER SERVICE PIPING.



WATER SERVICE PRESSURE REDUCING VALVE ADDITION TO EXISTING BACKFLOW PREVENTER MANIFOLD

NOT TO SCALE

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NO.	DATE	REVISION	BY

ROCK CREEK DRIVE & MATANZAS WAY
WATER, SEWER & STORM DRAIN IMPROVEMENTS

WATER SERVICE PRESSURE REDUCING VALVE TYPICAL DETAILS

CHK BY:	BB
DATE:	JULY 2025
DWN BY:	PIT
SCALE:	AS SHOWN
CONTRACT NO. C02290	
SHEET 36 OF 37	
FILE NO. 2024-0019	

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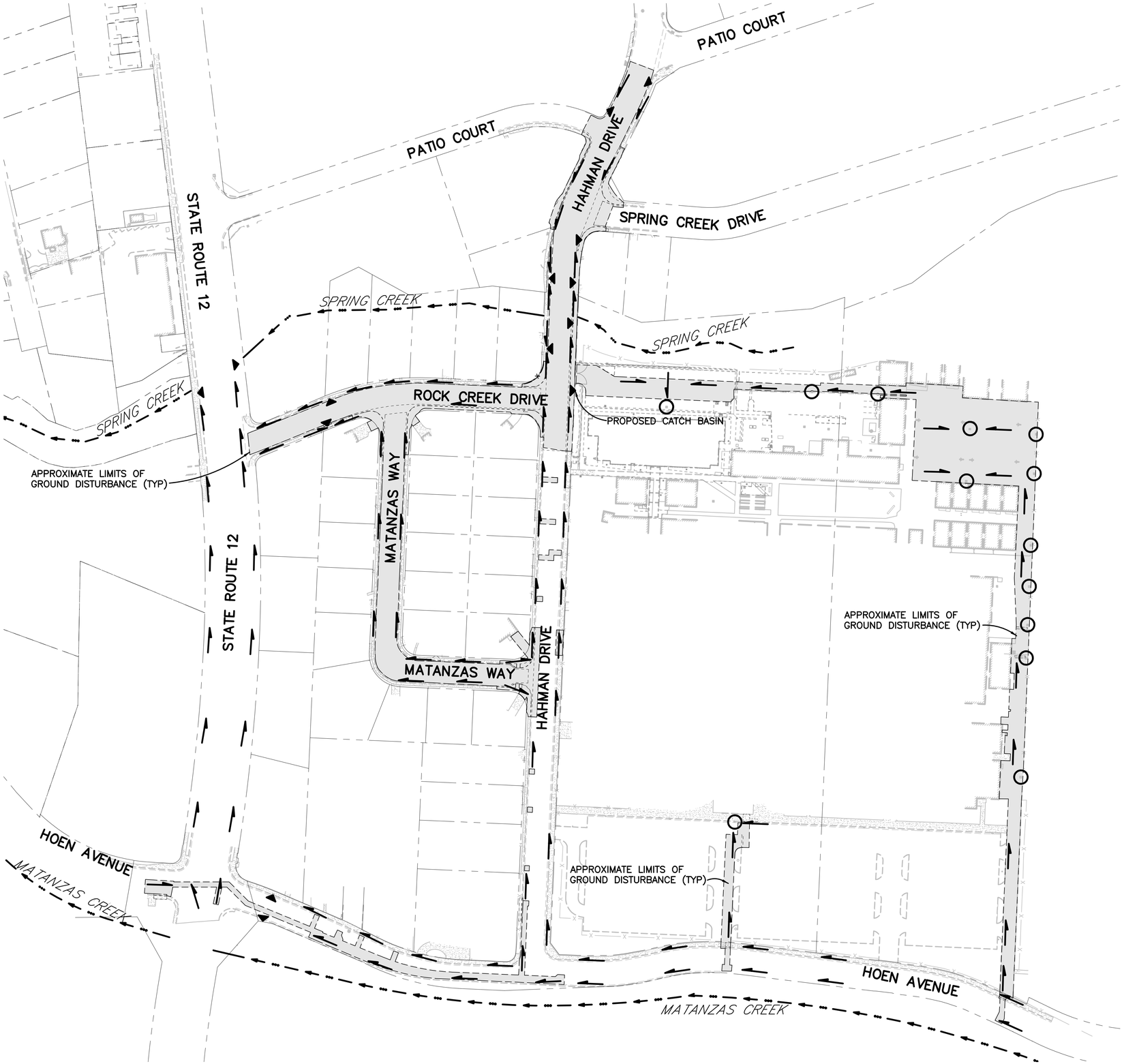

WATER POLLUTION CONTROL DRAWING LEGEND

- EXISTING RUNOFF FLOW DIRECTION
- EXISTING AND PROPOSED STORM DRAIN INLETS TO BE PROTECTED
- EXISTING AND PROPOSED CATCH BASIN TO BE PROTECTION
- EXISTING SWALES, CREEKS, OR OTHER WATER COURSE TO BE PROTECTED
- PROPOSED LIMITS OF DISTURBANCE

WATER POLLUTION CONTROL DRAWING NOTES

1. THE CONTRACTOR SHALL OBTAIN A COPY OF THE PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND KEEP IT ON SITE AT ALL TIMES DURING THE COURSE OF CONSTRUCTION.
2. THE CONTRACTOR IS RESPONSIBLE FOR ADHERENCE TO ALL OF THE REQUIREMENTS OF THE SWPPP.
3. THIS PLAN SHALL BE REPRODUCED FULL-SIZE, LAMINATED WITH PLASTIC AND POSTED IN THE JOB TRAILER.
4. THROUGHOUT THE COURSE OF CONSTRUCTION, AS SITE CONDITIONS CHANGE AND STORM EVENTS ARE PREDICTED, THE WATER POLLUTION CONTROL DRAWINGS SHALL BE UPDATED:
   - A. TO REFLECT LOCATIONS OF PROPOSED CONSTRUCTION ACTIVITIES SUCH AS CONCRETE WASHOUT, EQUIPMENT MAINTENANCE AND FUELING, MATERIAL STORAGE, AND OTHER CONSTRUCTION ACTIVITIES AS NECESSARY.
   - B. TO SHOW MODIFICATIONS TO PROPOSED BEST MANAGEMENT PRACTICES (BMP'S) ON SITE THAT ARE RELEVANT TO THE STAGE OF CONSTRUCTION, ADDITIONAL BMP'S DUE TO TEMPORARY SITE CONDITIONS, AND ANY OTHER BMP'S DEPLOYED AND NOT SHOWN ON THE EROSION CONTROL PLANS. A LIST OF BMP'S THAT MAY BE USED ARE DISCUSSED IN SECTION 500.3 OF THE SWPPP.
   - C. TO DEPICT STORMWATER SAMPLING LOCATIONS.

THE INTENT OF THE WATER POLLUTION CONTROL DRAWING IS TO DEPICT THE BMP'S DEPLOYED ON THE SITE AT THE CURRENT STAGE OF CONSTRUCTION.

LIST OF SELECTED BMP'S FROM SWPPP

THE CONTRACTOR SHALL KEEP A COPY OF THE AUGUST 2023 EDITION OF THE CALIFORNIA STORMWATER QUALITY ASSOCIATION (CASQA) CONSTRUCTION HANDBOOK, INCLUDING BMP CONSTRUCTION FACT SHEETS, AT THE PROJECT SITE AT ALL TIMES. THE FOLLOWING LIST OF CASQA FACT SHEET BMP'S SHALL BE USED AS NEEDED BASED ON THE CONTRACTORS MEANS AND METHODS.

TEMPORARY SOIL STABILIZATION BMPS

EC-1 SCHEDULING
EC-2 PRESERVATION OF EXISTING VEGETATION
EC-15 SOIL PREPARATION/ROUGHENING

TEMPORARY SEDIMENT CONTROL BMPS

SE-7 STREET SWEEPING AND VACUUMING
SE-10 STORM DRAIN INLET PROTECTION

WIND EROSION CONTROL BMPS

WE-1 WIND EROSION CONTROL

TRACKING CONTROL BMPS

TC-1 STABILIZED CONSTRUCTION ENTRANCE/EXIT

NON-STORM WATER MANAGEMENT BMPS

NS-1 WATER CONSERVATION PRACTICES
NS-2 DEWATERING OPERATIONS
NS-3 PAVING AND GRINDING OPERATIONS
NS-7 POTABLE WATER/IRRIGATION
NS-8 VEHICLE AND EQUIPMENT CLEANING
NS-9 VEHICLE AND EQUIPMENT FUELING
NS-10 VEHICLE AND EQUIPMENT MAINTENANCE
NS-12 CONCRETE CURING
NS-14 MATERIAL AND EQUIPMENT USE OVER WATER
NS-15 DEMOLITION ADJACENT TO WATER

WASTE MANAGEMENT & MATERIALS POLLUTION CONTROL BMPS

WM-1 MATERIAL DELIVERY AND STORAGE
WM-2 MATERIAL USE
WM-3 STOCKPILE MANAGEMENT
WM-4 SPILL PREVENTION AND CONTROL
WM-5 SOLID WASTE MANAGEMENT
WM-6 HAZARDOUS WASTE MANAGEMENT
WM-8 CONCRETE WASTE MANAGEMENT
WM-9 SANITARY/SEPTIC WASTE MANAGEMENT

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ROCK CREEK DRIVE & MATANZAS WAY
WATER, SEWER & STORM DRAIN IMPROVEMENTS

WATER POLLUTION CONTROL DRAWING

CHK BY:	BB
DATE:	JULY 2025
DWN BY:	PIT
SCALE:	AS SHOWN
CONTRACT NO. C02290	
SHEET 37 OF 37	
FILE NO. 2024-0019	

C 5.01

TAB: 37 WATER POLLUTION CONTROL DRAWING

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