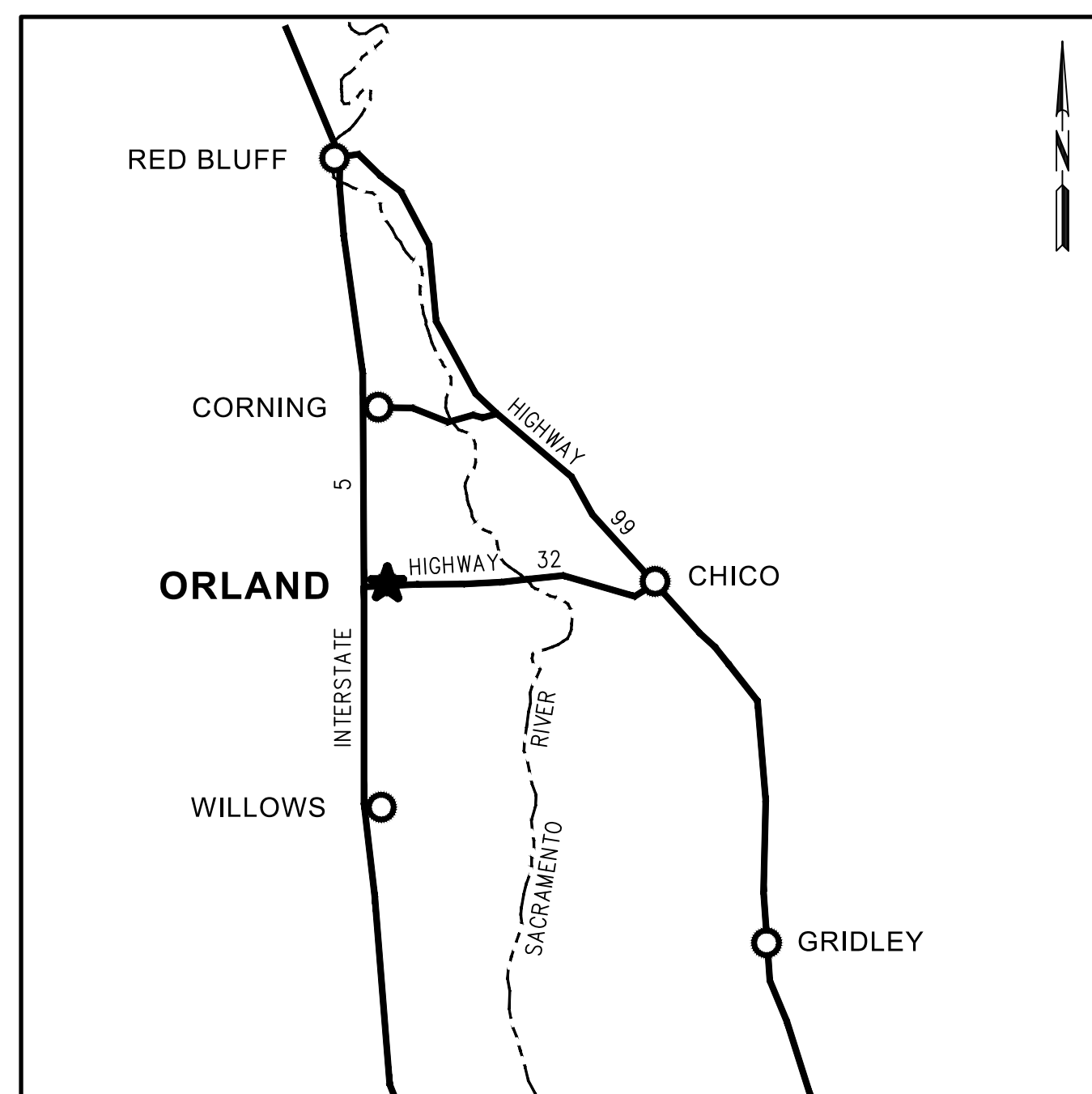


CITY OF ORLAND

GLENN COUNTY, CALIFORNIA

ROAD M 1/2 REHABILITATION

APRIL, 2025

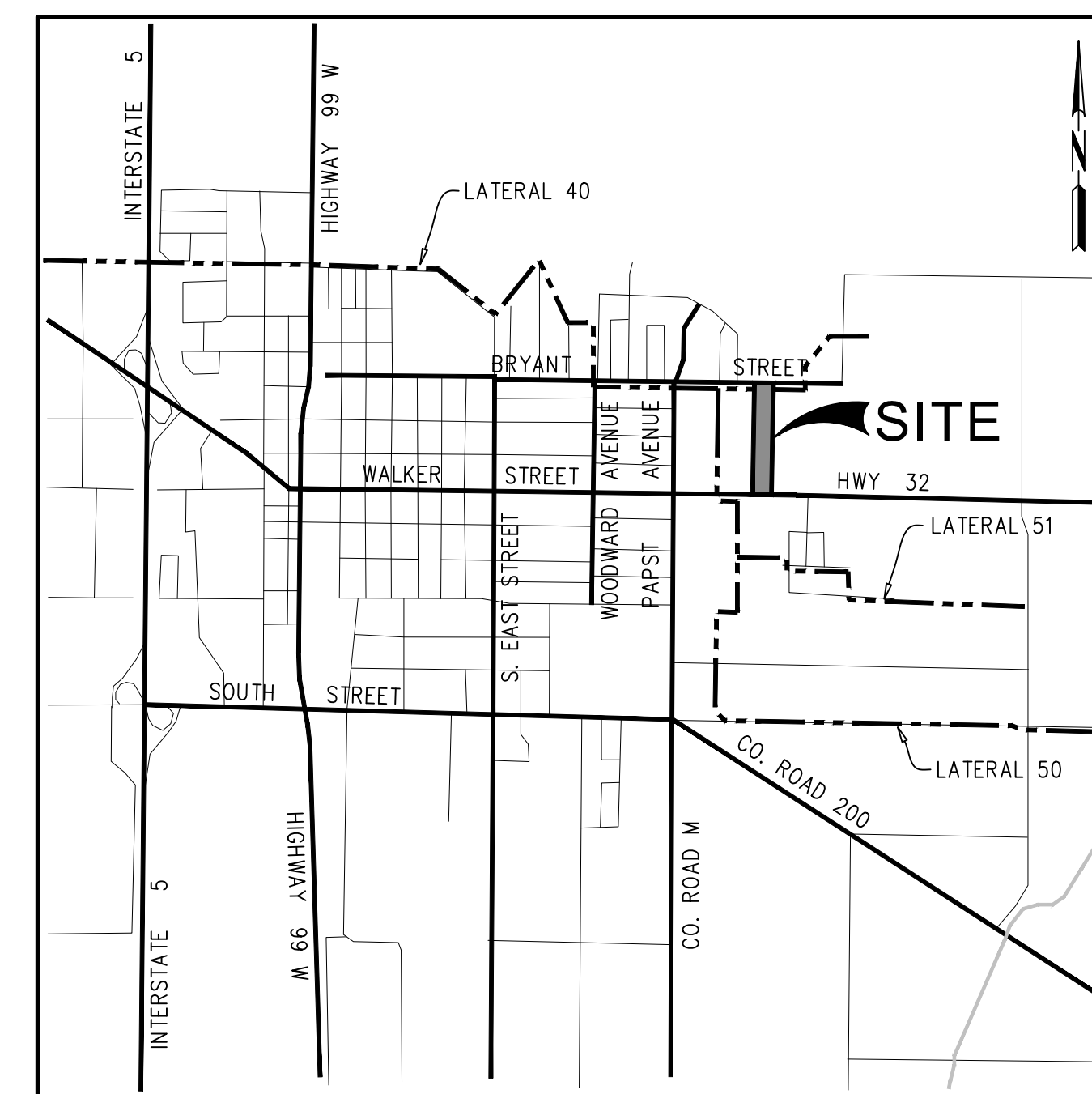


VICINITY MAP

NO SCALE

SHEET INDEX

1	TITLE SHEET
2	DETAILS
3-5	STREET IMPROVEMENT PLANS
6	STRIPING PLAN



LOCATION MAP

NO SCALE

APPROVED BY :

Paul W. Rabo
 PAUL W. RABO, RCE 72209
 CITY ENGINEER
 REGISTRATION EXPIRES: 6-30-26
 DATE: 4-18-25



GENERAL NOTES

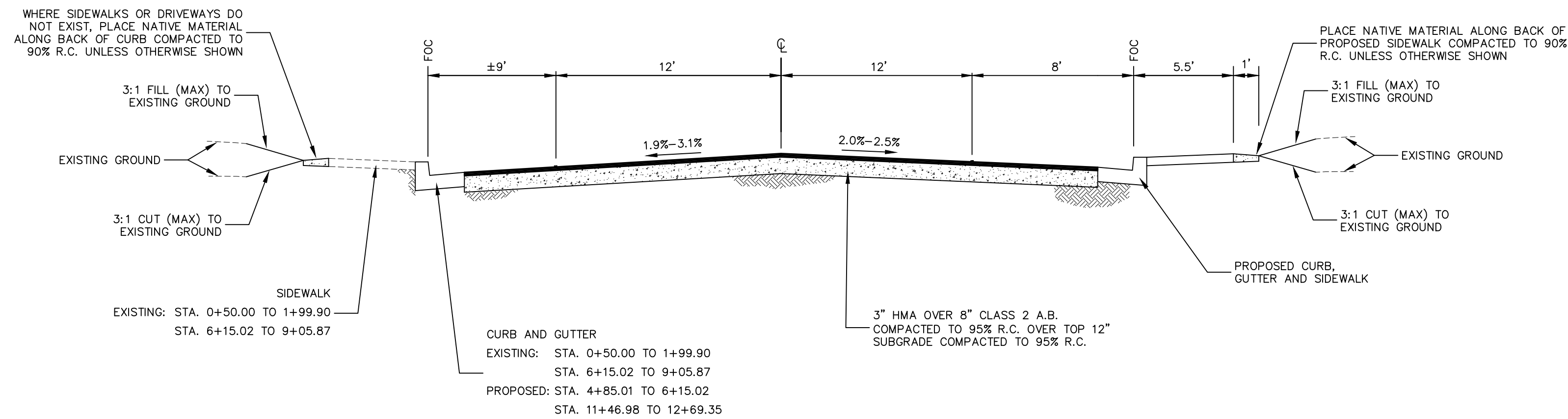
- ALL CONSTRUCTION SHALL CONFORM TO THE PROJECT PLANS, SPECIFICATIONS AND THE CITY OF ORLAND IMPROVEMENT STANDARDS.
- THE LOCATION AND DEPTH OF EXISTING UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE EXISTENCE, LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO ORDERING MATERIALS OR BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT (USA NORTH) AT 811 AT LEAST THREE (3) WORKING DAYS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING MONUMENTS AND OTHER SURVEY MARKERS FOUND DURING CONSTRUCTION. ANY MONUMENTS DISTURBED, DAMAGED OR DESTROYED DURING CONSTRUCTION SHALL BE REPLACED BY A LICENSED LAND SURVEYOR OR REGISTERED ENGINEER LICENSED TO PERFORM LAND SURVEYING AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL APPLY EITHER WATER OR DUST PALLIATIVE OR BOTH FOR THE ALLEVIATION OF DUST NUISANCE AS DIRECTED BY THE ENGINEER.
- THE CITY MAY TEST COMPACTION AT ANY LOCATION IN AREAS TO BE COMPACTED. THE CONTRACTOR SHALL PAY THE COST OF ALL FAILED TESTS.
- THE CONTRACTOR SHALL NOTIFY THE CITY INSPECTOR AT (530) 895-1422 AT LEAST 48 HOURS PRIOR TO BEGINNING OR RESUMING WORK, TRENCHING OR BACKFILLING OPERATIONS, AND CONCRETE PLACEMENT.
- THE CONTRACTOR SHALL COORDINATE ALL WORK ON THIS PROJECT WITH THE PUBLIC WORKS DIRECTOR AT (530) 865-1602. IN CASE OF EMERGENCY, THE CONTRACTOR SHALL NOTIFY THE CITY OF ORLAND POLICE DEPARTMENT OFFICE (911).
- LOW OVERHEAD POWER AND TELEPHONE FACILITIES EXIST ADJACENT TO THE PROJECT WORK AREA. THE CONTRACTOR SHALL EXERCISE EXTREME CARE TO AVOID THE OVERHEAD FACILITIES, AND SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ANY DAMAGED FACILITIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND IMPROVEMENTS WITHIN AND ADJACENT TO THE PROJECT AREA. ANY EXISTING UTILITIES OR IMPROVEMENTS THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR AT HIS EXPENSE.

PREPARED BY OR UNDER
 THE SUPERVISION OF :



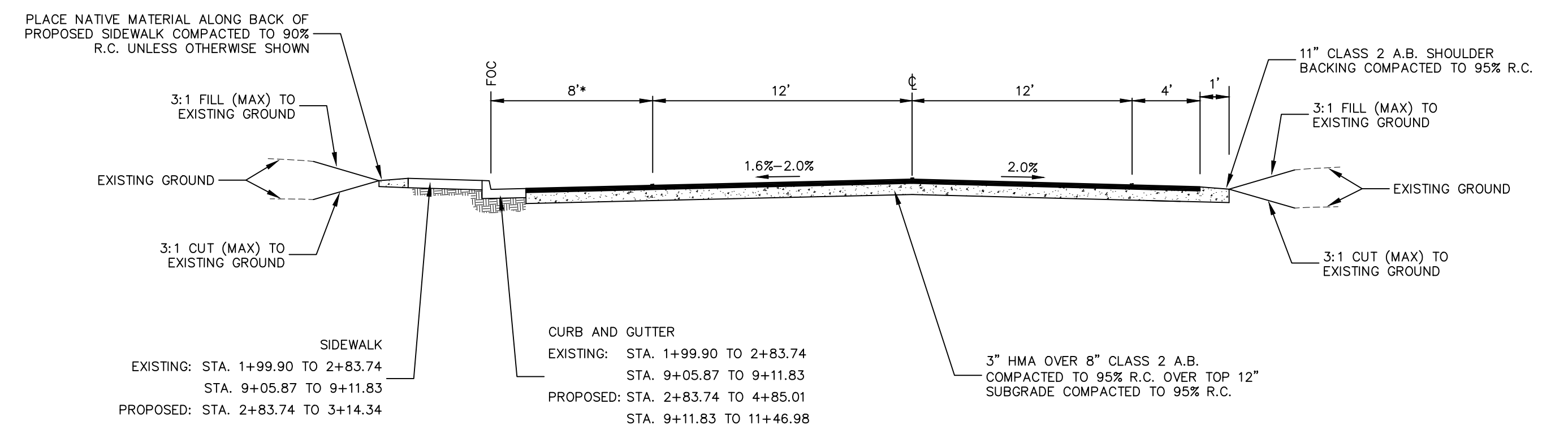
Jeffrey I. Rabo
 JEFFREY I. RABO, RCE 87152
 REGISTRATION EXPIRES: 9-30-25
 DATE: 4-18-25

PREPARED BY:
RAR
 ROLLS ANDERSON & ROLLS
 CIVIL ENGINEERS
 115 YELLOWSTONE DRIVE • CHICO, CALIFORNIA 95975-58
 TELEPHONE 530-895-1422



ROAD M 1/2 TYPICAL SECTION

STA. 0+50.00 TO STA. 1+99.90
STA. 4+85.01 TO STA. 9+05.87
STA. 11+46.98 TO STA. 12+69.35
NO SCALE



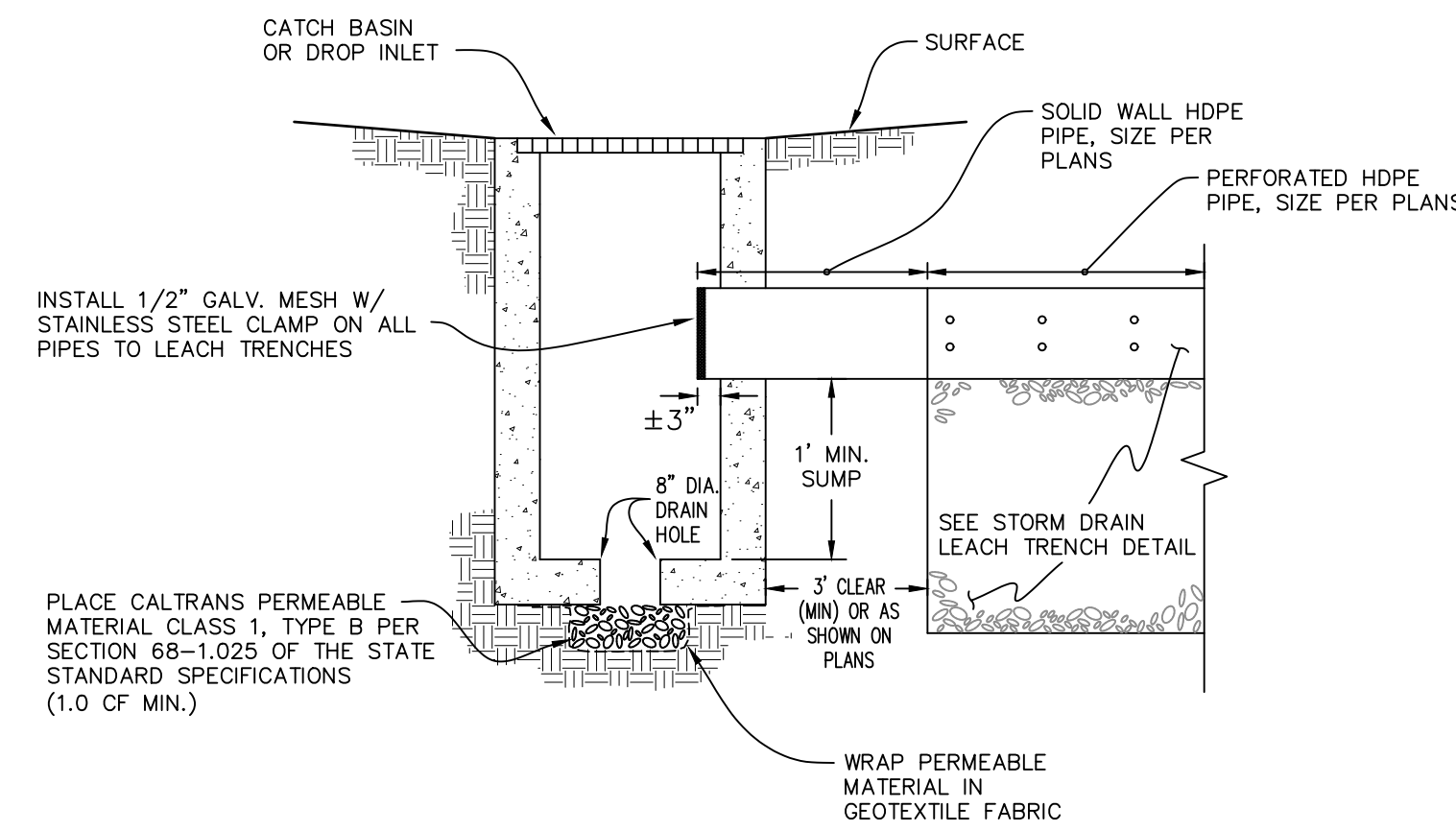
ROAD M 1/2 TYPICAL SECTION

STA. 1+99.90 TO STA. 4+85.01
STA. 9+05.87 TO STA. 11+46.98
NO SCALE

*NOTE: ±9' FROM STA.1+99.90 TO 3+23.02

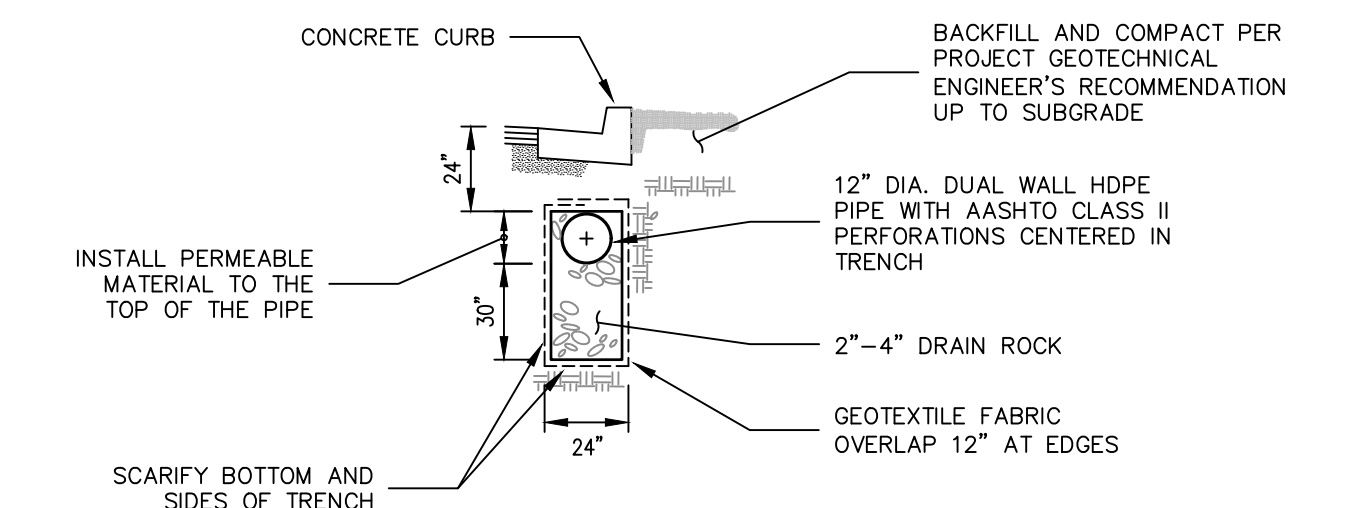
LEGEND

---	EXISTING RIGHT-OF-WAY LINE	wv	EXISTING WATER VALVE
---	EXISTING PROPERTY LINE	wm	EXISTING WATER METER
---	EXISTING EDGE OF CONCRETE	gp	EXISTING GATE POST
---	EXISTING EDGE OF ASPHALT PAVEMENT	DT 12"	EXISTING TREE TYPE AND SIZE
SD	EXISTING STORM DRAIN	DT	DECIDUOUS TREE
SS	EXISTING SANITARY SEWER	PA	PALM TREE
W	EXISTING WATER LINE	OL	OLIVE TREE
G	EXISTING GAS LINE (PER USA MARKINGS)	CT	CONIFER TREE
OH	EXISTING OVERHEAD UTILITY LINE	SD00	EXISTING STORM DRAIN CLEANOUT
T	EXISTING TRANSCONTINENTAL FIBER LINE	SAW	PROPOSED SAWCUT
---	EXISTING CENTERLINE	VCG	PROPOSED VERTICAL CURB AND GUTTER
---	EXISTING ROADWAY STRIPING	RCG	PROPOSED ROLLED CURB AND GUTTER
x - x - x	EXISTING FENCE	SDI	PROPOSED STORM DRAIN DROP INLET
+ 241.34	EXISTING GROUND ELEVATION	SDLT	PROPOSED STORM DRAIN LEACH TRENCH
MB	EXISTING MAILBOX	FH	PROPOSED FIRE HYDRANT
SDI	EXISTING STORM DRAIN DROP INLET	EP	PROPOSED EDGE OF PAVEMENT
SSMH	EXISTING SANITARY SEWER MANHOLE	EP	PROPOSED EDGE OF CLASS 2 AB BACKING
BD	EXISTING BOLLARD	RES	PROPOSED RIGHT EDGE LINE STRIPING
SP	EXISTING SIGN POST	CLS	PROPOSED CENTER LINE STRIPING
JP	EXISTING JOINT POLE	BM	PROPOSED BLUE REFLECTIVE MARKER
GUY	EXISTING GUY WIRE	FG	PROPOSED FINISH GRADE (ADD 200.00 FOR DATUM)
		CG	PROPOSED BACK OF CURB GRADE (ADD 200.00 FOR DATUM)
		C	CONFORM
		EP	EDGE OF PAVEMENT



AREA DRAIN AND LEACH TRENCH CONNECTION DETAIL

NO SCALE



STORM DRAIN LEACH TRENCH TYPICAL SECTION

NO SCALE

NOTE: A MINIMUM VERTICAL SEPARATION OF 5 FEET IS REQUIRED FROM THE BOTTOM OF THE LEACH TRENCH TO GROUND WATER

S:\D\130 - 2018 PROJECTS\2024 ROAD M 1/2\2024 8.mxd 04/19/25 4:48:13 AM



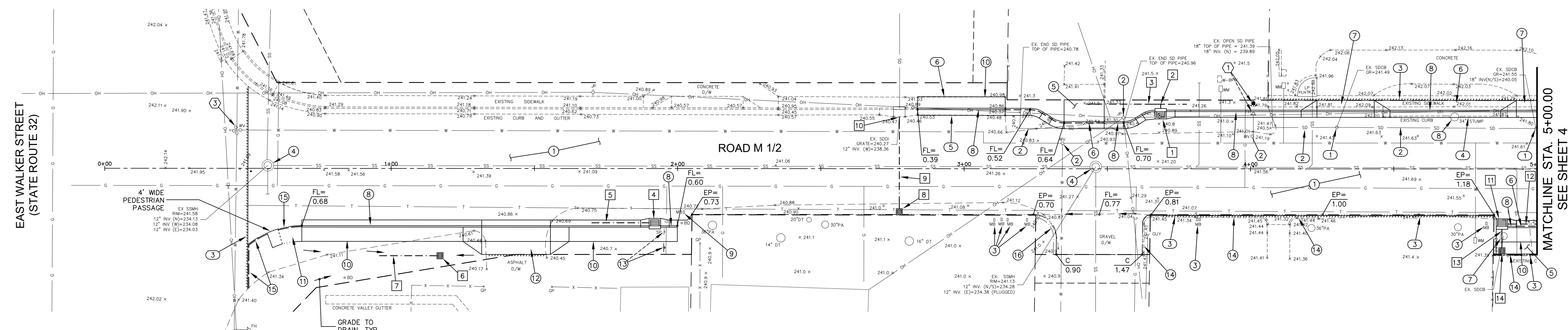
4-18-25
APPROVED
Jeffrey I. Rado
DATE
APRIL, 2025

PREPARED FOR :
CITY OF ORLAND

RAR
ROLLS ANDERSON & ROLLS
CIVIL ENGINEERS
115 YELLOWSTONE DRIVE • CHICO, CALIFORNIA 9573-5811 • TELEPHONE 530-895-1422

ROAD M 1/2 REHABILITATION PROJECT
DETAILS

DESIGNED	DJB
DRAWN	CAD
CHECKED	JIR
DRAWING NO.	2 OF 6
JOB NO.	20014



DEMOLITION NOTES

- 1 REMOVE AND DISPOSE OF STORM DRAIN CATCH BASIN (2 TOTAL THIS DWG)
- 2 REMOVE AND DISPOSE OF STORM DRAIN PIPE (128 LF± TOTAL THIS DWG)
- 3 SAWCUT NEAT LINE AND REMOVE AND DISPOSE OF EXISTING MATERIALS
- 4 REMOVE AND DISPOSE OF CURB (44 LF± TOTAL THIS DWG)
- 5 REMOVE AND DISPOSE OF CURB AND GUTTER (31 LF± TOTAL THIS DWG)
- 6 REMOVE AND DISPOSE OF CONCRETE FLATWORK (500 SF± TOTAL THIS DWG)
- 7 REMOVE AND DISPOSE OF BOTTOMLESS STORM DRAIN CATCH BASIN. OVER EXCAVATE TO 12" BELOW BOTTOM OF BASIN AND BACKFILL WITH NATIVE MATERIALS COMPACTED TO 90% RELATIVE COMPACTION
- 8 REMOVE AND DISPOSE OF EXISTING TREE STUMP AND BACKFILL EXCAVATION WITH CLASS 2 A.B. COMPACTED TO 95% RELATIVE COMPACTION

WATER CONSTRUCTION NOTES

- 1 EXISTING FIRE HYDRANT TO BE RELOCATED BY CITY OF ORLAND
- 2 ADJUST WATER VALVE TO FINISH GRADE PER CITY STD. 305 (2 TOTAL THIS DWG)
- 3 PROTECT EXISTING WATER VALVE CLUSTER IN PLACE

STORM DRAIN CONSTRUCTION NOTES

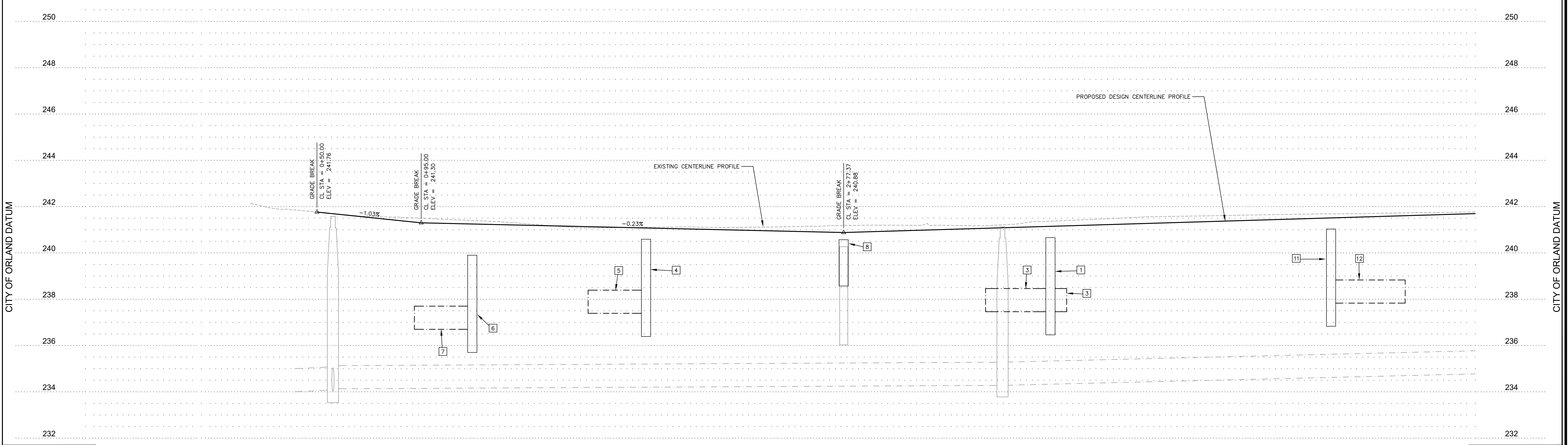
- 1 INSTALL CITY STD. 401 TYPE 1 DROP INLET, FL=240.88, 12" INV.=237.00
- 2 INSTALL 12" DIA. HDPE S.D. TEE
- 3 INSTALL 35 LF. 12" DIA. HDPE PERFORATED S.D. PIPE PER DETAIL ON DWG. 2, S=0.0000
- 4 INSTALL CITY STD. 401 TYPE 1 DROP INLET, FL=240.59, GR=240.49, 12" INV.=237.39
- 5 INSTALL 20 LF. 12" DIA. HDPE PERFORATED S.D. PIPE PER DETAIL ON DWG. 2, S=0.0000
- 6 INSTALL 18"x18" PRECAST CONCRETE AREA DRAIN PER DETAIL ON DWG. 2, GR=239.90, 12" INV.=236.70
- 7 INSTALL 20 LF. 12" DIA. HDPE PERFORATED S.D. PIPE PER DETAIL ON DWG. 2, S=0.0000
- 8 INSTALL 18"x18" PRECAST CONCRETE AREA DRAIN PER DETAIL ON DWG. 2, GR=240.56, 10" INV.=238.56
- 9 INSTALL 34 LF. 10" DIA. HDPE S.D. PIPE, S=0.0025, PLACE SLURRY BACKFILL PER DETAIL ON DWG. 2
- 10 CONNECT TO EXISTING DROP INLET, 10" INV.=238.47
- 11 INSTALL CITY STD. 401 TYPE 1 DROP INLET, FL=241.03, GR=240.93, 12" INV.=237.83
- 12 INSTALL 10 LF. 12" DIA. HDPE PERFORATED S.D. PIPE PER DETAIL ON DWG. 2, S=0.0000
- 13 INSTALL 8 LF. 10" DIA. HDPE S.D. PIPE, S=0.0050
- 14 INSTALL 18"x18" PRECAST CONCRETE AREA DRAIN PER DETAIL ON DWG. 2, GR=241.30, 10" INV.=239.30

CONSTRUCTION NOTES

- 1 PLACE 3" HMA OVER 8" CLASS 2 A.B. COMPACTED TO 95% RELATIVE COMPACTION OVER 12" OF SUBGRADE SCARIFIED AND COMPACTED TO 95% COMPACTION
- 2 USE CAUTION WHEN WORKING NEAR UTILITY POLE, GUY WIRE OR OVERHEAD LINE, PROTECT IN PLACE
- 3 PROTECT EXISTING MAILBOX IN PLACE
- 4 ADJUST EXISTING SANITARY SEWER MANHOLE FRAME AND COVER TO FINISH GRADE PER CITY STD. 409 (2 TOTAL THIS DWG)
- 5 INSTALL 2" HMA CONFORM OVER 6" AB (161 SF± TOTAL THIS DWG)
- 6 INSTALL CITY STD. 202 ROLLED CURB AND GUTTER (43 LF± TOTAL THIS DWG)
- 7 INSTALL CITY STD. 205 RESIDENTIAL DRIVEWAY (123 SF± TOTAL THIS DWG)
- 8 INSTALL CITY STD. 202 6" VERTICAL CURB AND GUTTER (309 LF± TOTAL THIS DWG)
- 9 RELOCATE EXISTING MAILBOX PER USPS REQUIREMENTS (1 TOTAL THIS DWG)
- 10 INSTALL CITY STD. 204 5' WIDE SIDEWALK (662 SF± TOTAL THIS DWG)
- 11 INSTALL HMA CONFORM, LONGITUDINAL SLOPE SHALL NOT EXCEED 4.5%, CROSS SLOPE SHALL NOT EXCEED 1.5% (64 SF± TOTAL THIS DWG)
- 12 INSTALL CITY STD. 206 COMMERCIAL DRIVEWAY (324 SF± TOTAL THIS DWG)
- 13 REMOVE AND DISPOSE OF EXISTING SIGN. INSTALL NEW SIGN AND SIGN POST PER CITY 601 (1 TOTAL THIS DWG)
- 14 PROTECT EXISTING CURB IN PLACE
- 15 INSTALL CITY STD. 201 6" A.C. DIKE (31 LF± TOTAL THIS DWG)
- 16 INSTALL CLASS 2 AB SHOULDER BACKING (16 LF± TOTAL THIS DWG)

SCALE: HORIZONTAL 1" = 20'
VERTICAL 1" = 2'

STATION	0+00	0+50	1+00	1+50	2+00	2+50	3+00	3+50	4+00	4+50	5+00
EX. CL. ELEV.		241.76	241.48	241.18	241.11	241.13	241.20	241.23	241.52	241.63	241.70
CL. ELEV.		241.76	241.48	241.18	241.11	241.13	241.20	241.23	241.52	241.63	241.70
[FL. LT. ELEV.]											
[FL. RT. ELEV.]											



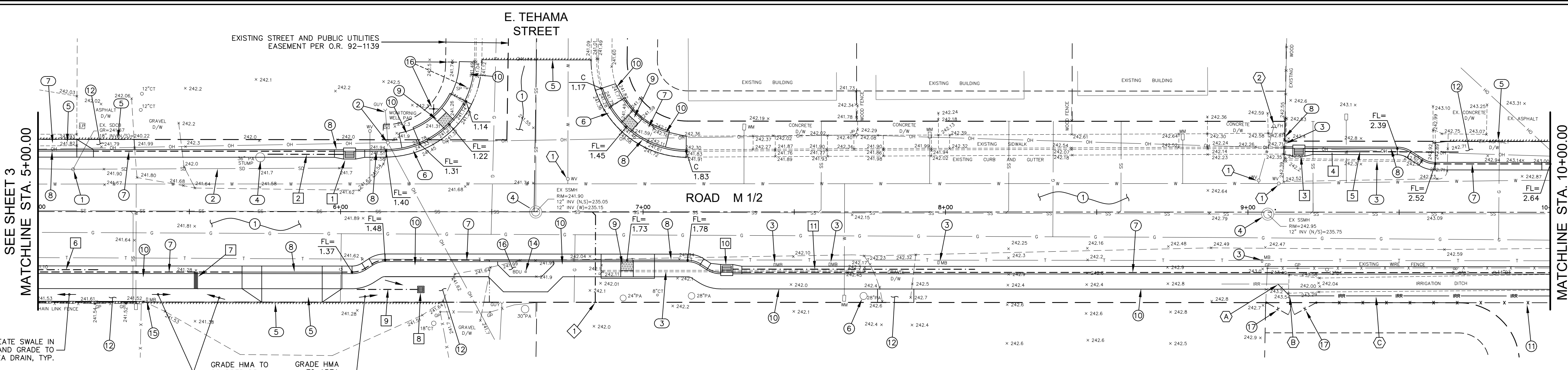
4-18-25
APPROVED
Jeffrey I. Rado
DATE APRIL, 2025

PREPARED FOR:
CITY OF ORLAND

RAR
ROLLS ANDERSON & ROLLS
CIVIL ENGINEERS
115 YELLOWSTONE DRIVE CHICO, CALIFORNIA 9573-5811 *TELEPHONE 530-895-1422

ROAD M 1/2 REHABILITATION PROJECT
STREET IMPROVEMENT PLAN

DESIGNED	JIR
DRAWN	CAD
CHECKED	PWR
DRAWING NO.	3 OF 6
JOB NO.	20014



SEE SHEET 3
MATCHLINE STA. 5+00.00

MATCHLINE STA. 10+00.00
SEE SHEET 5

DEMOLITION NOTES

- 1 REMOVE AND DISPOSE OF EXISTING STORM DRAIN CATCH BASIN (1 TOTAL THIS DWG)
- 2 REMOVE AND DISPOSE OF STORM DRAIN PIPE (104 LF± TOTAL THIS DWG)
- 3 REMOVE AND DISPOSE OF EXISTING CONCRETE CURB (142 LF± TOTAL THIS DWG)
- 4 REMOVE AND DISPOSE OF EXISTING TREE STUMP AND BACKFILL EXCAVATION WITH CLASS 2 A.B. COMPACTED TO 95% RELATIVE COMPACTION
- 5 SAWCUT NEAT LINE AND REMOVE AND DISPOSE OF EXISTING MATERIALS
- 6 REMOVE AND DISPOSE OF CURB AND GUTTER (68 LF± TOTAL THIS DWG)
- 7 REMOVE AND DISPOSE OF CONCRETE FLATWORK (188 SF± TOTAL THIS DWG)
- 8 REMOVE AND DISPOSE OF EXISTING FENCE. INSTALL NEW POST AT END OF FENCE (9 LF± TOTAL THIS DWG)

WATER CONSTRUCTION NOTES

- 1 ADJUST WATER VALVE TO FINISH GRADE PER CITY STD. 305 (3 TOTAL THIS DWG)
- 2 PROTECT EXISTING FIRE HYDRANT IN PLACE

IRRIGATION CONSTRUCTION NOTES

- A CONNECT TO EXISTING IRRIGATION PIPE. CONTRACTOR SHALL POTHOLE TO VERIFY PIPE SIZE AND MATERIALS PRIOR TO ORDERING MATERIALS
- B INSTALL 18" DIA. 45° PVC IRRIGATION ELBOW (1 TOTAL THIS DWG)
- C INSTALL 18" DIA. SDR 64 GRAVITY IRRIGATION P.I.P. MAIN WITH 18" MINIMUM OF COVER, S=0.0030 (92 LF± TOTAL THIS DWG)

SEWER CONSTRUCTION NOTES

- 1 INSTALL CITY STD. 503 4" DIA. PVC SEWER SERVICE, S=0.0200 (1 TOTAL THIS DWG)

STORM DRAIN CONSTRUCTION NOTES

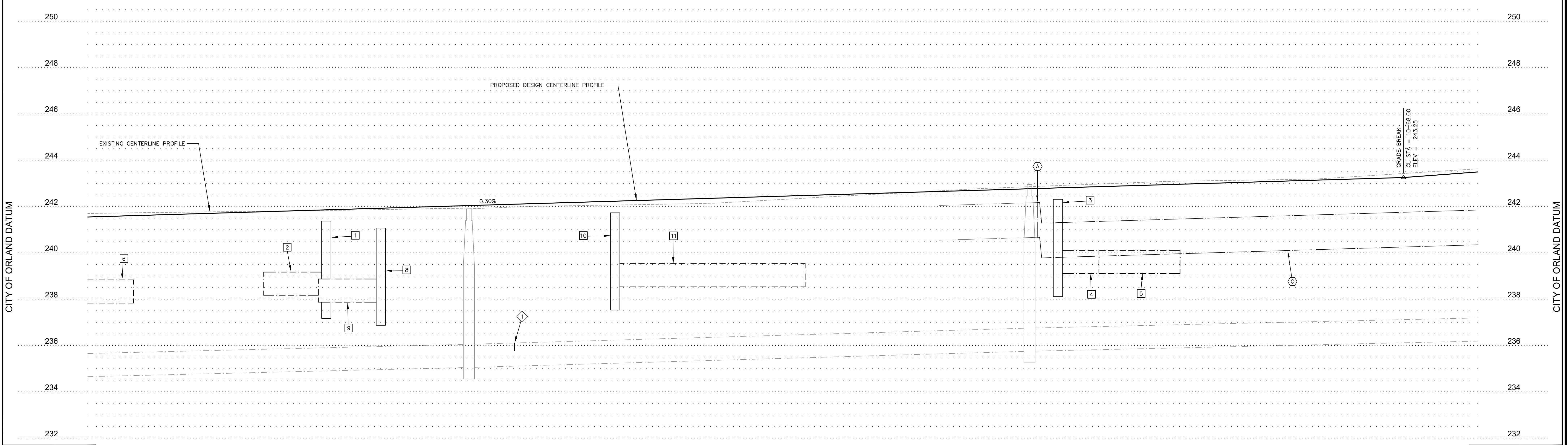
- 1 INSTALL CITY STD. 401 TYPE 1 DROP INLET, FL= 241.37, GR=241.27, 12" INV.=238.17
- 2 INSTALL 25 L.F. 12" DIA. HDPE PERFORATED S.D. PIPE PER DETAIL ON DWG 2, S=0.0000
- 3 INSTALL CITY STD. 401 TYPE 1 DROP INLET, FL=242.29, GR=242.19, 12" INV.=239.09
- 4 INSTALL 16 L.F. 12" DIA. HDPE S.D. PIPE, S=0.0000
- 5 INSTALL 35 L.F. 12" DIA. HDPE PERFORATED S.D. PIPE PER DETAIL ON DWG 2, S=0.0000
- 6 INSTALL 20 L.F. 12" DIA. HDPE PERFORATED S.D. PIPE PER DETAIL ON DWG 2, S=0.0000
- 7 INSTALL CITY STD. 404 SCUPPER DRAIN
- 8 INSTALL 18"x18" PRECAST CONCRETE AREA DRAIN PER DETAIL ON DWG 2, GR=241.07, 12" INV.= 237.87
- 9 INSTALL 20 L.F. 12" DIA. HDPE PERFORATED S.D. PIPE PER DETAIL ON DWG. 2, S=0.0000
- 10 INSTALL CITY STD. 401 TYPE 1 DROP INLET, FL=241.73, GR=241.63, 12" INV.=238.53
- 11 INSTALL 80 L.F. 12" DIA. HDPE PERFORATED S.D. PIPE PER DETAIL ON DWG 2, S=0.0000

CONSTRUCTION NOTES

- 1 PLACE 3" HMA OVER 8" CLASS 2 A.B. COMPACTED TO 95% RELATIVE COMPACTION OVER 12" OF SUBGRADE SCARIFIED AND COMPACTED TO 95% COMPACTION
- 2 USE CAUTION WHEN WORKING NEAR UTILITY POLE, GUY WIRE OR OVERHEAD LINE. PROTECT IN PLACE
- 3 RELOCATE EXISTING MAILBOX BEHIND SIDEWALK (4 TOTAL THIS DWG)
- 4 ADJUST SANITARY SEWER MANHOLE FRAME AND COVER TO FINISH GRADE PER CITY STD. 409 (2 TOTAL THIS DWG)
- 5 INSTALL CITY STD. 205 RESIDENTIAL DRIVEWAY (336 SF± TOTAL THIS DWG)
- 6 PROTECT EXISTING TREE IN PLACE
- 7 INSTALL CITY STD. 202 ROLLED CURB AND GUTTER (464 LF± TOTAL THIS DWG)
- 8 INSTALL CITY STD. 202 6" VERTICAL CURB AND GUTTER (253 LF± TOTAL THIS DWG)
- 9 INSTALL CITY STD. 207 CURB RAMP. GROOVED BORDER AT TOP OF RAMP NOT REQUIRED (314 SF± TOTAL THIS DWG)
- 10 INSTALL CITY STD. 204 5' WIDE SIDEWALK (2,427 SF± TOTAL THIS DWG)
- 11 CONNECT TO EXISTING FENCE AND INSTALL 6"x6" SQUARE WIRE FENCE WITH SINGLE STRAND OF BARBED WIRE ALONG TOP OF POSTS (94 LF± TOTAL THIS DWG)
- 12 INSTALL 2" HMA CONFORM OVER 6" AB (1,065 SF± TOTAL THIS DWG)
- 13 PROTECT EXISTING UTILITY MARKER IN PLACE
- 14 PROTECT EXISTING MAILBOX IN PLACE
- 15 BACKFILL WITH NATIVE MATERIALS COMPACTED TO 80% RELATIVE COMPACTION. PLACE 3" OF "WALK ON BARK" FINISHED GRADE OF BARK SHALL BE 1" BELOW CURB AND SIDEWALK FINISH GRADE (77 SF± TOTAL THIS DWG)
- 16 REMOVE AND DISPOSE OF EXISTING SIGN. INSTALL NEW STOP. STREET SIGN AND SIGN POST PER CITY 601 (2 TOTAL THIS DWG)
- 17 INSTALL 8" WIDE TUBE STEEL FARM GATE (2 TOTAL THIS DWG)

SCALE: HORIZONTAL 1" = 20'
VERTICAL 1" = 2'

STATION	5+50	6+00	6+50	7+00	7+50	8+00	8+50	9+00	9+50	10+00
EX. G. ELEV.										
CL. ELEV.	241.77	241.70	241.83	242.02	242.10	242.31	242.58	242.83	243.02	243.14
(FL. LT. ELEV.)	[241.09]	[241.21]	[241.96]	[241.74]	[241.91]	[241.96]	[242.11]	[242.26]	[242.41]	[242.56]
(FL. RT. ELEV.)	[241.06]	[241.21]	[241.96]	[241.74]	[241.91]	[241.96]	[242.11]	[242.26]	[242.41]	[242.56]



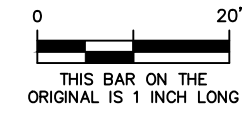
4-18-25
APPROVED: *Jeffrey I. Rao*
DATE: APRIL, 2025

PREPARED FOR:
CITY OF ORLAND

RAR
ROLLS ANDERSON & ROLLS
CIVIL ENGINEERS
115 YELLOWSTONE DRIVE • CHICO, CALIFORNIA 9573-5811 • TELEPHONE 530-895-1422

ROAD M 1/2 REHABILITATION PROJECT
STREET IMPROVEMENT PLAN

DESIGNED	JIR
DRAWN	CAD
CHECKED	PWR
DRAWING NO.	4 OF 6
JOB NO.	20014



DEMOLITION NOTES

- ① REMOVE AND DISPOSE OF EXISTING CURB (20 LF± TOTAL THIS DWG)
- ② SAWCUT NEAT LINE AND REMOVE AND DISPOSE OF EXISTING MATERIALS

WATER CONSTRUCTION NOTES

- ① ADJUST WATER VALVE TO FINISH GRADE PER CITY OF ORLAND STD. 305 (2 TOTAL THIS DWG)
- ② CONNECT TO EXISTING WATER MAIN (2 TOTAL THIS DWG)
- ③ INSTALL 8" DIA. GATE VALVE (3 TOTAL THIS DWG)
- ④ INSTALL 8" DIA. TEE
- ⑤ INSTALL 8" DIA. PVC WATER MAIN (41 LF± TOTAL THIS DWG)

IRRIGATION CONSTRUCTION NOTES

- A CONNECT TO EXISTING IRRIGATION PIPE. CONTRACTOR SHALL POTHOLE TO VERIFY PIPE SIZE AND MATERIALS PRIOR TO ORDERING MATERIALS
- B INSTALL 18" DIA. 45° PVC IRRIGATION ELBOW (1 TOTAL THIS DWG)
- C INSTALL 18" DIA. SDR 64 GRAVITY IRRIGATION P.I.P. MAIN WITH 18" MINIMUM OF COVER, S=0.0030 (52 LF± TOTAL THIS DWG)
- D INSTALL 18" DIA. SDR 64 IRRIGATION P.I.P. TEE
- E INSTALL 18" DIA. FRESNO SERIES 4000 LINE GATE VALVE OR APPROVED EQUAL
- F INSTALL 18" DIA. SDR 64 IRRIGATION P.I.P. STUB AND CAP
- G INSTALL 18" DIA. SDR 64 GRAVITY IRRIGATION P.I.P. MAIN WITH 18" MINIMUM OF COVER, S=0.0030 (141 LF± TOTAL THIS DWG)

STORM DRAIN CONSTRUCTION NOTES

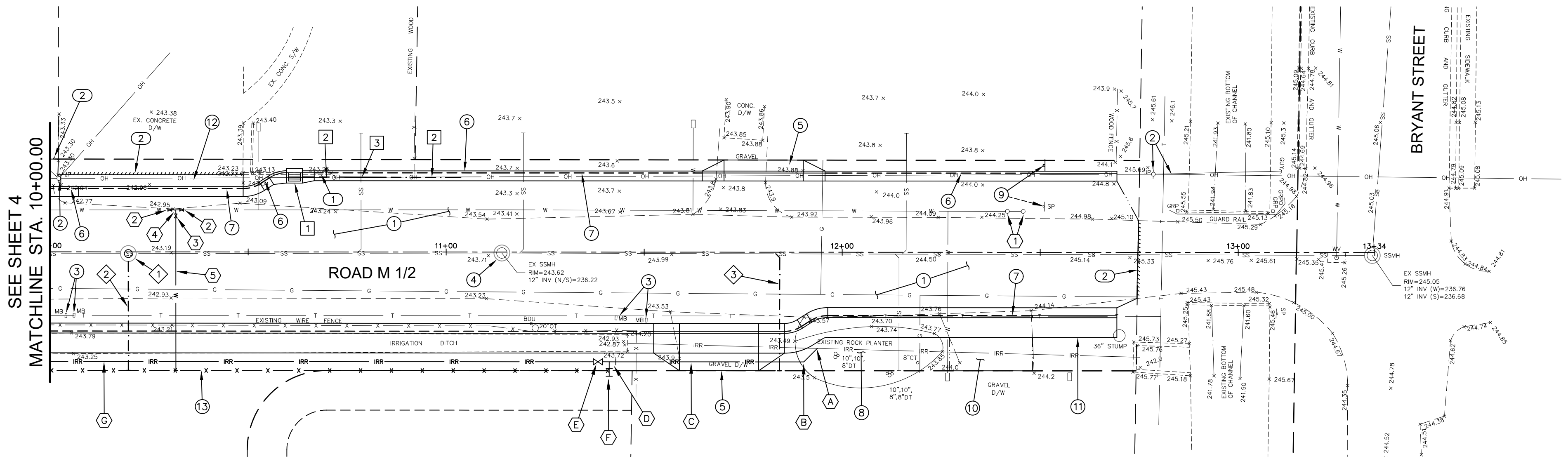
- ① INSTALL CITY STD. 401 TYPE 1 DROP INLET, FL=242.74, GR=242.64, 12" INV.=239.54
- ② INSTALL 35 L.F. 12" DIA. HDPE PERFORATED S.D. PIPE PER DETAIL ON DWG. 2, S=0.0000
- ③ INSTALL 5 L.F. 12" DIA. HDPE S.D. PIPE, S=0.0000

SEWER CONSTRUCTION NOTES

- ① INSTALL CITY STD. 406 STANDARD MANHOLE; RIM=243.10, EX. 12" INV(N/S)=236.01 (VERIFY), 8" INV(E)=236.34
- ② INSTALL 30 LF± OF 8" DIA. PVC SEWER MAIN AND CAP END, S=0.0030, UPSTREAM INV=236.43
- ③ INSTALL CITY STD. 503 4" DIA. PVC SEWER SERVICE, S=0.0200 (1 TOTAL THIS DWG)

CONSTRUCTION NOTES

- ① PLACE 3" HMA OVER 8" CLASS 2 A.B. COMPACTED TO 95% RELATIVE COMPACTION OVER 12" OF SUBGRADE SCARIFIED AND COMPACTED TO 95% COMPACTION
- ② USE CAUTION WHEN WORKING NEAR UTILITY POLE, GUY WIRE OR OVERHEAD LINE, PROTECT IN PLACE
- ③ RELOCATE EXISTING MAILBOX BEHIND EDGE OF PAVEMENT, CURB OR SIDEWALK (4 TOTAL THIS DWG)
- ④ ADJUST SANITARY SEWER MANHOLE FRAME AND COVER TO FINISH GRADE PER CITY STD. 409 (1 TOTAL THIS DWG)
- ⑤ INSTALL CITY STD. 205 RESIDENTIAL DRIVEWAY (354 SF± TOTAL THIS DWG)
- ⑥ INSTALL CITY STD. 202 6" VERTICAL CURB AND GUTTER (114 LF± TOTAL THIS DWG)
- ⑦ INSTALL CITY STD. 202 ROLLED CURB AND GUTTER (423 LF± TOTAL THIS DWG)
- ⑧ RELOCATE EXISTING ROCKS OUTSIDE OF CONSTRUCTION LIMITS. PROTECT REMAINING ROCK PLANTER IN PLACE
- ⑨ REMOVE AND DISPOSE OF EXISTING SIGN. INSTALL NEW SIGN AND SIGN POST PER CITY 601 (1 TOTAL THIS DWG)
- ⑩ INSTALL 2" HMA CONFORM OVER 6" AB (193 SF± TOTAL THIS DWG)
- ⑪ INSTALL CITY STD. 204 5' WIDE SIDEWALK (1,187 SF± TOTAL THIS DWG)
- ⑫ INSTALL 6" CONCRETE CONFORM OVER 2" AB (98 SF± TOTAL THIS DWG)
- ⑬ CONNECT TO EXISTING FENCE AND INSTALL 6"x6" SQUARE WIRE FENCE WITH SINGLE STRAND OF BARBED WIRE ALONG TOP OF POSTS (148 LF± TOTAL THIS DWG)



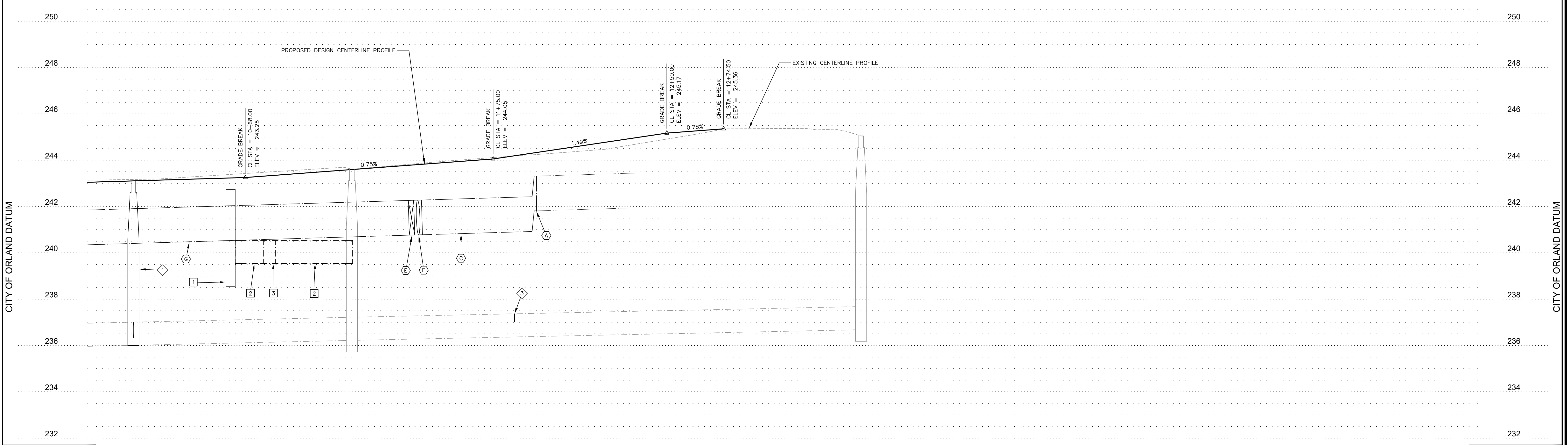
SEE SHEET 4
MATCHLINE STA. 10+00.00

BRYANT STREET

ROAD M 1/2

SCALE: HORIZONTAL 1" = 20'
VERTICAL 1" = 2'

STATION	10+50	11+00	11+50	12+00	12+50	13+00
EX. G. ELEV.	243.05	243.31	243.63	244.29	244.61	245.37
CL. ELEV.	243.05	243.20	243.49	244.43	245.17	245.93
(FL. LT. ELEV.)	[242.96]	[242.79]	[243.00]	[243.94]	[244.68]	
(FL. RT. ELEV.)	[242.96]	[242.71]	[243.00]	[244.02]	[244.96]	



CITY OF ORLAND DATUM

CITY OF ORLAND DATUM



4-18-25
APPROVED
Jeffrey L. Rado
DATE APRIL, 2025

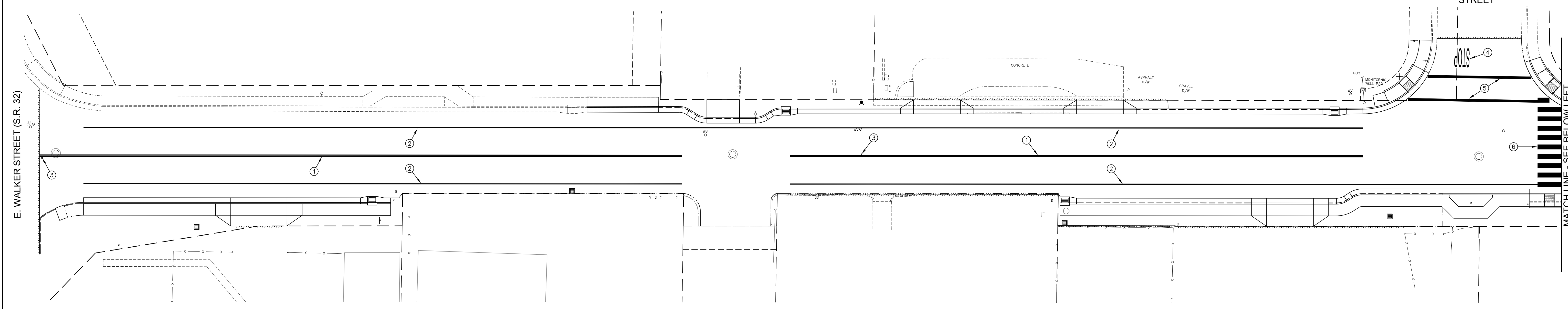
PREPARED FOR:
CITY OF ORLAND



ROAD M 1/2 REHABILITATION PROJECT
STREET IMPROVEMENT PLAN

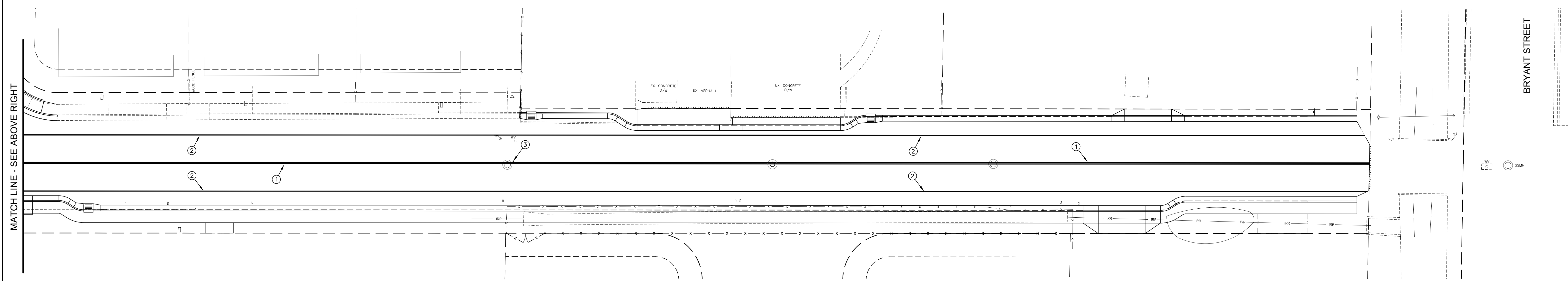
DESIGNED	JIR
DRAWN	CAD
CHECKED	PWR
DRAWING NO.	5 OF 6
JOB NO.	20014

SCALE: 1" = 20'



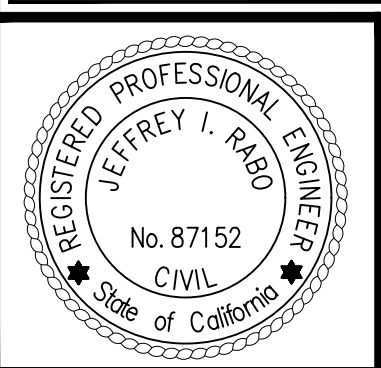
STRIPING NOTES

- ① INSTALL CALTRANS A20A, 4" WIDE DETAIL 21 CENTERLINE (2,188 LF± TOTAL THIS DWG)
- ② INSTALL CALTRANS A20B, 4" WIDE DETAIL 27B TRAFFIC LINE (2,268 LF± TOTAL THIS DWG)
- ③ PLACE BLUE REFLECTIVE MARKER AT CENTERLINE OF ROAD AT FIRE HYDRANT LOCATION PER CITY STD. 301A (3 TOTAL THIS DWG)
- ④ INSTALL CALTRANS A24D "STOP" LEGEND (22 SF± TOTAL THIS DWG)
- ⑤ INSTALL CALTRANS BASIC CROSSWALK PAVEMENT MARKING (100 SF± TOTAL THIS DWG)
- ⑥ INSTALL CALTRANS CONTINENTAL CROSSWALK PAVEMENT MARKING (190 SF± TOTAL THIS DWG)



MATCH LINE - SEE ABOVE RIGHT

BRYANT STREET



4-18-25
APPROVED
Jeffrey I. Rado
DATE APRIL, 2025

PREPARED FOR :
CITY OF ORLAND

RAR
ROLLS ANDERSON & ROLLS
CIVIL ENGINEERS
115 YELLOWSTONE DRIVE • CHICO, CALIFORNIA 9573-5811 • TELEPHONE 530-895-1422

ROAD M 1/2 REHABILITATION PROJECT
STRIPING PLAN

DESIGNED	JIR
DRAWN	CAD
CHECKED	PWR
DRAWING NO.	6 OF 6
JOB NO.	20014

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