

GENERAL NOTES

- 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.
- THE CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT (USA) AT 811 OR 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 8-1.10 OF THE SPECIAL PROVISIONS.
- 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 CITY ENGINEER.
- 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.
- 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.
- ALL EXCAVATED MATERIAL SHALL BE DISPOSED OF AS GENERATED AND AT NO TIME SHALL THE CONTRACTOR PLACE EXCAVATED MATERIAL AT THE WORK SITE.
- THE CONTRACTOR SHALL ONLY REMOVE EXISTING TREES OR SHRUBS AS NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- 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 ENGINEERING. ALL DAMAGED RAISED PAVEMENT (NON-REFLECTIVE) MARKERS MUST BE CERAMIC.
- 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. ANY DAMAGES TO CITY OR OTHER UTILITIES CAUSED BY CONTRACTOR OPERATIONS SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- ALL LANDSCAPING AND IRRIGATION SYSTEMS OR OTHER PRIVATE IMPROVEMENTS DISTURBED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED IN KIND OR AS DIRECTED BY THE CITY ENGINEER.
- CAUTION SHALL BE EXERCISED WHEN EXCAVATING WITHIN THE DRIPLINE OF ANY TREE SHOWN ON THE PLANS TO BE PROTECTED. ROOTS LARGER THAN 2 INCHES SHALL NOT BE CUT WITHOUT PERMISSION FROM THE CITY ENGINEER. IN THE EVENT THAT A TREE ROOT LARGER THAN 2 INCHES NEEDS TO BE REMOVED, THE ROOT PRUNING SHALL BE PERFORMED BY A LICENSED ARBORIST APPROVED BY THE CITY ENGINEER, AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL MAINTAIN REASONABLE ACCESS TO ALL DRIVEWAYS DURING CONSTRUCTION PER SECTION 7-1.03 AND 7-1.04 OF THE STATE STANDARD SPECIFICATIONS.
- ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND CITY OF SANTA ROSA STREETS AND CALTRANS STANDARD PLANS. ALL SIGNS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION TO PROVIDE PROPER VISIBILITY.
- SIGNAGE SHALL BE CONSTRUCTED WITH RETROREFLECTIVE MATERIAL ON A BACKING OF METAL OR FABRIC. FOR SIGNS DIRECTED TO PEDESTRIANS ONLY, CORRUGATED PRINTED SIGNS MAY BE USED. SIGNS SHALL BE REMOVED OR COVERED WHEN NOT REQUIRED.
- THE CONTRACTOR SHALL HAVE A CLASS "A" LICENSE.
- TRENCHING, PAVING, PIPE BEDDING AND BACKFILL REQUIREMENTS SHALL BE PER CITY OF SANTA ROSA STANDARD PLAN 215, UON.
- REPAIR AND REPLACEMENT OF EXISTING CURB, GUTTER, SIDEWALK AND DRIVEWAY APPROACHES SHALL BE PER CITY OF SANTA ROSA CONSTRUCTION STANDARDS.
- CONTRACTOR SHALL NOTIFY PG&E A MINIMUM OF 48 HOURS IN ADVANCE OF ANY EXCAVATIONS WITHIN 10 FEET OF ANY EXISTING PG&E POWER AND GAS UTILITIES.
- ALL STORM DRAIN SHOWN SHALL BE H.D.P.E. UNLESS OTHERWISE NOTED.
- ALL STORM DRAIN PIPE LENGTHS SHOWN ARE MEASURED HORIZONTALLY FROM CENTER OF STRUCTURES.
- STORM DRAIN SYSTEM SHALL BE KEPT FREE OF DIRT AND DEBRIS DURING ALL PHASES OF CONSTRUCTION. WASHING DIRT/DEBRIS DOWNSTREAM IN PIPES IS NOT ALLOWED.
- HORIZONTAL SEPARATION OF STORM DRAIN FROM SANITARY SEWER, WATER AND OTHER UTILITIES SHALL BE A MINIMUM OF 4-FOOT CLEAR (OUTSIDE OF PIPE TO OUTSIDE OF PIPE), EXCEPT AT PIPE CROSSINGS AND UNLESS OTHERWISE SHOWN.

ABBREVIATIONS

AB	AGGREGATE BASE, ABANDONED	(N)	NEW, NORTH
ABAN	ABANDONED	(NE)	NORTHEAST
AC	ASPHALTIC CONCRETE	(NW)	NORTHWEST
ACP	ASBESTOS CEMENT PIPE	N/A	NOT APPLICABLE
AGG	AGGREGATE	NAVD	NORTH AMERICAN VERTICAL DATUM NUMBER
APN	ASSESSORS PARCEL NUMBER	No	NOT TO SCALE
		NTS	NOT TO SCALE
BC	BEGINNING OF CURVE	O.C.	ON CENTER
BCC	BEGINNING OF COMPOUND CURVE	OH	OVERHEAD
BLDG	BUILDING	OCP	OPEN CONCRETE PIPE INLET
BP	BEGINNING POINT	OMPI	OPEN METAL PIPE INLET
BSW	BACK OF SIDEWALK		
C	COMMUNICATION	PB	POINT OF BEGINNING
C&G	CURB & GUTTER	PCC	PORTLAND CEMENT CONCRETE, POINT OF COMPOUND CURVE
CATV	CABLE TELEVISION	PERF	PERFORATED
CB	CATCH BASIN	PI	POINT OF INTERSECTION
CDF	CONTROL DENSITY FILL	PL	PROPERTY LINE / POWER LINE CENTERLINE
CL	CLASS	PP	POWER POLE
CMP	CORRUGATED METAL PIPE	PT	POINT
CO	CLEANOUT	PVC	POLYVINYL CHLORIDE
CONC	CONCRETE		
CP	CONCRETE PIPE	R	RADIUS
		RC	RELATIVE COMPACTION
DEPT	DEPARTMENT	RCP	REINFORCED CONCRETE PIPE
DJ	DROP INLET	RD	ROAD
DIA, Ø	DIAMETER	RET	RETAINING
DIP	DUCTILE IRON PIPE	ROW	RIGHT-OF-WAY
DWG	DRAWING	RPM	RAISED PAVEMENT MARKER
DWY	DRIVEWAY	RSP	ROCK SLOPE PROTECTION
		RT	RIGHT OFFSET FROM CENTERLINE
		R/W	RIGHT OF WAY
(E)	EAST, EXISTING	S	SLOPE, SEWER
E	ELECTRICAL	(S)	SOUTH
EC	END OF CURVE	SCH	SCHEDULE
ECC	END OF COMPOUND CURVE	SD	STORM DRAIN
ELEC	ELECTRIC	SDMH	STORM DRAIN MANHOLE
EG	EXISTING GRADE	SHT	SHEET
EJ	EXPANSION JOINT	SL	STREET LIGHT
EL, ELEV	ELEVATION	SS	SANITARY SEWER
EP	EDGE OF PAVEMENT	SSCO	SANITARY SEWER CLEANOUT
EX, EXIST	EXISTING	SMMH	SANITARY SEWER MANHOLE
		ST	STREET
FC	FACE OF CURB	STA	STATION
FES	FLARED END SECTION	STD	STANDARD
FG	FINISH GRADE (UNPAVED)	(T)	SOUTHEAST
FH	FIRE HYDRANT	(SW)	SOUTHWEST
FL	FLOWLINE	S/W	SIDEWALK
FLG	FLOW LINE OF GUTTER	T, TEL	TELEPHONE, TELEMETRY
FND	FOUNDATION	TB	TOP OF BANK
FS	FINISHED SURFACE (AC OR CONCRETE)	TC	TOP OF CURB
		TOC	TOP OF CONCRETE
G	GAS	TOE	TOP OF FEATURE
GALV	GALVANIZED	TOP	TOP OF PIPE
GB	GRADE BREAK	TOW	TOP OF WALL
GV	GATE VALVE	TP	TOP OF CONCRETE PAD, TYPICAL
HDPE	HIGH DENSITY POLYETHYLENE	UG	UNDERGROUND
HMA	HOT MIX ASPHALT	UON	UNLESS OTHERWISE NOTED
INV	INVERT		
IRR	IRRIGATION	VAR	VARIES
		VCP	VITRIFIED CLAY PIPE
L	LENGTH	VERT	VERTICAL
LF	LINEAR FEET	VLT	VAULT
LG	LIP OF GUTTER		
LT	LEFT OFFSET FROM CENTERLINE	(W)	WEST
MAX	MAXIMUM	W	WITH
MB	MAILBOX	W	WATER
MH	MANHOLE	WM	WATER METER, WATER MAIN
MI	MILE	WS	WATER SERVICE
MIN	MINIMUM, MINUTE	WV	WATER VALVE
MON	MONUMENT		

NOTES:
1. SOME ABBREVIATIONS MAY BE USED IN COMBINATION.
2. REFER TO CALTRANS STANDARD PLANS A10A AND A10B FOR ABBREVIATIONS NOT LISTED.

CONSTRUCTION KEYNOTE DESIGNATIONS

(D1)	STORM DRAIN RELATED CONSTRUCTION KEYNOTES.
(E1)	EROSION CONTROL RELATED CONSTRUCTION KEYNOTES
(R1)	ROADWAY RELATED CONSTRUCTION KEYNOTES
(T1)	TELEMETRY RELATED CONSTRUCTION KEYNOTES

LEGEND

EXISTING	NEW	EXISTING	NEW
	N/A		DRAINAGE FLOWLINE AND DIRECTION
	N/A		EARTHWORK CUT BOUNDARY
	N/A		EARTHWORK FILL BOUNDARY
			HMA / AC PAVEMENT OVERLAY
			CONCRETE
			ROCK SLOPE PROTECTION
			TEMPORARY EROSION CONTROL AREA
			CONFORM GRIND
			HMA / AC PAVEMENT FULL DEPTH REPAIR
			GRAVEL SURFACE
			STOP LEGEND AND LIMIT LINE
			ABANDON OR REMOVE (E) STORM DRAIN
			STORM DRAIN MANHOLE
			SANITARY SEWER
			SANITARY SEWER LATERAL WITH CLEANOUT
			SEWER MANHOLE
			ELECTRICAL VAULT / PULL BOX
			TELEMETRY PULL BOX
			STREET LIGHT PULL BOX
			TELEPHONE RISER
			STORM DRAIN CATCH BASIN
			STORM DRAIN DROP INLET
			TYPE OMPI INLET
			SIGN
			MAIL BOX
			POWER POLE / JOINT POLE AND GUY WIRE
			STREET LIGHT
			UNDERGROUND ELECTRICAL
			OVERHEAD ELECTRICAL
			OVERHEAD COMMUNICATIONS
			UNDERGROUND TELEMETRY
			ABANDON OR REMOVE UNDERGROUND TELEMETRY
			UNDERGROUND CABLE TELEVISION
			UNDERGROUND TELEPHONE / COMMUNICATION
			UNDERGROUND GAS
			WATER MAIN AND GATE VALVE
			WATER SERVICE AND METER
			FIRE HYDRANT
			CURB AND GUTTER
			CONCRETE BLOCK / ROCK WALL
			SILT FENCE
			FIBER ROLL

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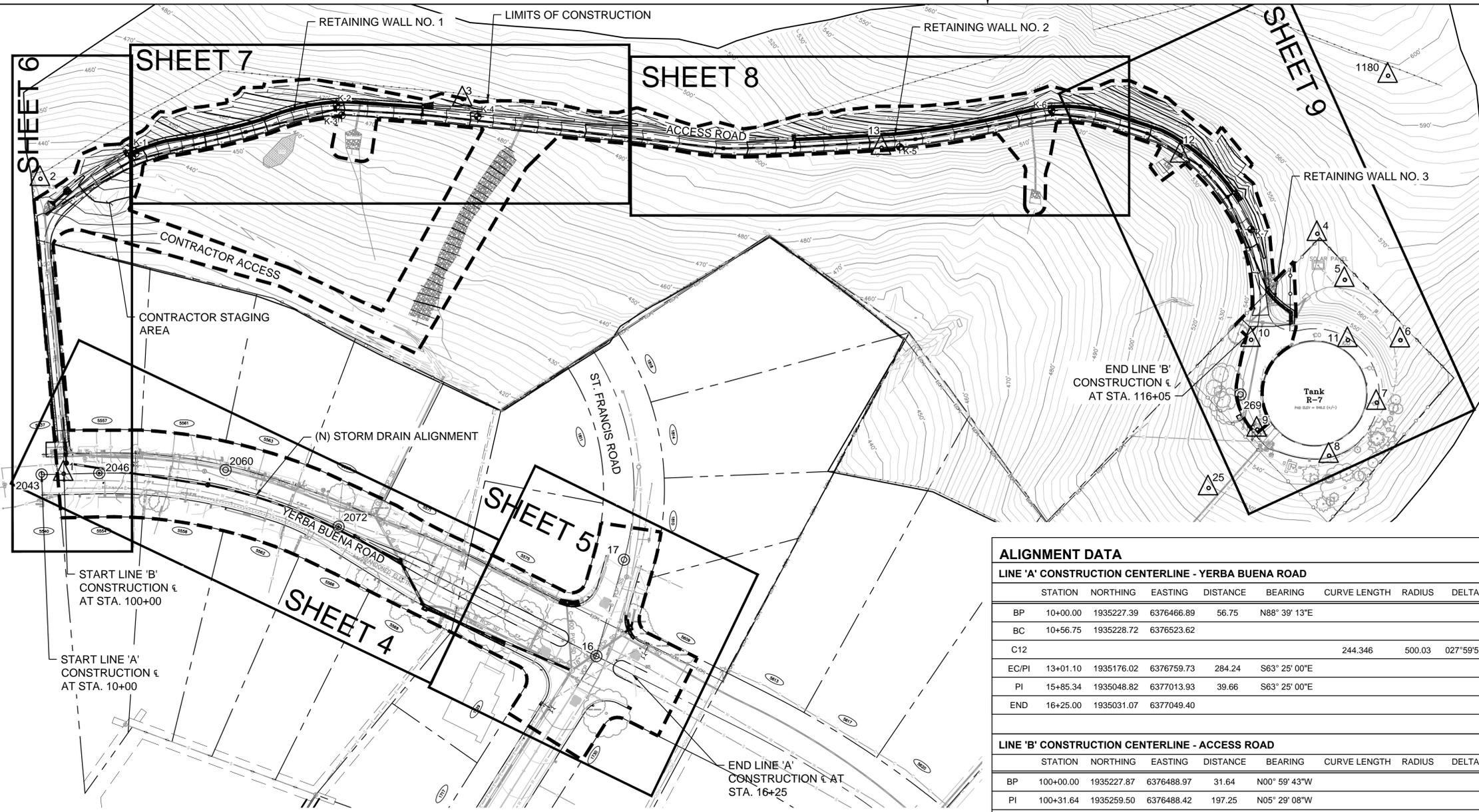
City of Santa Rosa
R7 ROAD ACCESS STABILIZATION REPAIRS
GENERAL NOTES, ABBREVIATIONS, AND LEGEND

SCALE: NONE	DATE: NOVEMBER 2016	CHK BY: MGK	By: Colleen Ferguson
DWN BY: JC	APPROVED: Deputy Director - Engineering		
			No. _____
			Date _____
			Revision _____
			By _____

CONTRACT NO. C01801
SHEET 2 OF 22
FILE NO. 2015-XXXX

90% DESIGN - NOT FOR CONSTRUCTION

R7 ROAD ACCESS STABILIZATION REPAIRS



SURVEY CONTROL DIAGRAM AND PLAN & PROFILE KEY PLAN
 SCALE 1"=60'



ALIGNMENT DATA						
LINE 'A' CONSTRUCTION CENTERLINE - YERBA BUENA ROAD						
	STATION	NORTHING	EASTING	DISTANCE	BEARING	CURVE LENGTH
BP	10+00.00	1935227.39	6376466.89	56.75	N88° 39' 13"E	
BC	10+56.75	1935228.72	6376523.62			
C12						244.346
EC/PI	13+01.10	1935176.02	6376759.73	284.24	S63° 25' 00"E	500.03
PI	15+85.34	1935048.82	6377013.93	39.66	S63° 25' 00"E	
END	16+25.00	1935031.07	6377049.40			
LINE 'B' CONSTRUCTION CENTERLINE - ACCESS ROAD						
	STATION	NORTHING	EASTING	DISTANCE	BEARING	CURVE LENGTH
BP	100+00.00	1935227.87	6376488.97	31.64	N00° 59' 43"W	
PI	100+31.64	1935259.50	6376488.42	197.25	N05° 29' 08"W	
BCC	102+28.89	1935455.85	6376469.56			
C1						39.106
PCC	102+68.00	1935490.55	6376485.86			56.55
C2						121.740
PCC	103+89.74	1935548.40	6376591.62			251.16
C3						100.954
PCC	104+90.70	1935570.70	6376689.98			675.68
C4						79.022
ECC/PI	105+69.72	1935586.75	6376766.85	86.32	S85° 59' 39"E	202.81
PI	106+56.04	1935580.72	6376852.96	175.20	S83° 59' 54"E	
BCC	108+31.23	1935562.41	6377027.19			
C5						80.743
PCC	109+11.98	1935551.69	6377107.16			630.88
C6						64.396
PCC	109+76.37	1935548.05	6377171.35			324.91
C7						136.272
PCC	111+12.64	1935554.96	6377307.44			4248.60
C8						137.173
PCC	112+49.82	1935578.38	6377442.48			932.56
C9						83.319
ECC/PI	113+33.14	1935573.71	6377524.55	45.32	S71° 56' 03"E	146.61
BC	113+78.46	1935559.66	6377567.64			
C10						206.964
EC/PI	115+85.42	1935391.71	6377668.51	17.67	S07° 06' 05"W	181.33
END	116+05.00	1935372.81	6377666.09			065°23'48"

GENERAL NOTES

- FIELD TOPOGRAPHIC SURVEY WAS COMPLETED BY CITY OF SANTA ROSA IN NOVEMBER/DECEMBER 2013 AND JANUARY 2016.
- ALL ELEVATION INFORMATION IS IN FEET.

BASIS OF BEARINGS

ALL COORDINATES ARE TIED TO THE CITY OF SANTA ROSA'S HORIZONTAL CONTROL NETWORK WHICH IS BASED ON NAD 83, EPOCH 91.35. ELEVATIONS ARE TIED TO THE CITY OF SANTA ROSA'S VERTICAL CONTROL NETWORK WHICH IS BASED ON THE NGVD OF 1929.

SURVEY CONTROL POINT DATA

POINT #	DESCRIPTION	ELEVATION	NORTHING	EASTING
1	520_PK NAIL	405.310	1935228.08	6376488.96
2	515_ 3/4in.IP-"CSR"	431.624	1935518.31	6376465.66
3	515_ 3/4in.IP-"CSR"	482.201	1935596.63	6376882.18
4	515_ 3/4in.IP-"CSR"	559.250	1935464.12	6377724.89
5	511_PUNCH-IN-CONCRETE	565.560	1935418.89	6377751.96
6	511_PUNCH-IN-CONCRETE	557.255	1935359.41	6377806.80
7	520_PK NAIL	545.440	1935298.02	6377783.44
8	520_PK NAIL	545.150	1935245.81	6377736.47
9	520_PK NAIL	545.360	1935271.62	6377665.57
10	520_PK NAIL	544.140	1935359.90	6377659.54
11	520_PK NAIL	545.590	1935359.65	6377754.96
12	520_TBM-1	531.888	1935541.24	6377589.91
13	520_TBM-2	511.107	1935548.82	6377295.16
16	518_MON WELL - 1/2in.REBAR	392.100	1935048.82	6377013.92
17	518_MON WELL - 1/2in.REBAR	398.022	1935143.57	6377041.17
25	528_GINNY	528.870	1935214.06	6377617.73
269	518_MON WELL - DISK 0 in. No.0	544.164	1935306.07	6377649.12
1180	510_CITY DISK 3 in.	598.520	1935619.64	6377794.86
2043	518_MON WELL - DISK 2 in. CSR	406.502	1935227.39	6376466.89
2046	518_MON WELL - DISK 2 in. CSR	400.750	1935228.75	6376523.64
2060	518_MON.WELL DISK 3 in. LS5116	393.255	1935231.78	6376648.29
2072	518_MON WELL - DISK 2 in. CSR	391.131	1935176.06	6376759.70

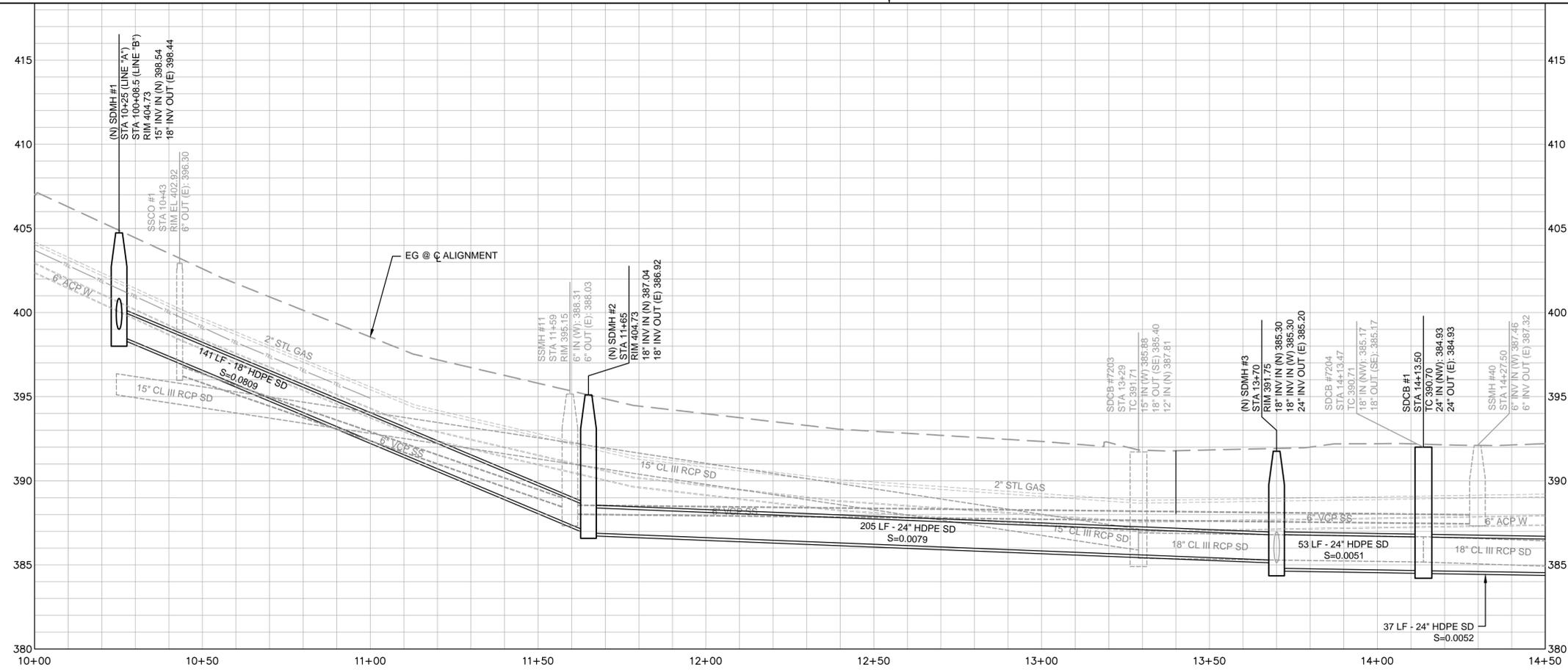
DATE: NOVEMBER 2016
 SCALE: 1"=60'
 DWN BY: JC
 CHK BY: MGK
 APPROVED: Deputy Director - Engineering
 By: Colleen Ferguson

City of Santa Rosa
R7 ROAD ACCESS STABILIZATION REPAIRS
KEY PLAN, SURVEY CONTROL DIAGRAM, AND ALIGNMENT DATA

CONTRACT NO. C01801
 SHEET 3 OF 22
 FILE NO. 2015-XXXX

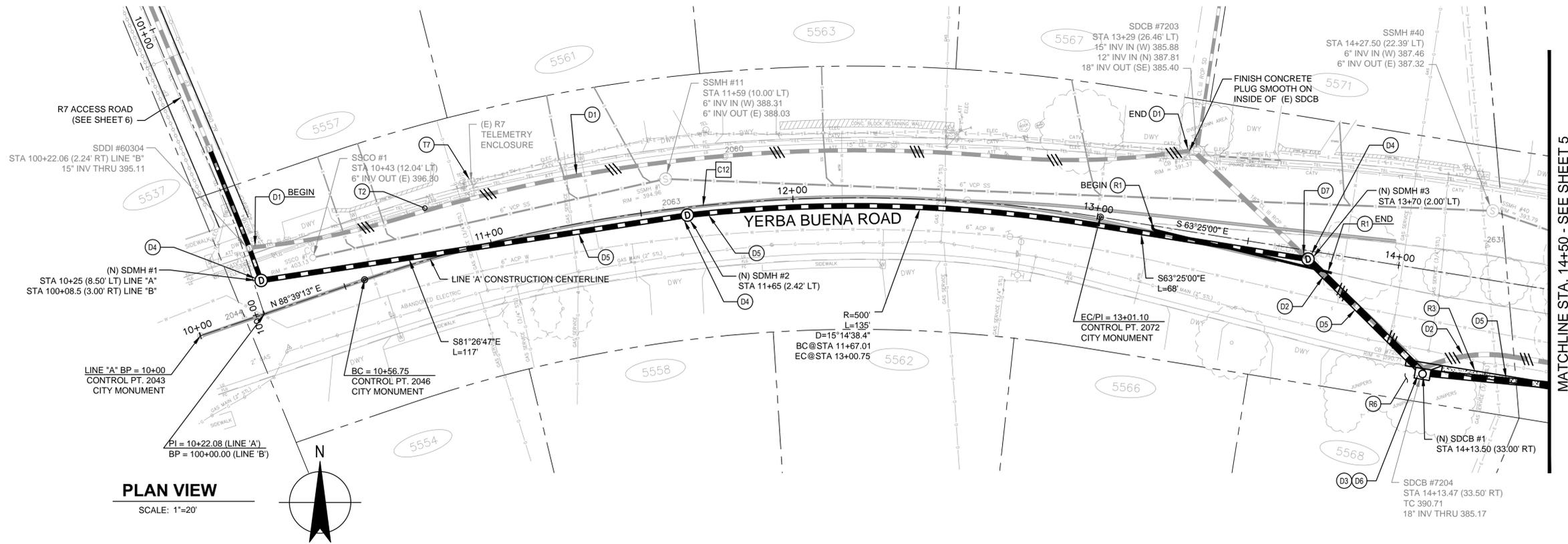
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PROFILE VIEW

SCALE: HORIZONTAL 1"=20'
VERTICAL 1"=4'



PLAN VIEW

SCALE: 1"=20'

SHEET GENERAL NOTE

- ALL PIPE CROSSINGS SHALL CONFORM TO THE SEPARATION DISTANCES AS SHOWN ON CITY OF SANTA ROSA STD 517.
- REFER TO DETAIL 4 ON SHEET 22 FOR TRENCH BEDDING, BACKFILL AND SURFACING REQUIREMENTS.
- REFER TO SPECIAL PROVISIONS SECTION 86 FOR TELEMETRY SYSTEM SCHEDULING, SHUT-DOWN, DEMOLITION AND INSTALLATION REQUIREMENTS.

CONSTRUCTION KEYNOTES

- (D1) ABANDON (E) SD PER CITY STD 507.
- (D2) REMOVE (E) SD AS NECESSARY TO INSTALL (N) SD. ABANDON (E) SD PER CITY STD 507.
- (D3) REMOVE (E) CATCH BASIN.
- (D4) INSTALL (N) 48" SDMH PER CITY STD 400.
- (D5) INSTALL (N) SD PER CITY STD.
- (D6) INSTALL (N) TYPE II CATCH BASIN, CURB AND GUTTER PER CITY STD 402. CATCH BASIN WIDTH SHALL BE 30" MIN OR AS NECESSARY TO ACCOMMODATE (N) SD.
- (D7) INTERCEPT (E) 18" SD AND CONNECT TO (N) SDMH #3.
- (R1) REMOVE AND REPLACE STREET MEDIAN CURB PER CITY STD 242. MAINTAIN POSITIVE SLOPE WITH NO LOW POINTS.
- (R3) REMOVE AND REPLACE CURB AND GUTTER PER CITY STD 235 AND 231. MAINTAIN POSITIVE SLOPE WITH NO LOW POINTS.
- (R6) CLEAR AND GRUB (E) JUNIPER BUSHES AS NECESSARY TO CONSTRUCT IMPROVEMENTS.
- (T2) REMOVE (E) AND PROVIDE (N) R7 TELEMETRY CABLES.
- (T7) CITY TO DISCONNECT (E) AND RECONNECT (N) TELEMETRY CABLES.

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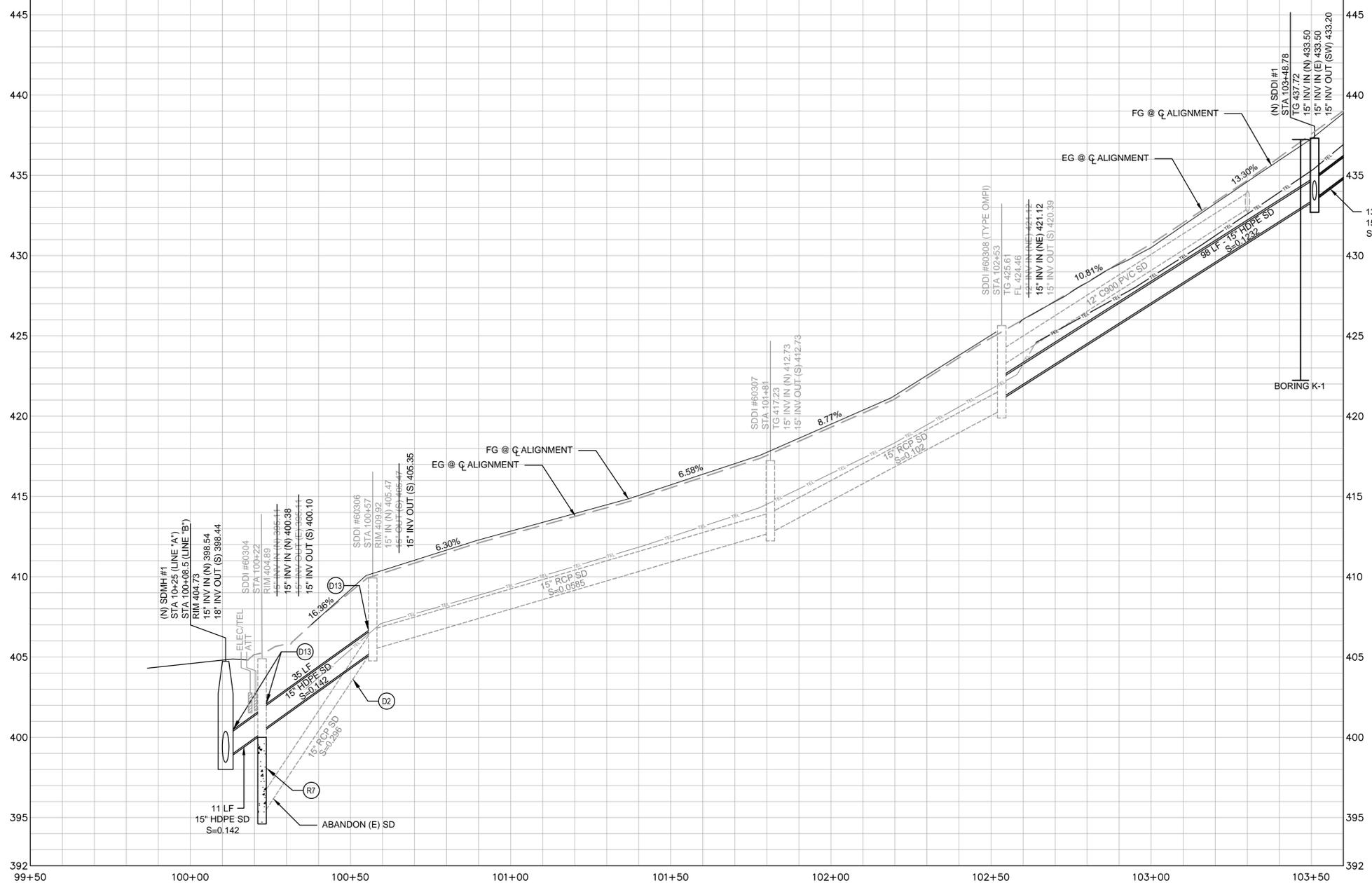
No.	Date	Revision	By

SCALE: H: 1"=20' V: 1"=4'	DATE: NOVEMBER 2016
DWN BY: JC	CHK BY: MGK
APPROVED: Deputy Director - Engineering	By: _____ Date: _____

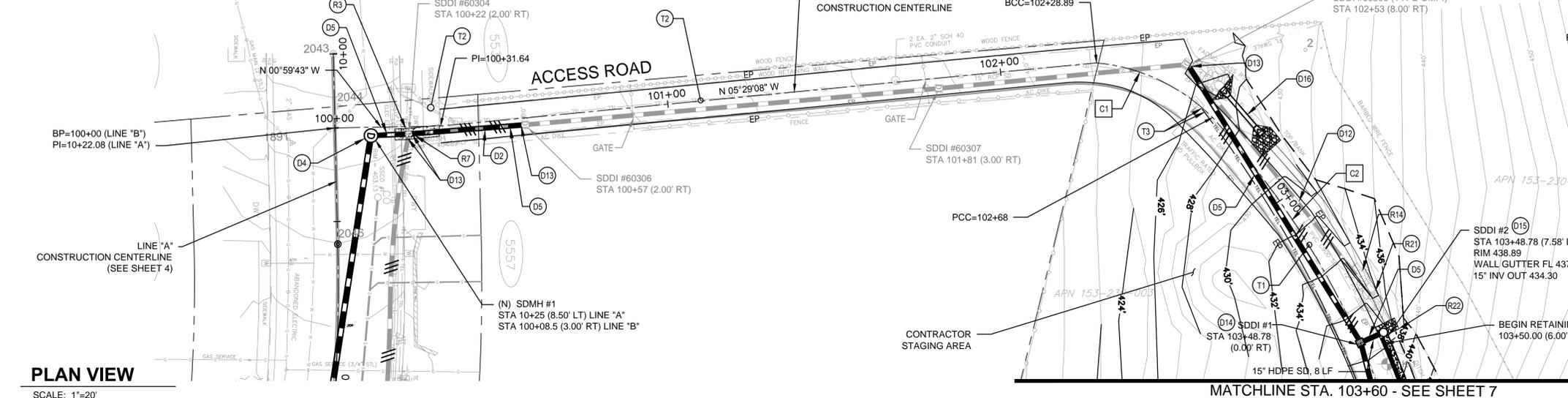
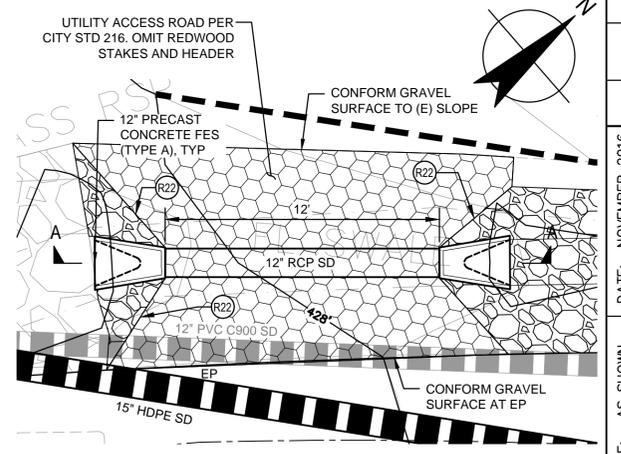
City of Santa Rosa
**R7 ROAD ACCESS
STABILIZATION REPAIRS**
YERBA BUENA ROAD PLAN & PROFILE
STA. 10+00 TO 14+50

CONTRACT NO.
C01801

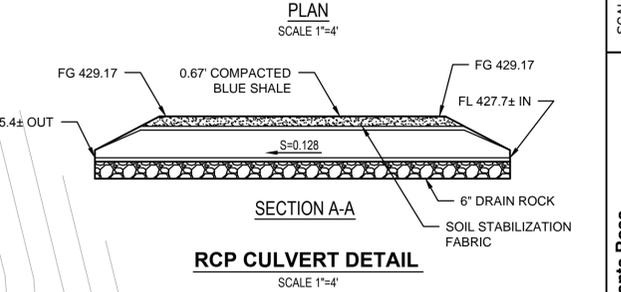
SHEET 4 OF 22
FILE NO. 2015-XXXX



PROFILE VIEW
SCALE: HORIZONTAL 1"=20'
VERTICAL 1"=4'



PLAN VIEW
SCALE: 1"=20'



RCP CULVERT DETAIL
SCALE 1"=4'

- SHEET GENERAL NOTE**
- REFER TO DETAIL 4 ON SHEET 22 FOR TRENCH BEDDING, BACKFILL AND SURFACING REQUIREMENTS.
 - KEY IN NEW FILL MATERIAL AS SHOWN ON DETAIL 2 ON SHEET 22.
- CONSTRUCTION KEYNOTES**
- D2 REMOVE (E) SD AS NECESSARY TO INSTALL (N) SD. ABANDON (E) SD PER CITY STD 507.
 - D4 INSTALL (N) 48" SDMH PER CITY STD 400.
 - D5 INSTALL (N) SD PER CITY STD.
 - D12 REMOVE (E) SD.
 - D13 CONNECT (N) SD TO (E) SDDI.
 - D14 INSTALL (N) PRECAST CONCRETE SDDI. SEE DETAIL 7 ON SHEET 21.
 - D15 INSTALL (N) SDDI (TYPE HDPE). SEE DETAIL 1 ON SHEET 22.
 - D16 INSTALL (N) 12" RCP CULVERT. SEE RCP CULVERT DETAIL THIS SHEET.
 - R3 REMOVE AND REPLACE DRIVEWAY APRON PER CITY STD 205B AND SIDEWALK PER CITY STD 235 AND 237 AS NECESSARY TO INSTALL (N) SD.
 - R7 FILL (E) SDDI WITH CONCRETE TO (N) INVERT ELEVATION. TROWEL SMOOTH.
 - R14 REMOVE (E) CONCRETE DRAINAGE CHANNEL.
 - R21 SALVAGE (E) RSP (FACING CLASS).
 - R22 INSTALL SALVAGED RSP (FACING CLASS, METHOD A).
 - T1 REMOVE (E) R7 TELEMETRY CONDUITS AND CABLES.
 - T2 REMOVE (E) AND PROVIDE (N) R7 TELEMETRY CABLES.
 - T3 INSTALL (N) R7 TELEMETRY CONDUITS AND CABLES AND CONNECT TO (E) TRAFFIC-RATED #5 PULLBOX.

No.	Date	Revision	By

DATE: NOVEMBER 2016	MGK
AS SHOWN	JC
CHK BY:	MGK
APPROVED: Deputy Director - Engineering	
By: Colleen Ferguson	Date: _____

City of Santa Rosa
R7 ROAD ACCESS STABILIZATION REPAIRS
R7 ACCESS ROAD PLAN & PROFILE 100+00 TO 103+60

CONTRACT NO. C01801
SHEET 6 OF 22
FILE NO. 2015-XXXX

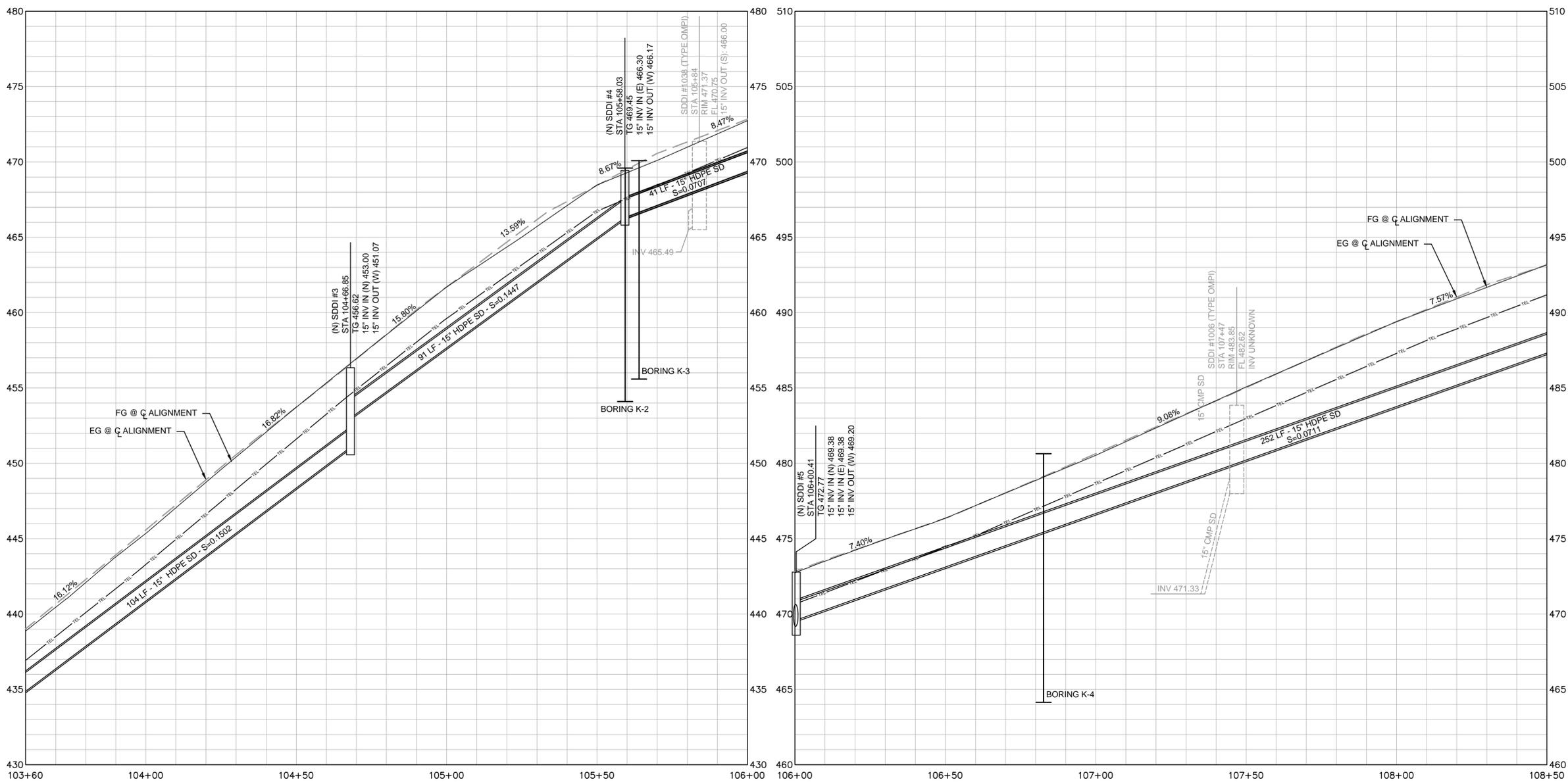
R7 ROAD ACCESS STABILIZATION REPAIRS

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MATCHLINE STA. 103+60 - SEE SHEET 7

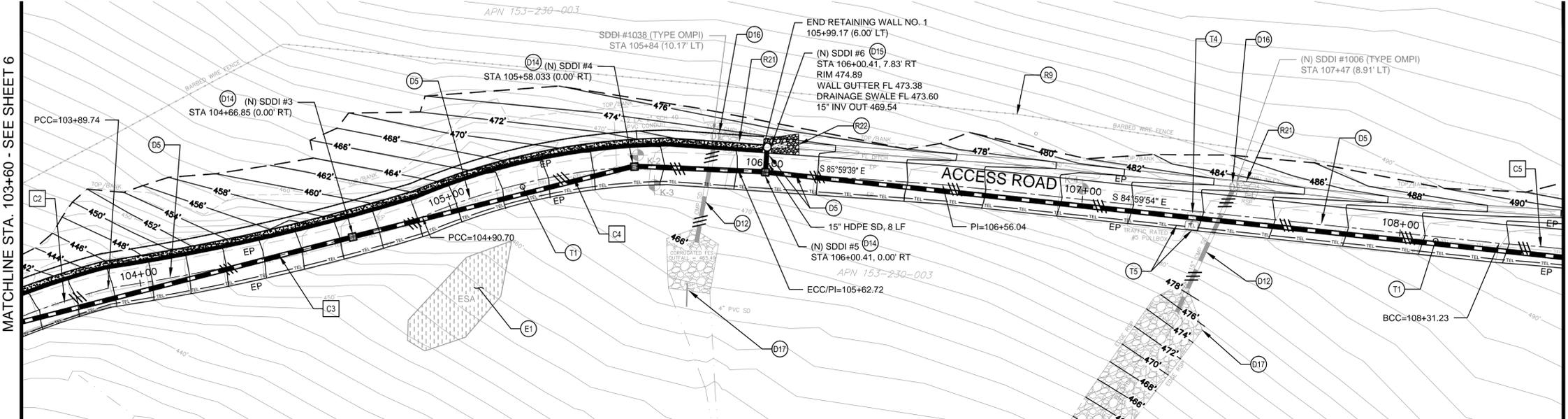
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PROFILE VIEW

SCALE: HORIZONTAL 1"=20'
VERTICAL 1"=4'



PLAN VIEW

SCALE: 1"=20'

SHEET GENERAL NOTE

- REFER TO DETAIL 4 ON SHEET 22 FOR TRENCH BEDDING, BACKFILL AND SURFACING REQUIREMENTS.
- KEY IN NEW FILL MATERIAL AS SHOWN ON DETAIL 2 ON SHEET 22.

CONSTRUCTION KEYNOTES

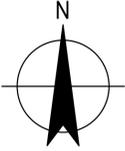
- (D5) INSTALL (N) SD PER CITY STD.
- (D12) REMOVE (E) SD.
- (D14) INSTALL (N) PRECAST CONCRETE SDDI. SEE DETAIL 7 ON SHEET 20.
- (D15) INSTALL (N) SDDI (TYPE HDPE). SEE DETAIL 1 ON SHEET 22.
- (D16) REMOVE (E) TYPE OMPI INLET.
- (D17) REMOVE (E) RSP. FILL VOID WITH SUITABLE MATERIAL AND REGRADE TO SLOPES AS SHOWN.
- (E1) CONTRACTOR SHALL NOT ENCROACH ON DESIGNATED WETLAND AREA.
- (R9) REMOVE (E) BARBED WIRE FENCE WHERE IT IS IN CONFLICT WITH GRADING.
- (R21) SALVAGE (E) RSP (FACING CLASS).
- (R22) INSTALL SALVAGED RSP (FACING CLASS, METHOD A).
- (T1) REMOVE (E) R7 TELEMETRY CONDUITS AND CABLES.
- (T4) REMOVE (E) TRAFFIC RATED #5 PULLBOX.
- (T5) INSTALL (N) R7 TELEMETRY CONDUITS, CABLES AND TRAFFIC RATED #5 PULLBOX.

No.	Date	Revision	By

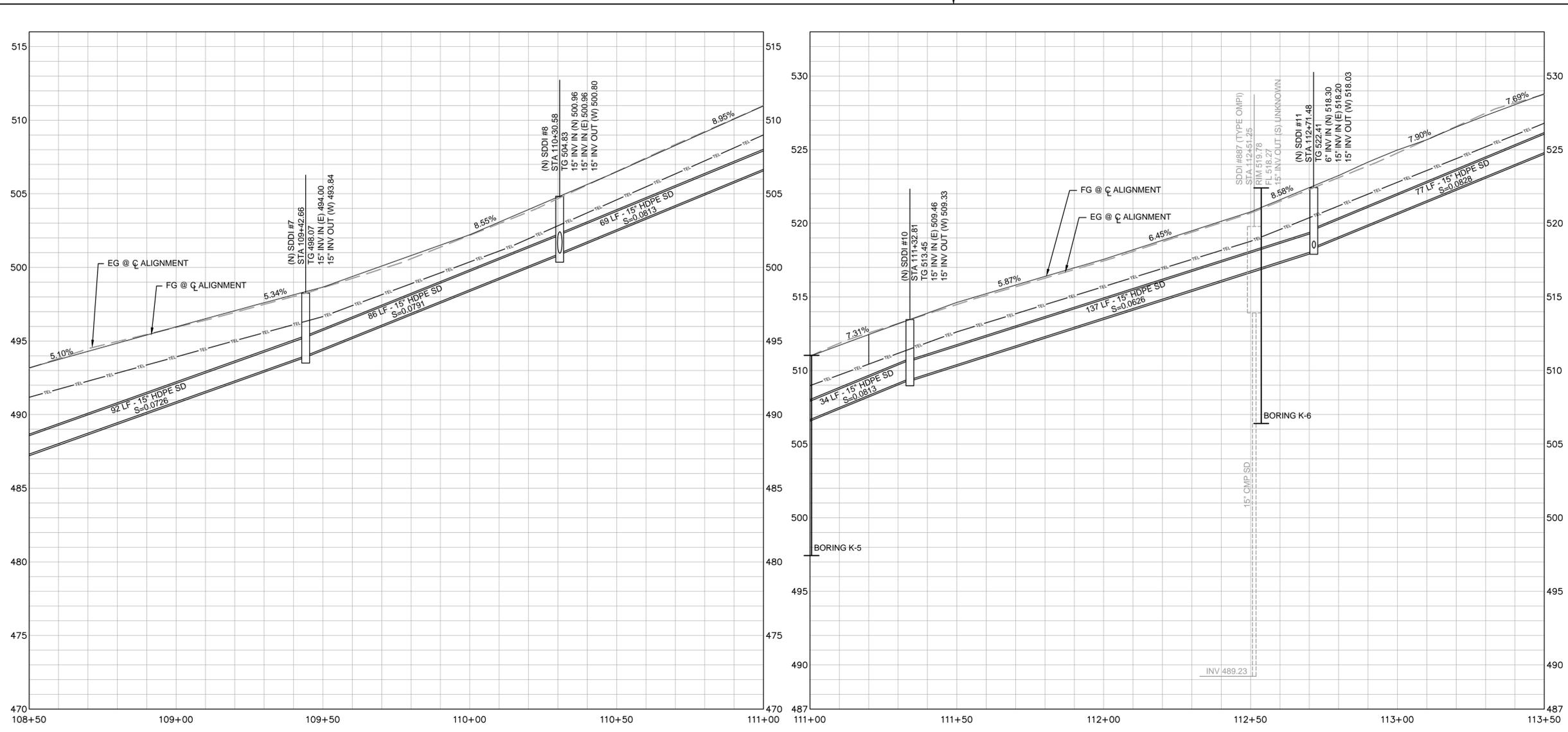
DATE: NOVEMBER 2016
 DATE: NOVEMBER 2016
 DATE: NOVEMBER 2016
 DATE: NOVEMBER 2016
 DATE: NOVEMBER 2016

City of Santa Rosa
R7 ROAD ACCESS STABILIZATION REPAIRS
 R7 ACCESS ROAD PLAN & PROFILE
 103+60 TO 108+50

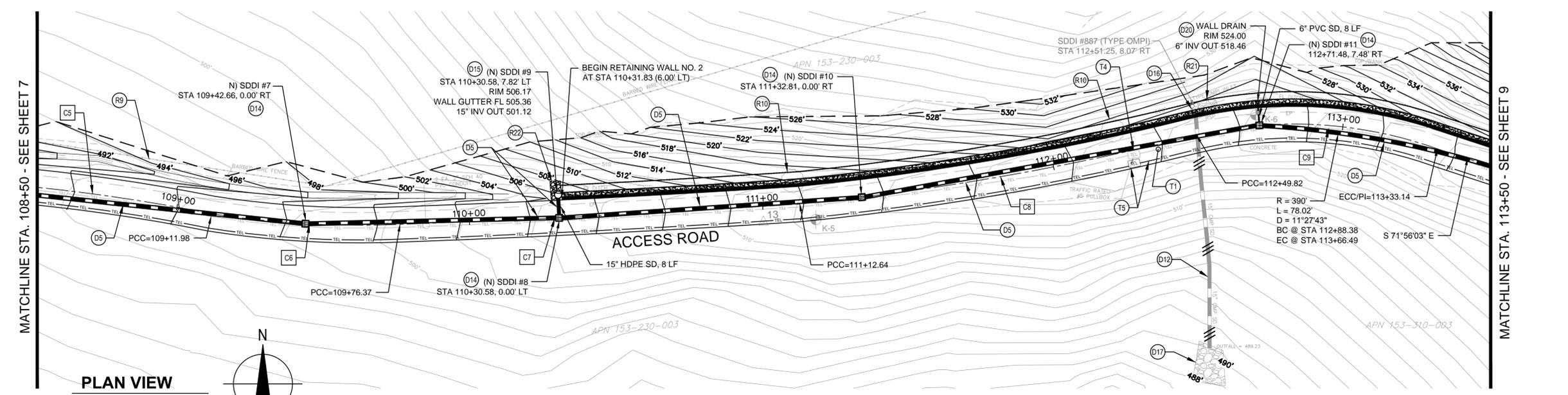
CONTRACT NO. C01801
 SHEET 7 OF 22
 FILE NO. 2015-XXXX



90% DESIGN - NOT FOR CONSTRUCTION



PROFILE VIEW
 SCALE: HORIZONTAL 1"=20'
 VERTICAL 1"=4'



PLAN VIEW
 SCALE: 1"=20'

SHEET GENERAL NOTE

- REFER TO DETAIL 4 ON SHEET 22 FOR TRENCH BEDDING, BACKFILL AND SURFACING REQUIREMENTS.
- KEY IN NEW FILL MATERIAL AS SHOWN ON DETAIL 2 ON SHEET 22.

CONSTRUCTION KEYNOTES

- (D5) INSTALL (N) SD PER CITY STD.
- (D12) REMOVE (E) SD.
- (D14) INSTALL (N) PRECAST CONCRETE SDDI. SEE DETAIL 7 ON SHEET 21.
- (D15) INSTALL (N) SDDI (TYPE HOPE). SEE DETAIL 1 ON SHEET 21.
- (D16) REMOVE (E) TYPE OMPI INLET.
- (D17) REMOVE (E) RSP. FILL VOID WITH SUITABLE SITE MATERIAL AND REGRADE TO MATCH (E) SLOPE.
- (D20) INSTALL WALL GUTTER DRAIN AT LOW POINT OF WALL GUTTER. SEE DETAILS 1 AND 6 ON SHEET 21.
- (R9) REMOVE (E) BARBED WIRE FENCE WHERE IT IS IN CONFLICT WITH GRADING.
- (R10) REMOVE (E) TREE.
- (R21) SALVAGE (E) RSP (FACING CLASS).
- (R22) INSTALL SALVAGED RSP (FACING CLASS, METHOD A)
- (T1) REMOVE (E) R7 TELEMETRY CONDUITS AND CABLES.
- (T4) REMOVE (E) TRAFFIC RATED #5 PULLBOX.
- (T5) INSTALL (N) R7 TELEMETRY CONDUITS, CABLES AND TRAFFIC RATED #5 PULLBOX.

City of Santa Rosa
R7 ROAD ACCESS STABILIZATION REPAIRS
 R7 ACCESS ROAD PLAN & PROFILE 108+50 TO 113+50

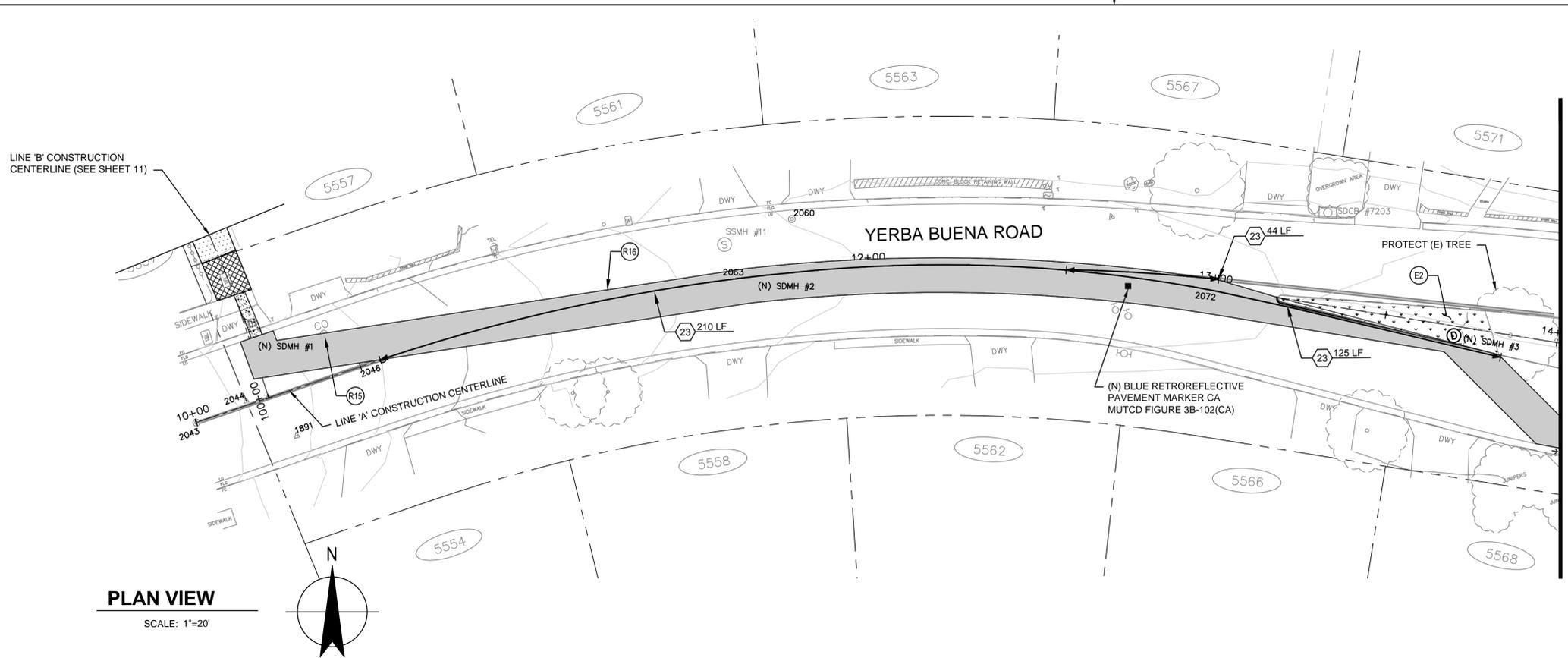
CONTRACT NO. C01801
 SHEET 8 OF 22
 FILE NO. 2015-XXXX

DATE: NOVEMBER 2016
 CHK BY: MGK
 APPROVED: Deputy Director - Engineering
 By: Colleen Ferguson

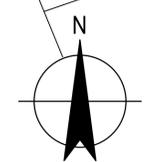
No.	Date	Revision	By

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PLAN VIEW
SCALE: 1"=20'

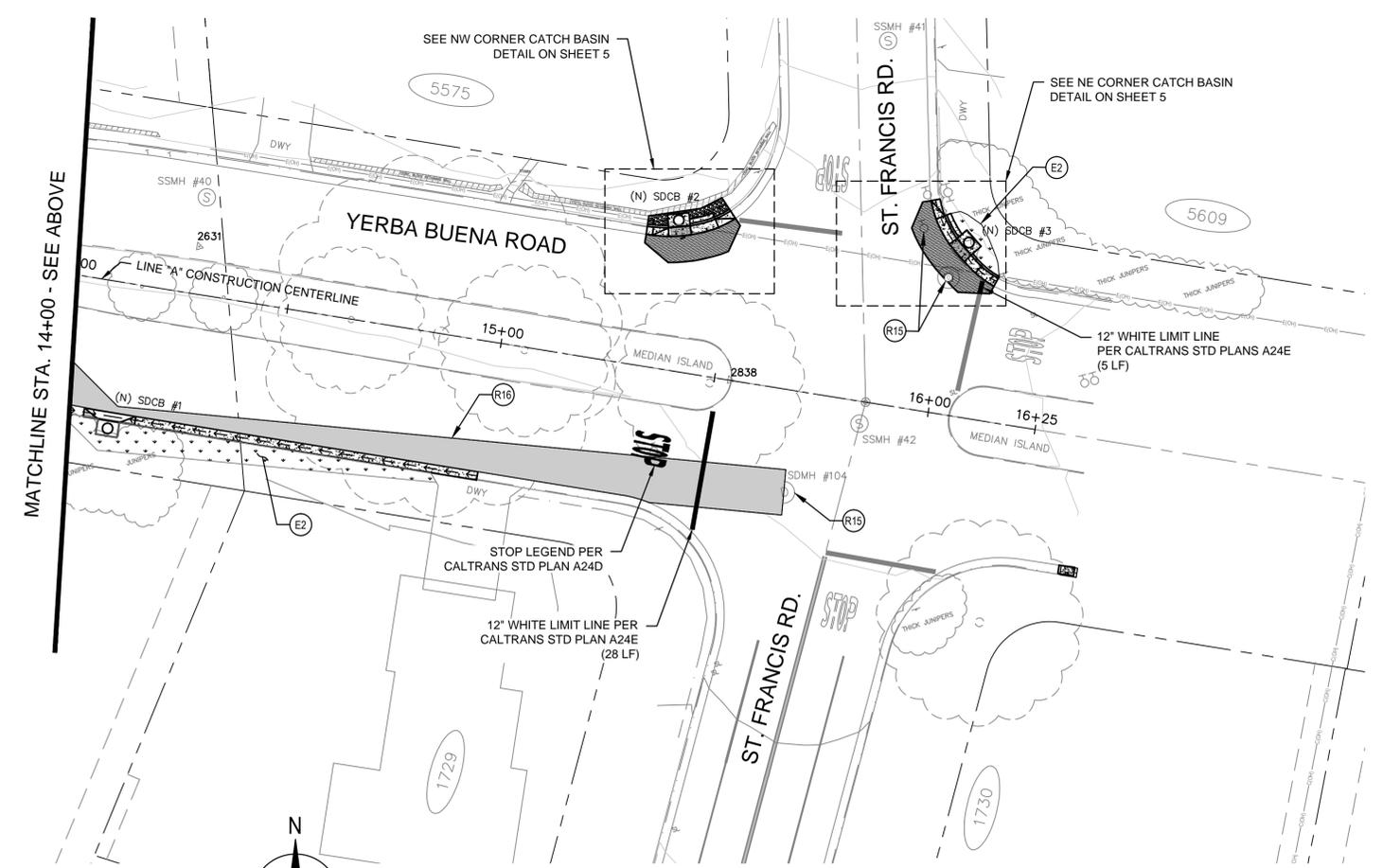


MATCHLINE STA. 14+00 - SEE BELOW

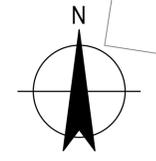
SHEET GENERAL NOTES	
1.	ALL STRIPING AND PAVEMENT MARKING SHALL CONFORM TO THE LATEST EDITION OF THE CALTRANS STANDARD PLANS, CALIFORNIA MUTCD AND CITY OF SANTA ROSA STREET TRAFFIC STANDARDS.
2.	PROPOSED STRIPING AND MARKING SHALL BE INSTALLED THE SAME DAY AS THE REMOVAL OF THE EXISTING STRIPING AND MARKINGS. IF NOT, CONTRACTOR SHALL PROVIDE TEMPORARY PAVEMENT MARKERS UNTIL PROPOSED STRIPING AND MARKING ARE INSTALLED.
3.	THE CONTRACTOR SHALL NOTIFY THE CITY TRAFFIC ENGINEER A MINIMUM OF 48 HOURS PRIOR TO THE DAY OF LAYOUT OF THE PROPOSED STRIPING.
SHEET LEGEND	
PROVIDE STRIPING PER DETAIL XX AS SHOWN ON A20A - A20D OF CALTRANS STANDARD PLANS	
	(N) TRAFFIC STRIPE
	BEGIN/END TRAFFIC STRIPE
CONSTRUCTION KEYNOTES	
	PROVIDE TEMPORARY EROSION CONTROL. RESTORE ALL AREAS DISTURBED DURING CONSTRUCTION.
	ADJUST UTILITY COVER TO GRADE.
	SAWCUT (E) PAVEMENT. HMA TRENCH SURFACE REPAIR PER DETAIL 4 ON SHEET 22.

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PLAN VIEW
SCALE: 1"=20'



MATCHLINE STA. 14+00 - SEE ABOVE

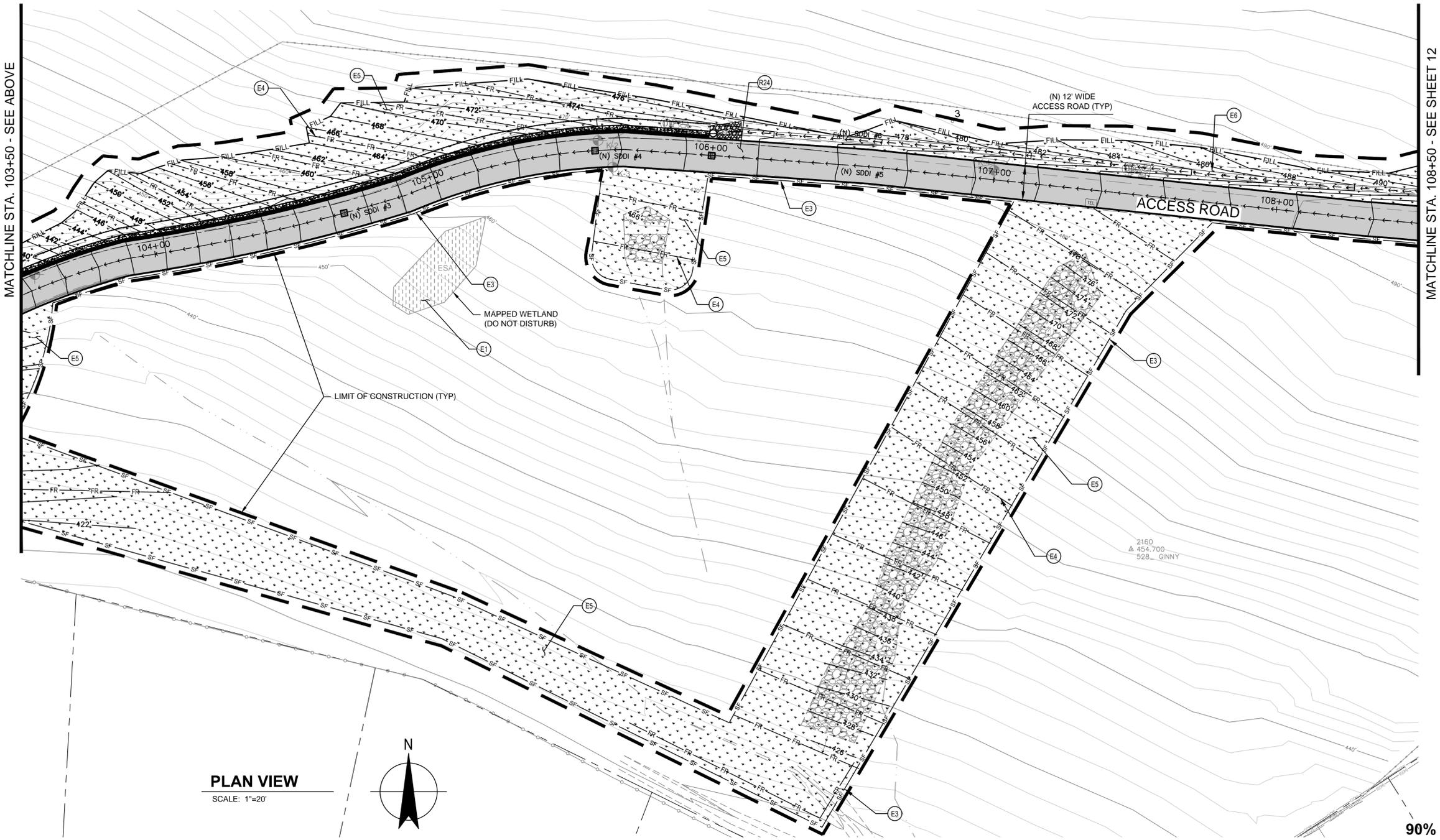
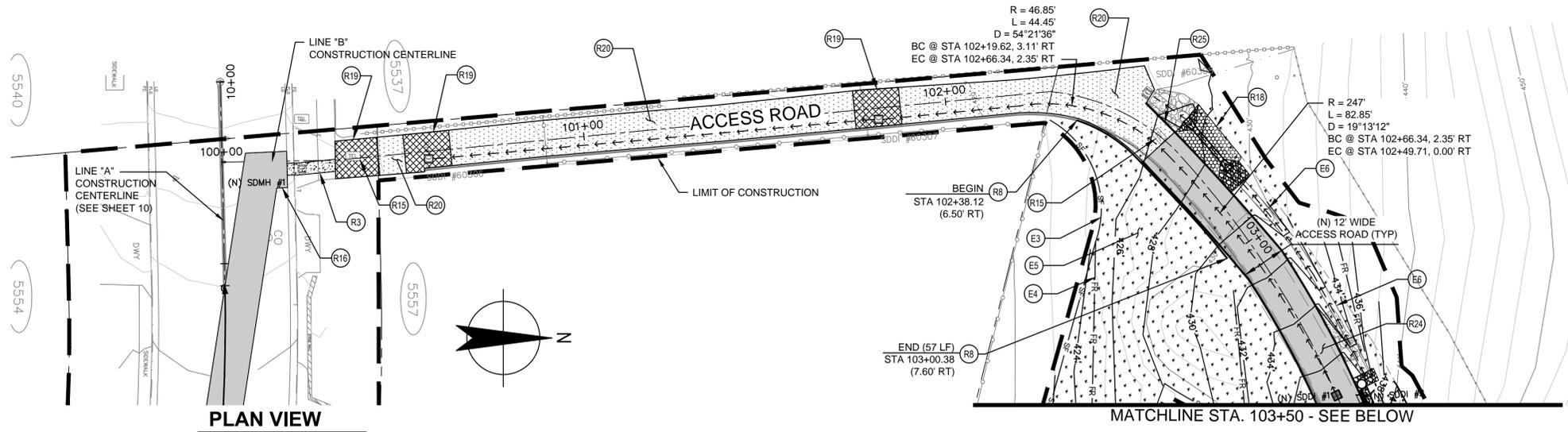
DATE: NOVEMBER 2016	CHK BY: MGK
SCALE: 1"=20'	DWN BY: JC
APPROVED: Deputy Director - Engineering	By: Colleen Ferguson

City of Santa Rosa
**R7 ROAD ACCESS
STABILIZATION REPAIRS**
**SURFACE RESTORATION PLAN
STA. 10+00 TO 16+25**

CONTRACT NO. C01801
SHEET 10 OF 22
FILE NO. 2015-XXXX

90% DESIGN - NOT FOR CONSTRUCTION

R7 ROAD ACCESS STABILIZATION REPAIRS



- CONSTRUCTION KEYNOTES**
- (R3) REMOVE AND REPLACE DRIVEWAY APRON PER CITY STD 205B AND SIDEWALK PER CITY STD 235 AND 237.
 - (R8) REMOVE AND REPLACE (E) HMA DIKE (TYPE A).
 - (R15) ADJUST UTILITY COVER TO GRADE.
 - (R16) SAWCUT (E) PAVEMENT. HMA TRENCH SURFACE REPAIR PER DETAIL 4 ON SHEET 22.
 - (R18) PROVIDE 9' LONG UTILITY ACCESS ROAD OVER (N) SD CULVERT PER CITY STD 216. OMIT REDWOOD STAKES AND HEADERS. SEE RCP CULVERT DETAIL ON SHEET 6.
 - (R19) CONFORM GRIND AND 0.17' OVERLAY CONFORM TO (E) SDDI AND BSW PER DETAIL 4 ON SHEET 21 (CONFORM GRIND DETAIL).
 - (R20) 0.17' HMA OVERLAY. ROAD WIDTH AND SLOPES SHALL MATCH EXISTING.
 - (R24) (N) HMA PAVEMENT SECTION. SEE DETAIL 4 ON SHEET 21.
 - (R25) OVERLAY CONFORM WITH (N) PAVEMENT. SEE DETAIL 4 ON SHEET 21.
 - (E1) CONTRACTOR SHALL NOT ENCRoACH ON DESIGNATED WETLAND AREA.
 - (E3) INSTALL TEMPORARY SILT FENCE PER CALTRANS STD PLAN T51.
 - (E4) INSTALL FIBER ROLL (TYPE 1) PER CALTRANS STD PLAN H51. SPACE EVENLY AT 15' TO 20' O.C.
 - (E5) HYDROSEED AND INSTALL RECP PER CALTRANS STD PLAN H52.
 - (E6) TRAPEZOIDAL VEGETATIVE DRAINAGE SWALE EROSION CONTROL. SEE DETAIL 3 ON SHEET 22.

City of Santa Rosa
R7 ROAD ACCESS STABILIZATION REPAIRS
SURFACE RESTORATION PLAN
STA. 100+00 TO 108+50

CONTRACT NO. C01801

SHEET 11 OF 22

FILE NO. 2015-XXXX

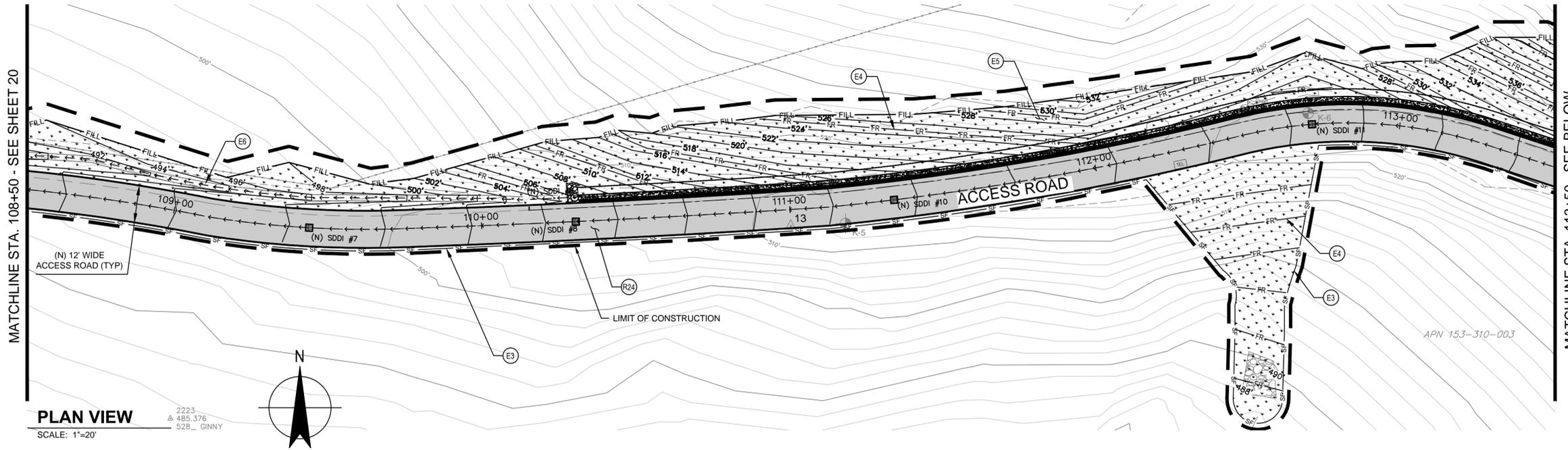
DATE: NOVEMBER 2016
CHK BY: MGK
APPROVED: Deputy Director - Engineering
By: Colleen Ferguson Date: _____

No.	Date	Revision	By

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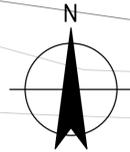
90% DESIGN - NOT FOR CONSTRUCTION



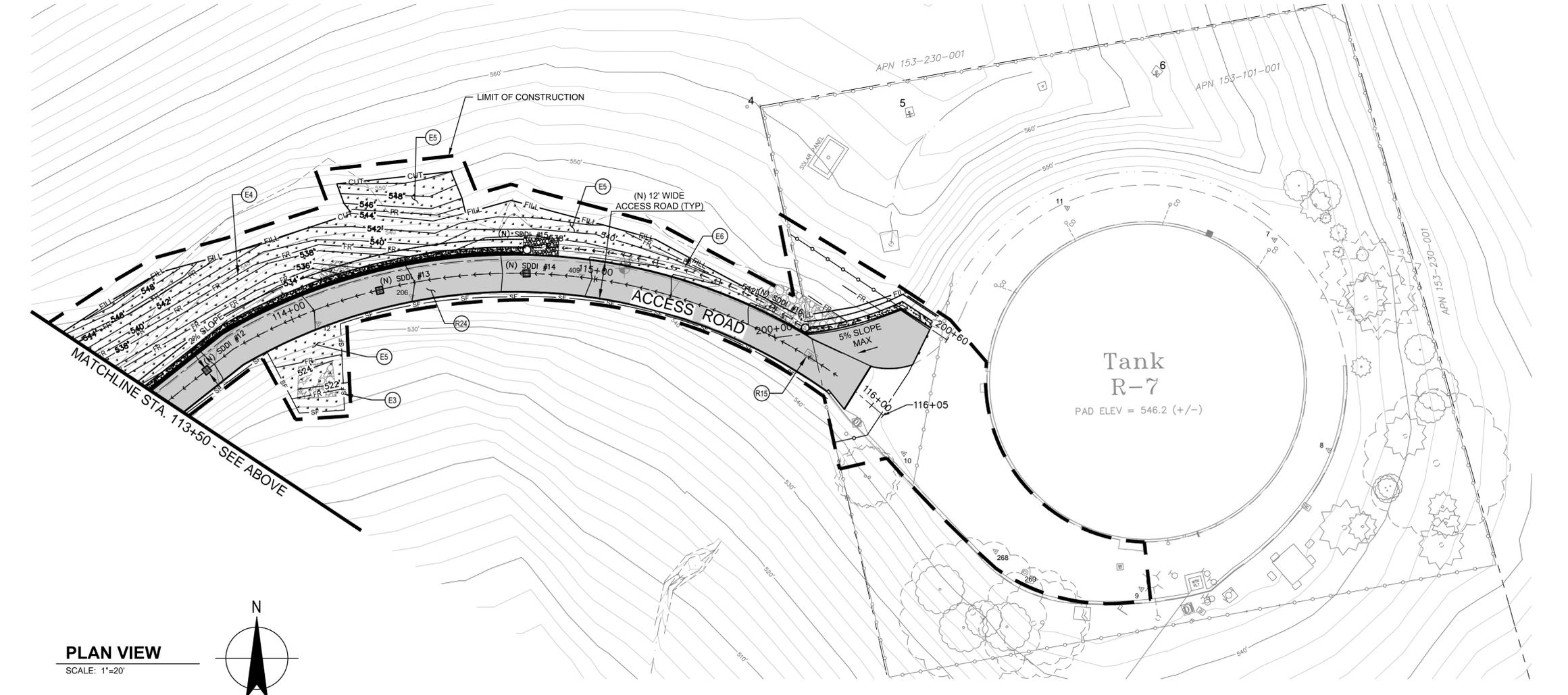
PLAN VIEW

SCALE: 1"=20'

2223
 Δ 485.376
 528. GINNY

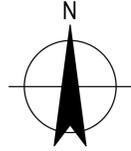


- CONSTRUCTION KEYNOTES**
- (R15) ADJUST UTILITY TO GRADE.
 - (R24) (N) HMA PAVEMENT SECTION. SEE DETAIL 4 ON SHEET 21.
 - (E3) INSTALL TEMPORARY SILT FENCE PER CALTRANS STD PLAN T51.
 - (E4) INSTALL FIBER ROLL (TYPE 1) PER CALTRANS STD PLAN H51. SPACE EVENLY AT 15' TO 20' O.C.
 - (E5) HYDROSEED AND INSTALL RECP PER CALTRANS STD PLAN H52.
 - (E6) TRAPEZOIDAL VEGETATIVE DRAINAGE SWALE EROSION CONTROL. SEE DETAIL 3 ON SHEET 22.



PLAN VIEW

SCALE: 1"=20'



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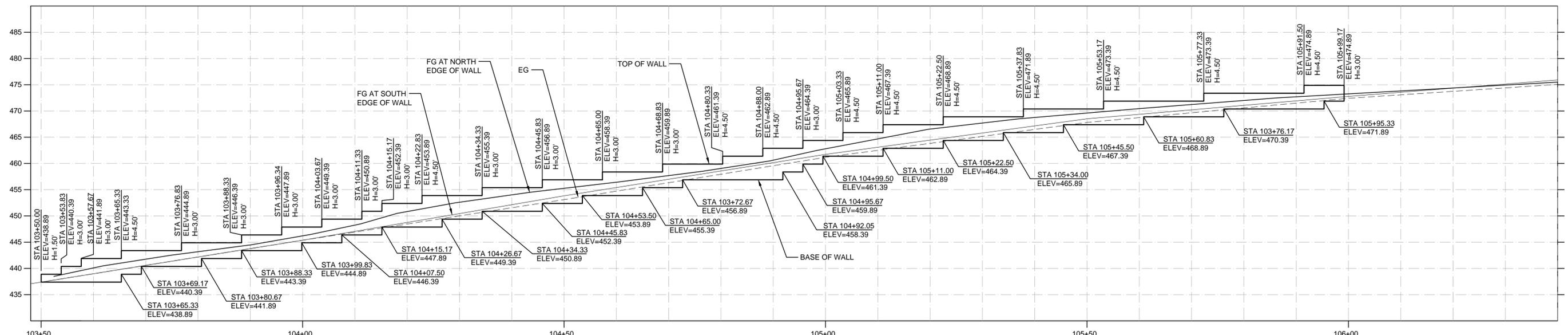
No.	Date	Revision	By

DATE: NOVEMBER 2016
 CHK BY: MGK
 DWN BY: JC
 APPROVED: Deputy Director - Engineering
 By: Colleen Ferguson Date: _____

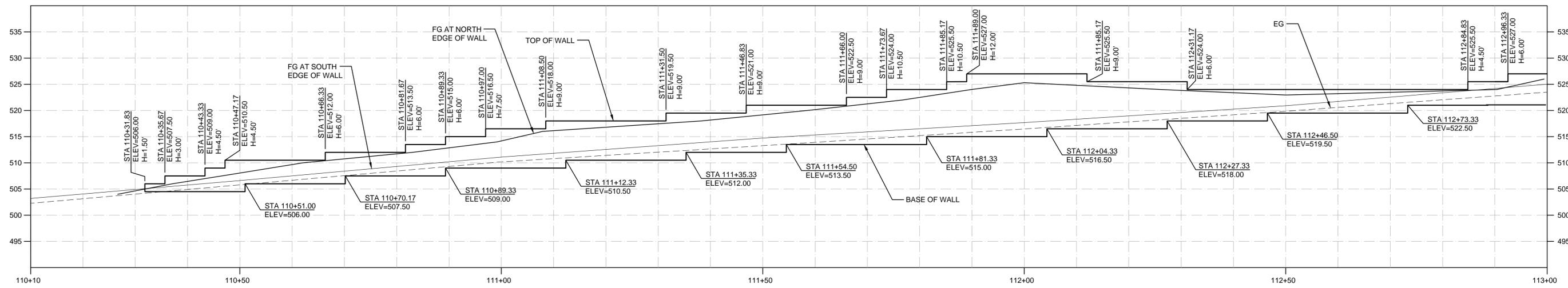
City of Santa Rosa
R7 ROAD ACCESS STABILIZATION REPAIRS
SURFACE RESTORATION PLAN
STA. 108+50 TO 116+00

CONTRACT NO. C01801
 SHEET 12 OF 22
 FILE NO. 2015-XXXX

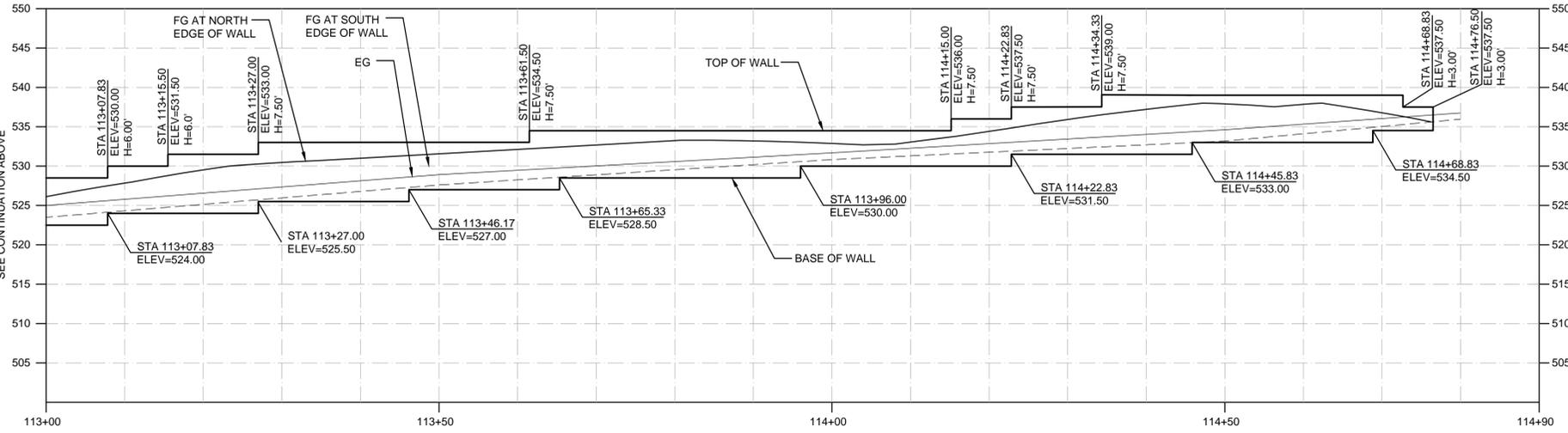
90% DESIGN - NOT FOR CONSTRUCTION



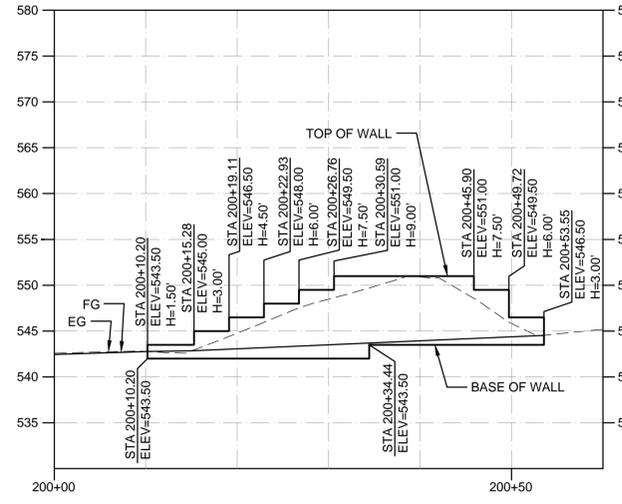
RETAINING WALL NO. 1 PROFILE
 STA 103+50 TO STA 106+50
 SCALE 1"=10'



RETAINING WALL NO. 2 PROFILE
 STA 110+31.83 TO STA 113+00
 SCALE 1"=10'



RETAINING WALL NO. 2 PROFILE
 STA 113+00 TO STA 114+76.50
 SCALE 1"=10'



RETAINING WALL NO. 3 SECTION
 STA 200+10 TO 200+53
 SCALE 1"=10'

SHEET GENERAL NOTES

1. RETAINING WALL SHALL BE A PREFABRICATED MODULAR GRAVITY RETAINING WALL. SEE TYPICAL WALL DETAILS ON SHEET 21.
2. ALL HEIGHTS SHOWN ARE TOTAL WALL HEIGHTS FROM BASE OF BOTTOM WALL BLOCK TO TOP OF WALL. EXPOSED WALL HEIGHTS SHALL NOT BE GREATER THAN 9-FT.
3. WALL DESIGN, INCLUDING DEPTH AND EXTENT OF FOOTING SHALL BE SUBMITTED TO CITY FOR REVIEW AND APPROVAL.

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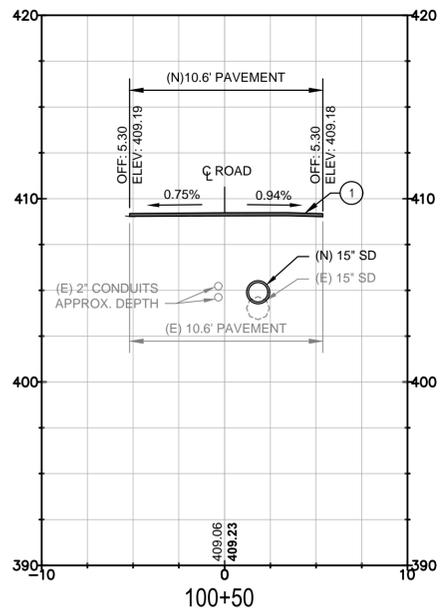
No.	Date	Revision	By

City of Santa Rosa
R7 ROAD ACCESS STABILIZATION REPAIRS
RETAINING WALL ELEVATIONS

DATE: NOVEMBER 2016
 DWN BY: JC/ CB
 CHK BY: MGK
 APPROVED: Deputy Director - Engineering

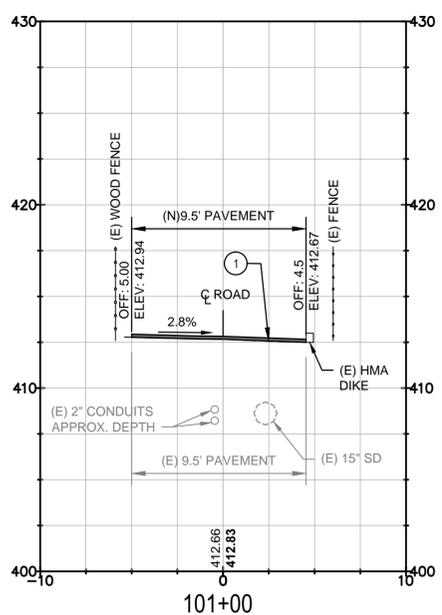
By: Colleen Ferguson
 Date: _____

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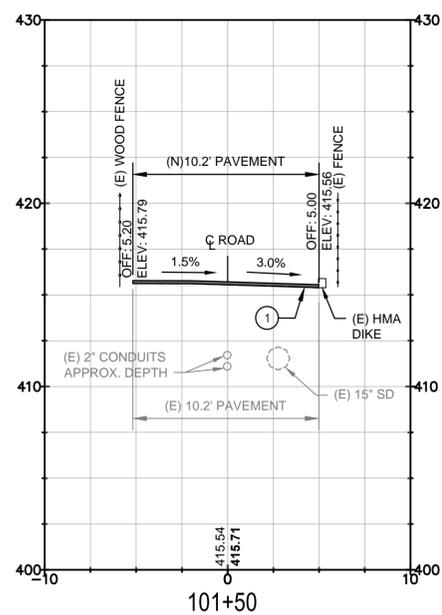
KEYNOTES

- ① OVERLAY (E) ROAD WITH 0.17' HMA.



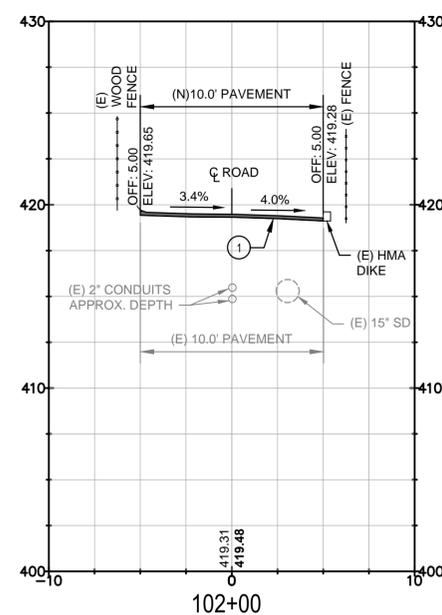
KEYNOTES

- ① OVERLAY (E) ROAD WITH 0.17' HMA.



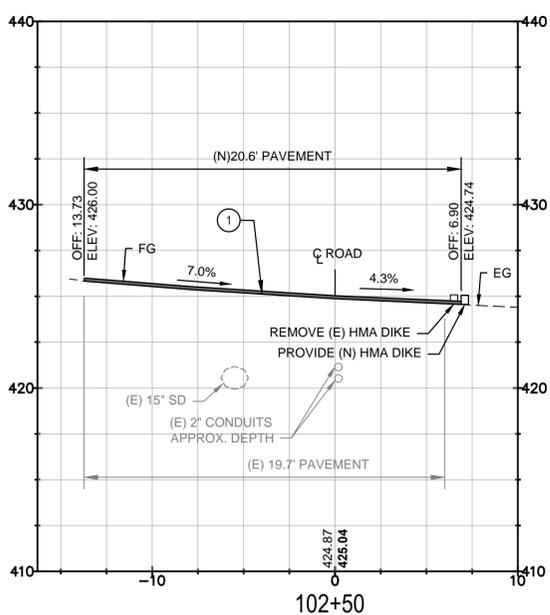
KEYNOTES

- ① OVERLAY (E) ROAD WITH 0.17' HMA.



KEYNOTES

- ① OVERLAY (E) ROAD WITH 0.17' HMA.



KEYNOTES

- ① OVERLAY (E) ROAD WITH 0.17' HMA.

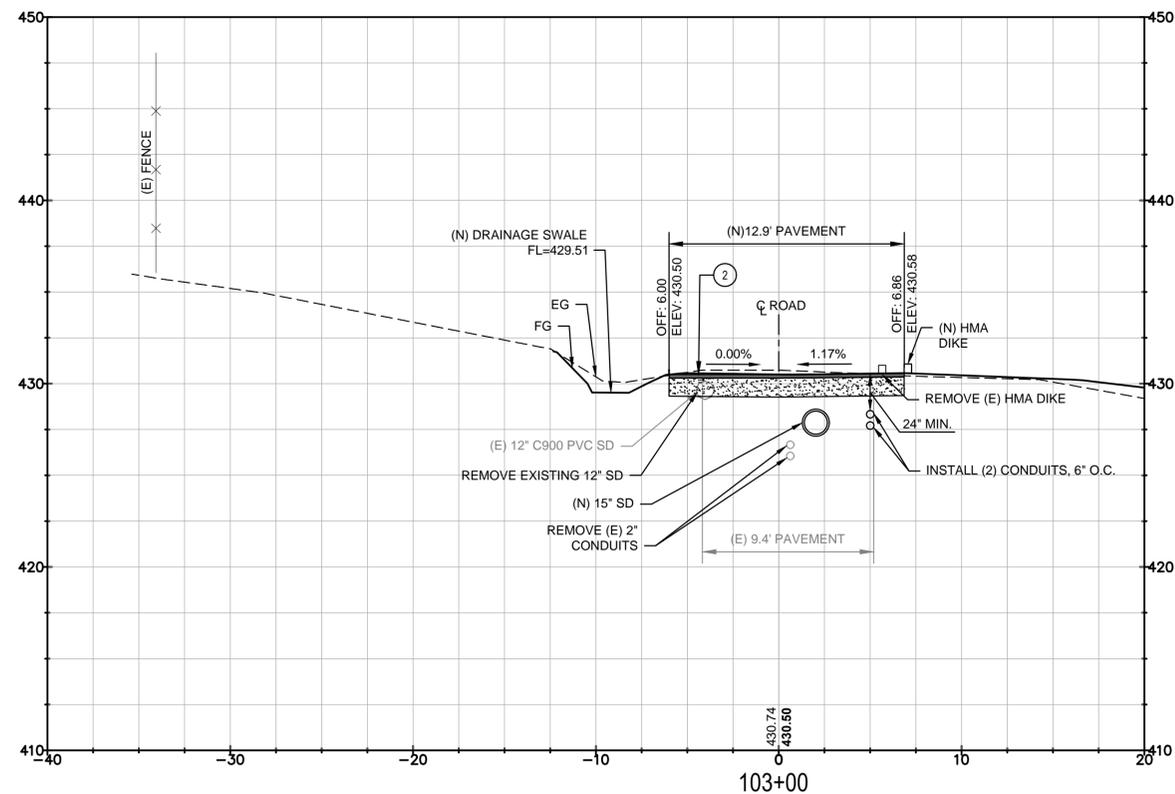
1 CROSS SECTION AT STATION 100+50

2 CROSS SECTION AT STATION 101+00

3 CROSS SECTION AT STATION 101+50

4 CROSS SECTION AT STATION 102+00

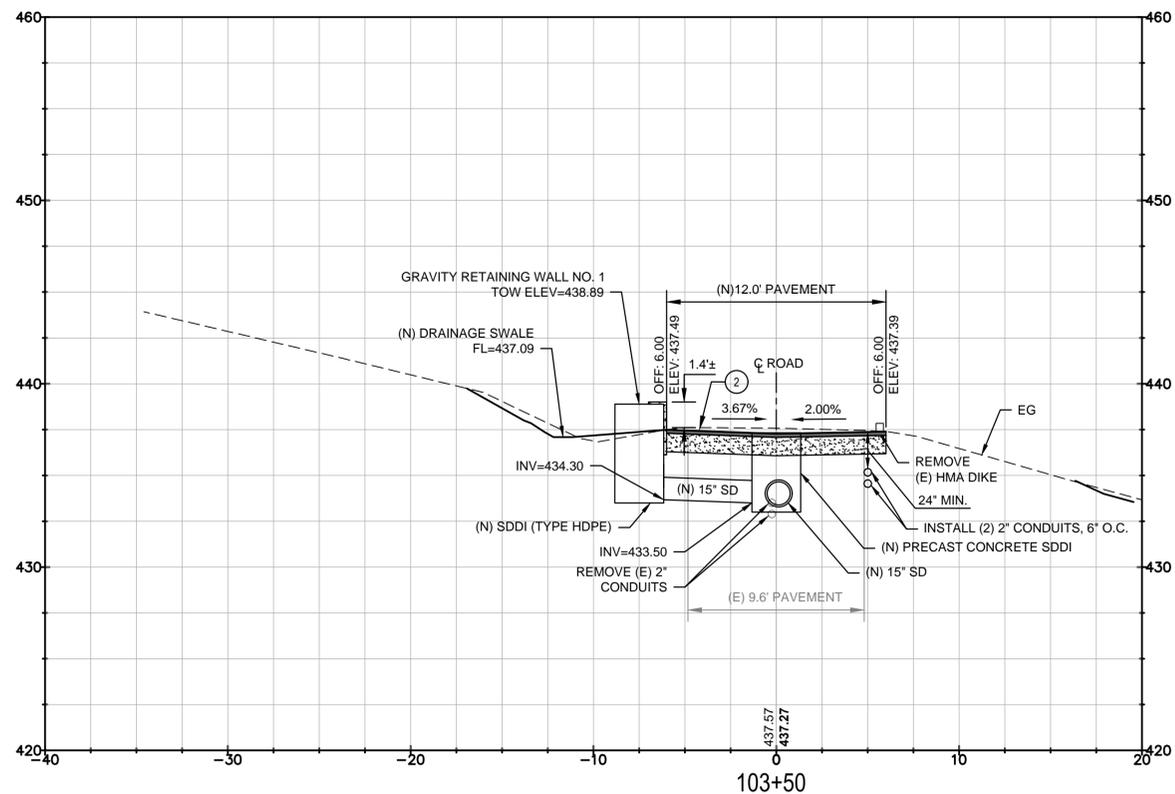
5 CROSS SECTION AT STATION 102+50



KEYNOTES

- ② (N) HMA PAVEMENT SECTION. SEE DETAIL 4 ON SHEET 21.

6 CROSS SECTION AT STATION 103+00



KEYNOTES

- ② (N) HMA PAVEMENT SECTION. SEE DETAIL 4 ON SHEET 21.

7 CROSS SECTION AT STATION 103+50

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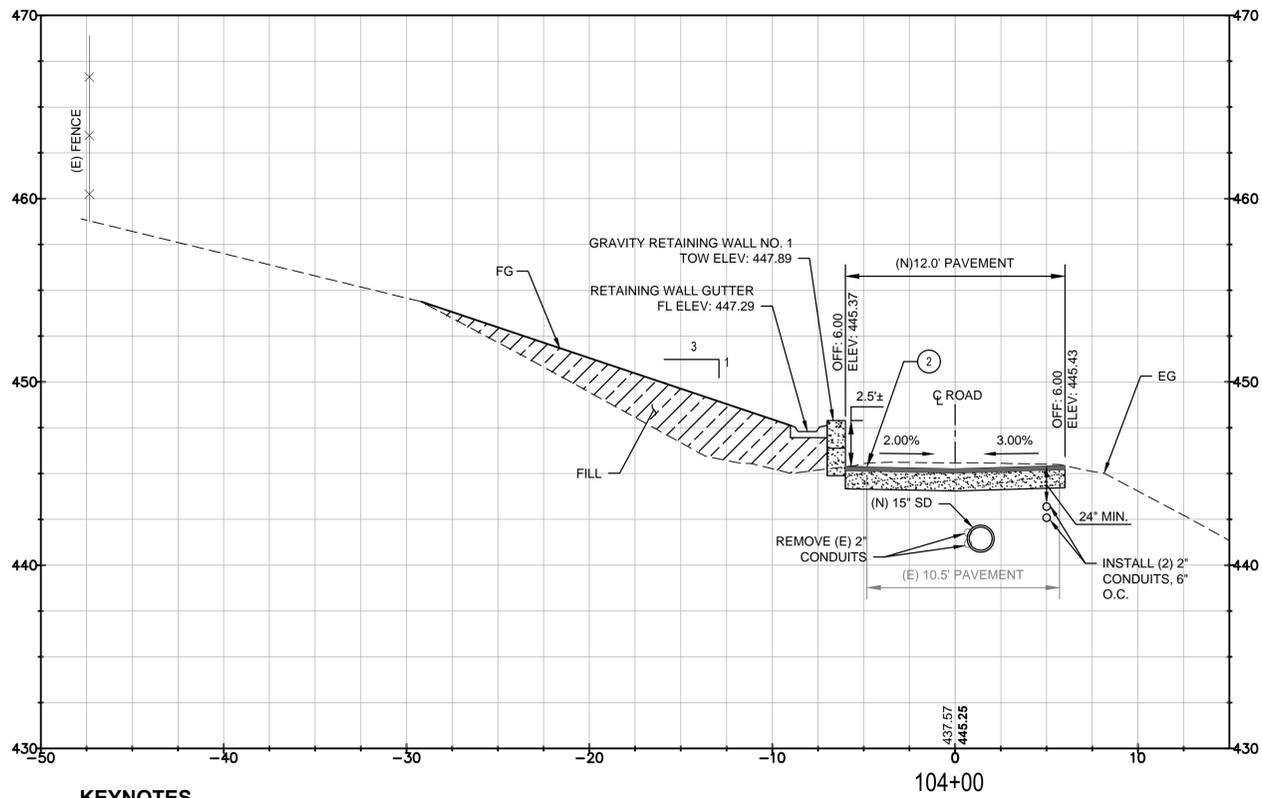


No.	Date	Revision	By

SCALE: H: 1"=5' V: 1"=5'	DATE: NOVEMBER 2016
DWN BY: JC	CHK BY: MGK
APPROVED: Deputy Director - Engineering	By: Colleen Ferguson

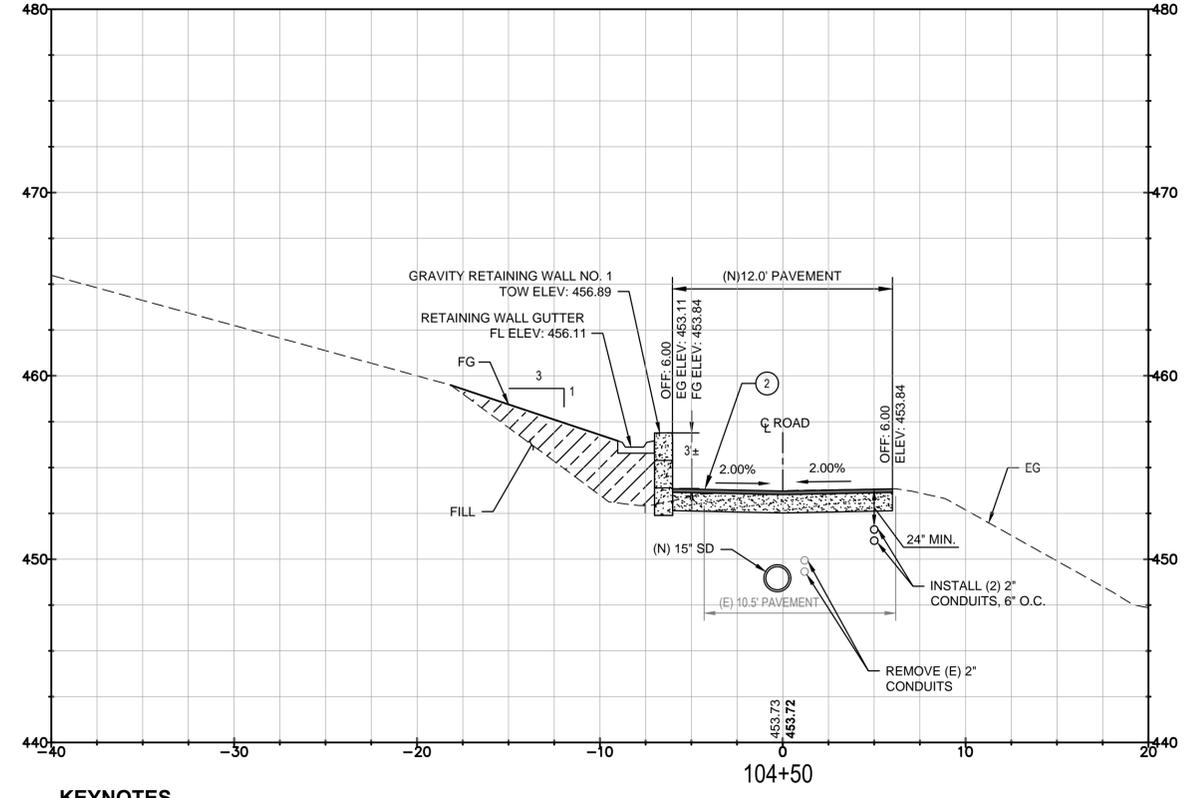
City of Santa Rosa
R7 ROAD ACCESS STABILIZATION REPAIRS
R7 ACCESS ROAD CROSS SECTIONS STA. 100+00 TO 103+50
R7 ROAD ACCESS STABILIZATION REPAIRS

CONTRACT NO. C01801
SHEET 14 OF 22
FILE NO. 2015-XXXX



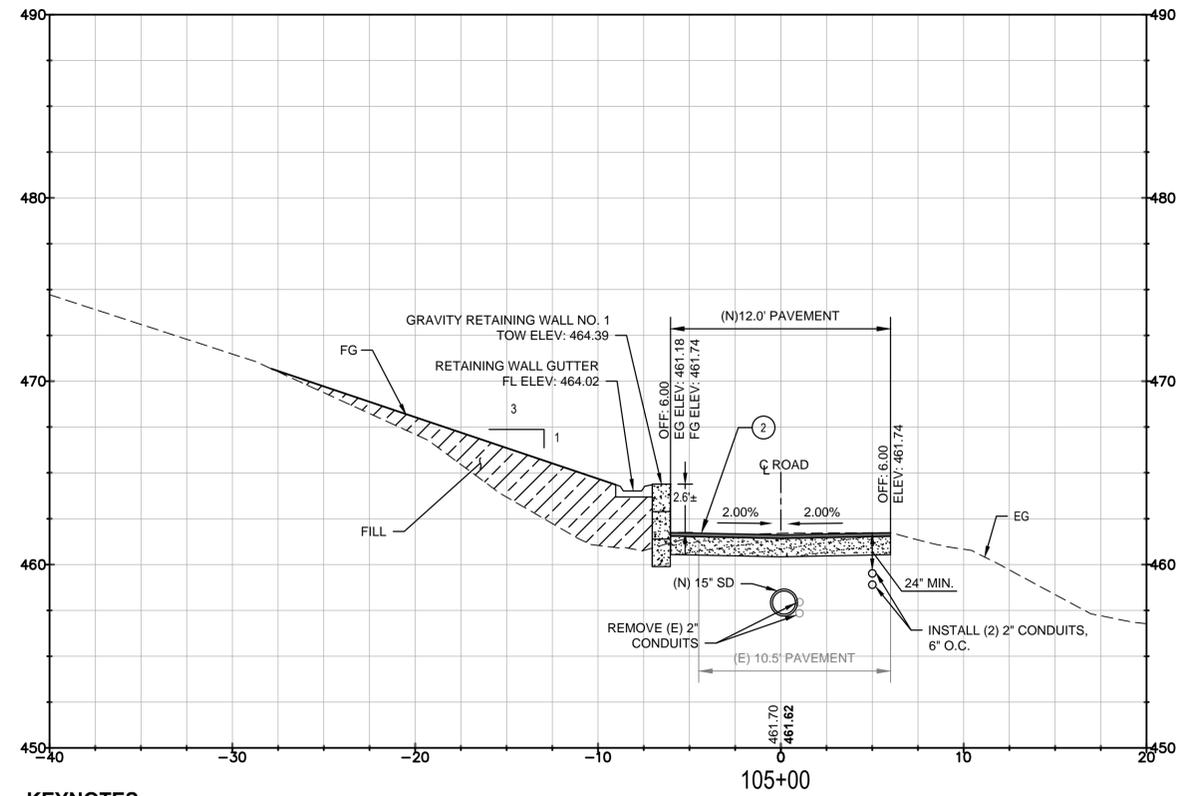
KEYNOTES
 (2) (N) HMA PAVEMENT SECTION.
 SEE DETAIL 4 ON SHEET 21.

1 CROSS SECTION AT STATION 104+00



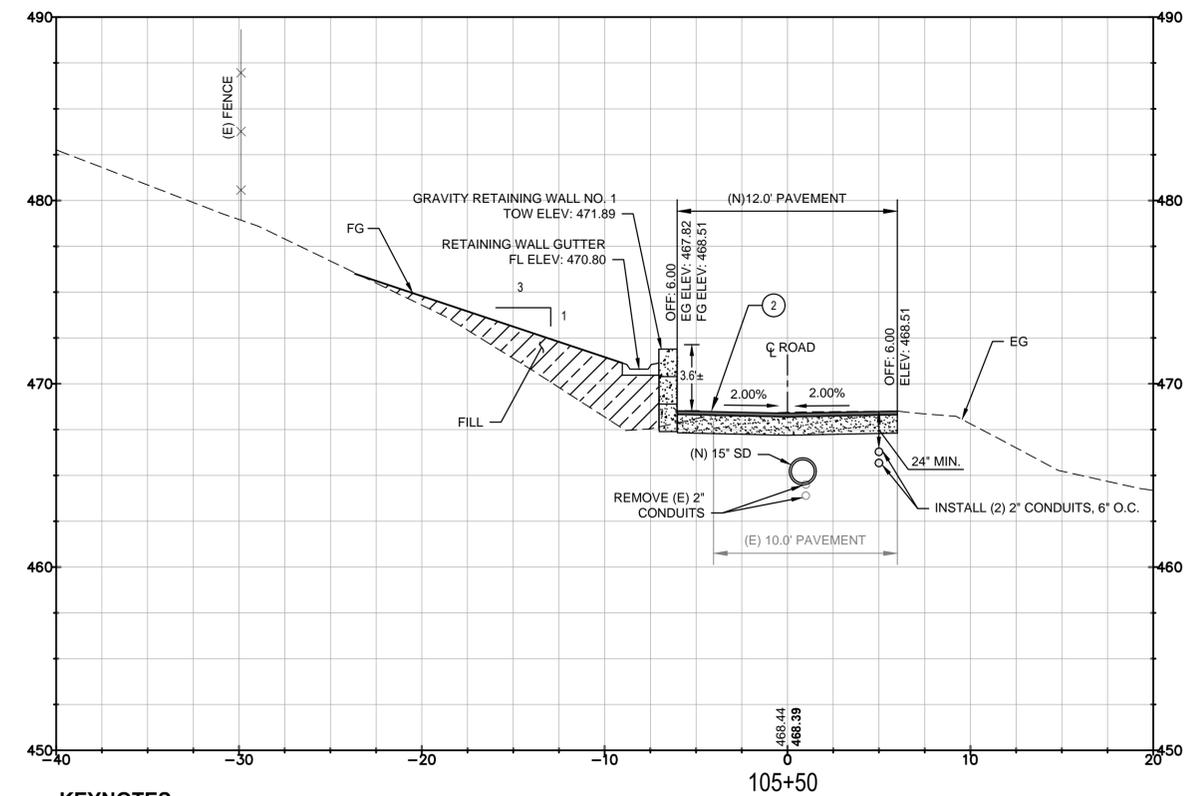
KEYNOTES
 (2) (N) HMA PAVEMENT SECTION.
 SEE DETAIL 4 ON SHEET 21.

2 CROSS SECTION AT STATION 104+50



KEYNOTES
 (2) (N) HMA PAVEMENT SECTION.
 SEE DETAIL 4 ON SHEET 21.

3 CROSS SECTION AT STATION 105+00



KEYNOTES
 (2) (N) HMA PAVEMENT SECTION.
 SEE DETAIL 4 ON SHEET 21.

4 CROSS SECTION AT STATION 105+50

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No.	Date	Revision	By

SCALE: H: 1"=5'
 V: 1"=5'
 DATE: NOVEMBER 2016
 DWN BY: JC
 CHK BY: MGK
 APPROVED: Deputy Director - Engineering
 By: Colleen Ferguson

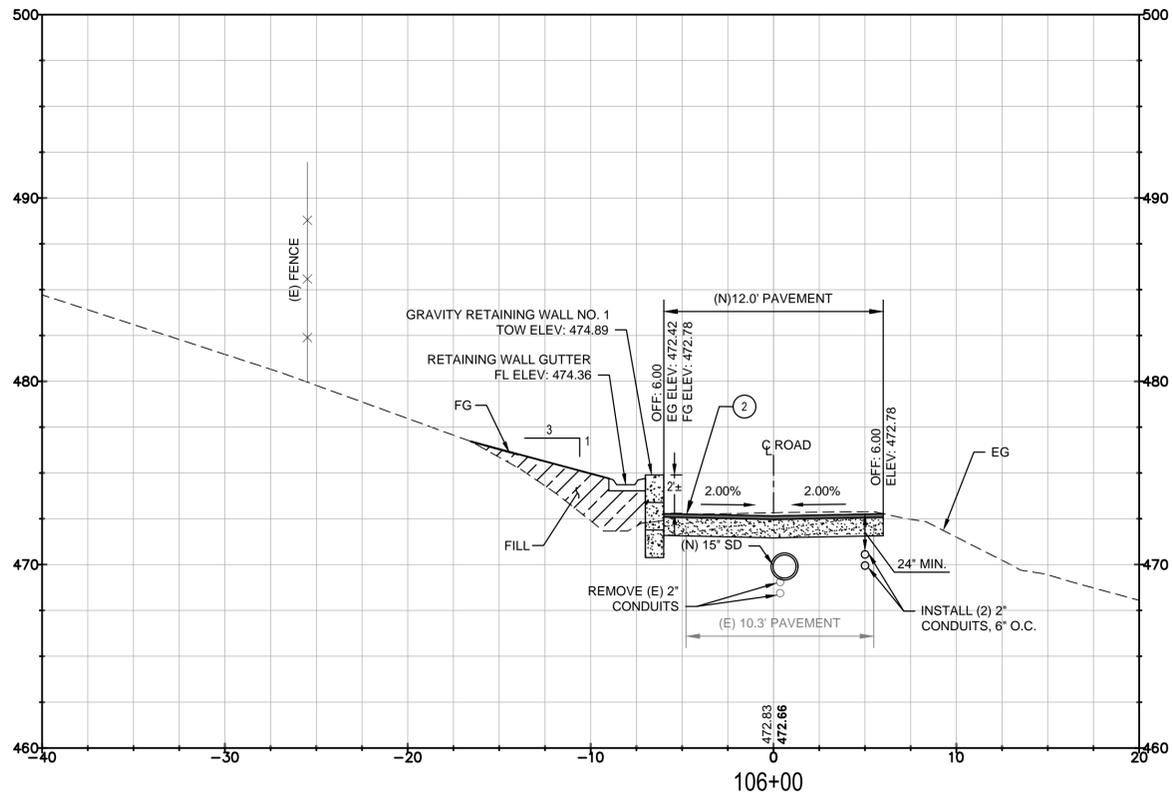
City of Santa Rosa
**R7 ROAD ACCESS
 STABILIZATION REPAIRS**
**R7 ACCESS ROAD CROSS SECTIONS
 STA. 104+00 TO 105+50**

CONTRACT NO.
 C01801

SHEET 15 OF 22
 FILE NO. 2015-XXXX

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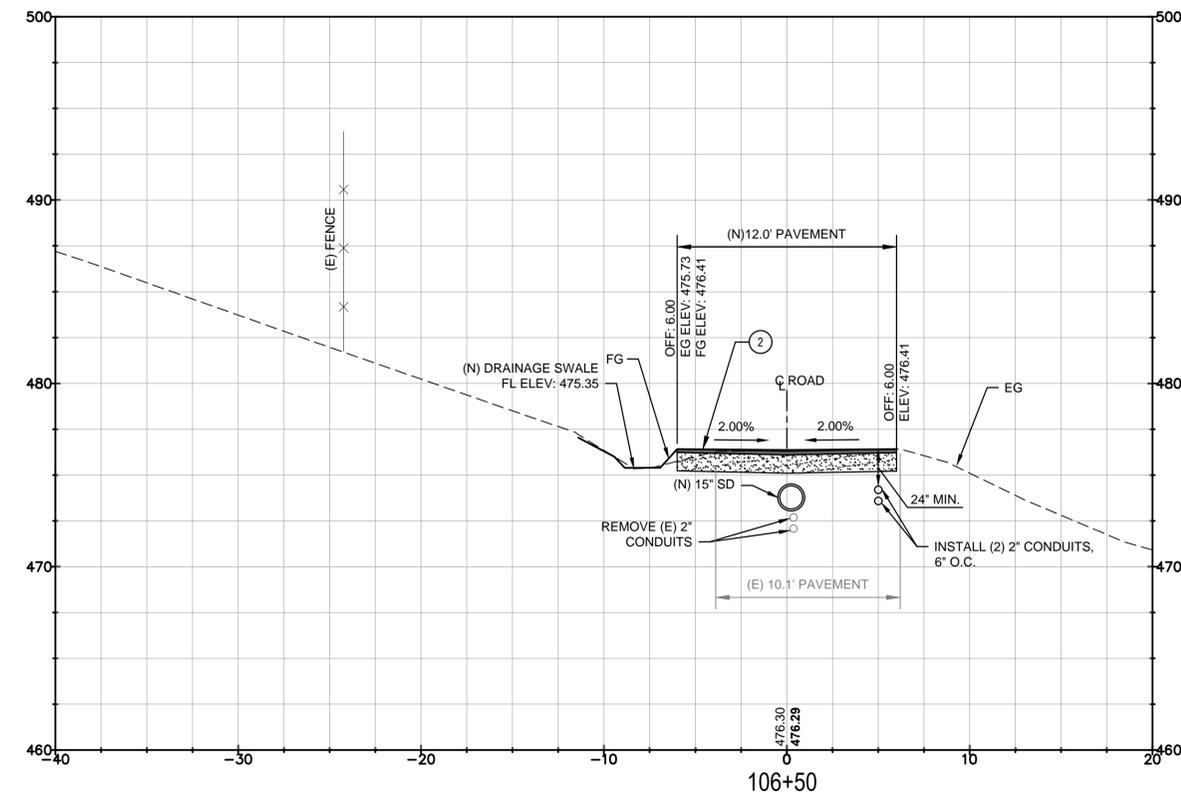
R7 ROAD ACCESS STABILIZATION REPAIRS



KEYNOTES
② (N) HMA PAVEMENT SECTION.
SEE DETAIL 4 ON SHEET 21.

1 CROSS SECTION AT STATION 106+00

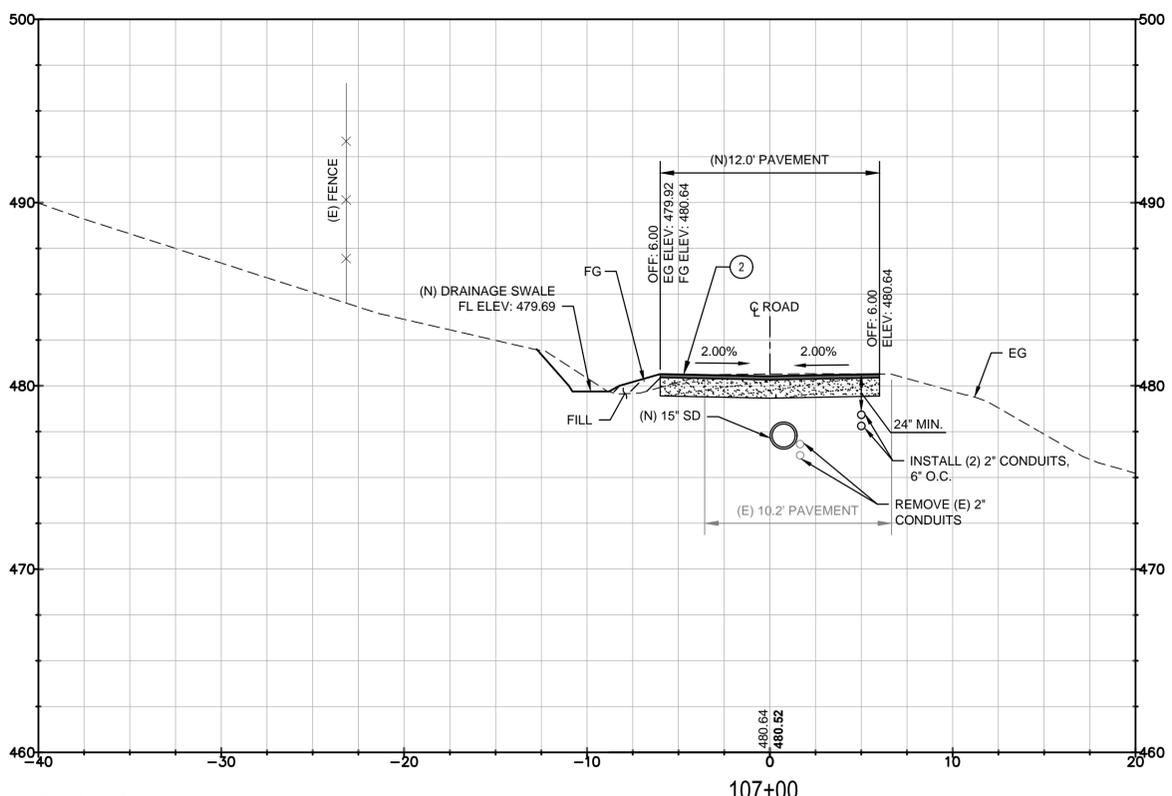
1" = 5'



KEYNOTES
② (N) HMA PAVEMENT SECTION.
SEE DETAIL 4 ON SHEET 21.

2 CROSS SECTION AT STATION 106+50

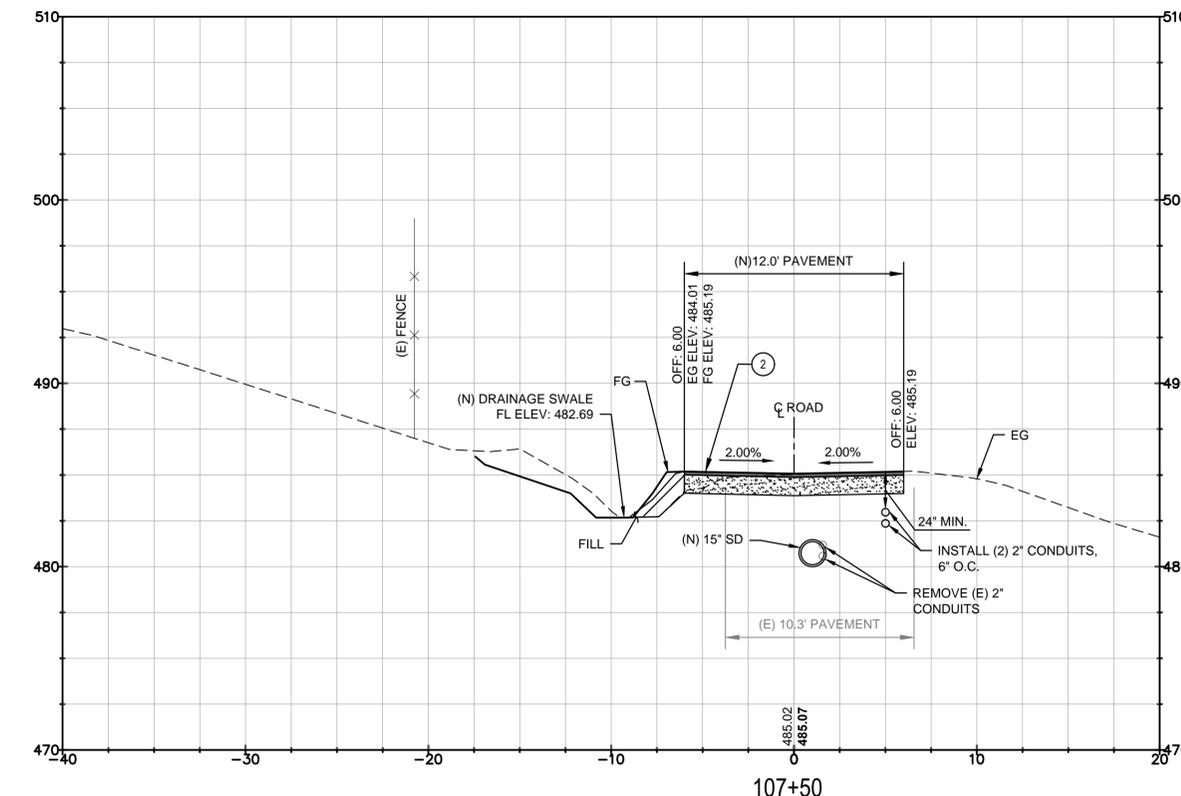
1" = 5'



KEYNOTES
② (N) HMA PAVEMENT SECTION.
SEE DETAIL 4 ON SHEET 21.

3 CROSS SECTION AT STATION 107+00

1" = 5'



KEYNOTES
② (N) HMA PAVEMENT SECTION.
SEE DETAIL 4 ON SHEET 21.

4 CROSS SECTION AT STATION 107+50

1" = 5'

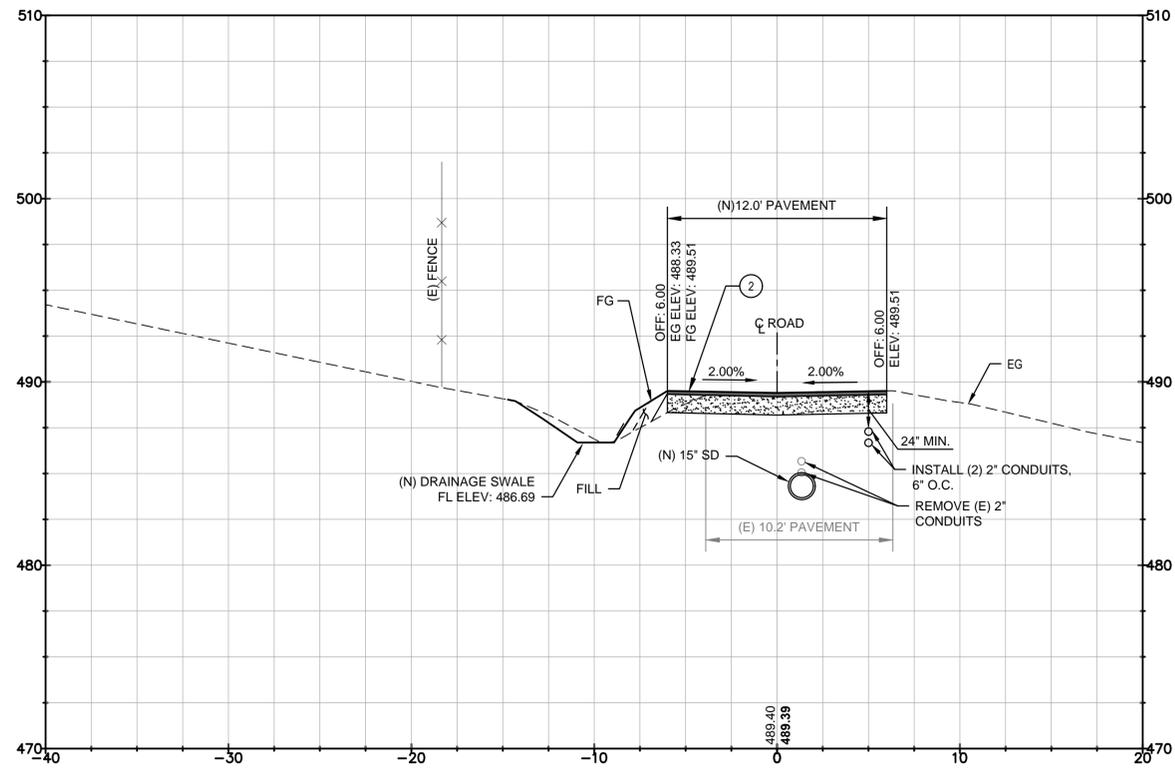
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No.	Revision
Date	By

City of Santa Rosa	DATE: NOVEMBER 2016
R7 ROAD ACCESS STABILIZATION REPAIRS	CHK BY: MGK
R7 ACCESS ROAD CROSS SECTIONS STA. 106+00 TO 107+50	APPROVED: Deputy Director - Engineering
By: Colleen Ferguson	Date: _____

CONTRACT NO. C01801
SHEET 16 OF 22
FILE NO. 2015-XXXX

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R7 ROAD ACCESS STABILIZATION REPAIRS

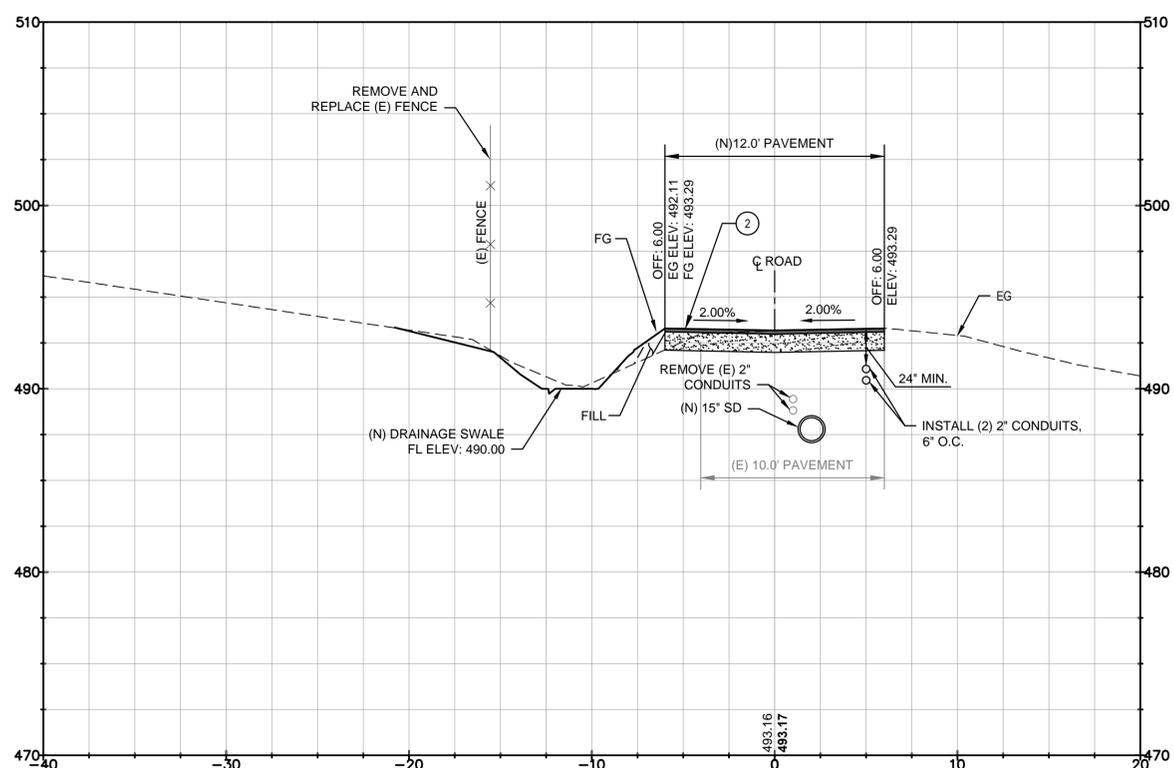


KEYNOTES

② (N) HMA PAVEMENT SECTION. SEE DETAIL 4 ON SHEET 21.

1 CROSS SECTION AT STATION 108+00

1" = 5'

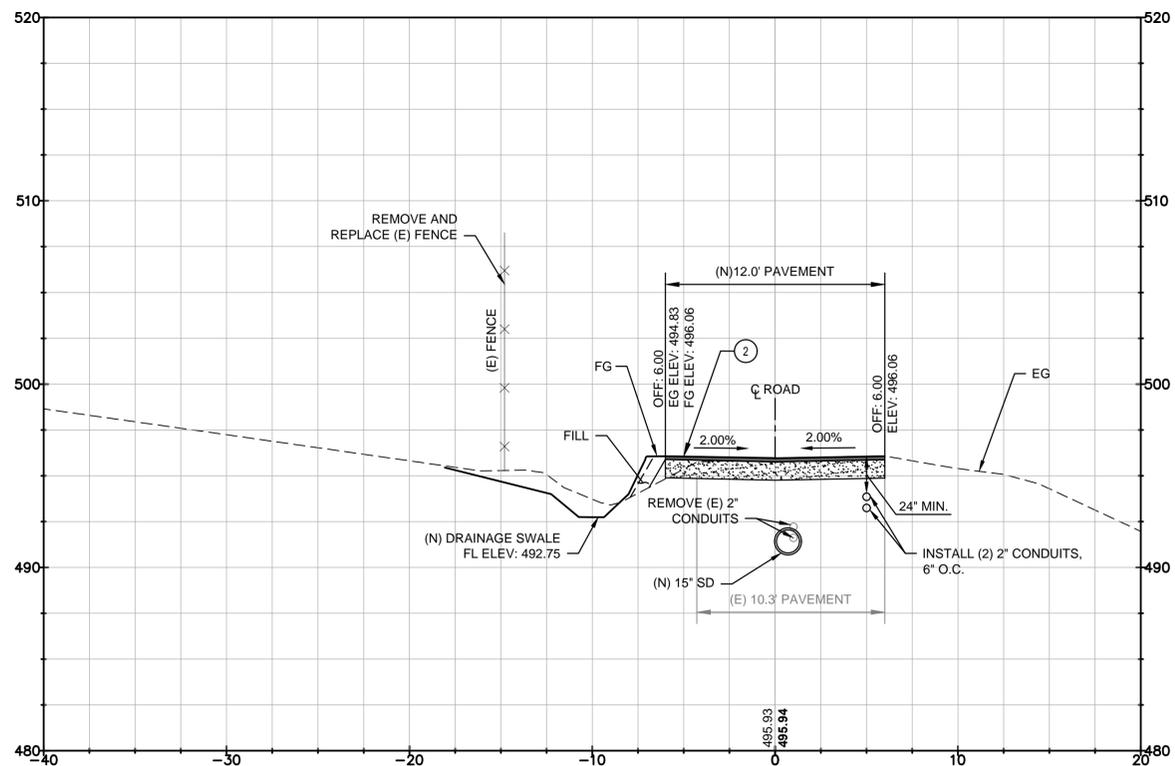


KEYNOTES

② (N) HMA PAVEMENT SECTION. SEE DETAIL 4 ON SHEET 21.

2 CROSS SECTION AT STATION 108+50

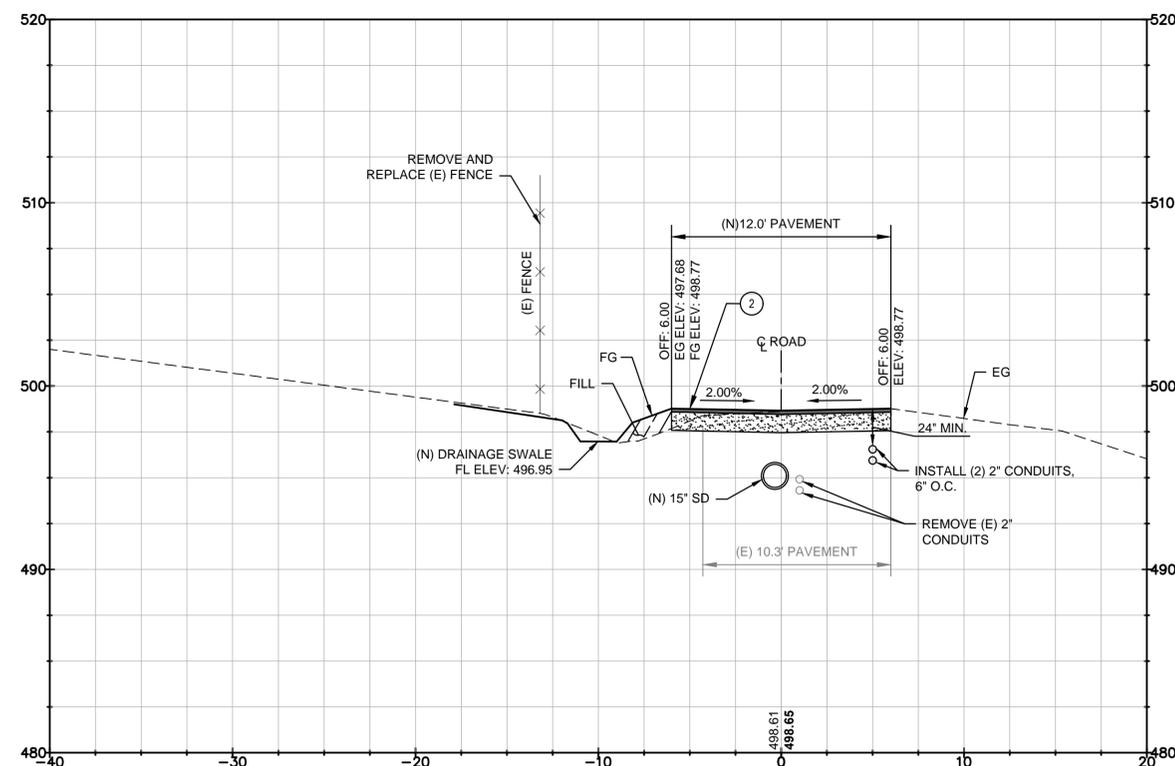
1" = 5'



KEYNOTES

② (N) HMA PAVEMENT SECTION. SEE DETAIL 4 ON SHEET 21.

3 CROSS SECTION AT STATION 109+00



KEYNOTES

② (N) HMA PAVEMENT SECTION. SEE DETAIL 4 ON SHEET 21.

4 CROSS SECTION AT STATION 109+50

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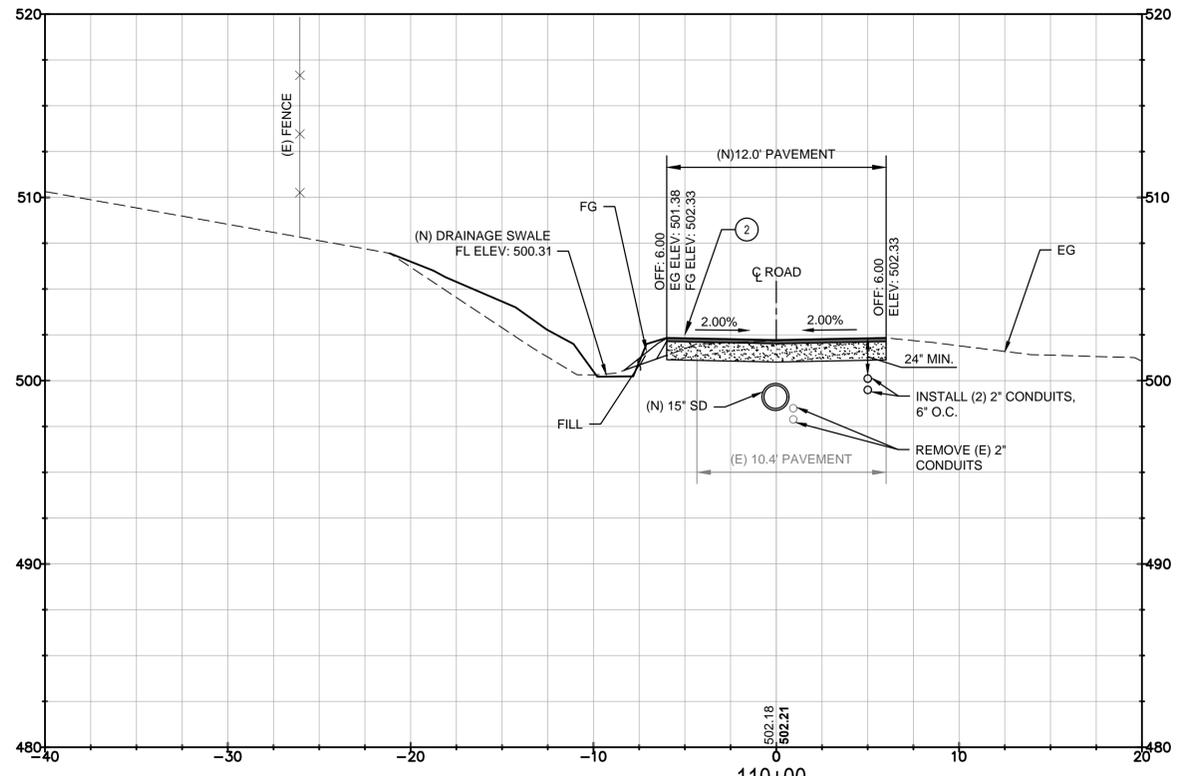


No.	Date	Revision	By

SCALE: H: 1"=5' V: 1"=5'
DATE: NOVEMBER 2016
DWN BY: JC CHK BY: MGK
APPROVED: Deputy Director - Engineering
By: Colleen Ferguson Date: _____

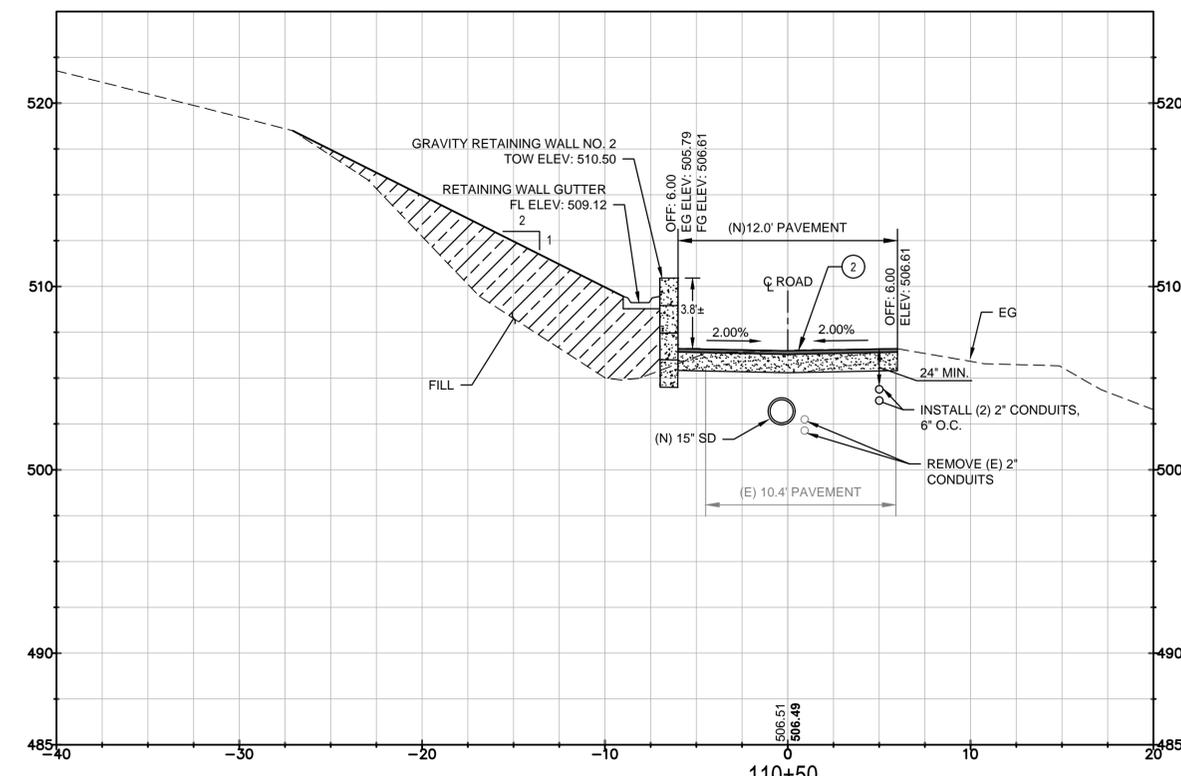
City of Santa Rosa
R7 ROAD ACCESS STABILIZATION REPAIRS
R7 ACCESS ROAD CROSS SECTIONS STA. 108+00 TO 109+50
R7 ROAD ACCESS STABILIZATION REPAIRS

CONTRACT NO. C01801
SHEET 17 OF 22
FILE NO. 2015-XXXX



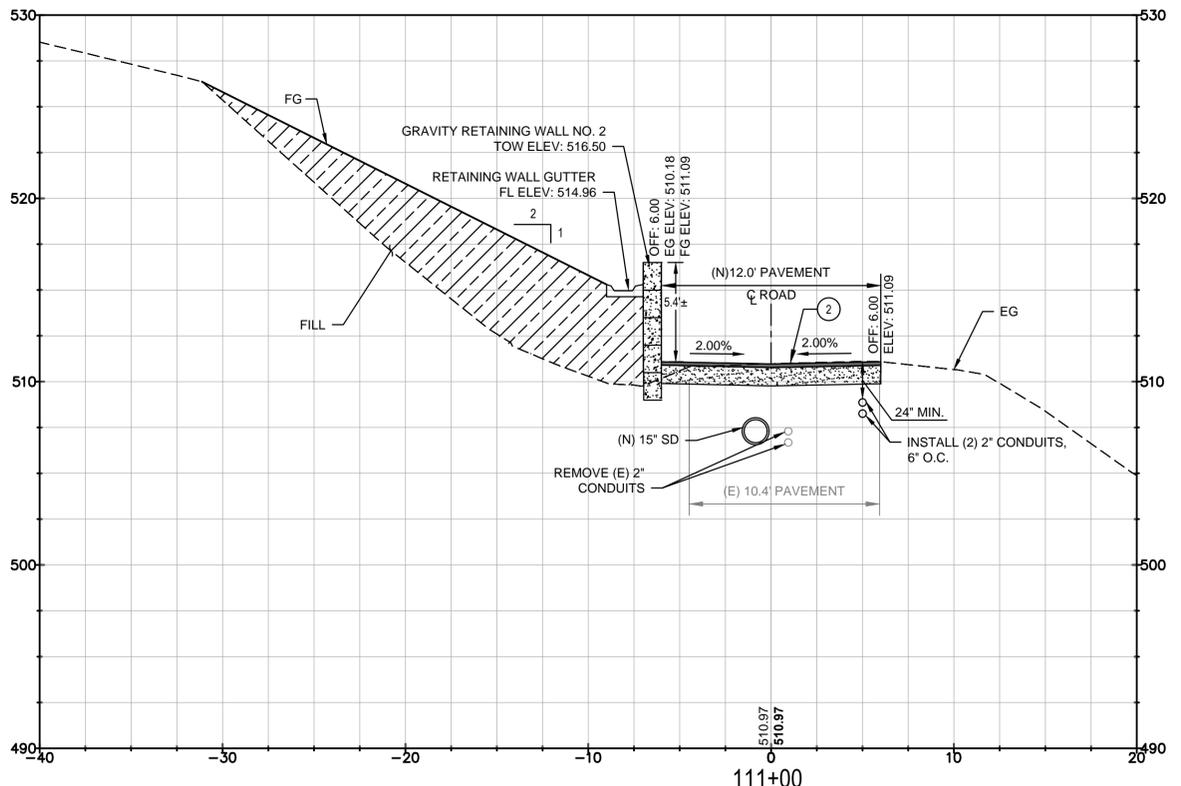
KEYNOTES
 (2) (N) HMA PAVEMENT SECTION. SEE DETAIL 4 ON SHEET 21.

1 CROSS SECTION AT STATION 110+00 1" = 5'



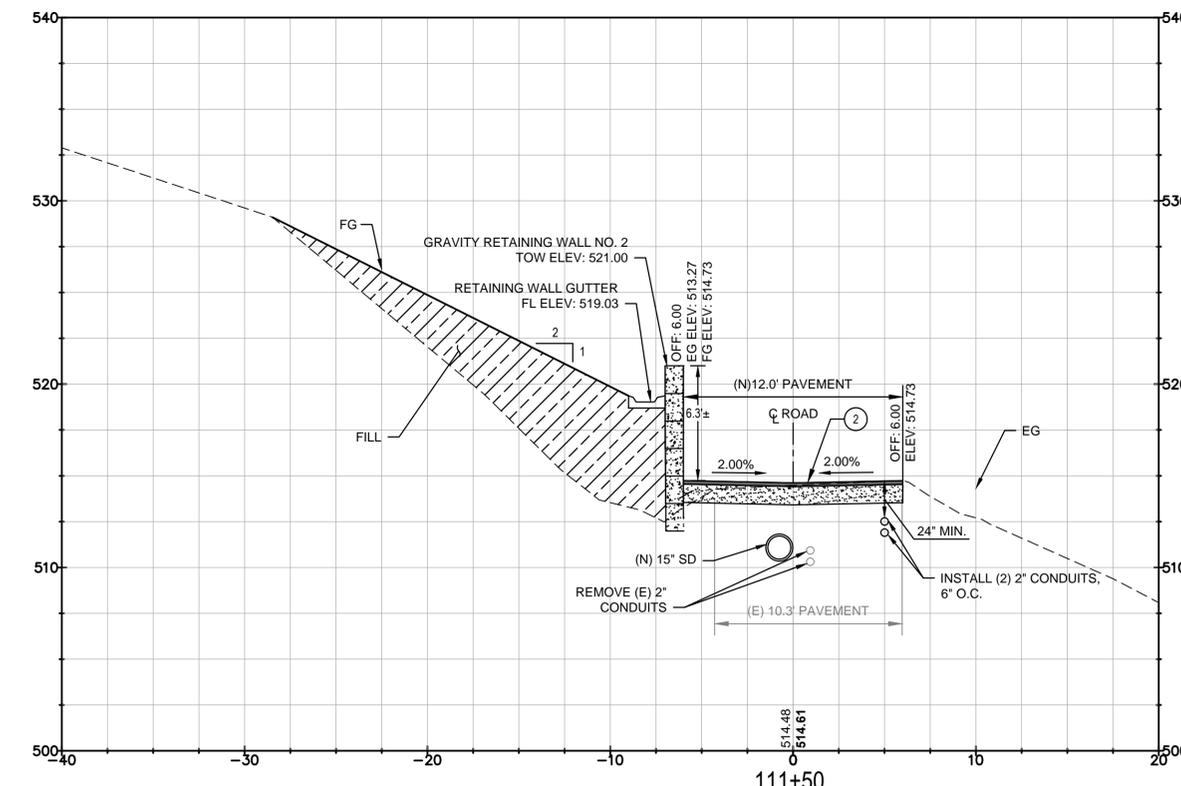
KEYNOTES
 (2) (N) HMA PAVEMENT SECTION. SEE DETAIL 4 ON SHEET 21.

2 CROSS SECTION AT STATION 110+50 1" = 5'



KEYNOTES
 (2) (N) HMA PAVEMENT SECTION. SEE DETAIL 4 ON SHEET 21.

3 CROSS SECTION AT STATION 111+00 1" = 5'



KEYNOTES
 (2) (N) HMA PAVEMENT SECTION. SEE DETAIL 4 ON SHEET 21.

4 CROSS SECTION AT STATION 111+50 1" = 5'

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No.	Date	Revision	By

SCALE: H: 1"=5' V: 1"=5'	DATE: NOVEMBER 2016
DWN BY: JC	CHK BY: MGK
APPROVED: Deputy Director - Engineering	
By: Colleen Ferguson	Date: _____

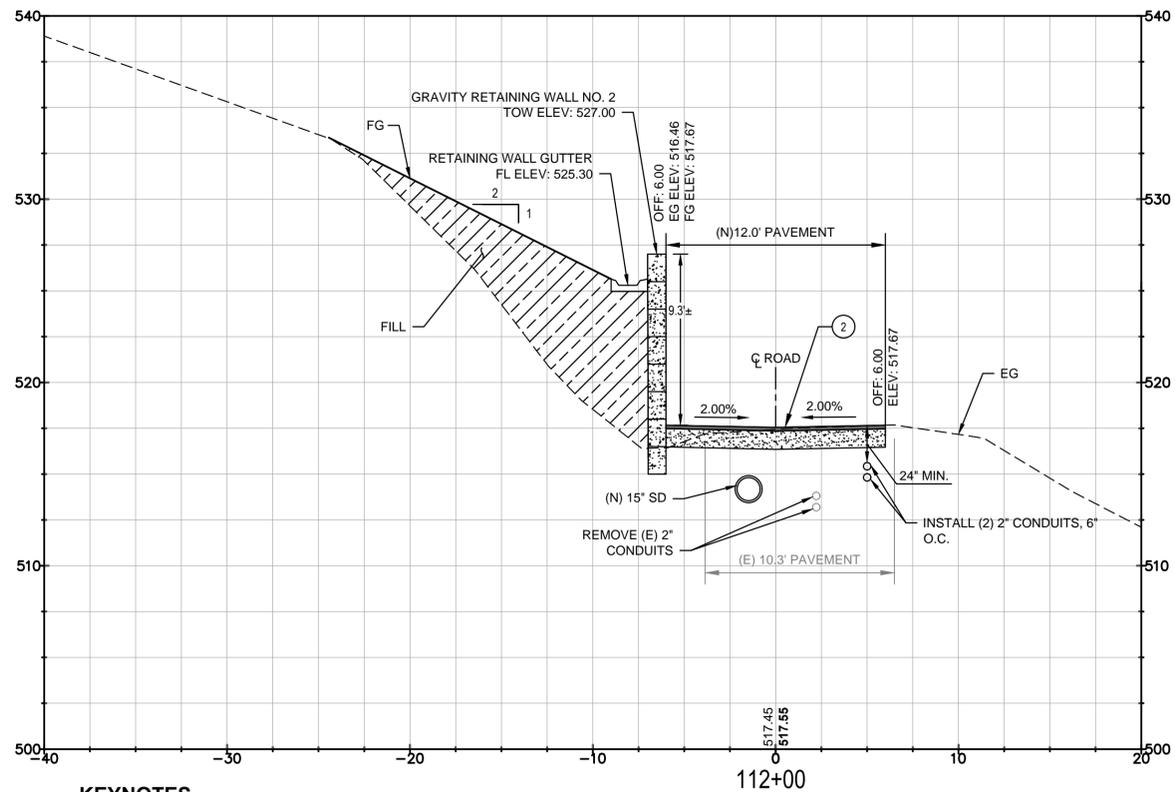
City of Santa Rosa
R7 ROAD ACCESS STABILIZATION REPAIRS
R7 ACCESS ROAD CROSS SECTIONS STA. 110+00 TO 111+50

CONTRACT NO. C01801

SHEET 18 OF 22
 FILE NO. 2015-XXXX

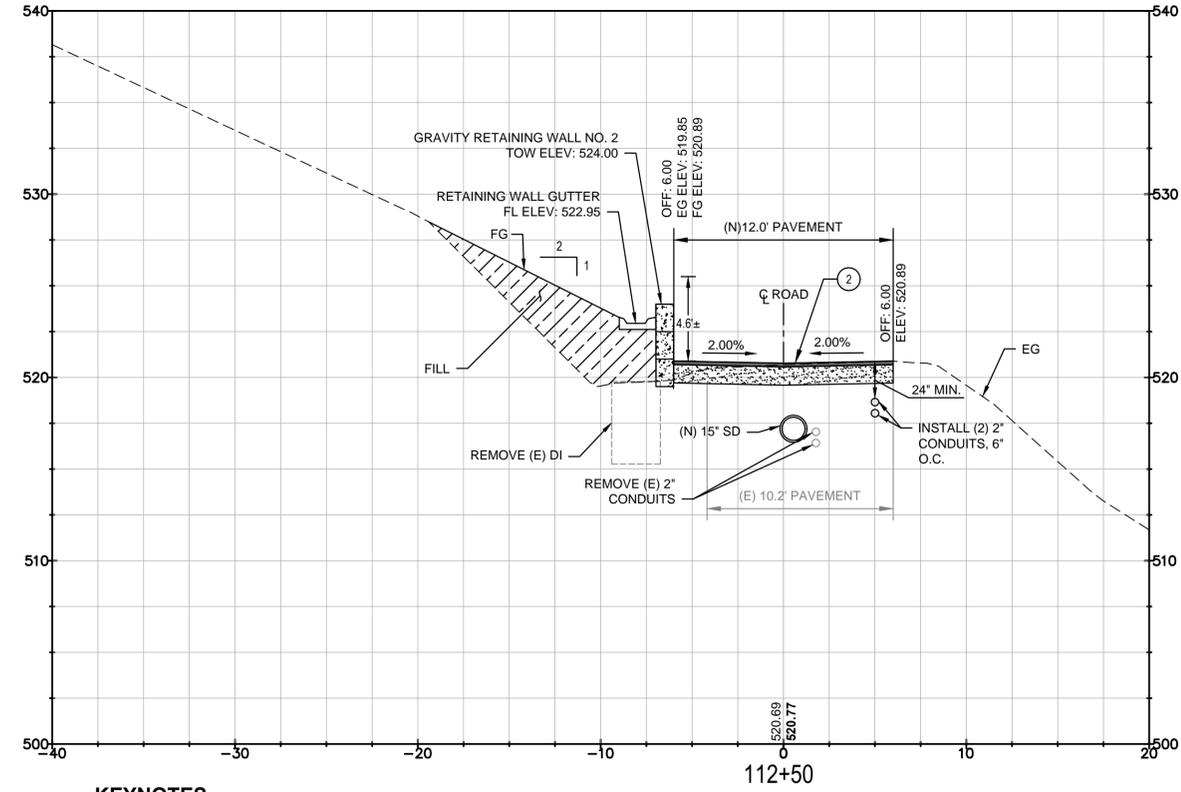
90% DESIGN - NOT FOR CONSTRUCTION

R7 ROAD ACCESS STABILIZATION REPAIRS



KEYNOTES

② (N) HMA PAVEMENT SECTION.
SEE DETAIL 4 ON SHEET 21.

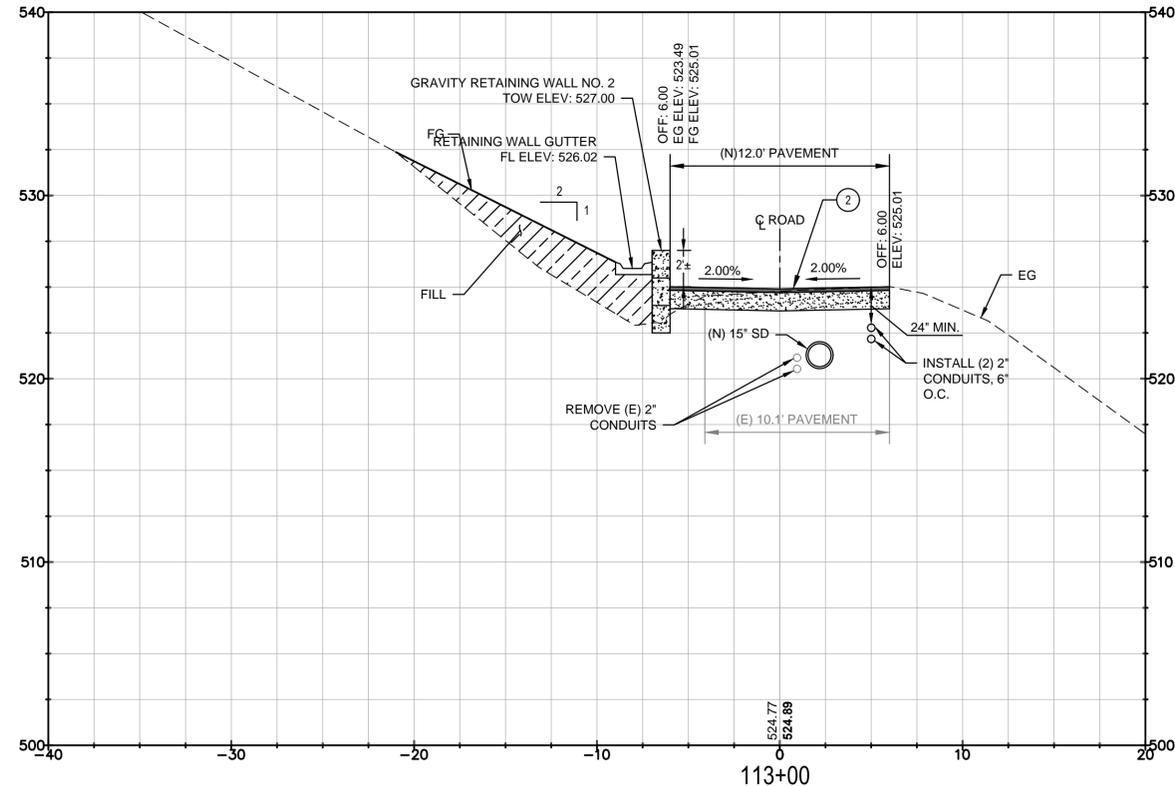


KEYNOTES

② (N) HMA PAVEMENT SECTION.
SEE DETAIL 4 ON SHEET 21.

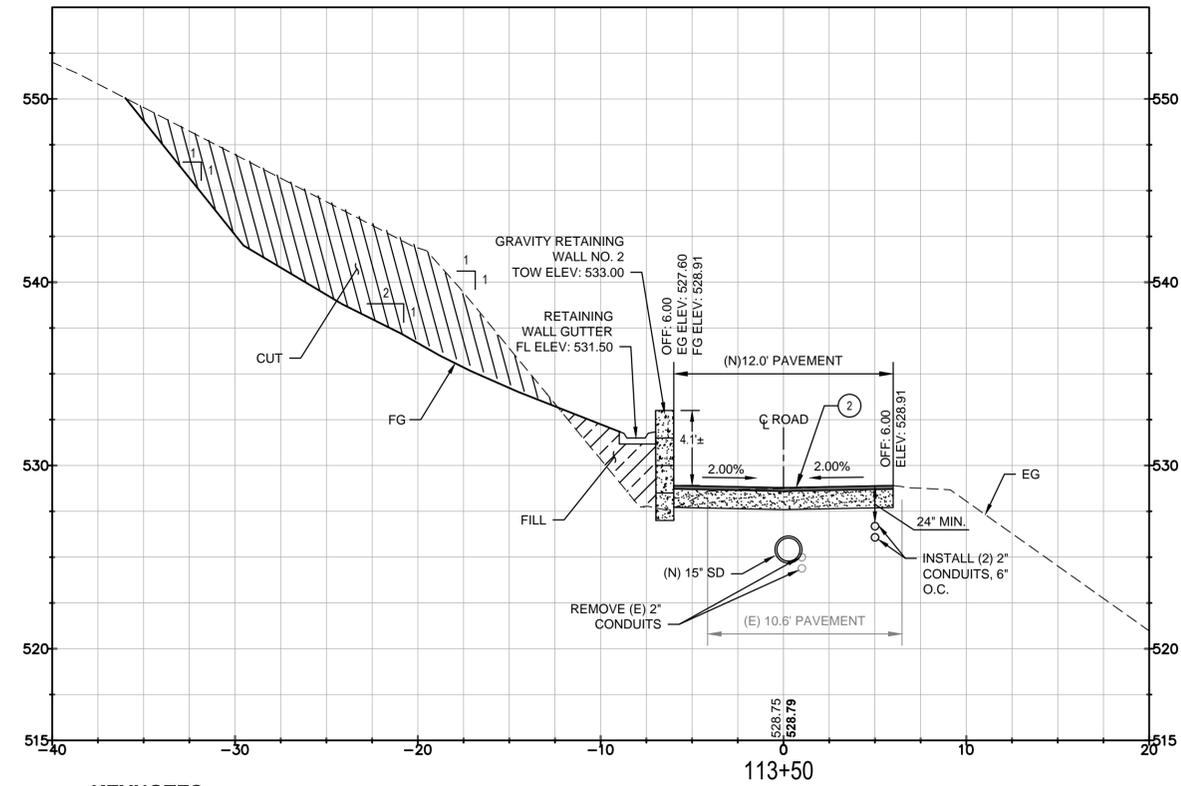
1 CROSS SECTION AT STATION 112+00 1" = 5'

2 CROSS SECTION AT STATION 112+50 1" = 5'



KEYNOTES

② (N) HMA PAVEMENT SECTION.
SEE DETAIL 4 ON SHEET 21.



KEYNOTES

② (N) HMA PAVEMENT SECTION.
SEE DETAIL 4 ON SHEET 21.

3 CROSS SECTION AT STATION 113+00 1" = 5'

4 CROSS SECTION AT STATION 113+50 1" = 5'

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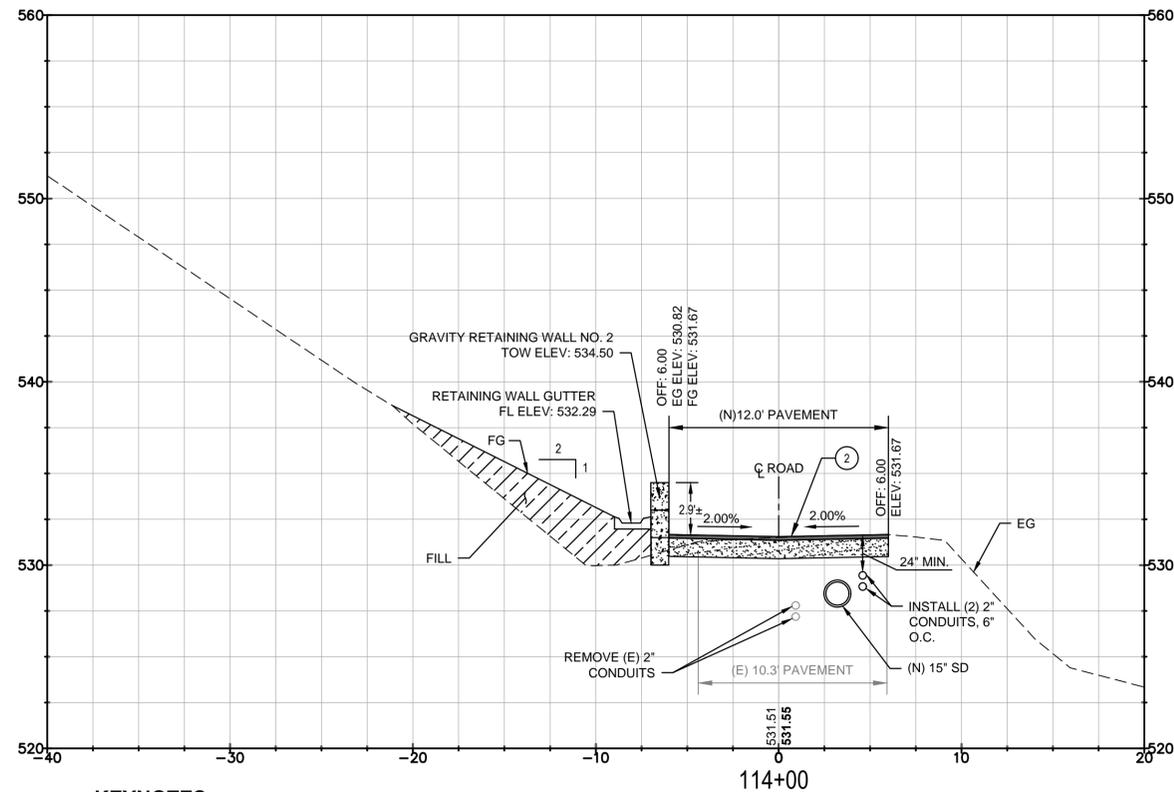
No.	Date	Revision	By

DATE: NOVEMBER 2016
CHK BY: MGK
DWN BY: JC
APPROVED: Deputy Director - Engineering
By: Colleen Ferguson

City of Santa Rosa
**R7 ROAD ACCESS
STABILIZATION REPAIRS**
**R7 ACCESS ROAD CROSS SECTIONS
STA. 112+00 TO 113+50**
R7 ROAD ACCESS STABILIZATION REPAIRS

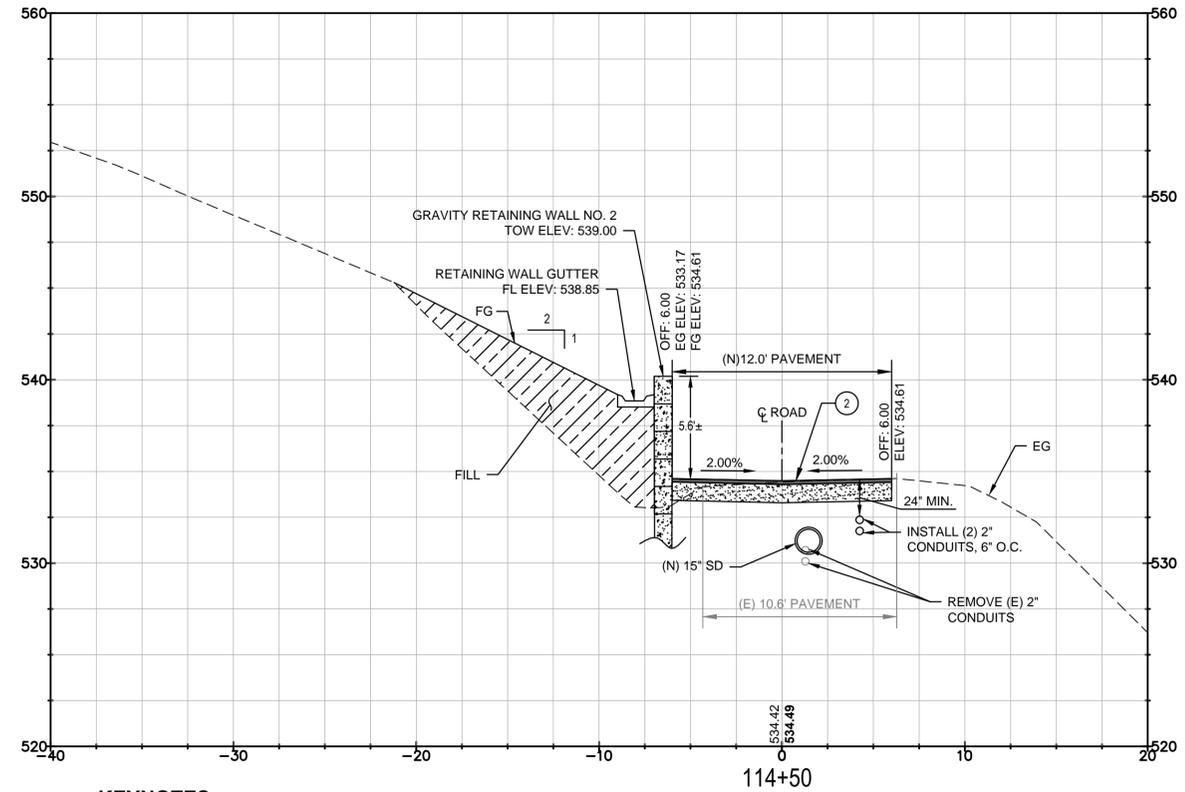
CONTRACT NO.
C01801
SHEET 19 OF 22
FILE NO. 2015-XXXX

90% DESIGN - NOT FOR CONSTRUCTION



KEYNOTES

② (N) HMA PAVEMENT SECTION.
SEE DETAIL 4 ON SHEET 21.



KEYNOTES

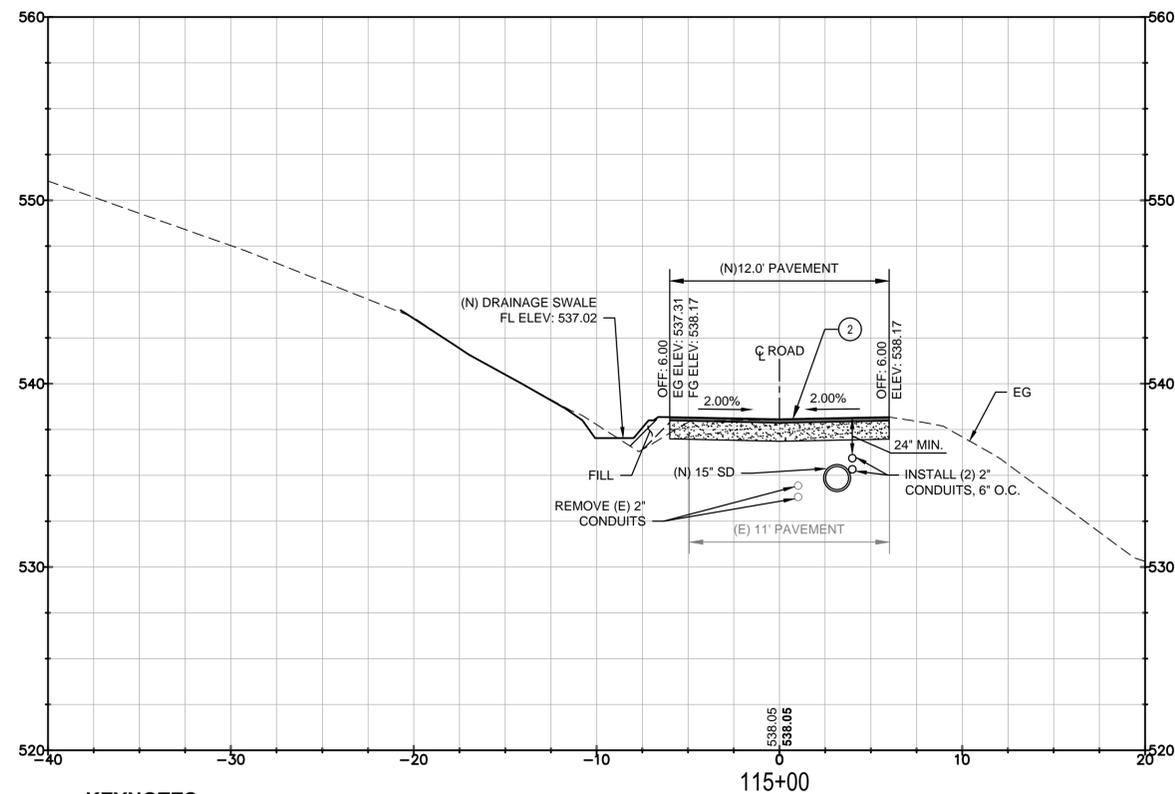
② (N) HMA PAVEMENT SECTION.
SEE DETAIL 4 ON SHEET 21.

1 CROSS SECTION AT STATION 114+00

1" = 5'

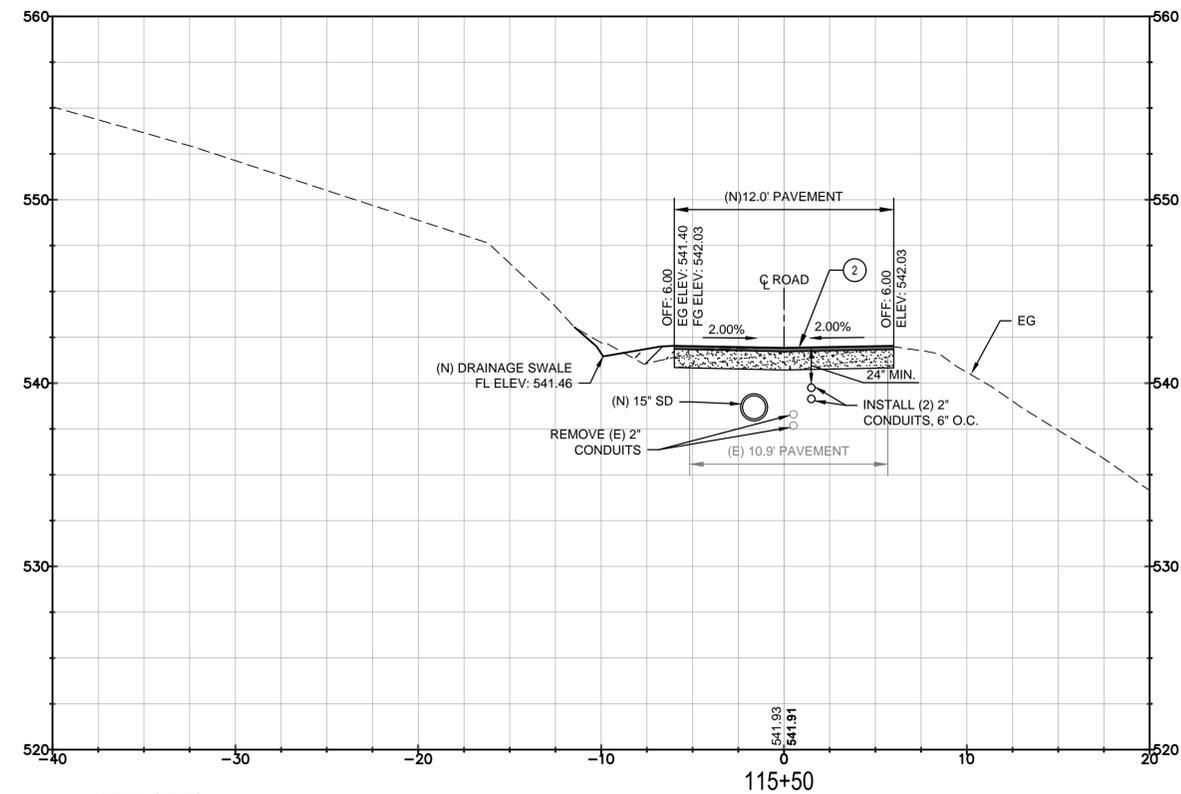
2 CROSS SECTION AT STATION 114+50

1" = 5'



KEYNOTES

② (N) HMA PAVEMENT SECTION.
SEE DETAIL 4 ON SHEET 21.



KEYNOTES

② (N) HMA PAVEMENT SECTION.
SEE DETAIL 4 ON SHEET 21.

3 CROSS SECTION AT STATION 115+00

4 CROSS SECTION AT STATION 115+50

90% DESIGN - NOT FOR CONSTRUCTION

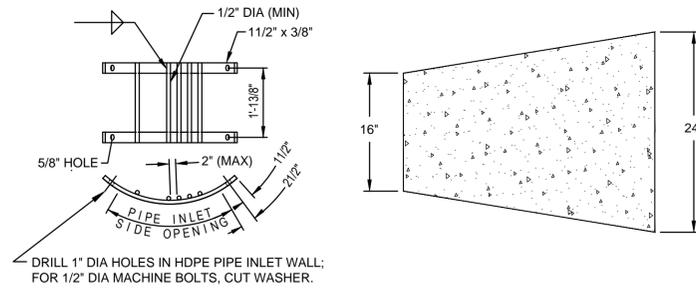
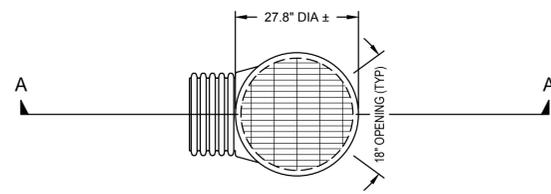
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No.	Date	Revision	By

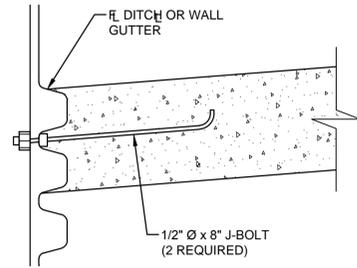
SCALE: H: 1"=5' V: 1"=5'	DATE: NOVEMBER 2016
DWN BY: JC	CHK BY: MGK
APPROVED: Deputy Director - Engineering	
By: Colleen Ferguson	Date: _____

City of Santa Rosa
**R7 ROAD ACCESS
STABILIZATION REPAIRS**
**R7 ACCESS ROAD CROSS SECTIONS
STA. 114+00 TO 115+50**
R7 ROAD ACCESS STABILIZATION REPAIRS



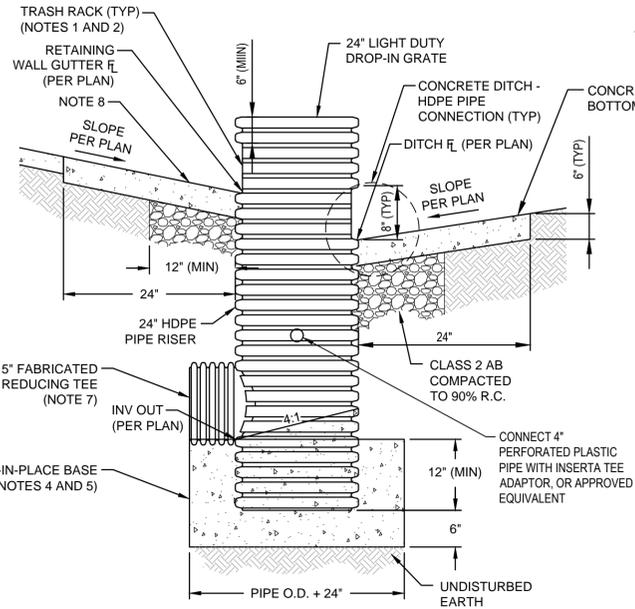
TRASH RACK

CONCRETE DITCH BOTTOM

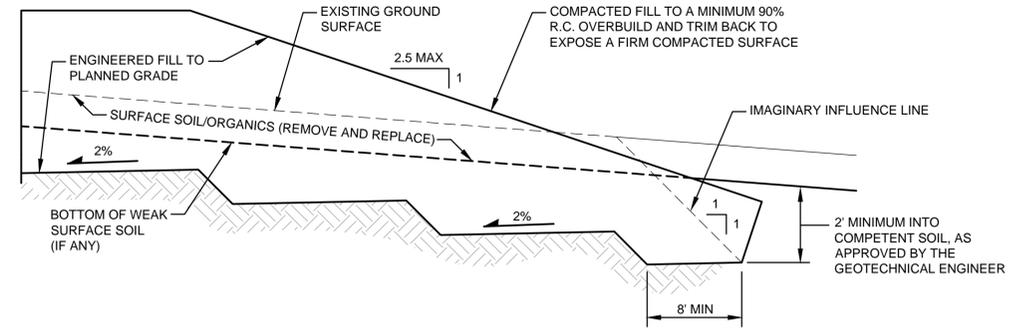


CONCRETE PAN - HDPE PIPE CONNECTION

- NOTES:
- FABRICATED TRASH RACKS SHALL BE PROVIDED ON ALL SIDE OPENINGS.
 - TRASH RACKS SHALL BE FABRICATED FROM MOLD STEEL AND HOT-DIP GALVANIZED AFTER FABRICATION PER ASTM A-123.
 - ALL STEEL HARDWARE SHALL BE HOT-DIP GALVANIZED.
 - CAST-IN-PLACE CONCRETE BASES SHALL BE POURED FULL THICKNESS AGAINST UNDISTURBED EARTH.
 - CONCRETE COMPRESSIVE STRENGTH SHALL BE 3,000 PSI (MIN).
 - MORE THAN ONE SIDE OPENING MAY BE REQUIRED. LOCATION AND NUMBER PER PLAN.
 - ORIENTATION OF OUTLET PIPE SHOWN FOR CLARITY. ACTUAL ORIENTATION PER PLAN.
 - WITHIN 24" OF HDPE INLET INCREASE BOTTOM THICKNESS OF RETAINING WALL GUTTER TO 6" AND INCREASE BOTTOM WIDTH TO 16".



SECTION A-A

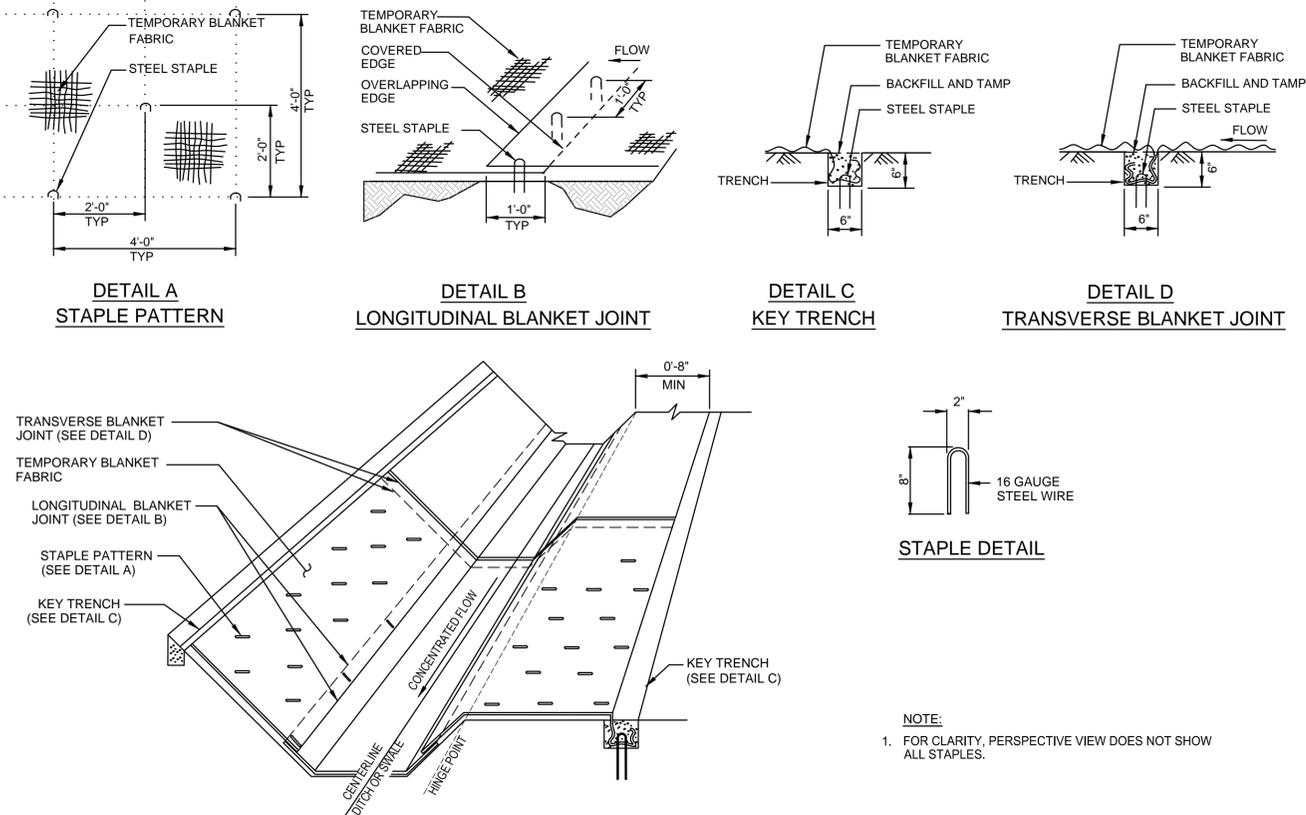


NOTES:

- KEYWAY EXCAVATION INSTALLATION SHOULD BE OBSERVED BY THE GEOTECHNICAL ENGINEER.
- WHERE EXISTING SLOPE EXCEEDS 6:1, EXCAVATE SERIES OF BENCHES IN COMPETENT SOIL/ROCK.

1 TYPE HDPE DRAINAGE INLET

N.T.S.

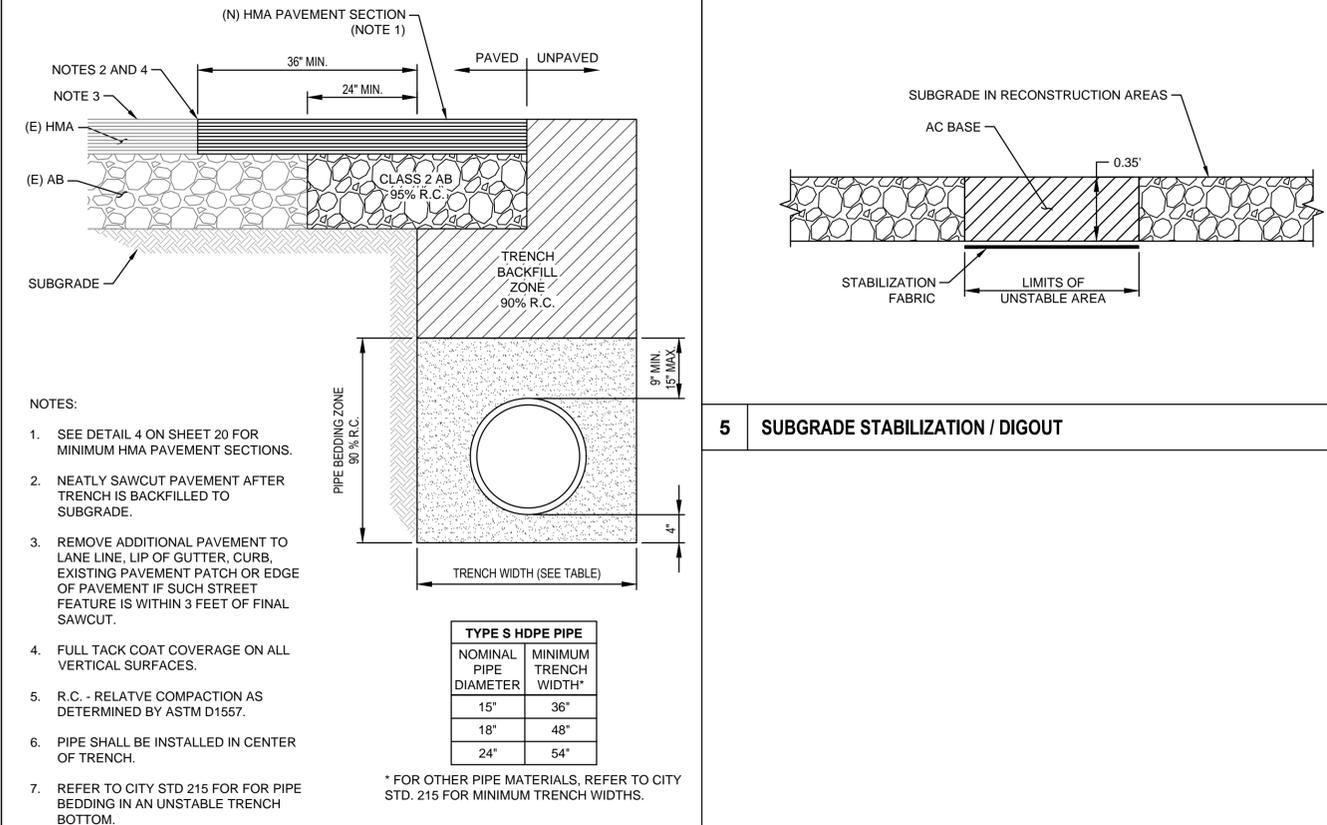


3 TRAPEZOIDAL DRAINAGE SWALE EROSION CONTROL

N.T.S.

2 TYPICAL FILL KEYWAY CONSTRUCTION

N.T.S.



NOTES:

- SEE DETAIL 4 ON SHEET 20 FOR MINIMUM HMA PAVEMENT SECTIONS.
- NEATLY SAWCUT PAVEMENT AFTER TRENCH IS BACKFILLED TO SUBGRADE.
- REMOVE ADDITIONAL PAVEMENT TO LANE LINE, LIP OF GUTTER, CURB, EXISTING PAVEMENT PATCH OR EDGE OF PAVEMENT IF SUCH STREET FEATURE IS WITHIN 3 FEET OF FINAL SAWCUT.
- FULL TACK COAT COVERAGE ON ALL VERTICAL SURFACES.
- R.C. - RELATIVE COMPACTION AS DETERMINED BY ASTM D1557.
- PIPE SHALL BE INSTALLED IN CENTER OF TRENCH.
- REFER TO CITY STD 215 FOR PIPE BEDDING IN AN UNSTABLE TRENCH BOTTOM.

* FOR OTHER PIPE MATERIALS, REFER TO CITY STD. 215 FOR MINIMUM TRENCH WIDTHS.

5 SUBGRADE STABILIZATION / DIGOUT

N.T.S.

4 TRENCH BEDDING, BACKFILL AND PAVING

N.T.S.

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No.	Date	Revision	By

City of Santa Rosa
R7 ROAD ACCESS
STABILIZATION REPAIRS
RETAINING WALL AND
ACCESS ROAD DETAILS - 2

DATE: NOVEMBER 2016
CHK BY: MGK
AS SHOWN: JC
DWN BY: JC
APPROVED: Deputy Director - Engineering
By: Colleen Ferguson

CONTRACT NO. C01801
SHEET 22 OF 22
FILE NO. 2015-XXXX