CITY OF PLACERVILLE, CALIFORNIA
ENGINEERING DEPARTMENT
PROJECT PLANS FOR:

UPPER BROADWAY BIKE LANES CIP# 41508
(INCLUDING UPPER BROADWAY PEDESTRIAN CONNECTION)

PROJECT No. CML - 5015 (027 & 029)

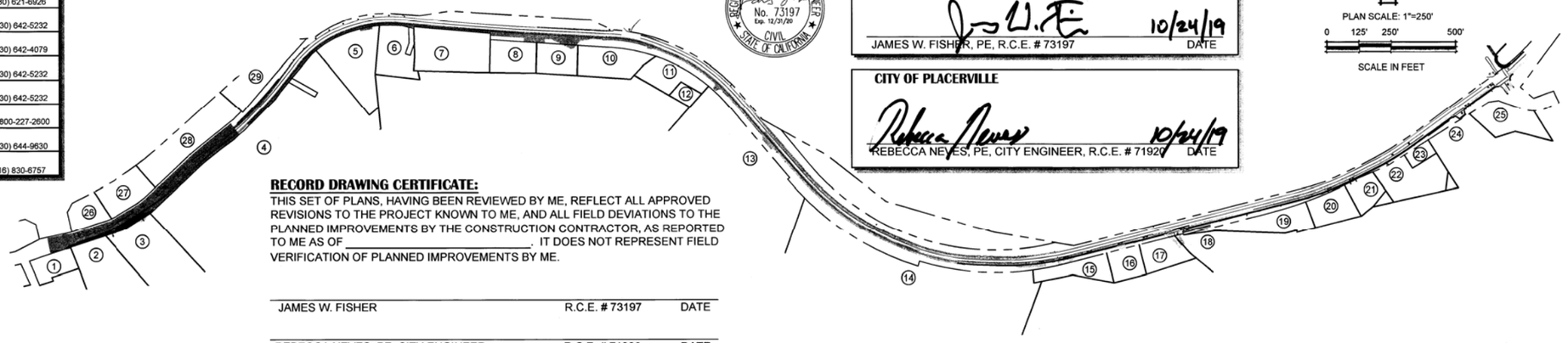
TO BE SUPPLEMENTED BY CALTRANS 2018 STANDARD PLANS, REVISED STANDARD PLANS, & SPECIFICATIONS (CURRENT TO SEPTEMBER 1ST, 2019)

UTILITY REPRESENTATIVES

	REPRESENTATIVE	TELEPHONE
GAS PG & E	JENNIFER DONOVAN	O: (530) 621-7228 C: (530) 383-0973
ELECTRICITY PG & E	JENNIFER DONOVAN	O: (530) 621-7228 C: (530) 383-0973
TELEPHONE AT&T	DARREN MORTENSEN	(530) 621-6926
WATER - WEST OF AIRPORT RD CITY OF PLACERVILLE	PUBLIC WORKS DEPT	(530) 642-5232
WATER - EAST OF AIRPORT RD EL DORADO IRRIGATION DISTRICT	PATRICK WILSON	(530) 642-4079
SEWER CITY OF PLACERVILLE	PUBLIC WORKS DEPT	(530) 642-5232
DRAINAGE CITY OF PLACERVILLE	PUBLIC WORKS DEPT	(530) 642-5232
U.S.A. U.S.A.		1-800-227-2600
FIRE FIRE DEPARTMENT	BRANDON MCKAY	(530) 644-9630
CABLE TV COMCAST	STEVE ABELIA	(916) 830-6757

SHEET INDEX

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C02 - DETAILS & LEGEND
C03 - DETAILS
C04 - DETAILS
C05 - DRIVEWAY & RAMP DETAILS 1-9
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C07 - DRIVEWAY & RAMP DETAILS 17-20
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C10 - DEMOLITION PLAN 53+50 - 75+81
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C12 - PAVING PLAN 31+50 - 53+50
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C36 - STORM DRAIN PLAN & PROFILE - SD-2 - SD-4
C37 - STORM DRAIN PLAN & PROFILE - SD-5 AND SD-6
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C41 - PERMANENT EROSION CONTROL PLAN 10+00 - 31+50
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S01 - RW1 GENERAL PLAN
S02 - RW1 DETAILS
S03 - RW1 WALL DRAIN DETAILS
S04 - RW1 CABLE RAILING
S05 - RW2 GENERAL PLAN
S06 - RW2 DETAILS
S07 - RW3 GENERAL PLAN
S08 - RW3 DETAILS
S09 - RW3 DETAILS
S10 - RW4 GENERAL PLAN
S11 - RW5 GENERAL PLAN
S12 - RW6 GENERAL PLAN
S13 - RW7 GENERAL PLAN
S14 - WALL DETAILS
S15 - WALL DETAILS



REGISTERED PROFESSIONAL ENGINEER
JAMES W. FISHER
No. 73197
Exp. 12/31/20
CIVIL
STATE OF CALIFORNIA

DESIGNED UNDER THE DIRECTION OF

JAMES W. FISHER, PE, R.C.E. # 73197 — DATE 10/24/19

CITY OF PLACERVILLE

REBECCA NEVES, PE, CITY ENGINEER, R.C.E. # 71920 — DATE 10/24/19

PLAN SCALE: 1"=250'
0 125' 250' 500'
SCALE IN FEET

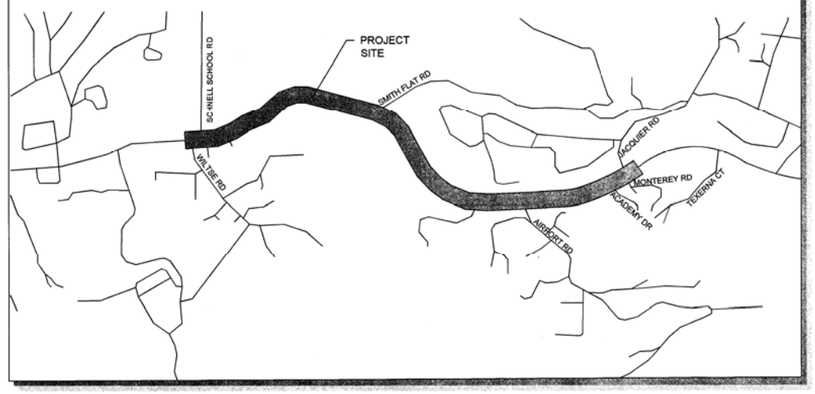
RECORD DRAWING CERTIFICATE:
THIS SET OF PLANS, HAVING BEEN REVIEWED BY ME, REFLECT ALL APPROVED REVISIONS TO THE PROJECT KNOWN TO ME, AND ALL FIELD DEVIATIONS TO THE PLANNED IMPROVEMENTS BY THE CONSTRUCTION CONTRACTOR, AS REPORTED TO ME AS OF _____. IT DOES NOT REPRESENT FIELD VERIFICATION OF PLANNED IMPROVEMENTS BY ME.

JAMES W. FISHER — R.C.E. # 73197 — DATE

REBECCA NEVES, PE, CITY ENGINEER — R.C.E. # 71920 — DATE

VICINITY MAP

NOT TO SCALE



GENERAL NOTES:

OWNER OF RECORD
CITY OF PLACERVILLE
3101 CENTER ST.
PLACERVILLE, CALIFORNIA 95667
(530) 621-2489

GEOTECHNICAL ENGINEERING REPORT
TITLE: GEOTECHNICAL REPORT
UPPER BROADWAY BIKE LANES
CITY OF PLACERVILLE, CALIFORNIA
DATE: OCTOBER 2019
WORK ORDER: P15055
PREPARED BY: WRECO

BENCH MARK
SEE SHEETS C17 - C34 FOR BENCHMARK INFORMATION.

BASIS OF BEARING
HORIZONTAL DATUM: NAD83(2007)
CALIFORNIA ZONE 2, U.S. SURVEY FEET
VERTICAL DATUM: NAVD88
PIDS OF GEODETIC CONTROL POINTS HELD: AC9231, AC9233, DH6459

GRID TO GROUND CONVERSION: GRID / 0.9984396 = GROUND

① APN: 004-191-48
ADDRESS: 1390 BROADWAY
OWNER: ESPINOZA PROPERTIES II LLC

② APN: 004-191-49
ADDRESS: 1400 BROADWAY
OWNER: J&V ACCETTURA

③ APN: 004-191-50
ADDRESS: 1412 BROADWAY
OWNER: JAMES AND SUSAN OBRIEN

④ APN: 004-201-22
ADDRESS: 1426 BROADWAY
OWNER: KAPRE PROPERTIES INC

⑤ APN: 004-201-14
ADDRESS: 1486 BROADWAY
OWNER: KAPRE PROPERTIES INC

⑥ APN: 004-201-12
ADDRESS: 1500 BROADWAY
OWNER: VINOD & KUSUMBEN PATEL

⑦ APN: 004-201-24
ADDRESS: 1540 BROADWAY
OWNER: RICHARD ROOD

⑧ APN: 049-100-14
ADDRESS: 1560 BROADWAY
OWNER: KULDIP SINGH

⑨ APN: 049-100-15
ADDRESS: 1600 BROADWAY
OWNER: KULDIP SINGH

⑩ APN: 049-100-16
ADDRESS: 1610 BROADWAY
OWNER: FAM LP NAHIBERUTI

⑪ APN: 049-170-13
ADDRESS:1624 BROADWAY
OWNER: CHRISTIAN MCFADDEN

⑫ APN: 049-170-12
ADDRESS: 1622 BROADWAY
OWNER: MARK & GINA HALE

⑬ APN: 049-170-07
ADDRESS: 1676 BROADWAY
OWNER: HARISH & SIMRAN PATEL

⑭ APN: 049-170-15
ADDRESS: 1700 BROADWAY
OWNER: BARRY WILKINSON

⑮ APN: 049-190-25
ADDRESS: 1750 BROADWAY
OWNER: JERMSTAD INVESTMENTS

⑯ APN: 049-190-24
ADDRESS: 1770 BROADWAY
OWNER: LESTER & GAIL RUSSELL

⑰ APN: 049-190-23
ADDRESS: 1778 BROADWAY
OWNER: RICHARD & SHELLIA SCHERER

⑱ APN: 049-190-06
ADDRESS: 3025 AIRPORT RD
OWNER: RICK & AMY NICHELINI

⑲ APN: 049-350-29
ADDRESS: 1850 BROADWAY
OWNER:BENJAMIN RENTFROW

⑳ APN: 049-350-30
ADDRESS: 1864 BROADWAY
OWNER: NORTHERN CA CONF SDA

㉑ APN: 049-350-19
ADDRESS: 1868 BROADWAY
OWNER: ROMAN CATHOLIC BISHOP OF SACRAMENTO

㉒ APN: 049-350-21
ADDRESS: 1866 BROADWAY
OWNER: AURELIANO & LORENA CEJA

㉓ APN: 049-350-22
ADDRESS: 1882 BROADWAY
OWNER: STEPHEN TOLENTINO

㉔ APN: 048-380-10
ADDRESS: 1900 BROADWAY
OWNER: SEVENTH DAY ADVENTISTS

㉕ APN: 049-350-23
ADDRESS: UNKNOWN
OWNER: GP FILLMAN FOUNDATION

㉖ APN: 002-261-34
ADDRESS: 1405 BROADWAY
OWNER: GARY PEREZ

㉗ APN: 002-261-35
ADDRESS: 1415 BROADWAY
OWNER: LMTD PARTNERSHIP

㉘ APN: 002-261-36
ADDRESS: 1449 BROADWAY
OWNER: SANTOS & ALBA ORTIZ

㉙ APN: 002-261-38
ADDRESS: 1469 BROADWAY
OWNER: CHARLES OLSON

NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: AS NOTED
VERT. SCALE: N/A

R.E.Y. ENGINEERS, INC.
Civil Engineers | Land Surveyors | LiDAR
925 Sutter Street, Suite 200 Folsom, CA 95630
Phone (916) 355-3303 Fax (916) 355-3323

UPPER BROADWAY BIKE LANES
CIP# 41508
TITLE SHEET
CITY OF PLACERVILLE CALIFORNIA

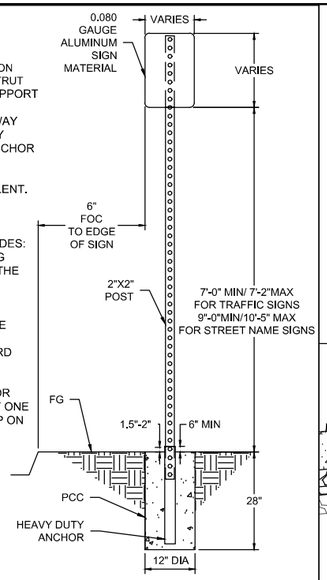
DRAWING INFO
DATE: 10/24/2019
DRAFTER: KP/CM/GVR
DESIGNER: CASR
REVIEWER: JWF

PROJECT NO.
6884.003
SHEET NO. C01 OF C43

R:\6884 – City of Placerville\003 – Upper Broadway Bike Lanes\10 – CAD Drawings\Improvement Plans\6884.003 TITLE SHEET.dwg Oct 24, 2019 – 11:18am, khoover

NOTES:

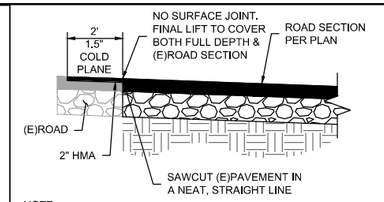
1. THE SIGN INSTALLATION SHALL USE THE UNISTRUT TELESPAR® SIGN SUPPORT SYSTEM WITH A 2", 12-GAUGE BREAKAWAY POST, FITTED HEAVY DUTY ONE-PIECE ANCHOR & DRIVE RIVET FASTENERS OR APPROVED EQUIVALENT.
2. THE POST SHALL BE SECURED TO THE ANCHOR ON TWO SIDES: 1-FACING ONCOMING TRAFFIC, 1-FACING THE ROADWAY.
3. FOR CONCRETE SPECIFICATIONS SEE SECTION 90 OF THE CALTRANS STANDARD SPECIFICATIONS.
4. HEAVY DUTY ANCHOR SHOULD HAVE ONLY ONE (1) HOLE AT THE TOP ON ALL FOUR SIDES.



INSTALL/RELOCATE ROADSIDE SIGN

NOT TO SCALE

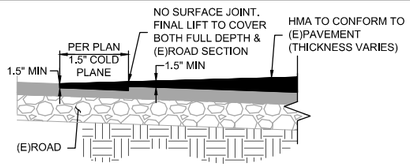
1



NOTE:

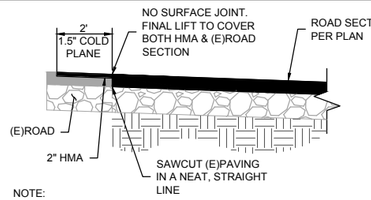
- FULL DEPTH HMA SECTION IS TO BE LEFT 2" LOW SO THAT THE FINAL PAVING LIFT OVERLAPS ONTO (E)ROAD SECTION.
- 2' COLD PLANE NOT SHOWN ON PLANS FOR CLARITY.

FULL DEPTH



DRIVEWAY / ROAD CONFORM

NOT TO SCALE

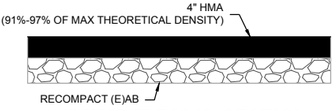


NOTE:

- FULL DEPTH HMA SECTION IS TO BE LEFT 2" LOW SO THAT THE FINAL PAVING LIFT OVERLAPS ONTO (E)ROAD SECTION.
- 2' COLD PLANE NOT SHOWN ON PLANS FOR CLARITY.

4" REMOVE BASE & SURFACING & 4" HMA

2

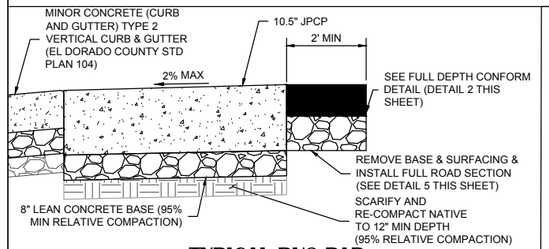


4" HMA TYPICAL SECTION

NOT TO SCALE

NOTES: IF THE THICKNESS OF (E)AC IS GREATER THAN 4", THEN THE CONTRACTOR SHALL REMOVE THE FULL DEPTH OF (E)AC, RECOMPACT THE (E)AB, AND INSTALL 4" OF HMA PLUS THE REMAINING THICKNESS OF AB TO MEET PROPOSED GRADE.

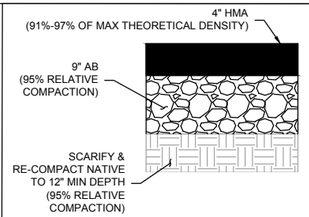
3



TYPICAL BUS PAD

NOT TO SCALE

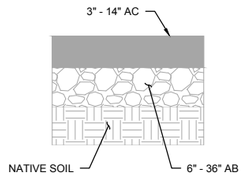
4



FULL DEPTH ROAD SECTION

NOT TO SCALE

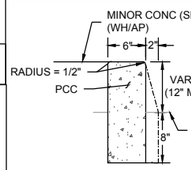
5



TYPICAL (E)ROAD SECTION

NOT TO SCALE

6



NOTE: 2" BATTER IS ONLY NECESSARY WHEN MINOR CONCRETE (CURB) IS INSTALLED ALONG HMA. WHEN NOT ALONG HMA MINOR CONCRETE (CURB) SHALL HAVE A VERTICAL FACE.

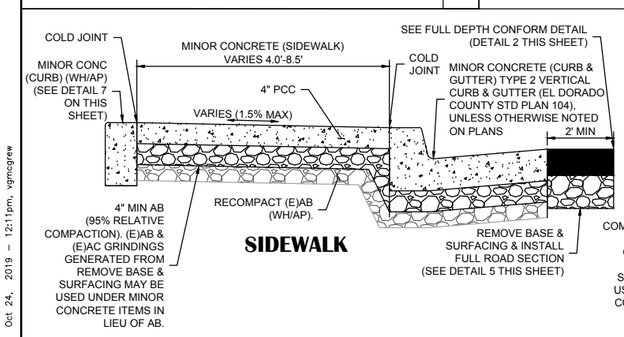
MINOR CONCRETE (CURB)

NOT TO SCALE

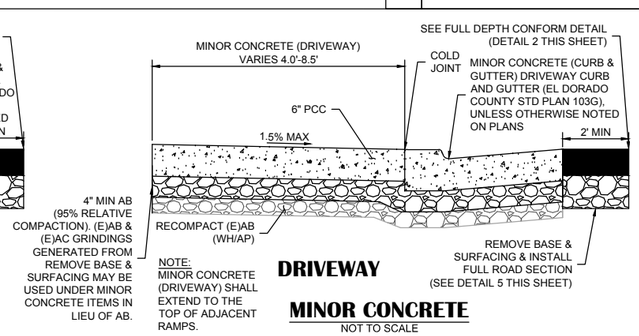
7

ABBREVIATIONS

AB - AGGREGATE BASE
AC - ASPHALT CONCRETE
APN - ASSESSOR PARCEL NUMBER
BOF - BOTTOM OF FOOTING
BMP - BEST MANAGEMENT PRACTICE
C,G,S - CURB, GUTTER & SIDEWALK
CAMUTCD - CALIFORNIA MANUAL OF TRAFFIC CONTROL DEVICES
CIP - CAST-IN-PLACE
CIP# - CAPITAL IMPROVEMENT PROJECT #
CL - CENTERLINE
CLR - CLEAR
CMP - CORRUGATED METAL PIPE
COMM - COMMUNICATION
CONC - CONCRETE
C.P. - CONCRETE PIPE
CT - COURT
DI - DRAINAGE INLET
DIA - DIAMETER
DR - DRIVE
DWY - DRIVEWAY
(E) - EXISTING
(E) - EAST
EDCTA - EL DORADO COUNTY TRANSIT AUTHORITY
EG - EXISTING GRADE
ELEC - ELECTRIC
ELEV - ELEVATION
EP - EDGE OF PAVEMENT
ETW - EDGE OF TRAVEL WAY
(F) - FUTURE
FES - FLARED END SECTION
FG - FINISHED GRADE
FH - FIRE HYDRANT ASSEMBLY
FL - FLOW LINE
FOC - FACE OF CURB
FOW - FACE OF WALL
FT - FEET
H - HORIZONTAL
HDPE - HIGH DENSITY POLYETHYLENE
HMA - HOT MIX ASPHALT
HWLOL - HEADWALL LINE OF LEVEL
HWY - HIGHWAY
IN - INCH
INV - INVERT
JPCP - JOINTED PLAIN CONCRETE PAVEMENT
L - LEFT
LF - LINEAR FOOT
LN - LANE
MAX - MAXIMUM
MGS - MIDWEST GUARDRAIL SYSTEM
MID - MIDDLE
MIN - MINIMUM
MISC. - MISCELLANEOUS
MH - MANHOLE
MPH - MILES PER HOUR
MSE - MECHANICALLY STABILIZED EARTH
N/A - NOT APPLICABLE
(N) - NORTH
(NE) - NORTH EAST
NO. - NUMBER
NTS - NOT TO SCALE
(NW) - NORTHWEST
O.C. - ON CENTER
OG - ORIGINAL GROUND
OH - OVERHEAD
OCPI - OPEN CONCRETE PIPE INLET
PCC - PORTLAND CEMENT CONCRETE
PVMT - PAVEMENT
R - RIGHT
RCB - REINFORCED CONCRETE BOX
RD - ROAD
RSP - REVISED STANDARD PLAN
RSP - ROCK SLOPE PROTECTION
RW - RETAINING WALL
RWLOL - RETAINING WALL LINE OF LEVEL
R/W - RIGHT OF WAY
(S) - SOUTH
S - SLOPE
SD - STORM DRAIN
(SE) - SOUTHEAST
SE - SAND EQUIVALENT
SF - SQUARE FOOT
SFF - SQUARE FOOT FACE
SHLD - SHOULDER
SHT - SHEET
SQ - SQUARE
SS - SANITARY SEWER
ST - STREET
STA - STATION
STD - STANDARD
SW - SIDEWALK
(SW) - SOUTH WEST
TBC - TOP BACK OF CURB
TBW - BACK OF WALK
TFC - TOP FACE OF CURB
TOB - TOP OF BANK
TW - TOP OF WALL
TYP - TYPICAL
V - VERTICAL
W - WEST
WH/AP - WHERE APPLICABLE
WTR - WATER
XING - CROSSING

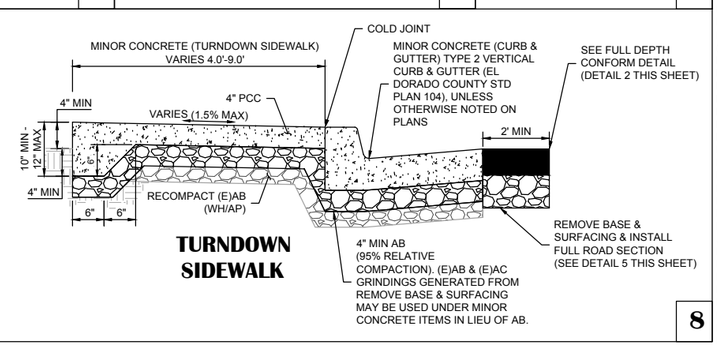


SIDEWALK



NOTE: MINOR CONCRETE (DRIVEWAY) SHALL EXTEND TO THE TOP OF ADJACENT RAMPS.

DRIVEWAY



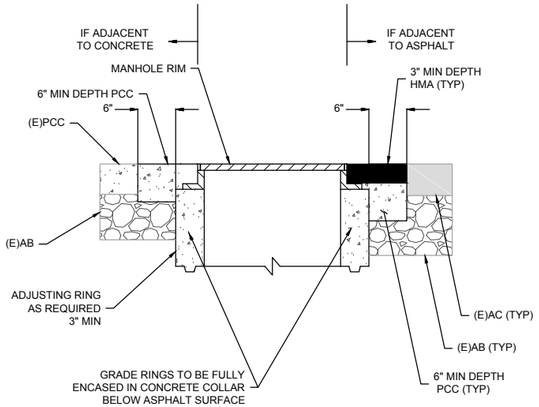
TURNDOWN SIDEWALK

MINOR CONCRETE

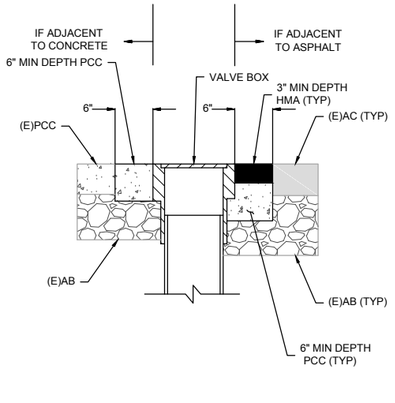
NOT TO SCALE

8

MANHOLE RIM



VALVE BOX



ADJUST UTILITY TO GRADE

NOT TO SCALE

9

LEGEND

- MINOR CONCRETE (SIDEWALK) (4" PCC/4" AB)
- MINOR CONCRETE (SIDEWALK) (4" PCC/4" AB) RAMP
- MINOR CONCRETE (CURB & GUTTER)
- DETECTABLE WARNING SURFACE
- ROADSIDE SIGN
- 18" SD — STORM DRAIN PIPE & SIZE
- DI (TYPE SPECIFIED ON PLAN SHEET)
- SDMH
- OCPI
- UTILITY POLE
- SSMH
- RIGHT OF WAY
- PARCEL LINE
- DAYLIGHT
- HMA DIKE (TYPE SPECIFIED ON PLAN SHEET) (2018 CALTRANS STANDARD PLAN A87B)
- PTEC — PERMIT TO ENTER & CONSTRUCT
- TCE — TEMPORARY CONSTRUCTION EASEMENT
- SS — (E)SANITARY SEWER
- SD — (E)STORM DRAIN
- W — (E)WATER
- OH — (E)OVERHEAD UTILITIES
- C — (E)UNDERGROUND COMMUNICATION
- E — (E)UNDERGROUND ELECTRIC
- 6"SS — (E)SANITARY SEWER PIPE & SIZE
- 8" W — (E)WATER PIPE & SIZE
- 6" SD — (E)STORM DRAIN PIPE & SIZE
- (E)SANITARY SEWER MANHOLE
- (E)SANITARY SEWER CLEANOUT
- (E)STORM DRAIN MANHOLE
- (E)COMMUNICATION MANHOLE
- (E)STORM DRAIN INLET
- (E)STORM DRAIN CULVERT INLET/OUTLET
- (E)WATER METER BOX
- (E)FIRE HYDRANT
- (E)WATER VALVE
- (E)UTILITY POLE
- (E)GUY POLE
- (E)LIGHT POLE
- (E)ELECTRIC BOX
- (E)TELEVISION BOX
- (E)TELEPHONE BOX
- (E)UNKNOWN UTILITY PEDESTAL
- (E)UTILITY VAULT
- (E)TREE
- (E)SIGN



NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE

HOR. SCALE: AS NOTED
VERT. SCALE: N/A

REY ENGINEERS, INC.
Civil Engineers | Land Surveyors
925 Sutter Street, Suite 200 Folsom, CA 95630
Phone (916) 306-3040 Fax (916) 306-3303

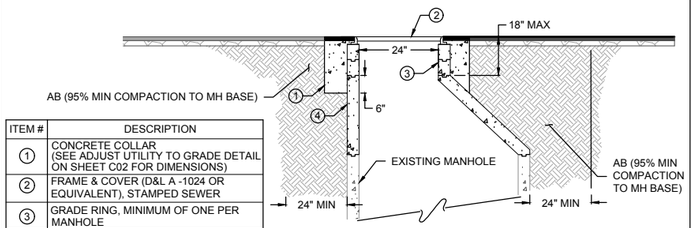
UPPER BROADWAY BIKE LANES
CIP# 41508
DETAILS & LEGEND
CALIFORNIA
CITY OF PLACERVILLE

DRAWING INFO

DATE:	10/24/2019
DRAFTER:	KVG/MG/DR
DESIGNER:	CASB
REVIEWER:	JWF

PROJECT NO.
6884.003
SHEET NO. **C02** OF **C43**

R:\6884 – City of Placerville\003 – Upper Broadway Bike Lanes\10 – CAD Drawings\Improvement Plans\6884.003 DETAILS SHEET.dwg Oct 24, 2019 – 12:11pm, vgmcgrew



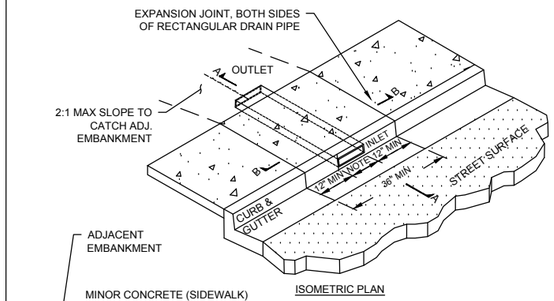
ITEM #	DESCRIPTION
1	CONCRETE COLLAR (SEE ADJUST UTILITY TO GRADE DETAIL ON SHEET C02 FOR DIMENSIONS)
2	FRAME & COVER (D&L A -1024 OR EQUIVALENT), STAMPED SEWER
3	GRADE RING, MINIMUM OF ONE PER MANHOLE
4	ECCENTRIC CONE

ECCENTRIC MANHOLE CONE

NOT TO SCALE

10

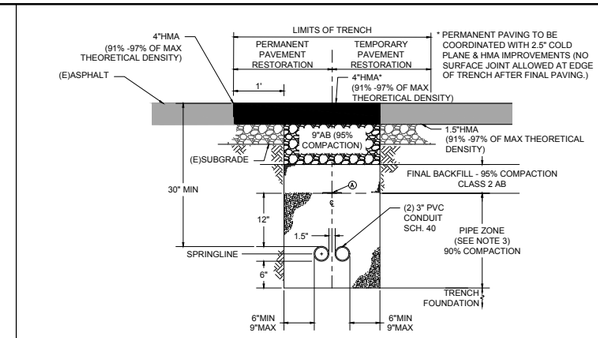
NOTES:
1. 3"x5" RECTANGULAR PIPE HAS A LAYING LENGTH OF 1'-0"
2. FOR INSTALLATION ON 6" CURBS THE OUTSIDE PIPE OF 3"x9" WILL HAVE 4 1/4" x 10 1/4" OUTSIDE HUBS WITH 21.20 SQ IN FLOW AREA & A 5'-0" LAYING LENGTH



UNDER SIDEWALK DRAIN

NOT TO SCALE

12



CONSTRUCTION NOTES
1. PIPE TO BE LAID WITH LABEL UP ON EACH JOINT.
2. COMPACTION IS RELATIVE TO CALTRANS CALIFORNIA TEST 231F OR ASTM 1557.
3. PIPE ZONE BACKFILL SHALL BE 3/8" MINUS IMPORTED SCREENED SAND WITH MIN SAND EQUIVALENT OF 50 PER CALIFORNIA TEST 217-G. IF GROUND WATER IS ENCOUNTERED USE 1" UNIFORM CRUSHED OR NON CRUSHED DRAIN ROCK FREE OF ORGANIC MATTER. DRAIN ROCK TO BE WRAPPED IN GEOTEXTILE FABRIC.

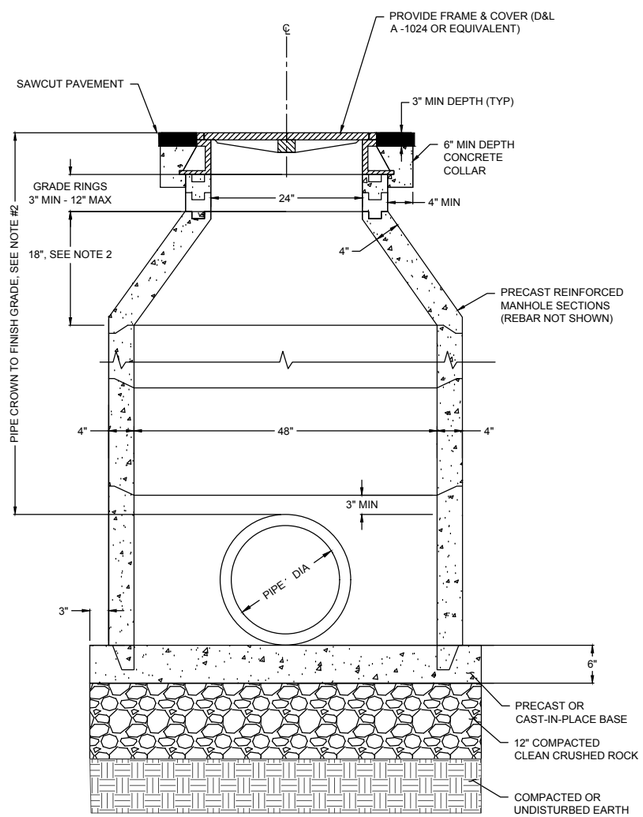
ITEM #	DESCRIPTION
A	12" WIDE NON-METALLIC WARNING TAPE

COMMUNICATIONS CONDUIT TRENCH SECTION

NOT TO SCALE

15

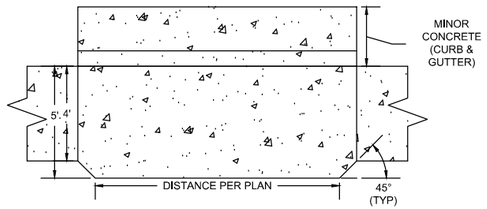
NOTES:
1. ANY CONNECTIONS ABOVE MANHOLE BASE SHALL BE CORED & INSTALLED WITH RESILIENT FLEXIBLE CONNECTION. AN ADDITIONAL FLEXIBLE CONNECTION SHALL BE PLACED 24" OUTSIDE BASE.
2. IF PIPE CROWN TO FINISH GRADE IS BETWEEN 30" & 39", USE A 18" CONE. IF LESS THAN 30" USE A FLAT SLAB TOP.



48" SDMH

NOT TO SCALE

11

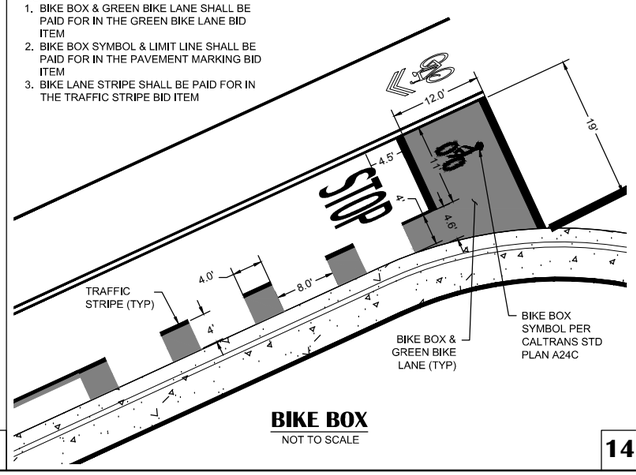


ADA TURN POCKET

NOT TO SCALE

13

NOTES:
1. BIKE BOX & GREEN BIKE LANE SHALL BE PAID FOR IN THE GREEN BIKE LANE BID ITEM
2. BIKE BOX SYMBOL & LIMIT LINE SHALL BE PAID FOR IN THE PAVEMENT MARKING BID ITEM
3. BIKE LANE STRIPE SHALL BE PAID FOR IN THE TRAFFIC STRIPE BID ITEM

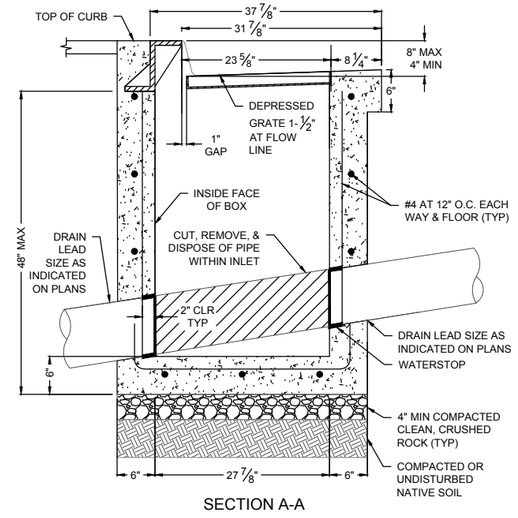


BIKE BOX

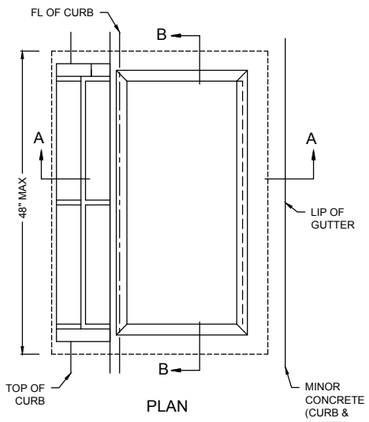
NOT TO SCALE

14

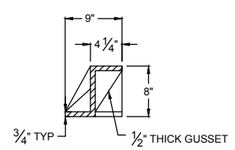
NOTES:
1. DI MAY BE PRECAST OR CAST-IN-PLACE. PRECAST DI TO BE RATED FOR H20 LOADING & SHALL BE APPROVED BY THE ENGINEER.
2. CAST-IN-PLACE CONCRETE DI SHALL CONFORM TO SECTION 51 OF THE CALTRANS STANDARD SPECIFICATIONS. BOTTOM OF DI SHALL BE PLACED AT SAME TIME AS SIDE WALLS, UNLESS NOTED OTHERWISE.
3. FRAME & GRATE SHALL CONFORM TO CALTRANS TYPE 24-12X GRATE AS SHOWN ON CALTRANS STANDARD PLANS D77B, UNLESS NOTED OTHERWISE.
4. REBAR SHOWN FOR CAST-IN-PLACE.



SECTION A-A

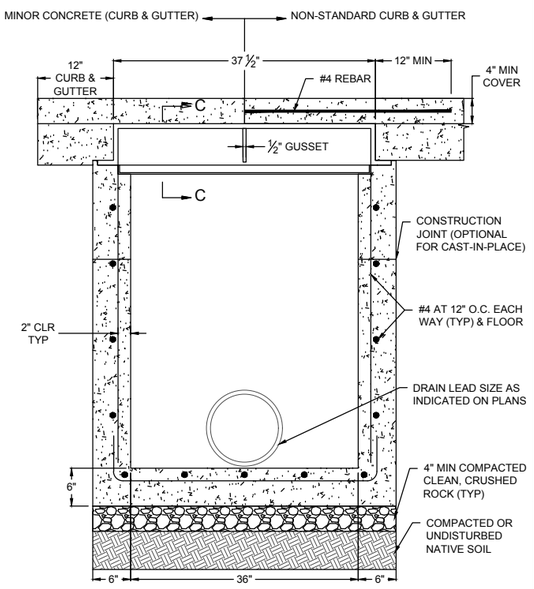


PLAN



SECTION C-C

NOTE:
HOOD MAY BE CAST-IRON OR STEEL



SECTION B-B

SADDLE DI

NOT TO SCALE

16

REVISION DESCRIPTION | CHECKED BY | DATE

REGISTERED PROFESSIONAL ENGINEER JAMES W. FORE No. 73197 Exp. 12/31/20 CIVIL STATE OF CALIFORNIA

DRAWING SCALE
HOR. SCALE: AS NOTED
VERT. SCALE: N/A

REY ENGINEERS, INC.
Civil Engineers | Land Surveyors | LiDAR
925 Sutter Street, Suite 200 Folsom, CA 95630
Phone: (916) 365-3040 Fax: (916) 365-3333

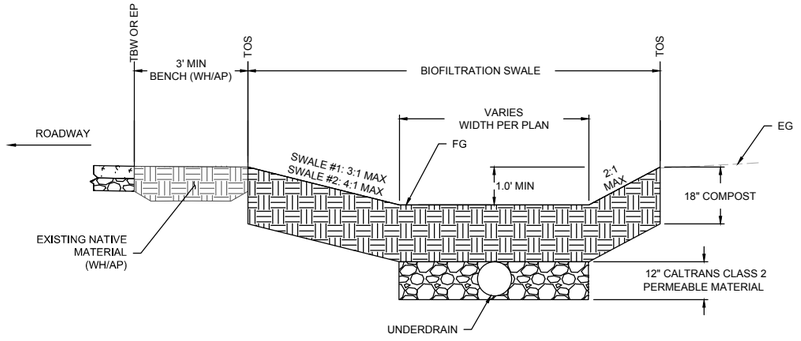
UPPER BROADWAY BIKE LANES
CIP# 41508
DETAILS
CITY OF PLACERVILLE CALIFORNIA

DRAWING INFO
DATE: 10/24/2019
DRAFTER: KI/VGM/GVR
DESIGNER: CASB
REVIEWER: JWF

PROJECT NO. 6884.003
SHEET NO. C03 OF C43

R:\6884 – City of Placerville\003 – Upper Broadway Bike Lanes\10 – CAD Drawings\Improvement Plans\6884.003 DETAILS SHEET.dwg Oct 24, 2019 – 12:11pm, vgmcgrew

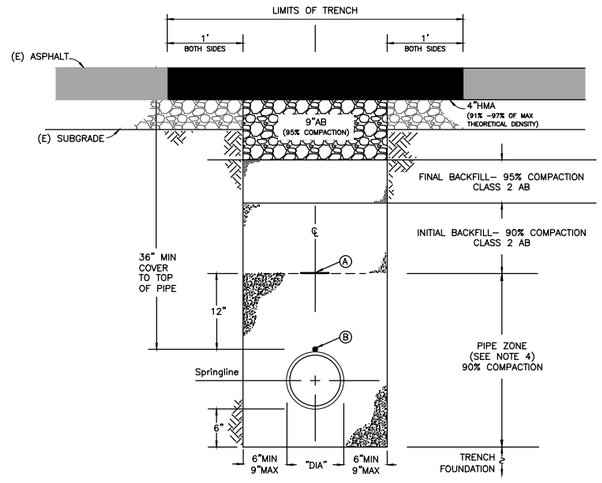
NOTES:
1. BIOFILTRATION #1 STA 38+82 - 39+88 & BIOFILTRATION #2 STA 60+65 - 61+88
2. MAXIMUM LONGITUDINAL SLOPE OF BIOFILTRATION SWALE IS 6%.



BIOFILTRATION SWALE #1 & #2

NOT TO SCALE

17



CONSTRUCTION NOTES
1. PIPE TO BE LAID WITH LABEL UP ON EACH JOINT.
2. COMPACTION IS RELATIVE TO CALTRANS CALIFORNIA TEST 231F OR ASTM 1557.
3. INSTALL #10 TRACER WIRE ON ALL APPURTENANCES.
4. PIPE ZONE BACKFILL SHALL BE 3/8" MINUS IMPORTED SCREENED SAND WITH MIN SAND EQUIVALENT OF 50 PER CALIFORNIA TEST 217-G. IF GROUND WATER IS ENCOUNTERED USE 1" UNIFORM CRUSHED OR NON CRUSHED DRAIN ROCK FREE OF ORGANIC MATTER. DRAIN ROCK TO BE WRAPPED IN GEOTEXTILE FABRIC.

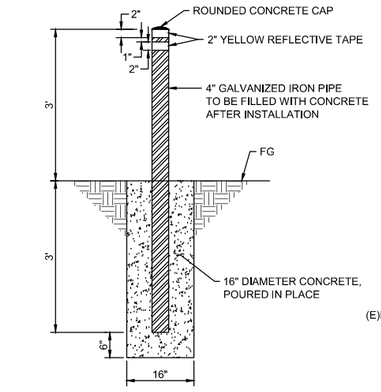
ITEM #	DESCRIPTION
Ⓐ	12" WIDE GREEN NON-METALLIC WARNING TAPE MARKED SEWERLINE
Ⓑ	TRACING WIRE #10 A.W.G. DIR. BUR.

TRENCH WIDTH TABLE		
PIPE SIZE	TOTAL TRENCH WIDTH	
	MIN	MAX
2"	14"	20"
4"	16"	22"
6"	18"	24"
8"	20"	26"

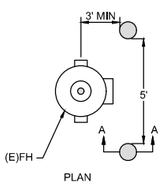
SEWER SERVICE PIPE TRENCH SECTION

NOT TO SCALE

20



SECTION A-A



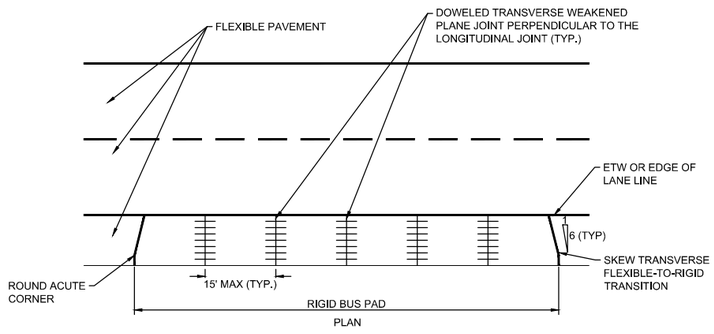
PLAN

NOTES:
1. BOLLARDS SHALL BE 4" DIAMETER GALVANIZED IRON PIPE SET IN CONCRETE AT LEAST 16" IN DIAMETER. THE INSIDE OF POSTS SHALL ALSO BE FILLED WITH CONCRETE WITH SMOOTH MOUND AS TOP CAP.
2. BOLLARDS SHALL BE LOCATED AT LEAST 3' IN FRONT OF HYDRANT, 5' APART.
3. BOLLARDS SHALL EXTEND ABOVE GROUND TO A MINIMUM OF 3'.
4. BOLLARDS SHALL BE OF SUFFICIENT NUMBER TO PROTECT THE HYDRANT, MINIMUM OF 2.

BOLLARD

NOT TO SCALE

18

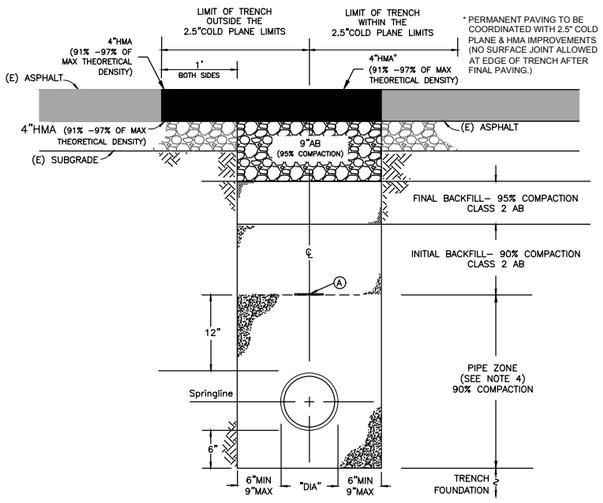


PLAN

RIGID BUS PAD

NOT TO SCALE

19



CONSTRUCTION NOTES
1. PIPE TO BE LAID WITH LABEL UP ON EACH JOINT.
2. COMPACTION IS RELATIVE TO CALTRANS CALIFORNIA TEST 231F OR ASTM 1557.
3. INSTALL #10 TRACER WIRE ON ALL APPURTENANCES.
4. PIPE ZONE BACKFILL SHALL BE 3/8" MINUS IMPORTED SCREENED SAND WITH MIN SAND EQUIVALENT OF 50 PER CALIFORNIA TEST 217-G. IF GROUND WATER IS ENCOUNTERED USE 1" UNIFORM CRUSHED OR NON CRUSHED DRAIN ROCK FREE OF ORGANIC MATTER. DRAIN ROCK TO BE WRAPPED IN GEOTEXTILE FABRIC.

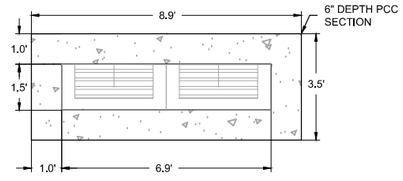
ITEM #	DESCRIPTION
Ⓐ	12" WIDE RED NON-METALLIC WARNING TAPE MARKED STORM DRAIN

TRENCH WIDTH TABLE		
PIPE SIZE	TOTAL TRENCH WIDTH	
	MIN	MAX
12"	24"	30"
15"	34"	40"
18"	40"	46"
24"	46"	52"

STORM DRAIN PIPE TRENCH SECTION

NOT TO SCALE

21



MINOR CONCRETE (DRIVEWAY) STORM DRAIN APRON

NOT TO SCALE

22

PROFESSIONAL ENGINEER
JAMES W. FLEMING
No. 73197
Exp. 12/31/20
CIVIL
STATE OF CALIFORNIA

NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: AS NOTED
VERT. SCALE: N/A

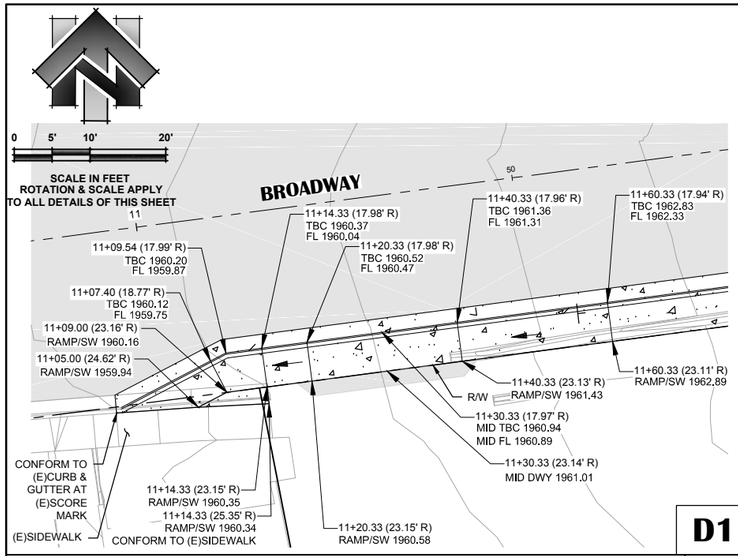
R.E.Y. ENGINEERS, INC.
Civil Engineers | Land Surveyors | LiDAR
925 Sutter Street, Suite 200 Folsom, CA 95630
Phone: (916) 366-3040 Fax: (916) 366-3303

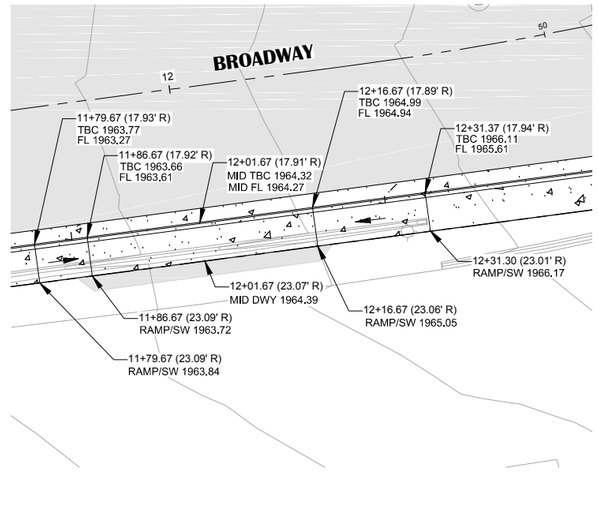
UPPER BROADWAY BIKE LANES
CIP# 41508
DETAILS
CITY OF PLACERVILLE CALIFORNIA

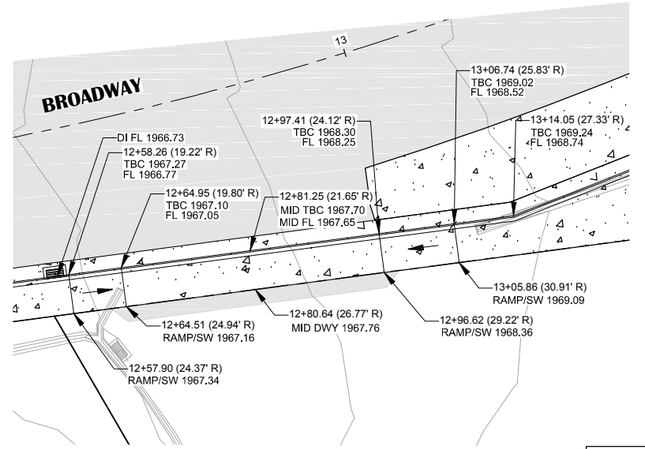
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DATE: 10/24/2019
DRAFTER: KI/VGM/GYB
DESIGNER: CASB
REVIEWER: JWF

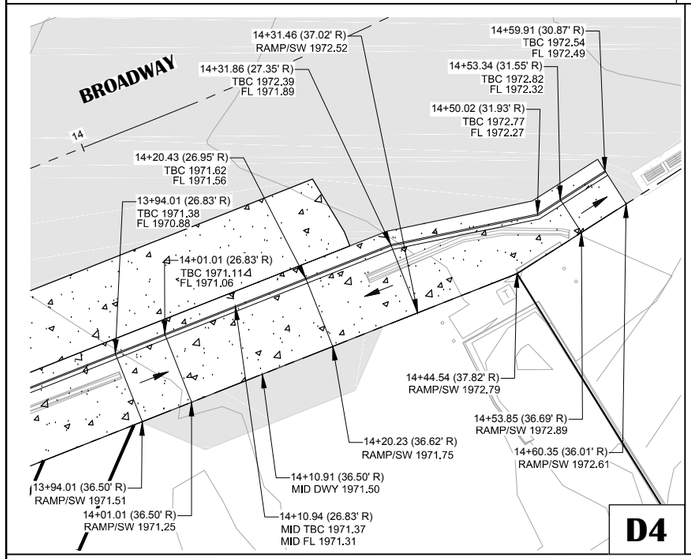
PROJECT NO.
6884.003
SHEET NO. C04 OF C43

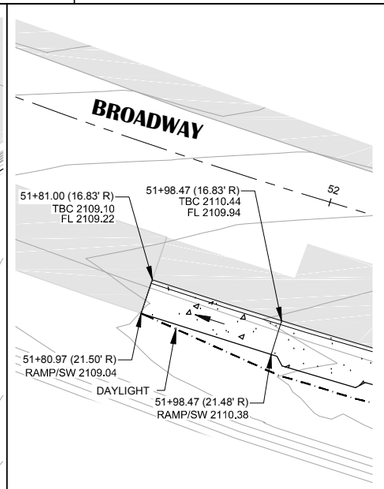
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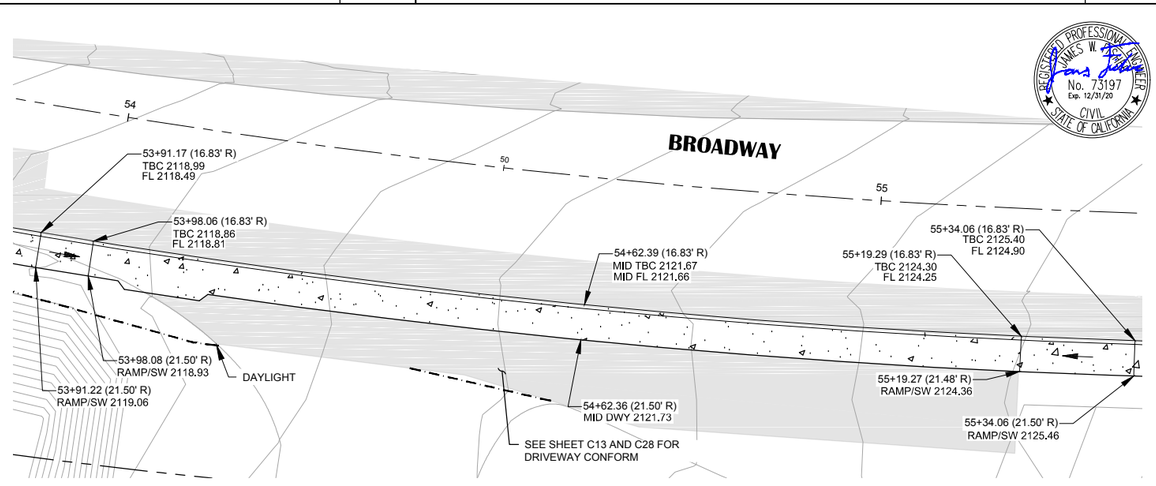


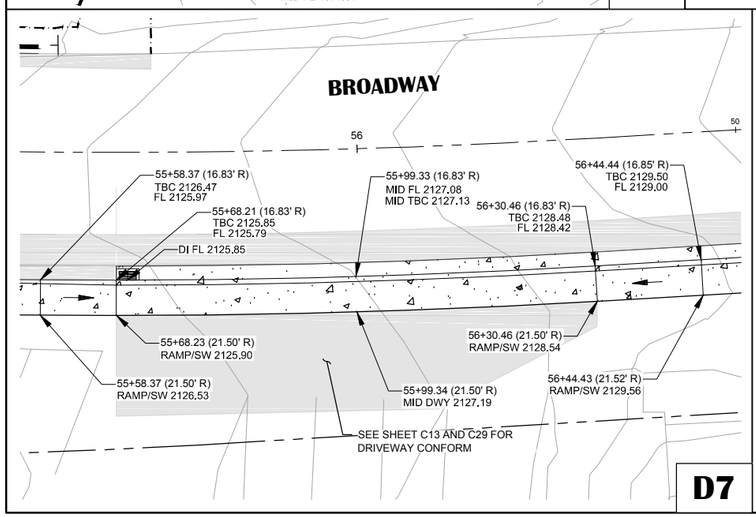


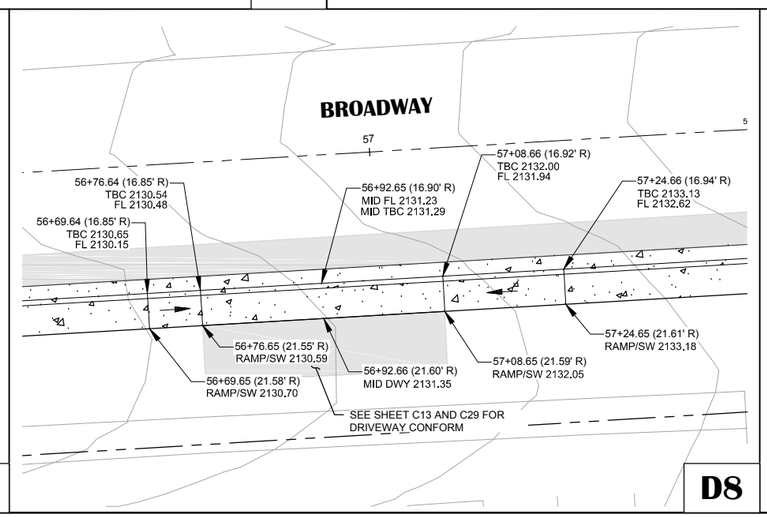


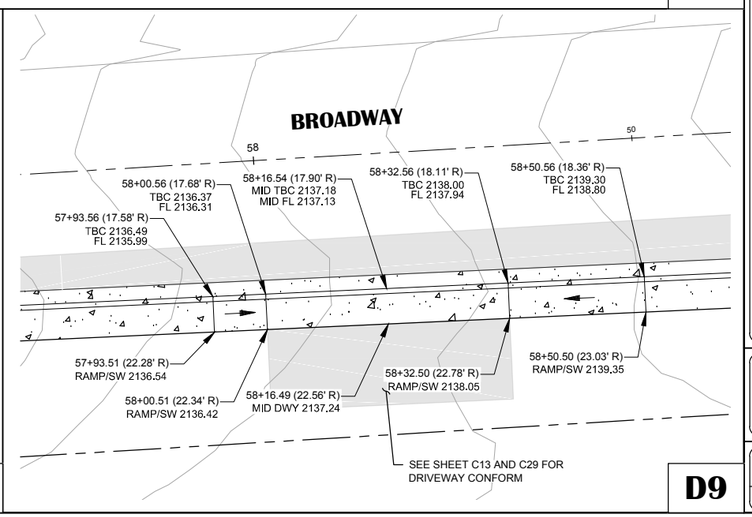












NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: AS NOTED
VERT. SCALE: N/A

REGISTERED PROFESSIONAL ENGINEER
JAMES W. REY
No. 73197
Exp. 12/31/20
CIVIL
STATE OF CALIFORNIA

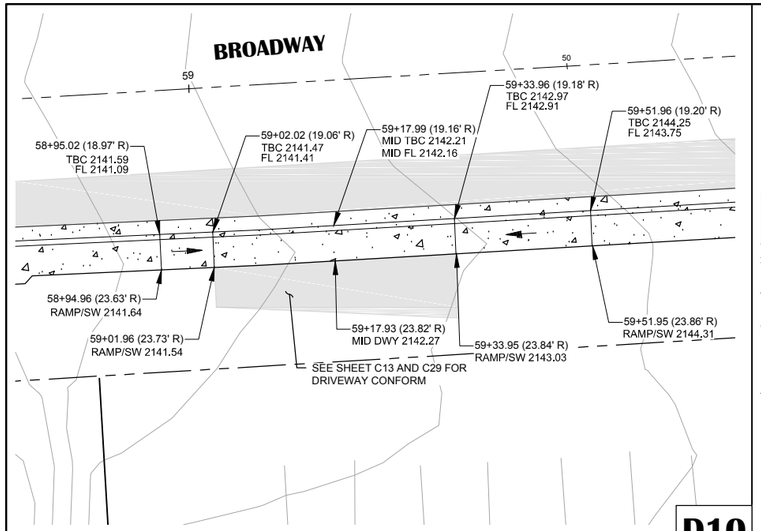
REY ENGINEERS, INC.
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9245 Sutter Street, Suite 200, Folsom, CA 95630
Phone: (916) 365-3040 Fax: (916) 365-3303

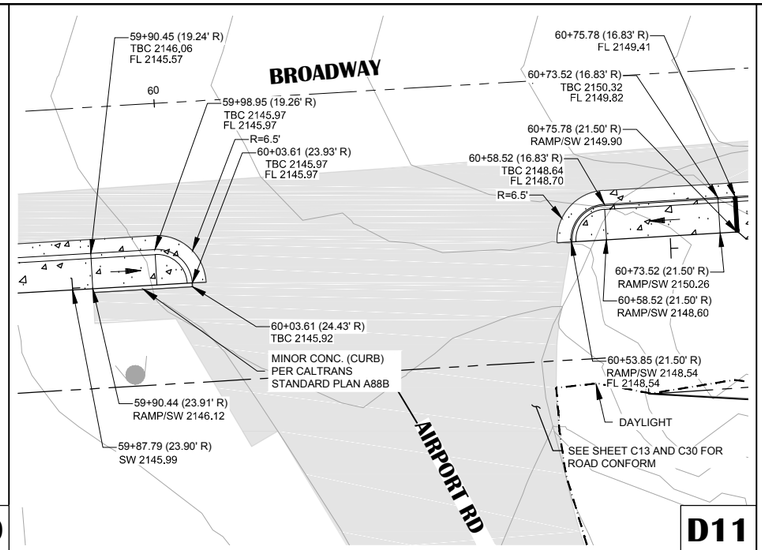
UPPER BROADWAY BIKE LANES
CIP# 41508
DRIVEWAY & RAMP DETAILS 1-9
CALIFORNIA
CITY OF PLACERVILLE

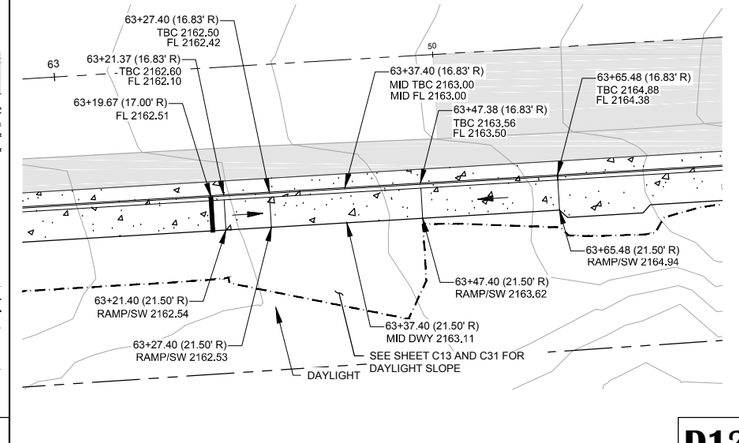
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DATE: 10/24/2019
DRAFTER: KVG/MG/GVR
DESIGNER: CASB
REVIEWER: JWR

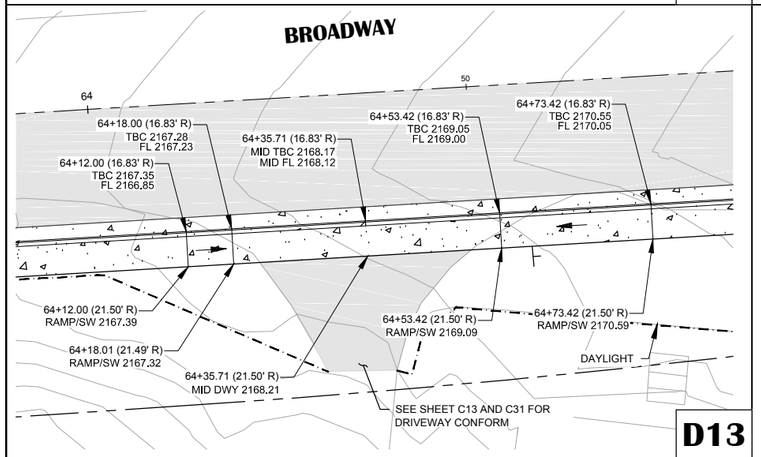
PROJECT NO.
6884.003
SHEET NO. C05 OF C43

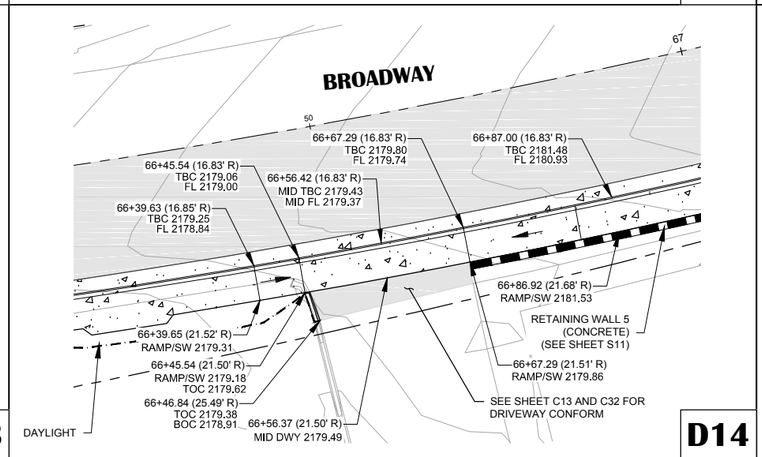
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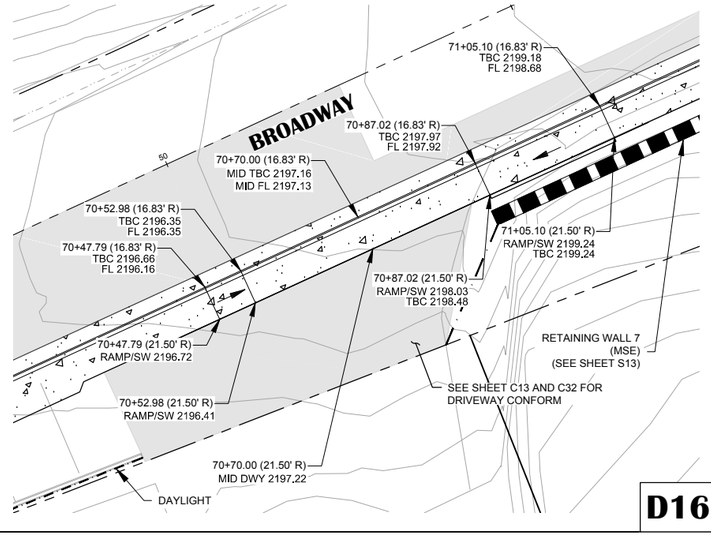


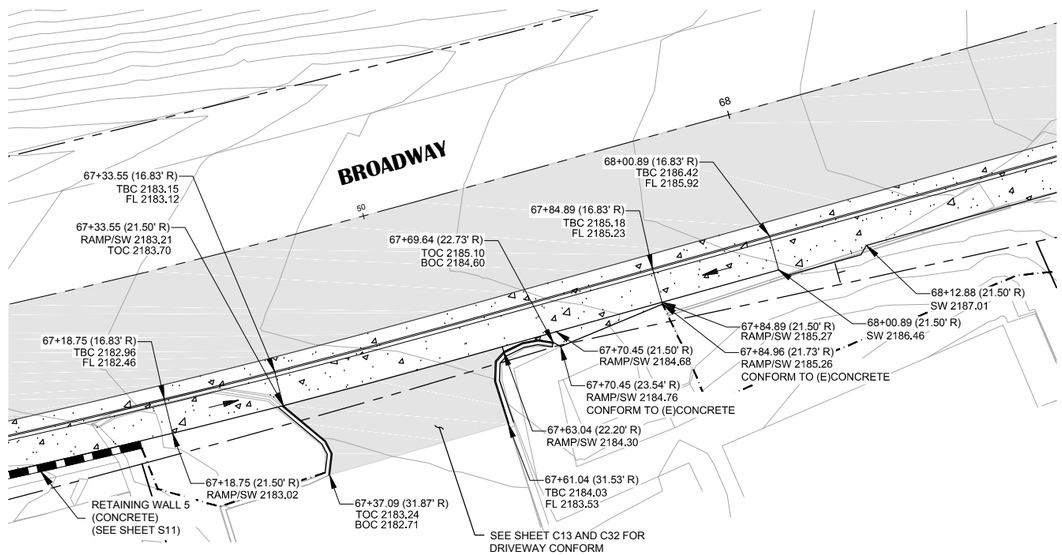












NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE

HOR. SCALE: AS NOTED
VERT. SCALE: N/A

R.E.Y. ENGINEERS, INC.
Civil Engineers | Land Surveyors | LiDAR
925 Sutter Street, Suite 200 Folsom, CA 95630
Phone: (916) 366-3040 Fax: (916) 360-3303

UPPER BROADWAY BIKE LANES
CIP# 41508
DRIVEWAY & RAMP DETAILS 10-16
CALIFORNIA
CITY OF PLACERVILLE

PROFESSIONAL ENGINEER
JAMES W. REY
No. 73197
Exp. 12/31/20
CIVIL
STATE OF CALIFORNIA

0 5' 10' 20'

SCALE IN FEET
ROTATION & SCALE APPLY
TO ALL DETAILS OF THIS SHEET

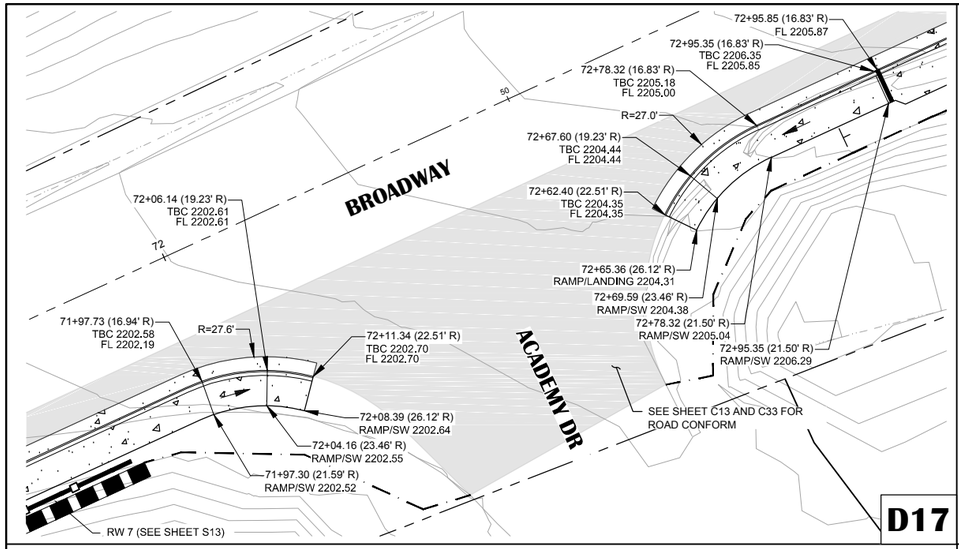
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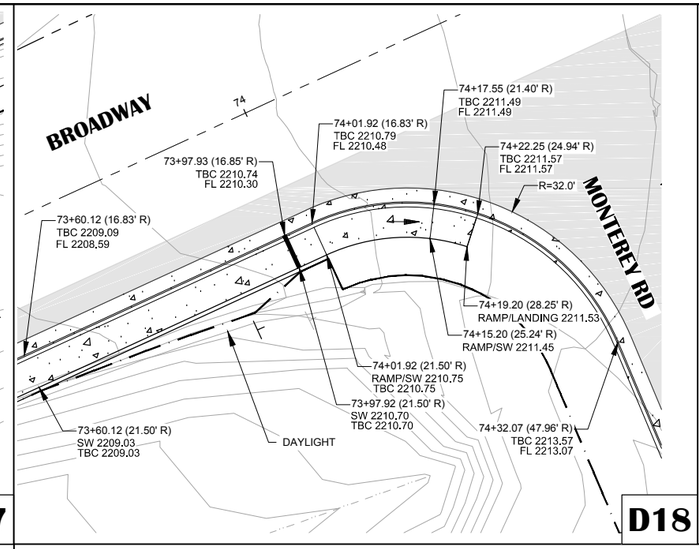
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DRAFTER:	KJ/GM/GR
DESIGNER:	CAB
REVIEWER:	JRF

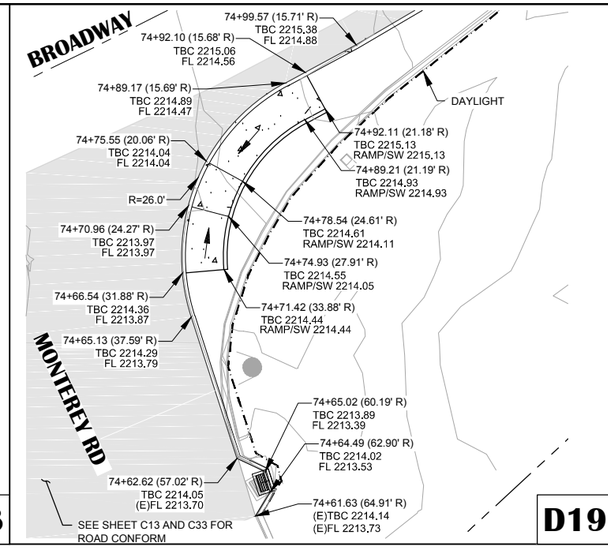
PROJECT NO.
6884.003

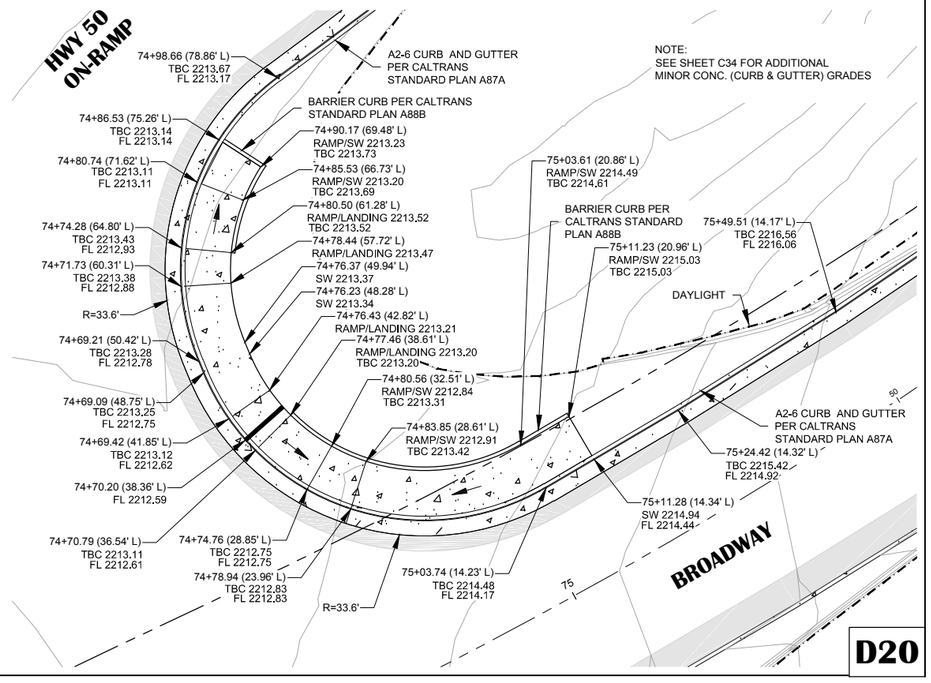
SHEET NO. C06 OF C43

R:\6884 – City of Placerville\003 – Upper Broadway Bike Lanes\10 – CAD Drawings\Improvement Plans\6884.003 Driveway Details.dwg Oct 24, 2019 – 12:12pm, vgmcgrew









0 5' 10' 20'

SCALE IN FEET

ROTATION & SCALE APPLY
TO ALL DETAILS OF THIS SHEET

NO.	REVISION	DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: AS NOTED
VERT. SCALE: N/A

REY ENGINEERS, INC.
Civil Engineers | Land Surveyors | LiDAR
905 Sutter Street, Suite 200 Folsom, CA 95630
Phone: (916) 366-3040 Fax: (916) 366-3303

REGISTERED PROFESSIONAL ENGINEER
JAMES W. REY
No. 73197
Exp. 12/31/20
CIVIL
STATE OF CALIFORNIA

UPPER BROADWAY BIKE LANES
CIP# 41508
DRIVEWAY & RAMP DETAILS 17-20
CALIFORNIA
CITY OF PLACERVILLE

DRAWING INFO
DATE: 10/24/2019
DRAFTER: KIVGM&GVR
DESIGNER: CASB
REVIEWER: JWR

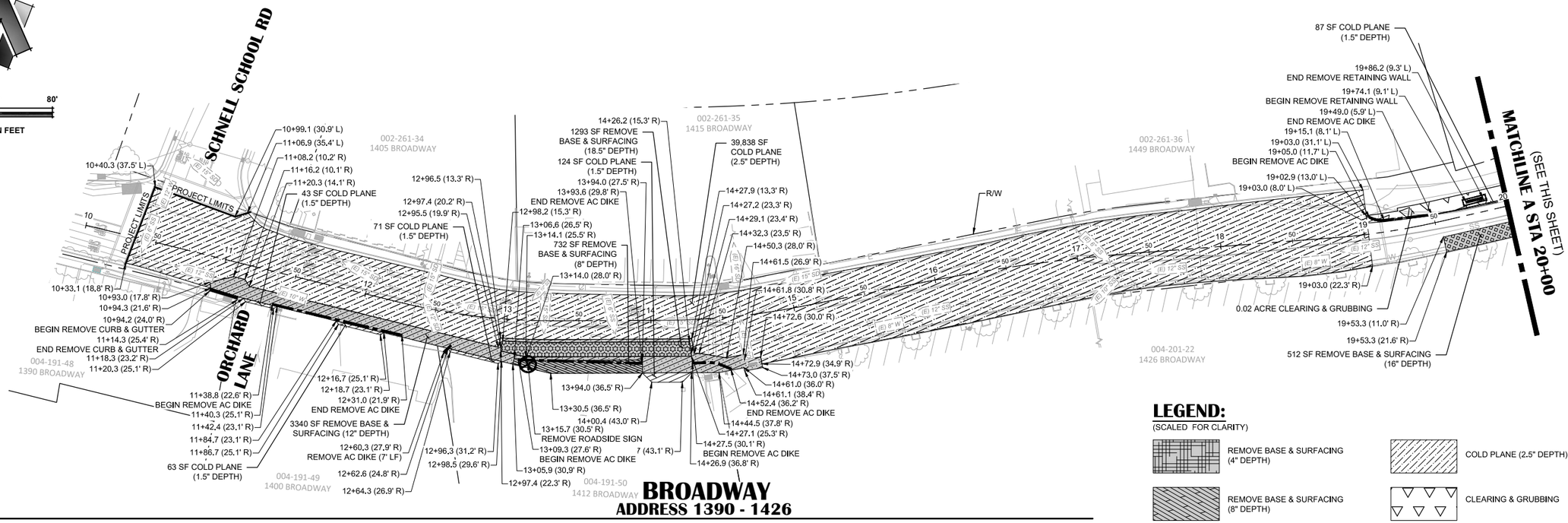
PROJECT NO.
6884.003
SHEET NO. C07 OF C43

R:\6884 - City of Placerville\003 - Upper Broadway Bike Lanes\10 - CAD Drawings\Improvement Plans\6884.003 Driveway Details.dwg Oct 24, 2019 - 12:12pm, vgmcgrew



0 20' 40' 80'

SCALE IN FEET



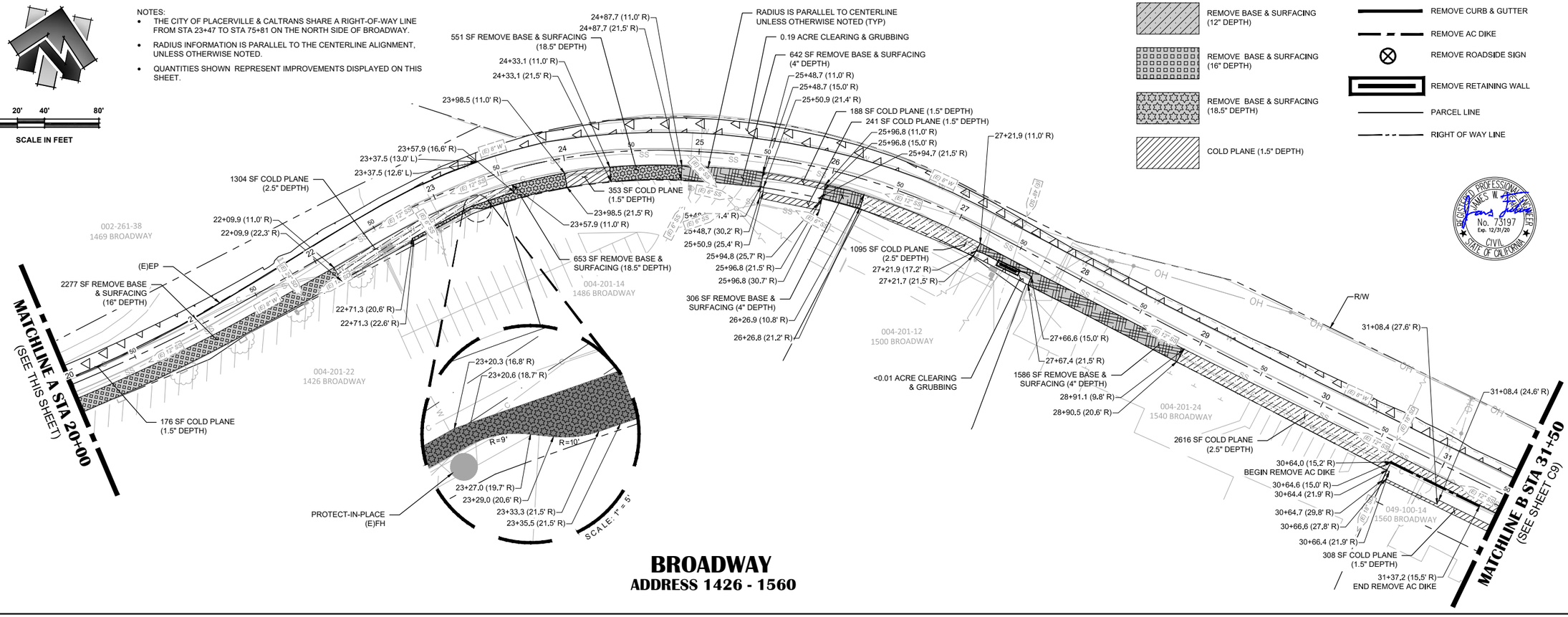
BROADWAY
ADDRESS 1390 - 1426

0 20' 40' 80'

SCALE IN FEET

NOTES:

- THE CITY OF PLACERVILLE & CALTRANS SHARE A RIGHT-OF-WAY LINE FROM STA 23+47 TO STA 75+81 ON THE NORTH SIDE OF BROADWAY.
- RADIUS INFORMATION IS PARALLEL TO THE CENTERLINE ALIGNMENT, UNLESS OTHERWISE NOTED.
- QUANTITIES SHOWN REPRESENT IMPROVEMENTS DISPLAYED ON THIS SHEET.



BROADWAY
ADDRESS 1426 - 1560

LEGEND:

(SCALED FOR CLARITY)

- REMOVE BASE & SURFACING (4" DEPTH)
- REMOVE BASE & SURFACING (8" DEPTH)
- REMOVE BASE & SURFACING (12" DEPTH)
- REMOVE BASE & SURFACING (16" DEPTH)
- REMOVE BASE & SURFACING (18.5" DEPTH)
- COLD PLANE (1.5" DEPTH)
- COLD PLANE (2.5" DEPTH)
- CLEARING & GRUBBING
- REMOVE CURB & GUTTER
- REMOVE AC DIKE
- REMOVE ROADSIDE SIGN
- REMOVE RETAINING WALL
- PARCEL LINE
- RIGHT OF WAY LINE

REGISTERED PROFESSIONAL ENGINEER
JAMES W. FOLSOM
No. 73197
Exp. 12/31/20
CIVIL
STATE OF CALIFORNIA

NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE

HOR. SCALE: 1" = 40'
VERT. SCALE: N/A

R.E.Y. ENGINEERS, INC.
Civil Engineers | Land Surveyors | LiDAR
9245 Sutter Street, Suite 200, Folsom, CA 95630
Phone: (916) 366-3040 Fax: (916) 366-3303

UPPER BROADWAY BIKE LANES
CIP# 41508
DEMOLITION PLAN 10+00 - 31+50

CITY OF PLACERVILLE CALIFORNIA

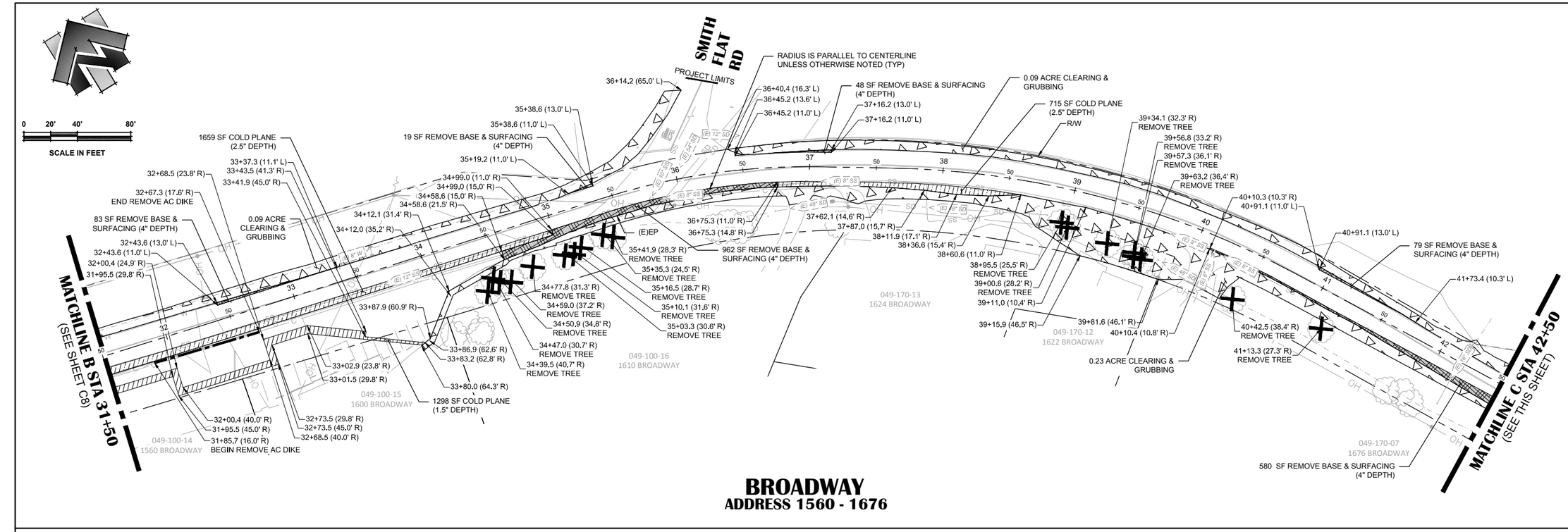
DRAWING INFO

DATE:	10/24/2019
DRAFTER:	KIVGM/GIR
DESIGNER:	CASB
REVIEWER:	JWF

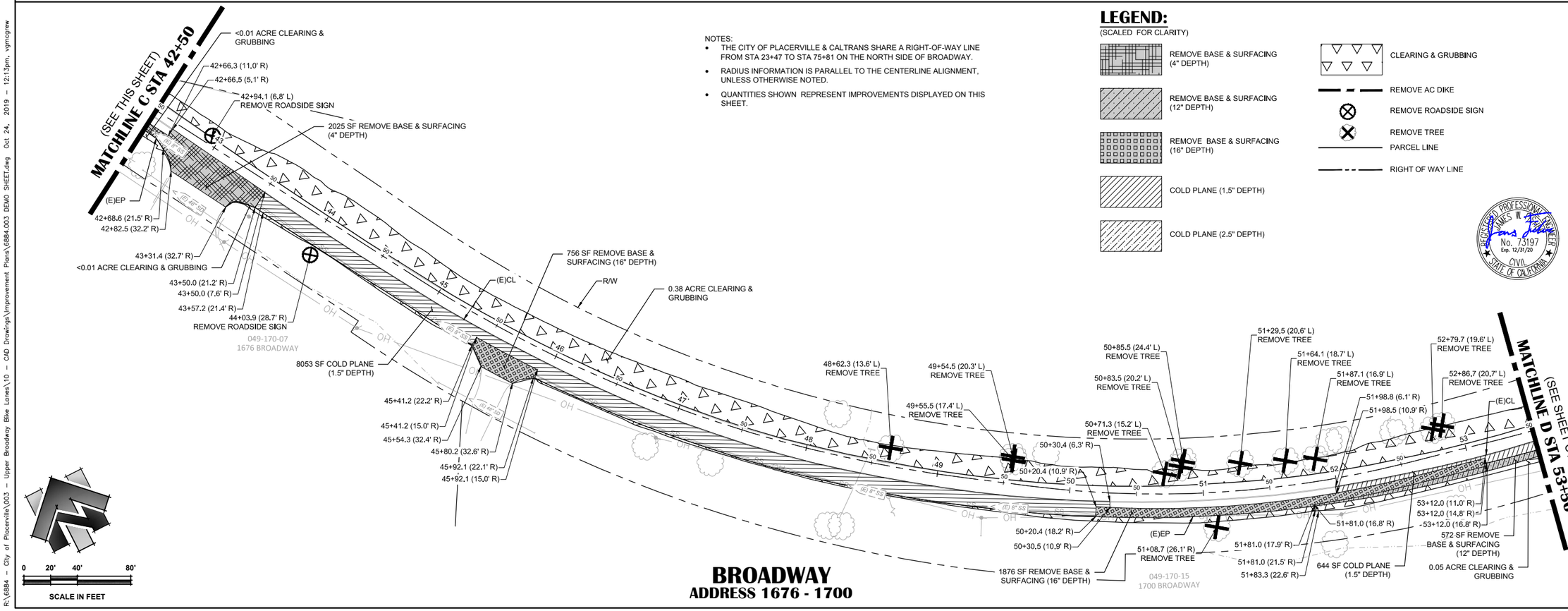
PROJECT NO.
6884.003

SHEET NO. **C08** OF **C43**

R:\6884 – City of Placerville\003 – Upper Broadway Bike Lanes\10 – CAD Drawings\Improvement Plans\6884.003 DEMO SHEET.dwg Oct 24, 2019 – 3:52pm, cbuchholz



BROADWAY
ADDRESS 1560 - 1676



NOTES:
- THE CITY OF PLACERVILLE & CALTRANS SHARE A RIGHT-OF-WAY LINE FROM STA 23+47 TO STA 75+81 ON THE NORTH SIDE OF BROADWAY.
- RADIUS INFORMATION IS PARALLEL TO THE CENTERLINE ALIGNMENT, UNLESS OTHERWISE NOTED.
- QUANTITIES SHOWN REPRESENT IMPROVEMENTS DISPLAYED ON THIS SHEET.

LEGEND:
(SCALED FOR CLARITY)

- REMOVE BASE & SURFACING (4" DEPTH)
- REMOVE BASE & SURFACING (12" DEPTH)
- REMOVE BASE & SURFACING (16" DEPTH)
- COLD PLANE (1.5" DEPTH)
- COLD PLANE (2.5" DEPTH)
- CLEARING & GRUBBING
- REMOVE AC DIKE
- REMOVE ROADSIDE SIGN
- REMOVE TREE
- PARCEL LINE
- RIGHT OF WAY LINE

BROADWAY
ADDRESS 1676 - 1700

NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: 1" = 40'
VERT. SCALE: N/A

REY ENGINEERS, INC.
Civil Engineers | Land Surveyors | LiDAR
925 Sutter Street, Suite 200 Folsom, CA 95630
Phone: (916) 366-3040 Fax: (916) 366-3333

UPPER BROADWAY BIKE LANES
CIP# 41508
DEMOLITION PLAN 31+50 - 53+50
CITY OF PLACERVILLE **CALIFORNIA**

DRAWING INFO
DATE: 10/24/2019
DRAFTER: KI/VGM/GYR
DESIGNER: CASB
REVIEWER: JWF

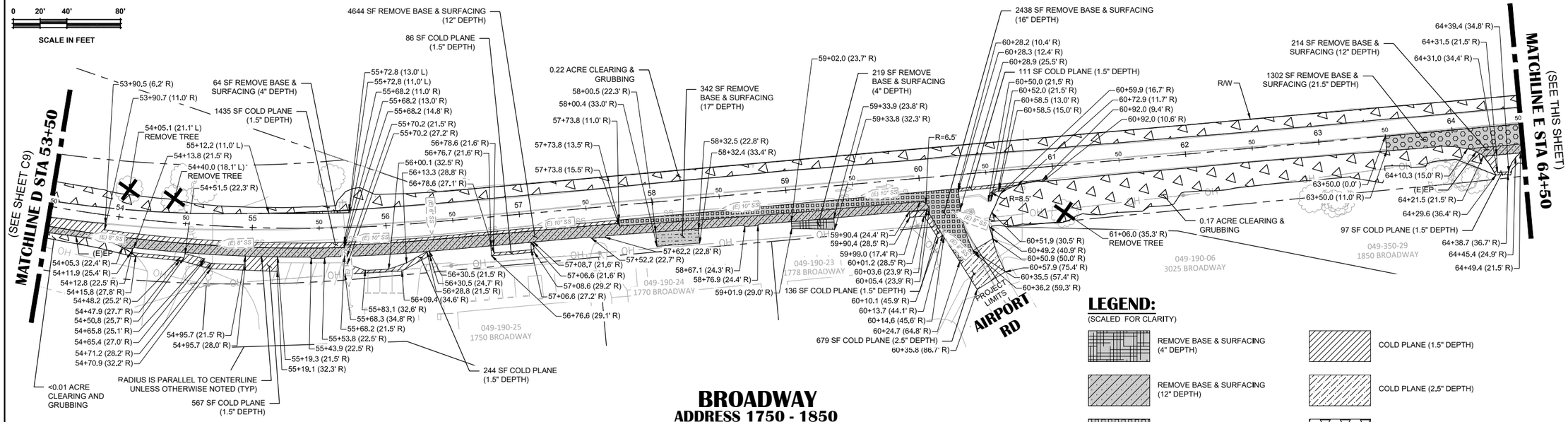
PROJECT NO. **6884.003**
SHEET NO. **C09** OF **C43**

R:\6884 – City of Placerville\003 – Upper Broadway Bike Lanes\10 – CAD Drawings\Improvement Plans\6884.003 DEMO SHEET.dwg Oct 24, 2019 – 12:13pm, vgmcgrew



0 20' 40' 80'

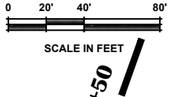
SCALE IN FEET



BROADWAY
ADDRESS 1750 - 1850

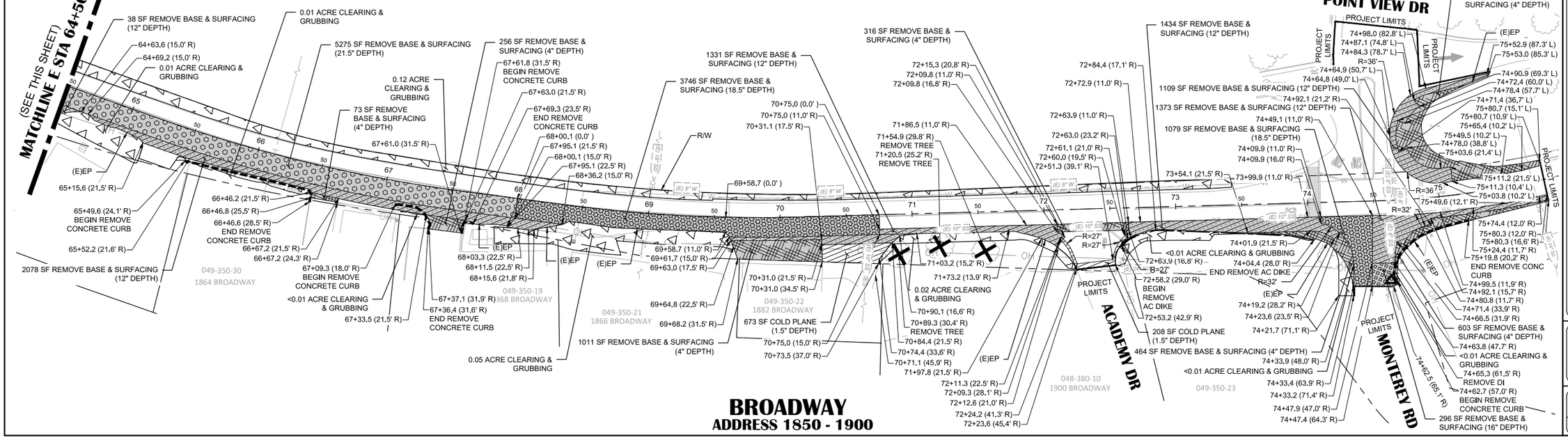
NOTES:

- THE CITY OF PLACERVILLE & CALTRANS SHARE A RIGHT-OF-WAY LINE FROM STA 23+47 TO STA 75+81 ON THE NORTH SIDE OF BROADWAY.
- RADIUS INFORMATION IS PARALLEL TO THE CENTERLINE ALIGNMENT, UNLESS OTHERWISE NOTED.
- QUANTITIES SHOWN REPRESENT IMPROVEMENTS DISPLAYED ON THIS SHEET.



0 20' 40' 80'

SCALE IN FEET



BROADWAY
ADDRESS 1850 - 1900

LEGEND:

(SCALED FOR CLARITY)

- REMOVE BASE & SURFACING (4" DEPTH)
- REMOVE BASE & SURFACING (12" DEPTH)
- REMOVE BASE & SURFACING (16" DEPTH)
- REMOVE BASE & SURFACING (17" DEPTH)
- REMOVE BASE & SURFACING (18.5" DEPTH)
- REMOVE BASE & SURFACING (21.5" DEPTH)
- COLD PLANE (1.5" DEPTH)
- COLD PLANE (2.5" DEPTH)
- CLEARING & GRUBBING
- REMOVE AC DIKE
- REMOVE CONCRETE CURB
- REMOVE ROADSIDE SIGN
- REMOVE TREE
- REMOVE DI
- PARCEL LINE
- RIGHT OF WAY LINE

NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE

HOR. SCALE: 1" = 40'
VERT. SCALE: N/A

REY ENGINEERS, INC.
Civil Engineers | Land Surveyors | LIDAR
905 Sutter Street, Suite 200 Folsom, CA 95630
Phone (916) 364-3040 Fax (916) 364-3303

UPPER BROADWAY BIKE LANES
CIP# 41508
DEMOLITION PLAN 53+50 - 75+81

CITY OF PLACERVILLE CALIFORNIA

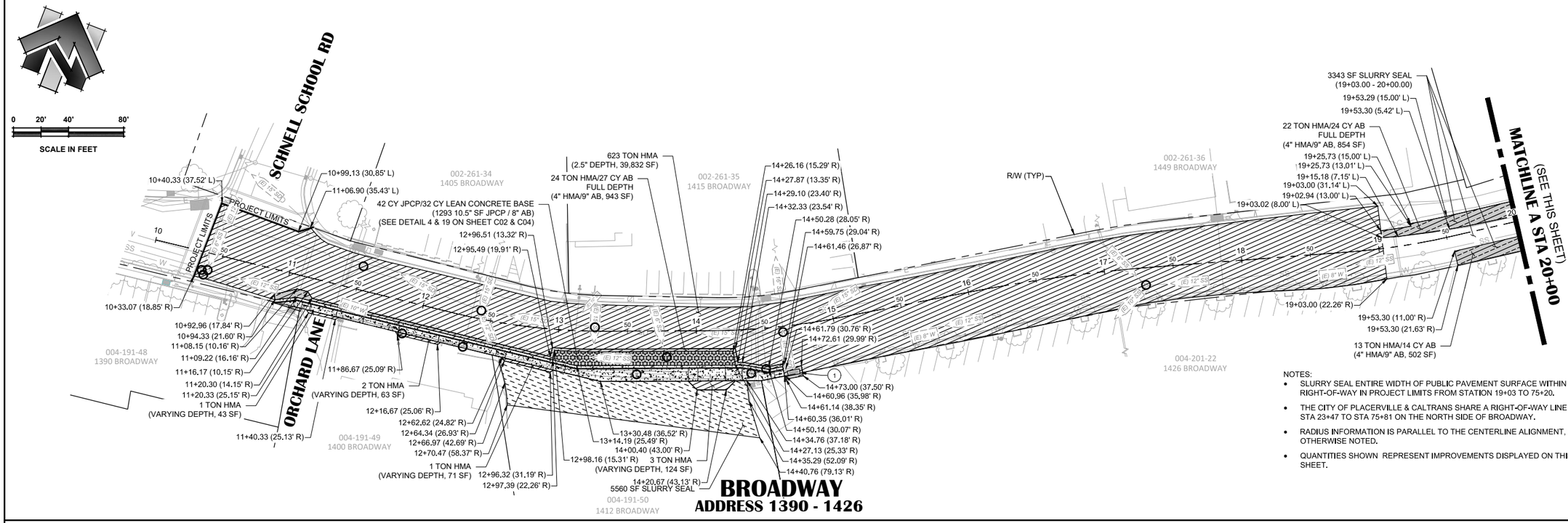
DRAWING INFO

DATE:	10/24/2019
DRAFTER:	KI/VGM/GVR
DESIGNER:	CASB
REVIEWER:	JWF

PROJECT NO.
6884.003

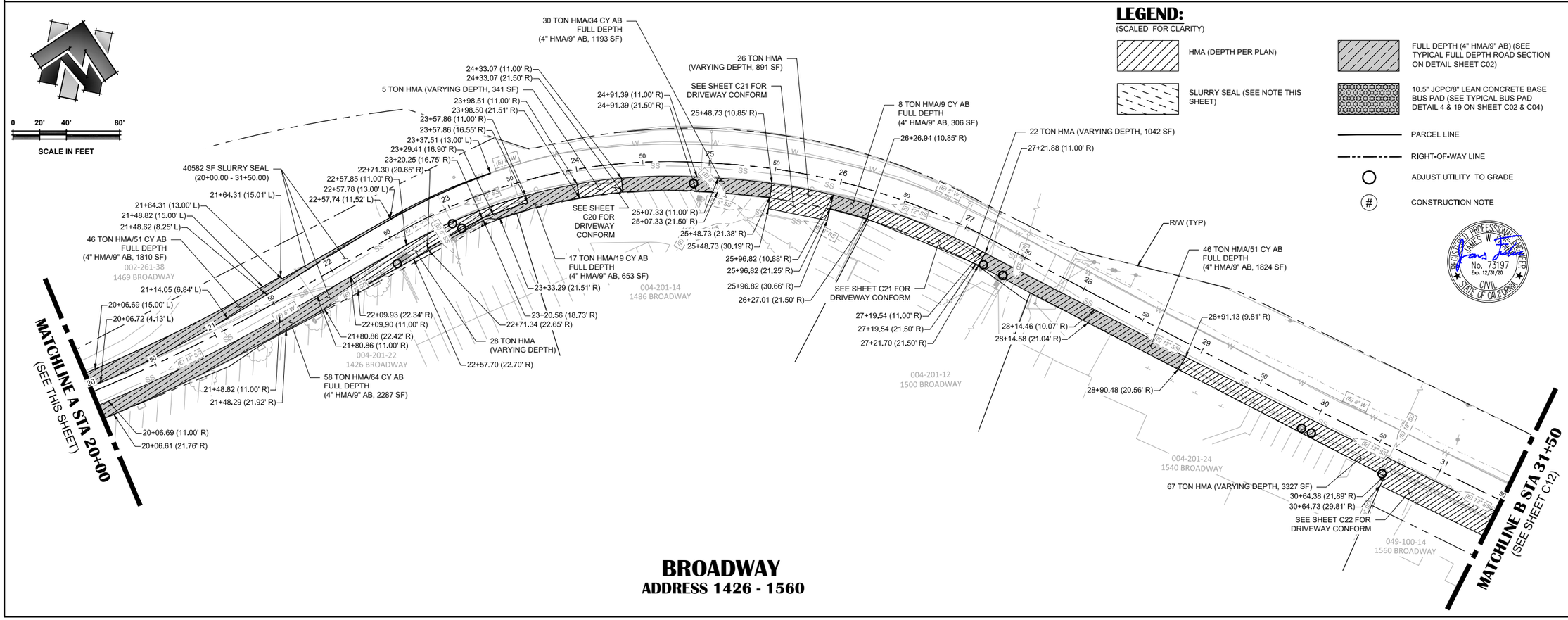
SHEET NO. **C10** OF **C43**

R:\6884 – City of Placerville\003 – Upper Broadway Bike Lanes\10 – CAD Drawings\Improvement Plans\6884.003 DEMO SHEET.dwg Oct 24, 2019 – 3:53pm, cbuchholz



NOTES:

- SLURRY SEAL ENTIRE WIDTH OF PUBLIC PAVEMENT SURFACE WITHIN CITY RIGHT-OF-WAY IN PROJECT LIMITS FROM STATION 19+03 TO 75+20.
- THE CITY OF PLACERVILLE & CALTRANS SHARE A RIGHT-OF-WAY LINE FROM STA 23+47 TO STA 75+81 ON THE NORTH SIDE OF BROADWAY.
- RADIUS INFORMATION IS PARALLEL TO THE CENTERLINE ALIGNMENT, UNLESS OTHERWISE NOTED.
- QUANTITIES SHOWN REPRESENT IMPROVEMENTS DISPLAYED ON THIS SHEET.



NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE

HOR. SCALE: 1" = 40'
VERT. SCALE: N/A

REY ENGINEERS, INC.
Civil Engineers | Land Surveyors | LD/AR
925 Sutter Street, Suite 200 Folsom, CA 95630
Phone: (916) 365-3040 Fax: (916) 365-3333

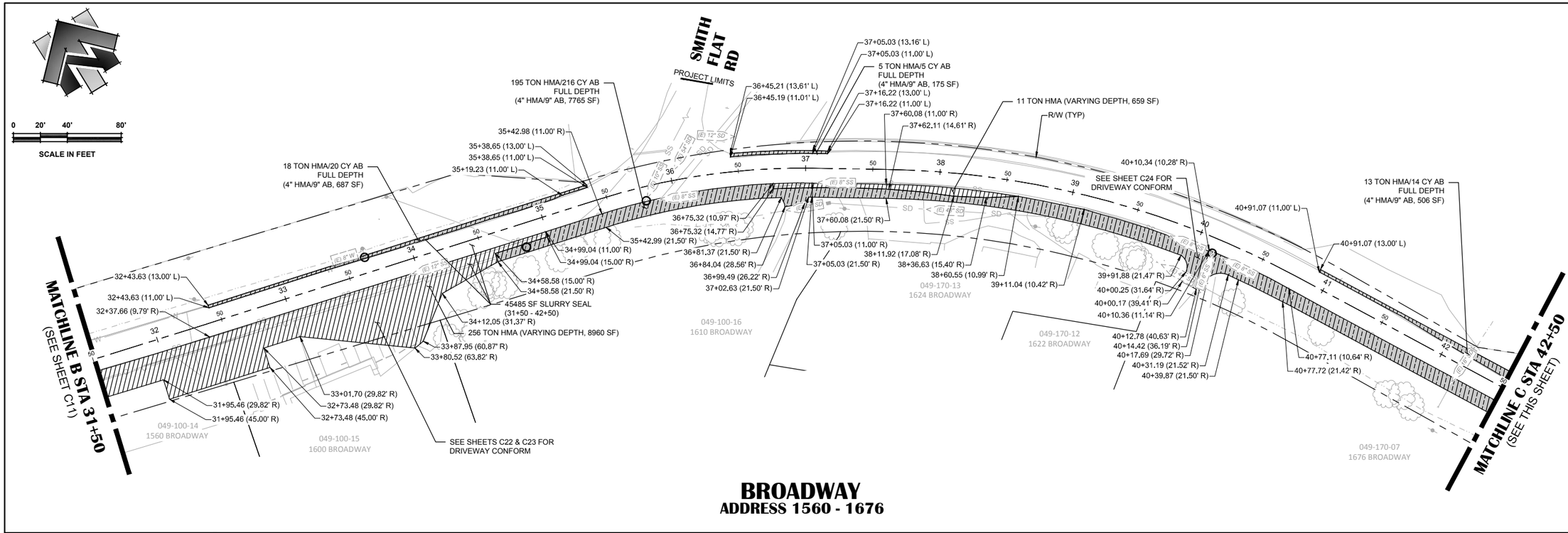
UPPER BROADWAY BIKE LANES
CIP# 41508
PAVING PLAN 10+00 - 31+50
CALIFORNIA
CITY OF PLACERVILLE

DRAWING INFO

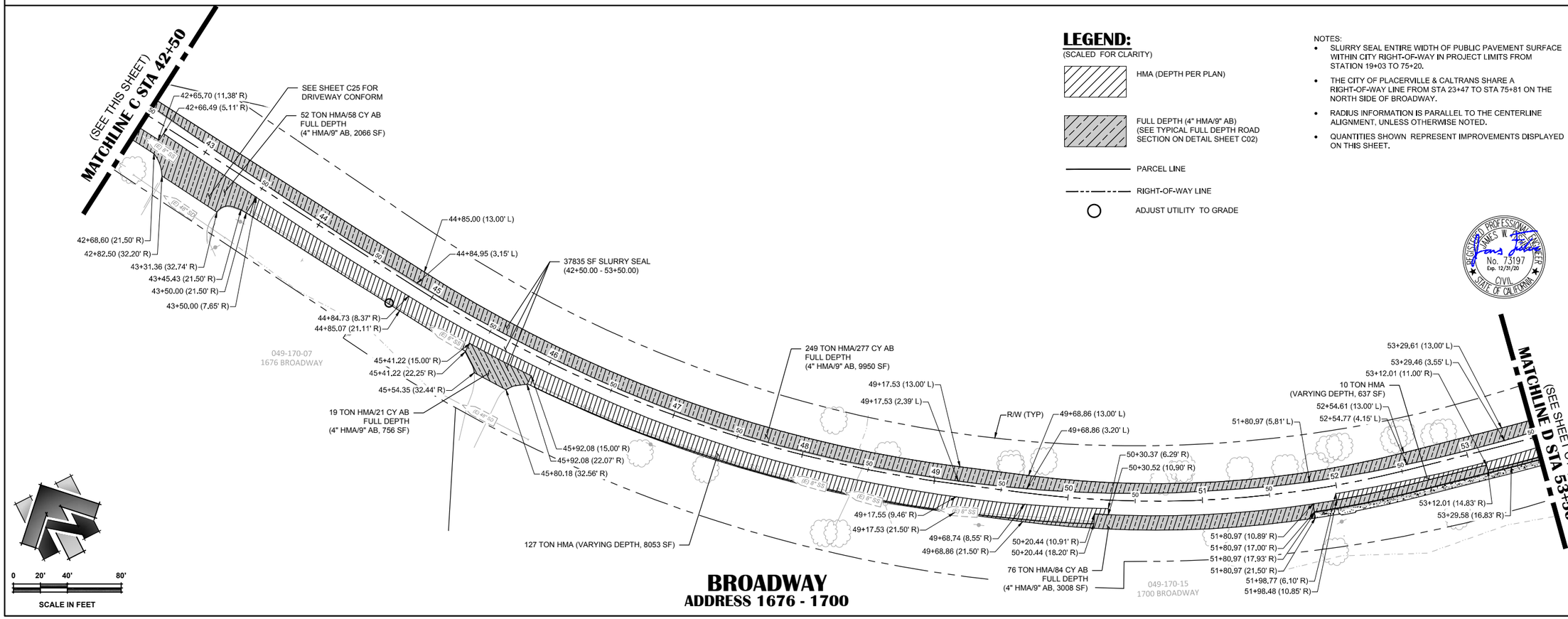
DATE:	10/24/2019
DRAFTER:	KIV/GM/GVR
DESIGNER:	CASB
REVIEWER:	JWF

PROJECT NO.
6884.003
SHEET NO. **C11** OF **C43**

R:\6884 – City of Placerville\003 – Upper Broadway Bike Lanes\10 – CAD Drawings\Improvement Plans\6884.003 PAVING SHEET.dwg Oct 24, 2019 – 3:53pm, cbuchholz



BROADWAY
ADDRESS 1560 - 1676



LEGEND:
(SCALED FOR CLARITY)

- HMA (DEPTH PER PLAN)
- FULL DEPTH (4" HMA/9" AB) (SEE TYPICAL FULL DEPTH ROAD SECTION ON DETAIL SHEET C02)
- PARCEL LINE
- RIGHT-OF-WAY LINE
- ADJUST UTILITY TO GRADE

NOTES:
- SLURRY SEAL ENTIRE WIDTH OF PUBLIC PAVEMENT SURFACE WITHIN CITY RIGHT-OF-WAY IN PROJECT LIMITS FROM STATION 19+03 TO 75+20.
- THE CITY OF PLACERVILLE & CALTRANS SHARE A RIGHT-OF-WAY LINE FROM STA 23+47 TO STA 75+81 ON THE NORTH SIDE OF BROADWAY.
- RADIUS INFORMATION IS PARALLEL TO THE CENTERLINE ALIGNMENT, UNLESS OTHERWISE NOTED.
- QUANTITIES SHOWN REPRESENT IMPROVEMENTS DISPLAYED ON THIS SHEET.

REGISTERED PROFESSIONAL ENGINEER
JAMES W. PACE
No. 73197
Exp. 12/31/20
CIVIL
STATE OF CALIFORNIA

BROADWAY
ADDRESS 1676 - 1700

NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: 1" = 40'
VERT. SCALE: N/A

REY ENGINEERS, INC.
Civil Engineers | Land Surveyors | LiDAR
905 Sutter Street, Suite 200 Folsom, CA 95630
Phone (916) 366-3040 Fax (916) 366-3333

UPPER BROADWAY BIKE LANES
CIP# 41508
PAVING PLAN 31+50 - 53+50
CITY OF PLACERVILLE CALIFORNIA

DRAWING INFO
DATE: 10/24/2019
DRAFTER: KIVGM/GVR
DESIGNER: CASB
REVIEWER: JWP

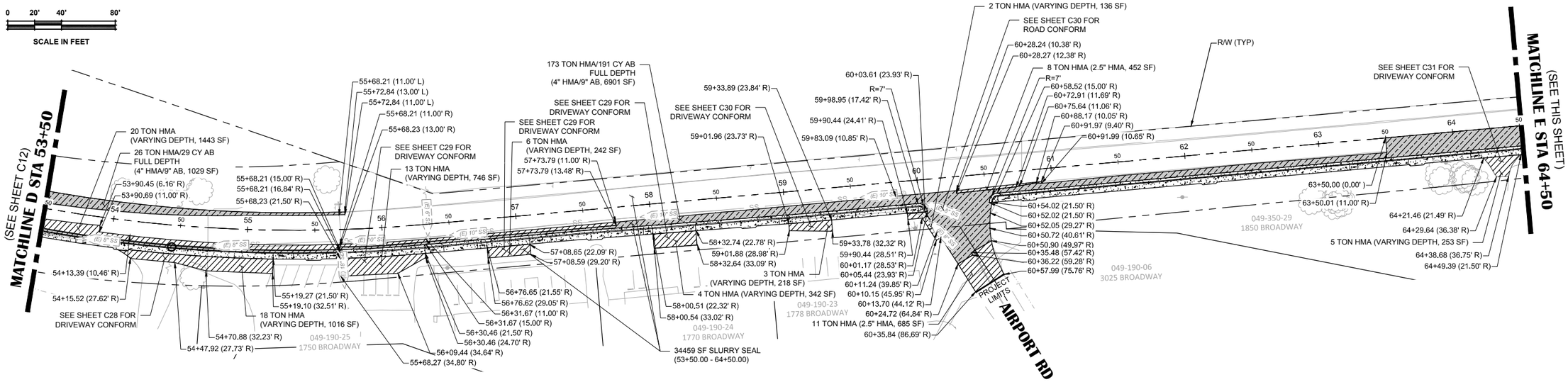
PROJECT NO.
6884.003
SHEET NO. **C12** OF **C43**

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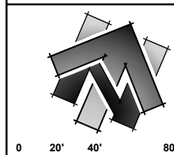


0 20' 40' 80'

SCALE IN FEET



BROADWAY
ADDRESS 1750 - 1850



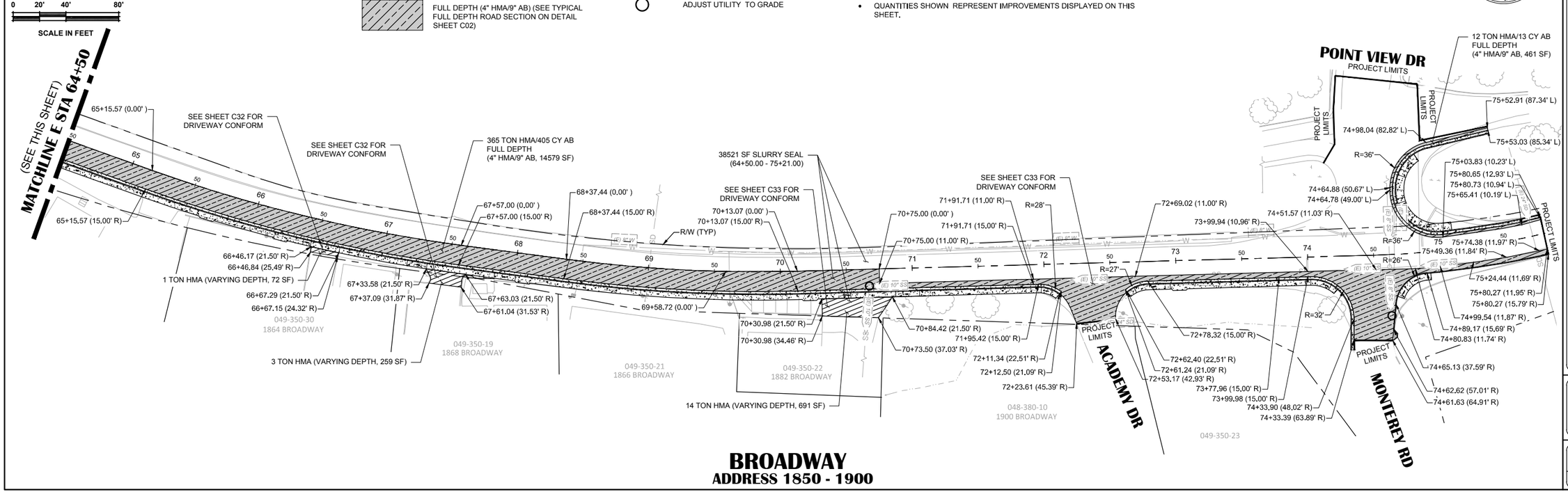
0 20' 40' 80'

SCALE IN FEET

LEGEND:
(SCALED FOR CLARITY)

- HMA (DEPTH PER PLAN)
- FULL DEPTH (4" HMA/9" AB) (SEE TYPICAL FULL DEPTH ROAD SECTION ON DETAIL SHEET C02)
- PARCEL LINE
- RIGHT-OF-WAY LINE
- ADJUST UTILITY TO GRADE

NOTES:
- SLURRY SEAL ENTIRE WIDTH OF PUBLIC PAVEMENT SURFACE WITHIN CITY RIGHT-OF-WAY IN PROJECT LIMITS FROM STATION 19+03 TO 75+20.
- THE CITY OF PLACERVILLE & CALTRANS SHARE A RIGHT-OF-WAY LINE FROM STA 23+47 TO STA 75+81 ON THE NORTH SIDE OF BROADWAY.
- RADIUS INFORMATION IS PARALLEL TO THE CENTERLINE ALIGNMENT, UNLESS OTHERWISE NOTED.
- QUANTITIES SHOWN REPRESENT IMPROVEMENTS DISPLAYED ON THIS SHEET.



BROADWAY
ADDRESS 1850 - 1900

NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: 1" = 40'
VERT. SCALE: N/A

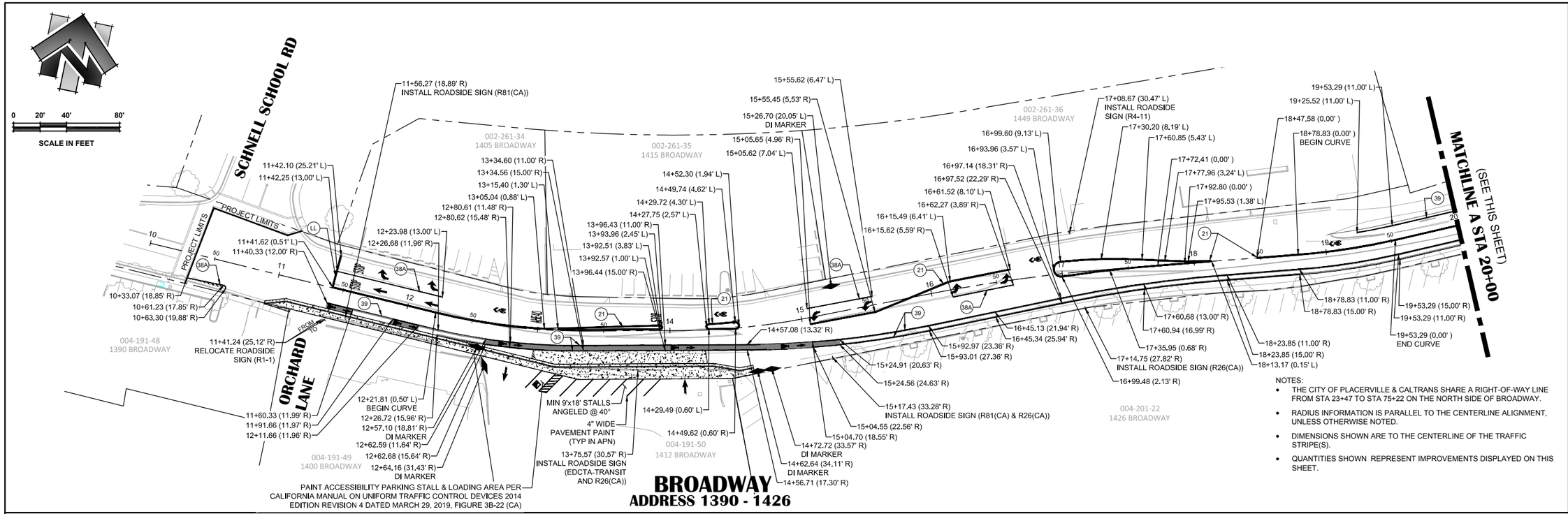
REY ENGINEERS, INC.
Civil Engineers | Land Surveyors | LDAR
905 Sutter Street, Suite 200 Folsom, CA 95630
Phone (916) 366-3040 Fax (916) 366-3333

UPPER BROADWAY BIKE LANES
CIP# 41508
PAVING PLAN 53+50 - 75+81
CITY OF PLACERVILLE CALIFORNIA

DRAWING INFO
DATE: 10/24/2019
DRAFTER: KIVGM/DVR
DESIGNER: CASB
REVIEWER: JWF

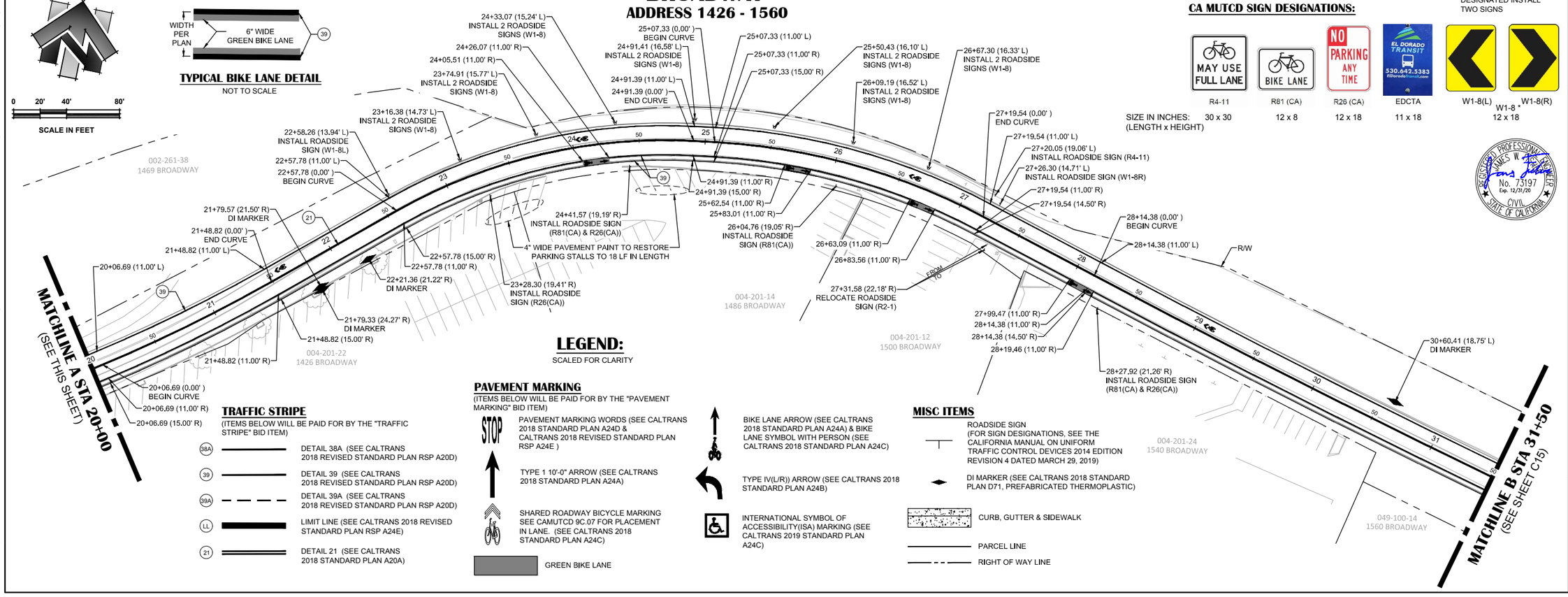
PROJECT NO. 6884.003
SHEET NO. C13 OF C43

R:\6884 – City of Placerville\003 – Upper Broadway Bike Lanes\10 – CAD Drawings\Improvement Plans\6884.003 PAVING SHEET.dwg Oct 24, 2019 – 12:14pm, vgmcgrew



BROADWAY
ADDRESS 1390 - 1426

BROADWAY
ADDRESS 1426 - 1560



LEGEND:
SCALED FOR CLARITY

PAVEMENT MARKING
(ITEMS BELOW WILL BE PAID FOR BY THE "PAVEMENT MARKING" BID ITEM)

- PAVEMENT MARKING WORDS (SEE CALTRANS 2018 STANDARD PLAN A24D & CALTRANS 2018 REVISED STANDARD PLAN RSP A24E)
- TYPE 1 10'-0" ARROW (SEE CALTRANS 2018 STANDARD PLAN A24A)
- SHARED ROADWAY BICYCLE MARKING SEE CAMUTCD 9C.07 FOR PLACEMENT IN LANE. (SEE CALTRANS 2018 STANDARD PLAN A24C)
- GREEN BIKE LANE
- BIKE LANE ARROW (SEE CALTRANS 2018 STANDARD PLAN A24A) & BIKE LANE SYMBOL WITH PERSON (SEE CALTRANS 2018 STANDARD PLAN A24C)
- TYPE IV(L/R)) ARROW (SEE CALTRANS 2018 STANDARD PLAN A24B)
- INTERNATIONAL SYMBOL OF ACCESSIBILITY(ISA) MARKING (SEE CALTRANS 2019 STANDARD PLAN A24C)

TRAFFIC STRIPE
(ITEMS BELOW WILL BE PAID FOR BY THE "TRAFFIC STRIPE" BID ITEM)

- 38A — DETAIL 38A (SEE CALTRANS 2018 REVISED STANDARD PLAN RSP A20D)
- 39 — DETAIL 39 (SEE CALTRANS 2018 REVISED STANDARD PLAN RSP A20D)
- 39A — DETAIL 39A (SEE CALTRANS 2018 REVISED STANDARD PLAN RSP A20D)
- LL — LIMIT LINE (SEE CALTRANS 2018 REVISED STANDARD PLAN RSP A24E)
- 21 — DETAIL 21 (SEE CALTRANS 2018 STANDARD PLAN A20A)

MISC ITEMS
- ROADSIDE SIGN (FOR SIGN DESIGNATIONS, SEE THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES 2014 EDITION REVISION 4 DATED MARCH 29, 2019)
- DI MARKER (SEE CALTRANS 2018 STANDARD PLAN D71, PREFABRICATED THERMOPLASTIC)
- CURB, GUTTER & SIDEWALK
- PARCEL LINE
- RIGHT OF WAY LINE

CA MUTCD SIGN DESIGNATIONS:

	R4-11	R81 (CA)	R26 (CA)	EDCTA	W1-8(L)	W1-8(R)
SIZE IN INCHES: (LENGTH x HEIGHT)	30 x 30	12 x 8	12 x 18	11 x 18	12 x 18	

* WHEN (L) OR (R) IS NOT DESIGNATED INSTALL TWO SIGNS

NOTES:
- THE CITY OF PLACERVILLE & CALTRANS SHARE A RIGHT-OF-WAY LINE FROM STA 23+47 TO STA 75+22 ON THE NORTH SIDE OF BROADWAY.
- RADIUS INFORMATION IS PARALLEL TO THE CENTERLINE ALIGNMENT, UNLESS OTHERWISE NOTED.
- DIMENSIONS SHOWN ARE TO THE CENTERLINE OF THE TRAFFIC STRIPE(S).
- QUANTITIES SHOWN REPRESENT IMPROVEMENTS DISPLAYED ON THIS SHEET.

NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: 1" = 40'
VERT. SCALE: N/A

REY ENGINEERS, INC.
Civil Engineers | Land Surveyors | LiDAR
925 Sutter Street Suite 200 Folsom, CA 95630
Phone: (916) 366-3040 Fax: (916) 366-3303

UPPER BROADWAY BIKE LANES
CIP# 41508
STRIPING & SIGNAGE PLAN 10+00 - 31+50
CITY OF PLACERVILLE CALIFORNIA

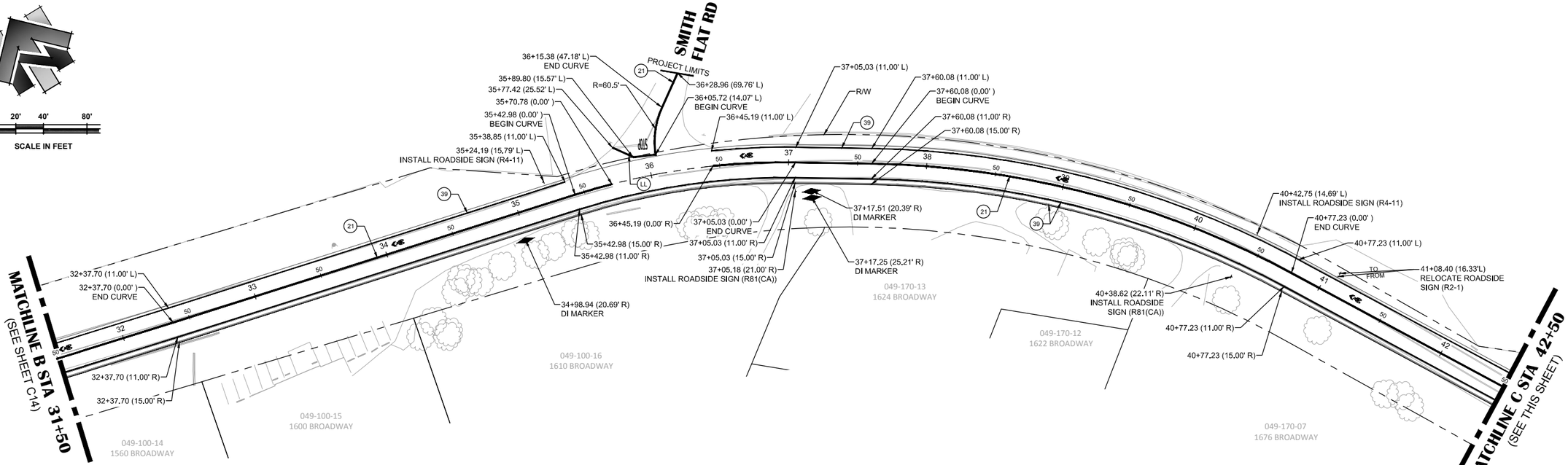
PROFESSIONAL ENGINEER — JAMES W. REY — No. 73197 — Exp. 12/31/20 — CIVIL — STATE OF CALIFORNIA

DRAWING INFO
DATE: 10/24/2019
DRAFTER: KIVGM/GVR
DESIGNER: CASS
REVIEWER: JWE

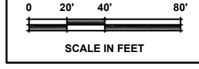
PROJECT NO. 6884.003
SHEET NO. C14 OF C43

R:\6884 - City of Placerville\003 - Upper Broadway Bike Lanes\10 - CAD Drawings\Improvement Plans\6884.003 STRIPING SHEET.dwg Oct 24, 2019 - 12:14pm, vgmcgrew





BROADWAY
ADDRESS 1560 - 1676



NOTES:
- THE CITY OF PLACERVILLE & CALTRANS SHARE A RIGHT-OF-WAY LINE FROM STA 23+47 TO STA 75+81 ON THE NORTH SIDE OF BROADWAY.
- RADIUS INFORMATION IS PARALLEL TO THE CENTERLINE ALIGNMENT, UNLESS OTHERWISE NOTED.
- DIMENSIONS SHOWN ARE TO THE CENTERLINE OF THE TRAFFIC STRIPE(S).
- QUANTITIES SHOWN REPRESENT IMPROVEMENTS DISPLAYED ON THIS SHEET.

LEGEND:
SCALED FOR CLARITY

TRAFFIC STRIPE
(ITEMS BELOW WILL BE PAID FOR BY THE "TRAFFIC STRIPE" BID ITEM)

- (39) DETAIL 39 (SEE CALTRANS 2018 REVISED STANDARD PLAN RSP A20D)
- (39A) DETAIL 39A (SEE CALTRANS 2018 REVISED STANDARD PLAN RSP A20D)
- (LL) LIMIT LINE (SEE CALTRANS 2018 REVISED STANDARD PLAN RSP A24E)
- (21) DETAIL 21 (SEE CALTRANS 2018 STANDARD PLAN A20A)

CA MUTCD SIGN DESIGNATIONS:

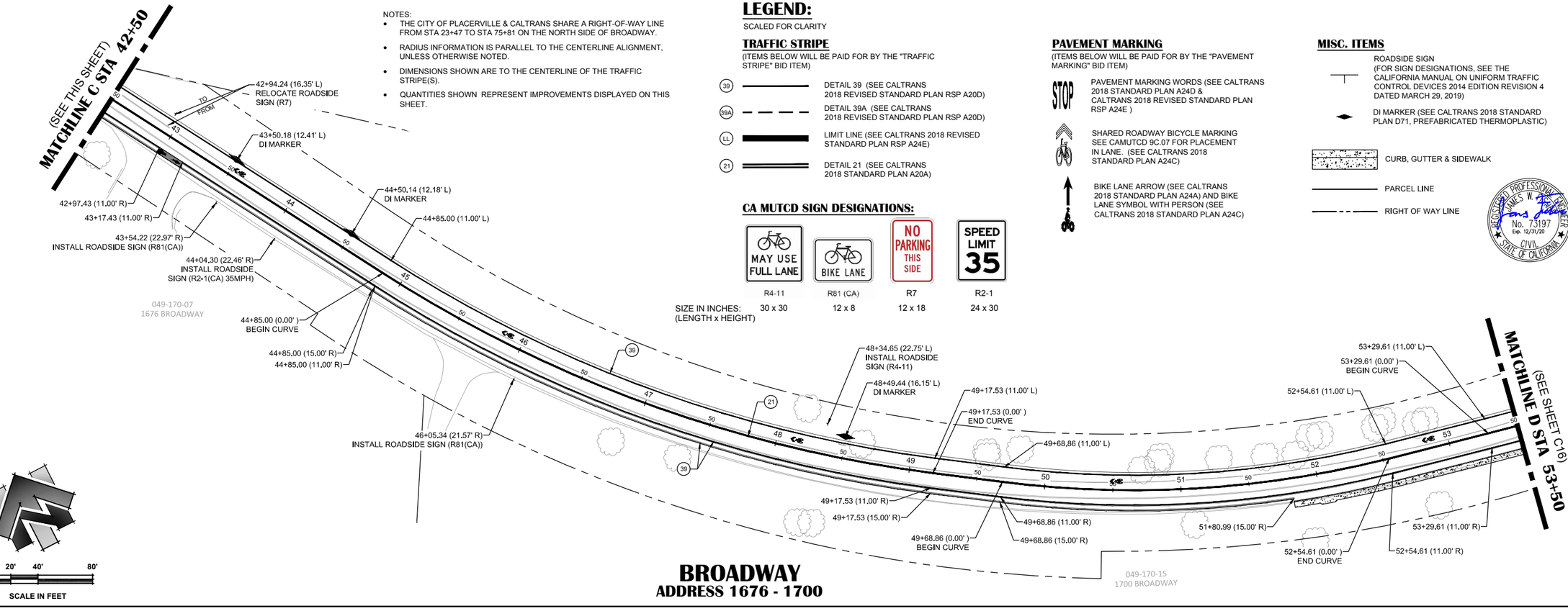
	R4-11	R81 (CA)	R7	R2-1
SIZE IN INCHES: (LENGTH x HEIGHT)	30 x 30	12 x 8	12 x 18	24 x 30

PAVEMENT MARKING
(ITEMS BELOW WILL BE PAID FOR BY THE "PAVEMENT MARKING" BID ITEM)

- STOP — PAVEMENT MARKING WORDS (SEE CALTRANS 2018 STANDARD PLAN A24D & CALTRANS 2018 REVISED STANDARD PLAN RSP A24E)
- SHARED ROADWAY BICYCLE MARKING SEE CAMUTCD 9C.07 FOR PLACEMENT IN LANE. (SEE CALTRANS 2018 STANDARD PLAN A24C)
- BIKE LANE ARROW (SEE CALTRANS 2018 STANDARD PLAN A24A) AND BIKE LANE SYMBOL WITH PERSON (SEE CALTRANS 2018 STANDARD PLAN A24C)

MISC. ITEMS
- ROADSIDE SIGN (FOR SIGN DESIGNATIONS, SEE THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES 2014 EDITION REVISION 4 DATED MARCH 29, 2019)
- DI MARKER (SEE CALTRANS 2018 STANDARD PLAN D71, PREFABRICATED THERMOPLASTIC)
- CURB, GUTTER & SIDEWALK
- PARCEL LINE
- RIGHT OF WAY LINE





BROADWAY
ADDRESS 1676 - 1700

NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: 1" = 40'
VERT. SCALE: N/A

R.E.Y. ENGINEERS, INC.
Civil Engineers | Land Surveyors | LiDAR
905 Sutter Street, Suite 200, Folsom, CA 95630
Phone: (916) 365-3040 Fax: (916) 365-3333

UPPER BROADWAY BIKE LANES
CIP# 41508
STRIPING & SIGNAGE PLAN 31+50 - 53+50
CALIFORNIA
CITY OF PLACERVILLE

DRAWING INFO
DATE: 10/24/2019
DRAFTER: KI/VGM/GVR
DESIGNER: CASE
REVIEWER: JWF

PROJECT NO. 6884.003
SHEET NO. C15 OF C43

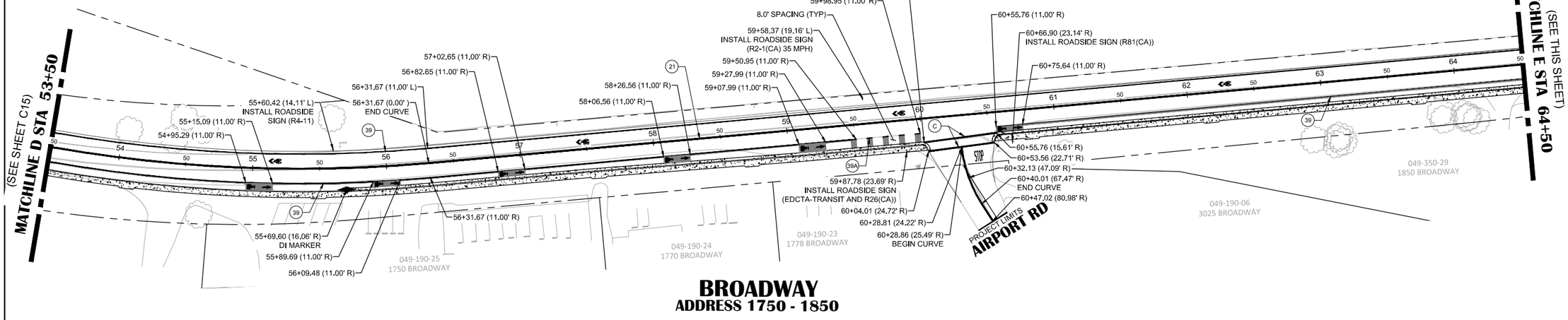
R:\6884 - City of Placerville\003 - Upper Broadway Bike Lanes\10 - CAD Drawings\Improvement Plans\6884.003 STRIPING SHEET.dwg Oct 24, 2019 - 12:14pm, vgmcgraw

CA MUTCD SIGN DESIGNATIONS:

R1-1	R4-11	R81 (CA)	R81B (CA)	R26 (CA)	W3-1	R3-2	R2-1	R2-1	EDCTA	S4-3P
SIZE IN INCHES: 30 x 30 (LENGTH x HEIGHT)	30 x 30	12 x 8	8 x 5	12 x 18	18 x 18	24 x 24	24 x 30	24 x 30	11 x 18	24 x 8

0 20' 40' 80'

SCALE IN FEET



BROADWAY
ADDRESS 1750 - 1850

0 20' 40' 80'

SCALE IN FEET

LEGEND:
SCALED FOR CLARITY

TRAFFIC STRIPE
(ITEMS BELOW WILL BE PAID FOR BY THE "TRAFFIC STRIPE" BID ITEM)

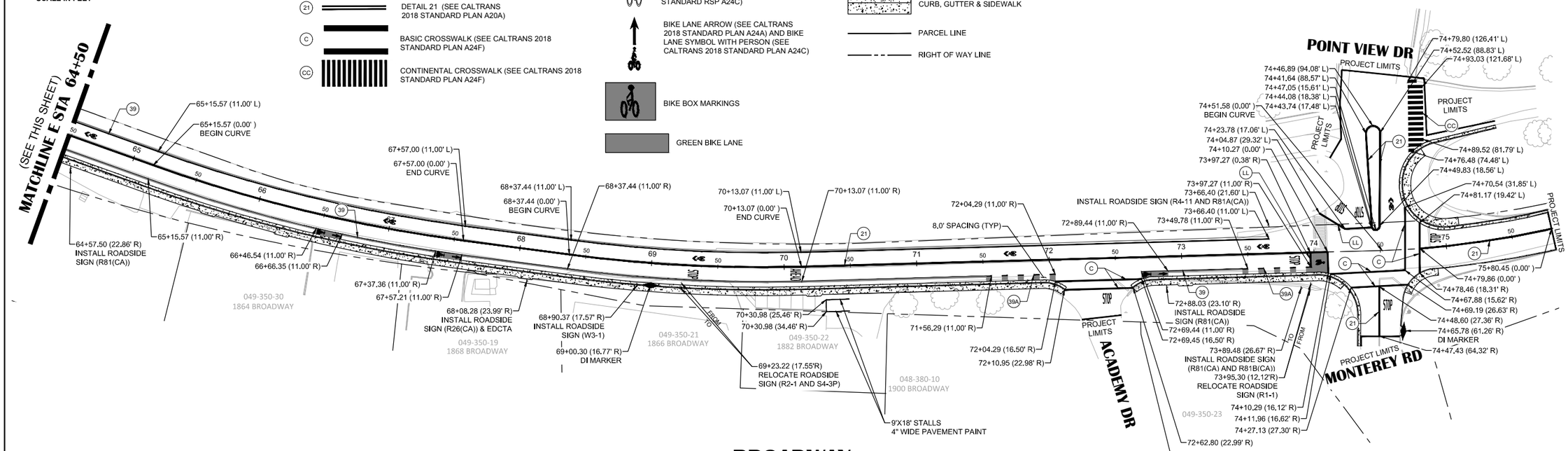
- (39) DETAIL 39 (SEE CALTRANS 2018 REVISED STANDARD PLAN RSP A20D)
- (39A) DETAIL 39A (SEE CALTRANS 2018 REVISED STANDARD PLAN RSP A20D)
- (LL) LIMIT LINE (SEE CALTRANS 2018 REVISED STANDARD PLAN RSP A24E)
- (21) DETAIL 21 (SEE CALTRANS 2018 STANDARD PLAN A20A)
- (C) BASIC CROSSWALK (SEE CALTRANS 2018 STANDARD PLAN A24F)
- (CC) CONTINENTAL CROSSWALK (SEE CALTRANS 2018 STANDARD PLAN A24F)

PAVEMENT MARKING
(ITEMS BELOW WILL BE PAID FOR BY THE "PAVEMENT MARKING" BID ITEM)

- STOP PAVEMENT MARKING WORDS (SEE CALTRANS 2018 STANDARD PLAN A24D & CALTRANS 2018 REVISED STANDARD PLAN RSP A24E)
- SHARED ROADWAY BICYCLE MARKING SEE CAMUTCD 9C.07 FOR PLACEMENT IN LANE. (SEE CALTRANS 2018 STANDARD RSP A24C)
- BIKE LANE ARROW (SEE CALTRANS 2018 STANDARD PLAN A24A) AND BIKE LANE SYMBOL WITH PERSON (SEE CALTRANS 2018 STANDARD PLAN A24C)
- BIKE BOX MARKINGS
- GREEN BIKE LANE

MISC. ITEMS
- ROADSIDE SIGN (FOR SIGN DESIGNATIONS, SEE THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES 2014 EDITION REVISION 2 DATED MARCH 29, 2019)
- DI MARKER (SEE CALTRANS 2018 STANDARD PLAN D71, PREFABRICATED THERMOPLASTIC)
- CURB, GUTTER & SIDEWALK
- PARCEL LINE
- RIGHT OF WAY LINE

NOTES:
- THE CITY OF PLACERVILLE & CALTRANS SHARE A RIGHT-OF-WAY LINE FROM STA 23+47 TO STA 75+81 ON THE NORTH SIDE OF BROADWAY.
- RADIUS INFORMATION IS PARALLEL TO THE CENTERLINE ALIGNMENT, UNLESS OTHERWISE NOTED.
- DIMENSIONS SHOWN ARE TO THE CENTERLINE OF THE TRAFFIC STRIPE(S).
- QUANTITIES SHOWN REPRESENT IMPROVEMENTS DISPLAYED ON THIS SHEET.



BROADWAY
ADDRESS 1850 - 1900

NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: 1" = 40'
VERT. SCALE: N/A

REY ENGINEERS, INC.
Civil Engineers | Land Surveyors | LIDAR
905 Sutter Street, Suite 200 Folsom, CA 95630
Phone (916) 366-3040 Fax (916) 366-3303

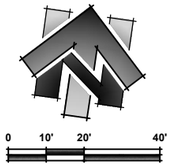
REGISTERED PROFESSIONAL ENGINEER JAMES W. REY No. 7319 Exp. 12/31/20 CIVIL STATE OF CALIFORNIA

UPPER BROADWAY BIKE LANES
CIP# 41508
STRIPING & SIGNAGE PLAN 53+50 - 75+81
CITY OF PLACERVILLE CALIFORNIA

DRAWING INFO
DATE: 10/24/2019
DRAFTER: KIVGM/GVR
DESIGNER: CASB
REVIEWER: JWF

PROJECT NO. 6884.003
SHEET NO. C16 OF C43

R:\6884 – City of Placerville\003 – Upper Broadway Bike Lanes\10 – CAD Drawings\Improvement Plans\6884.003 STRIPING SHEET.dwg Oct 24, 2019 – 12:14pm, vgmcgrew



℄ LINE DATA

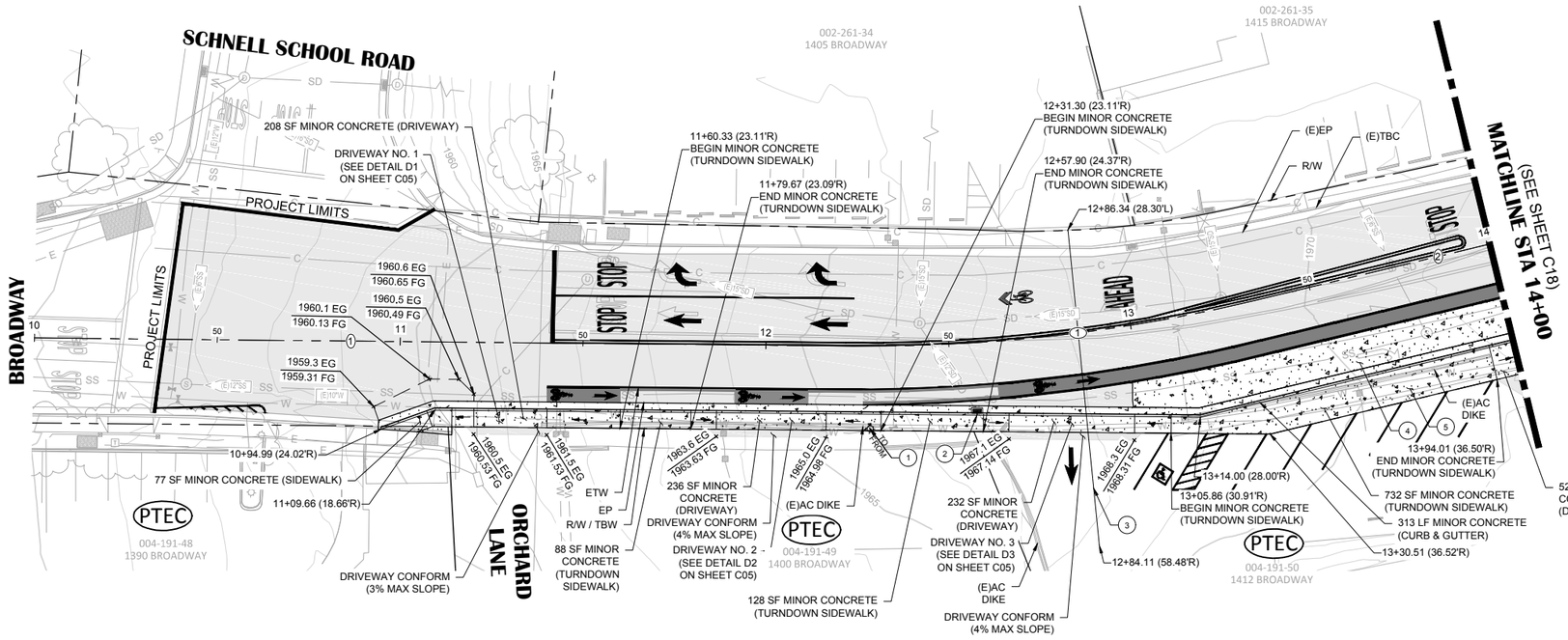
#	BEARING	LENGTH
1	N82°31'15"E	223.98'
2	N68°26'11"E	65.40'

℄ CURVE DATA

#	DELTA	RADIUS	LENGTH
1	14°05'04"	450.00	110.62'

SHEET LEGEND:
SEE SHEET C02 FOR FULL LEGEND.

- (#) CONSTRUCTION NOTE
- (#) CENTERLINE ALIGNMENT LINE SEGMENT (SEE TABLE ON THIS SHEET)
- (#) CENTERLINE ALIGNMENT CURVE SEGMENT (SEE TABLE ON THIS SHEET)
- PAVEMENT REHABILITATION AREA (SEE SHEET C11 - C13 FOR PAVING INFORMATION)
- GREEN BIKE LANE
- XXXX.X EG / XXXX.XX FG — SPOT ELEVATIONS



CONSTRUCTION NOTES:

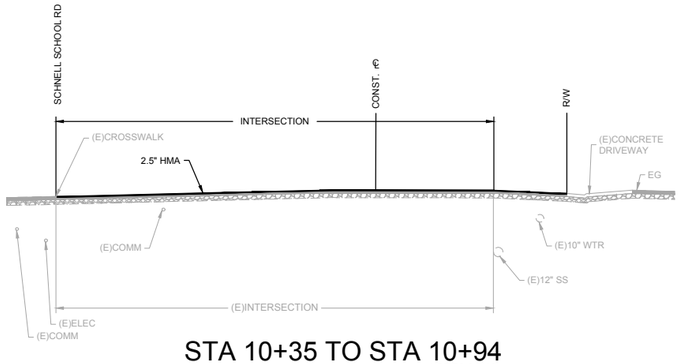
1. RELOCATE STREET LIGHT FROM STA 12+28.45 (22.68'R) TO STA 12+28.57 (22.57'R) & ADJUST TO FG.
2. 12+56.52 (19.75) (R) AT TBC
   SADDLE DI
   (SEE DETAIL 16 SHEET C04)
   TBC: 1967.22
   FL: 1966.72
   INV IN: 1964.8
   INV OUT: 1964.7
3. INSTALL 87 LF OF 2 - 3" COMMUNICATION CONDUIT (SEE DETAIL 15 ON SHEET C03)
4. 1,024 SF OF 10.5" JPCP/8" LEAN CONCRETE BASE BUS PAD (SEE DETAIL 4 & DETAIL 19 ON SHEET C02 & C04)
5. BUS SHELTER OR BENCH/SEAT TO BE INSTALLED BY OTHERS AFTER PROJECT COMPLETION.

- THE PROJECT IS WITHIN THE CITY OF PLACERVILLE & CALTRANS SHARE A RIGHT-OF-WAY LINE FROM STA 23+47 TO STA 75+81 ON THE NORTH SIDE OF BROADWAY.
- RADIUS INFORMATION IS PARALLEL TO THE CENTERLINE ALIGNMENT, UNLESS OTHER NOTED.
- QUANTITIES SHOWN REPRESENT IMPROVEMENTS DISPLAYED ON THIS SHEET.
- MAXIMUM ALLOWABLE GRADE BREAK FOR PAVEMENT CONFORMS & PEDESTRIAN FACILITIES IS 8%, UNLESS OTHERWISE NOTED.

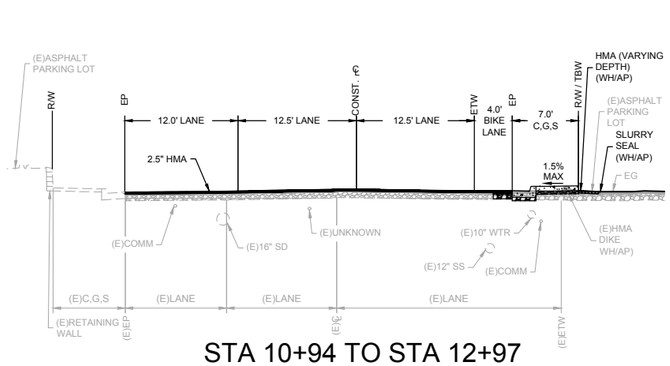
BROADWAY

BROADWAY CL STA	10+00	10+50	11+00	11+50	12+00	12+50	13+00	13+50	14+00
MATCH EG/FG @ NORTH EP	(E)1954.9	(E)1955.4	(E)1955.9	(E)1956.3	(E)1956.8	(E)1957.3 (E)1956.8	(E)1957.8 (E)1957.2	(E)1958.3 (E)1957.6	(E)1958.8 (E)1958.1
MATCH EG @ CONST. CL/ FG @ INSIDE BIKE LANE						(E)1959.8 (E)1959.0	(E)1960.2 (E)1959.3	(E)1960.7 (E)1959.6	(E)1961.2 (E)1960.3
FG @ OUTSIDE BIKE LANE						(E)1959.7 1959.34 1959.77	(E)1959.8 1959.89 1960.21	(E)1960.5 1960.44 1960.51	(E)1961.0 1960.87 1960.92
FG @ FL/ FG @ TBC									(E)1961.6 (E)1961.0
EG/FG @ TBW									(E)1962.1 (E)1961.6 1962.00
									(E)1962.6 (E)1962.2 1962.53
									(E)1963.1 (E)1962.7 1963.00
									(E)1963.6 (E)1963.2 1963.48
									(E)1964.1 (E)1963.8 1963.94
									(E)1964.5 (E)1964.2 1964.37
									(E)1965.0 (E)1964.7 1964.81
									(E)1965.5 (E)1965.1 1965.26
									(E)1966.0 (E)1965.6 1965.73
									(E)1966.6 (E)1966.1 1966.20
									(E)1966.8 (E)1966.6 1966.61
									(E)1967.2 (E)1967.0 1966.99
									(E)1967.5 (E)1967.5 1967.40
									(E)1967.8 (E)1967.9 1967.81
									(E)1968.2 (E)1968.3 1968.17
									(E)1968.6 (E)1968.5 1968.53
									(E)1969.0 (E)1968.8 1968.86
									(E)1969.2 (E)1969.2 1969.17
									(E)1969.5 (E)1969.5 1969.46
									(E)1969.7 (E)1969.8 1969.72
									(E)1969.9 (E)1970.0 1969.99
									(E)1970.1 (E)1970.3 1970.29
									(E)1970.3 (E)1970.6 1970.60
									(E)1970.6 (E)1970.9 1970.89
									(E)1970.8 (E)1971.1 1971.11
									(E)1971.0 (E)1971.4 1971.47
									(E)1971.1 (E)1970.7 1971.18
									(E)1971.4 (E)1971.0 1971.38
									(E)1971.0 1971.04 1971.15
									(E)1970.7 1971.11 1971.27
									(E)1970.5 1970.83 1970.99
									(E)1970.3 1970.55 1970.74
									(E)1970.1 1969.98 1970.48
									(E)1969.9 1969.73 1970.23
									(E)1969.7 1969.48 1969.98
									(E)1969.5 1969.25 1969.75
									(E)1969.2 1968.92 1969.42
									(E)1968.8 1968.61 1968.12
									(E)1968.5 1968.32 1968.51
									(E)1968.2 1967.98 1968.03
									(E)1967.8 1967.61 1967.66
									(E)1967.5 1967.24 1967.37
									(E)1967.2 1966.84 1967.23
									(E)1966.8 1966.58 1966.92
									(E)1966.4 1966.42 1967.00
									(E)1966.0 1966.02 1966.59
									(E)1965.6 1965.54 1966.07
									(E)1965.1 1965.09 1965.24
									(E)1964.7 1964.64 1964.76
									(E)1964.2 1964.20 1964.32
									(E)1963.8 1963.75 1963.81
									(E)1963.3 1963.29 1963.77
									(E)1962.9 1962.83 1963.33
									(E)1962.4 1962.31 1962.80
									(E)1962.0 1961.80 1962.07
									(E)1961.5 1961.30 1961.34
									(E)1960.9 1960.80 1960.92
									(E)1960.5 1960.31 1960.51
									(E)1959.8 1959.66 1960.00
									(E)1959.3 1959.31 1959.63
									(E)1958.8 1958.32 1958.63
									(E)1958.3 1957.98 1958.12
									(E)1957.8 1957.61 1957.66
									(E)1957.4 1957.24 1957.37
									(E)1956.9 1956.87 1957.08
									(E)1956.4 1956.42 1956.79
									(E)1955.9 1955.98 1956.50
									(E)1955.4 1955.54 1956.21
									(E)1954.9 1955.09 1955.92

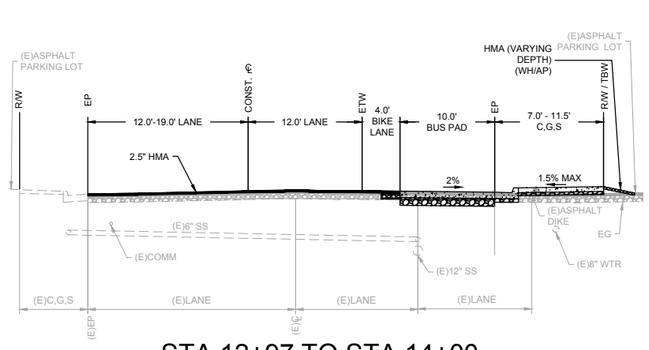
SECTIONS



STA 10+35 TO STA 10+94
NOT TO SCALE



STA 10+94 TO STA 12+97
NOT TO SCALE



STA 12+97 TO STA 14+00
NOT TO SCALE

PROFESSIONAL ENGINEER — JAMES W. [illegible] — No. 73197 — Exp. 12/31/20 — CIVIL — STATE OF CALIFORNIA

NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: 1" = 20'
VERT. SCALE:

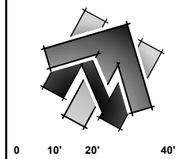
R.E.Y. ENGINEERS, INC.
Civil Engineers | Land Surveyors | LDAR
925 Sutter Street | Suite 200 Folsom, CA 95630
Phone (916) 366-3040 Fax (916) 366-3333

UPPER BROADWAY BIKE LANES
CIP# 41508
PLAN & SECTIONS 10+00 - 14+00
CITY OF PLACERVILLE CALIFORNIA

DRAWING INFO
DATE: 10/24/2019
DRAFTER: KIVGM/GJR
DESIGNER: CASB
REVIEWER: JWF

PROJECT NO.
6884.003
SHEET NO. **C17** OF **C43**

R:\6884 - City of Placerville\003 - Upper Broadway Bike Lanes\10 - CAD Drawings\Improvement Plans\6884.003 PLAN AND PROFILE C18-C20.dwg Oct 24, 2019 - 12:17pm, vgmcgraw



0 10' 20' 40'

SCALE IN FEET

℄ LINE DATA

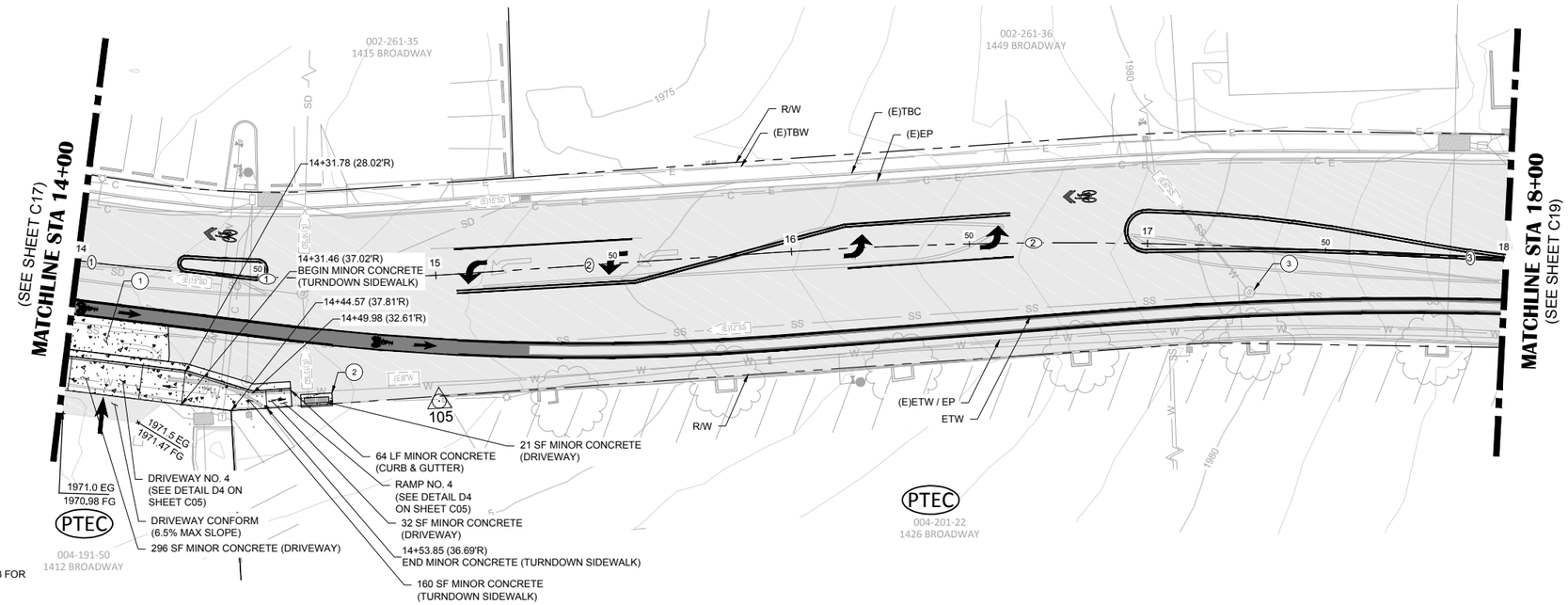
#	BEARING	LENGTH
1	N68°26'11"E	9.52'
2	N57°34'11"E	92.09'
3	N64°18'46"E	62.34'

℄ CURVE DATA

#	DELTA	RADIUS	LENGTH
1	10°52'00"	500.00	94.83'
2	6°44'34"	1200.00	141.22'

SHEET LEGEND:
SEE SHEET C02 FOR FULL LEGEND.

- (#) CONSTRUCTION NOTE
- (#) CENTERLINE ALIGNMENT LINE SEGMENT (SEE TABLE ON THIS SHEET)
- (#) CENTERLINE ALIGNMENT CURVE SEGMENT (SEE TABLE ON THIS SHEET)
- PROJECT CONTROL POINT (SEE TABLE ON THIS SHEET)
- PAVEMENT REHABILITATION AREA (SEE SHEETS C11 - C13 FOR PAVING INFORMATION)
- GREEN BIKE LANE
- XXXX.X EG / XXXX.XX FG — SPOT ELEVATIONS



CONSTRUCTION NOTES:

1. 275 SF OF 10.5" JPCP/8" LEAN CONCRETE BASE BUS PAD (SEE DETAIL 4 & DETAIL 19 ON SHEET C02 & C04).
2. PLACE MINOR CONCRETE (DRIVEWAY) APRON AND REPLACE (E)DI GRATE WITH ADA PEDESTRIAN GRATE & FRAME.
3. 17+29.25 (12.71' R) SSMH STRUCTURAL LINING.

NOTES:

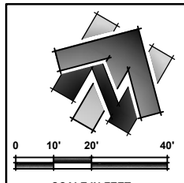
- THE CITY OF PLACERVILLE & CALTRANS SHARE A RIGHT-OF-WAY LINE FROM STA 23+47 TO STA 75+81 ON THE NORTH SIDE OF BROADWAY.
- RADIUS INFORMATION IS PARALLEL TO THE CENTERLINE ALIGNMENT, UNLESS OTHER NOTED.
- QUANTITIES SHOWN REPRESENT IMPROVEMENTS DISPLAYED ON THIS SHEET.
- MAXIMUM ALLOWABLE GRADE BREAK FOR PAVEMENT CONFORMS & PEDESTRIAN FACILITIES IS 8%, UNLESS OTHERWISE NOTED.

BENCHMARK DATA

#	GRID NORTHING	GRID EASTING	ELEVATION	POINT DESCRIPTION
△105	2030877.94	6910263.77	1973.60	MAG NAIL WITH WASHER

BROADWAY

BROADWAY CL STA	14+00					14+50					15+00					15+50					16+00					16+50					17+00					17+50					18+00
MATCH EG @ NORTH EP	(E)1971.0	(E)1971.2	(E)1971.5	(E)1971.7	(E)1972.0	(E)1972.1	(E)1972.3	(E)1972.5	(E)1972.7	(E)1973.0	(E)1973.2	(E)1973.5	(E)1973.8	(E)1974.0	(E)1974.2	(E)1974.4	(E)1974.6	(E)1974.8	(E)1975.0	(E)1975.2	(E)1975.5	(E)1975.8	(E)1976.1	(E)1976.4	(E)1976.7	(E)1977.0	(E)1977.4	(E)1977.7	(E)1978.1	(E)1978.5	(E)1979.0	(E)1979.4	(E)1979.9	(E)1980.4	(E)1980.9	(E)1981.3	(E)1981.8	(E)1982.3	(E)1982.8	(E)1983.3	(E)1983.8
MATCH EG @ CONST. CL/ FG @ INSIDE BIKE LANE	1971.38	1971.47	1971.66	1971.75	1971.83	1971.91	1972.02	1972.18	1972.26	1972.44	1972.51	1972.63	1972.70	1972.83	1972.88	1973.08	1973.13	1973.25	1973.33	1973.58	1973.64	1973.73	1973.78	1973.92	1973.98	1974.10	1974.17	1974.23	1974.31	1974.40	1974.51	1974.59	1974.67	1974.74	1974.81	1974.95	1975.01	1975.15	1975.23	1975.38	1975.49	1975.61	1975.70	1975.86	1975.97	1976.10	1976.23	1976.38	1976.48	1976.66	1976.77	1976.99	1977.10	1977.36	1977.48	1977.72	1977.83	1978.16	1978.27	1978.59	1978.69	1979.01	1979.10	1979.45	1979.54	1979.89	1980.00	1980.37	1980.47	1980.86	1980.97	1981.31	1981.42	1981.77	1981.89	1982.25	1982.38	1982.77	1982.89	1983.25	1983.36	1983.73	1983.84
FG @ OUTSIDE BIKE LANE	(E)1971.0	(E)1971.2	(E)1971.5	(E)1971.7	(E)1972.0	(E)1972.1	(E)1972.3	(E)1972.5	(E)1972.7	(E)1973.0	(E)1973.2	(E)1973.5	(E)1973.8	(E)1974.0	(E)1974.2	(E)1974.4	(E)1974.6	(E)1974.8	(E)1975.0	(E)1975.2	(E)1975.5	(E)1975.8	(E)1976.1	(E)1976.4	(E)1976.7	(E)1977.0	(E)1977.4	(E)1977.7	(E)1978.1	(E)1978.5	(E)1979.0	(E)1979.4	(E)1979.9	(E)1980.4	(E)1980.9	(E)1981.3	(E)1981.8	(E)1982.3	(E)1982.8	(E)1983.3	(E)1983.8
FG @ FL/ FG @ TBC	1971.04	1971.15	1971.83	1971.91	1972.09	1972.18	1972.27	1972.44	1972.51	1972.69	1972.77	1972.83	1972.88	1973.08	1973.13	1973.25	1973.33	1973.58	1973.64	1973.73	1973.78	1973.92	1973.98	1974.10	1974.17	1974.23	1974.31	1974.40	1974.51	1974.59	1974.67	1974.74	1974.81	1974.95	1975.01	1975.15	1975.23	1975.38	1975.49	1975.61	1975.70	1975.86	1975.97	1976.10	1976.23	1976.38	1976.48	1976.66	1976.77	1976.99	1977.10	1977.36	1977.48	1977.72	1977.83	1978.16	1978.27	1978.59	1978.69	1979.01	1979.10	1979.45	1979.54	1979.89	1980.00	1980.37	1980.47	1980.86	1980.97	1981.31	1981.42	1981.77	1981.89	1982.25	1982.38	1982.77	1982.89	1983.25	1983.36	1983.73	1983.84
FG @ TBW	(E)1971.0	(E)1971.2	(E)1971.5	(E)1971.7	(E)1972.1	(E)1972.5	(E)1972.6	(E)1972.8	(E)1973.1	(E)1973.4	(E)1973.5	(E)1973.8	(E)1974.0	(E)1974.2	(E)1974.5	(E)1974.9	(E)1974.8	(E)1975.0	(E)1975.1	(E)1975.3	(E)1975.5	(E)1976.0	(E)1976.1	(E)1976.3	(E)1976.7	(E)1977.2	(E)1977.8	(E)1978.2	(E)1978.6	(E)1978.7	(E)1979.1	(E)1979.5	(E)1979.8	(E)1980.3	(E)1980.8	(E)1981.2	(E)1981.6	(E)1982.2	(E)1983.1	(E)1983.2	(E)1983.5
MATCH EG @ SOUTH EP				



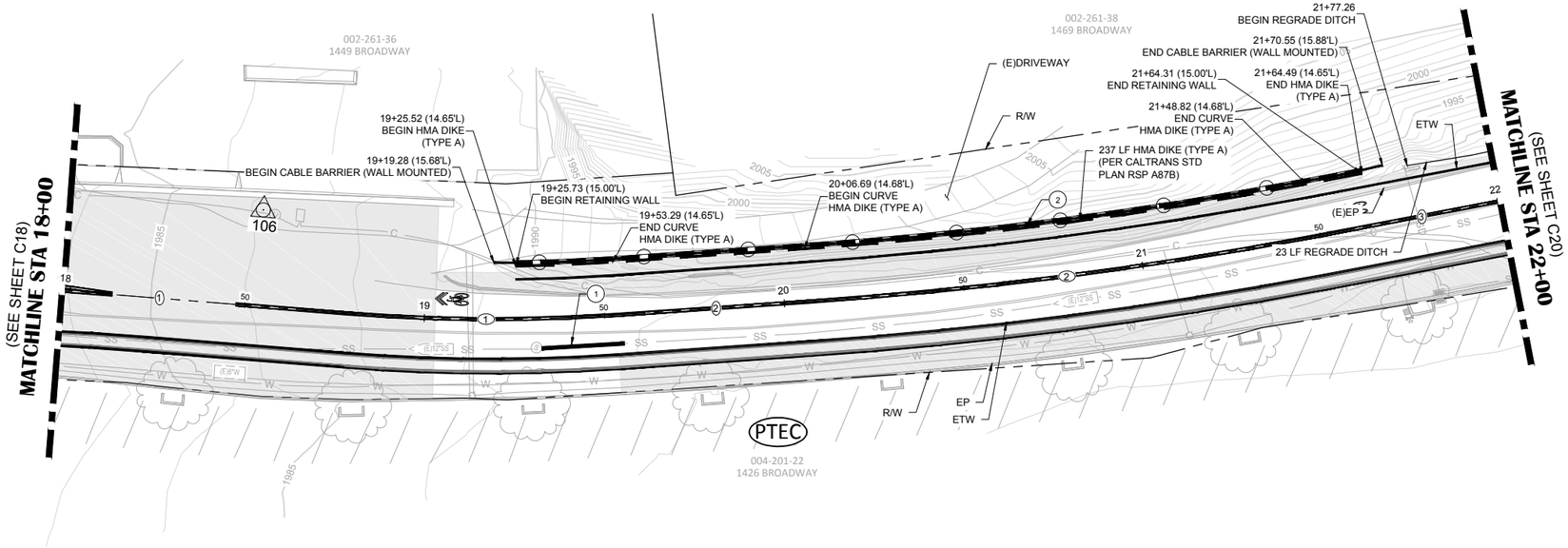
SCALE IN FEET

℄ LINE DATA		
#	BEARING	LENGTH
1	N64°18'46"E	62.34'
2	N55°46'46"E	53.40'
3	N48°59'35"E	51.17'

℄ CURVE DATA			
#	DELTA	RADIUS	LENGTH
1	8°31'59"	500.00	74.47'
2	6°47'11"	1200.00	142.13'

SHEET LEGEND:
SEE SHEET C02 FOR FULL LEGEND.

- (#) CONSTRUCTION NOTE
- (#) CENTERLINE ALIGNMENT LINE SEGMENT (SEE TABLE ON THIS SHEET)
- (#) CENTERLINE ALIGNMENT CURVE SEGMENT (SEE TABLE ON THIS SHEET)
- PROJECT CONTROL POINT (SEE TABLE ON THIS SHEET)
- PAVEMENT REHABILITATION AREA (SEE SHEETS C11 - C13 FOR PAVING INFORMATION)



CONSTRUCTION NOTES:

1. 19+32.36 (8.25'R) TO 19+55.02 (8.09'R)
   REMOVE & REPLACE 23 LF SANITARY SEWER PIPE TO CORRECT SAG.
2. RETAINING WALL 1 (SOIL NAIL)
   236 LF OF RETAINING WALL 1 (SOIL NAIL) (SEE SHEET S1 FOR DETAILS). 248.5 LF OF CABLE BARRIER (WALL MOUNTED).

NOTES:

- THE CITY OF PLACERVILLE & CALTRANS SHARE A RIGHT-OF-WAY LINE FROM STA 23+47 TO STA 75+81 ON THE NORTH SIDE OF BROADWAY.
- RADIUS INFORMATION IS PARALLEL TO THE CENTERLINE ALIGNMENT, UNLESS OTHER NOTED.
- QUANTITIES SHOWN REPRESENT IMPROVEMENTS DISPLAYED ON THIS SHEET.
- MAXIMUM ALLOWABLE GRADE BREAK FOR PAVEMENT CONFORMS & PEDESTRIAN FACILITIES IS 8%, UNLESS OTHERWISE NOTED.
- TYPICAL SECTION FOR STA 18+00 TO STA 19+03 LOCATED ON SHEET C18.

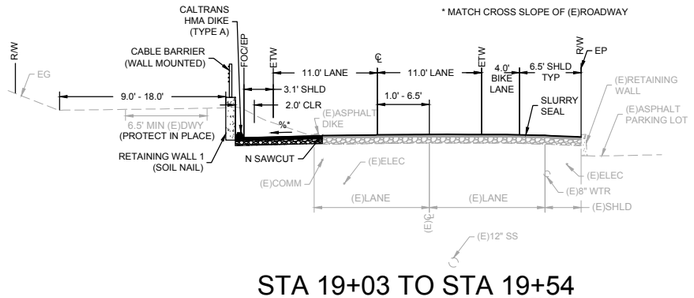
BENCHMARK DATA				
#	GRID NORTHING	GRID EASTING	ELEVATION	POINT DESCRIPTION
△106	2031102.82	6910543.22	1986.15	MAG NAIL WITH WASHER

BROADWAY

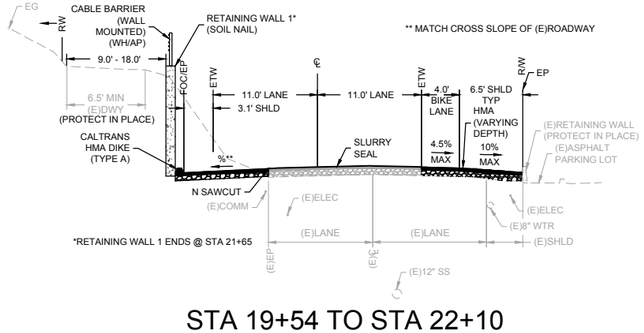
BROADWAY CL STA	18+00	18+50	19+00	19+50	20+00	20+50	21+00	21+50	22+00
EG/FG @ NORTH EP	(E)1983.8	(E)1984.2	(E)1984.7	(E)1985.1	(E)1985.5	(E)1985.9	(E)1986.3	(E)1986.7	(E)1987.0	(E)1987.3	(E)1987.7	(E)1988.4	(E)1988.9	(E)1989.6	(E)1990.4	(E)1992.0	(E)1993.0	(E)1994.2	(E)1995.3	(E)1995.5	(E)1995.5	(E)1994.8	(E)1994.9	(E)1995.0	(E)1995.3	(E)1995.6	(E)1995.7	(E)1995.8	(E)1995.5	(E)1995.2	(E)1994.9	(E)1994.4	(E)1993.7	(E)1992.2	(E)1991.0	(E)1989.9	(E)1988.8	(E)1987.8	(E)1988.0	(E)1986.9	(E)1987.6
MATCH EG @ NORTH SAWCUT												(E)1987.9	(E)1988.1	(E)1988.4	(E)1988.6	(E)1988.7	(E)1988.8	(E)1988.9	(E)1989.0	(E)1989.1	(E)1989.1	(E)1989.2	(E)1989.1	(E)1989.1	(E)1989.2	(E)1989.1	(E)1989.1	(E)1989.2	(E)1989.1	(E)1989.0	(E)1988.9	(E)1988.7	(E)1988.6	(E)1988.6	(E)1988.5	(E)1988.4	(E)1988.4	(E)1988.4	(E)1988.3	(E)1988.3	(E)1988.2	(E)1988.2
MATCH EG @ CL/ FG @ INSIDE BIKE LANE	(E)1984.0 1983.84	(E)1984.2 1984.30	(E)1984.8 1984.73	(E)1985.2 1985.13	(E)1985.6 1985.52	(E)1986.0 1985.85	(E)1986.3 1986.18	(E)1986.6 1986.51	(E)1986.9 1986.88	(E)1987.3 1987.24	(E)1987.6 1987.60	(E)1987.9 1987.95	(E)1988.2 1988.23	(E)1988.4 1988.48	(E)1988.7 1988.72	(E)1988.8 1988.84	(E)1988.9 1989.00	(E)1989.0 1989.06	(E)1989.1 1989.14	(E)1989.2 1989.21	(E)1989.2 1988.15	(E)1989.1 1988.24	(E)1989.2 1988.16	(E)1989.2 1989.16	(E)1989.2 1989.19	(E)1989.2 1989.22	(E)1989.1 1988.24	(E)1989.0 1988.24	(E)1988.9 1989.16	(E)1988.9 1989.07	(E)1988.8 1988.97	(E)1988.8 1988.86	(E)1988.7 1988.75	(E)1988.6 1988.61	(E)1988.5 1988.48	(E)1988.4 1988.33	(E)1988.4 1988.18	(E)1988.2 1988.06	(E)1988.3 1987.95
FG @ OUTSIDE BIKE LANE	(E)1983.73	(E)1984.19	(E)1984.62	(E)1985.06	(E)1985.47	(E)1985.81	(E)1986.15	(E)1986.48	(E)1986.81	(E)1987.22	(E)1987.61	(E)1987.97	(E)1988.21	(E)1988.45	(E)1988.71	(E)1988.79	(E)1988.82	(E)1988.88	(E)1988.88	(E)1988.96	(E)1989.03	(E)1988.33	(E)1988.97	(E)1988.98	(E)1988.98	(E)1989.01	(E)1989.04	(E)1989.06	(E)1988.79	(E)1988.99	(E)1989.06	(E)1988.89	(E)1989.08	(E)1989.07	(E)1989.06	(E)1988.91	(E)1988.89	(E)1988.79	(E)1988.62	(E)1988.44	(E)1988.20	(E)1988.43	(E)1987.96	(E)1987.64	(E)1987.26	(E)1986.88	(E)1987.88	(E)1987.77	(E)1986.99
EG/FG @ SOUTH EP	(E)1983.5	(E)1984.0	(E)1984.4	(E)1984.8	(E)1985.1	(E)1985.4	(E)1985.8	(E)1986.1	(E)1986.4	(E)1987.0	(E)1987.2	(E)1987.5	(E)1987.9	(E)1988.3	(E)1988.4	(E)1988.6	(E)1988.7	(E)1988.8	(E)1988.57	(E)1988.5	(E)1988.3	(E)1988.33	(E)1988.3	(E)1988.32	(E)1988.4	(E)1988.39	(E)1988.5	(E)1988.53	(E)1988.7	(E)1988.67	(E)1988.7	(E)1988.73	(E)1988.8	(E)1988.79	(E)1988.9	(E)1988.86	(E)1988.9	(E)1988.94	(E)1989.0	(E)1989.03	(E)1989.0	(E)1988.97	(E)1988.9	(E)1988.91	(E)1988.8	(E)1988.60	(E)1988.6	(E)1988.62	(E)1988.4	(E)1988.44	(E)1988.2	(E)1988.20	(E)1988.0	(E)1987.96	(E)1987.6	(E)1987.64	(E)1987.3	(E)1987.26	(E)1986.9	(E)1986.88	(E)1986.8	(E)1986.93	(E)1987.0	(E)1986.99



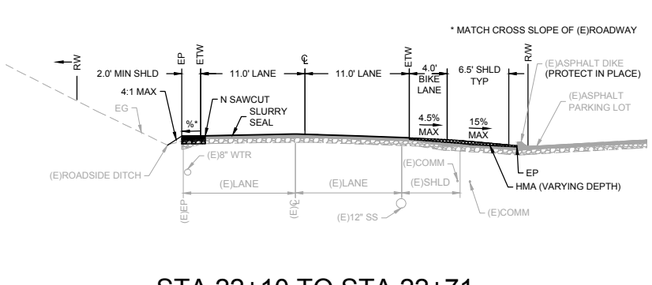
SECTIONS



STA 19+03 TO STA 19+54
NOT TO SCALE



STA 19+54 TO STA 22+10
NOT TO SCALE



STA 22+10 TO STA 22+71
NOT TO SCALE

NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: 1" = 20'
VERT. SCALE:

R.E.Y. ENGINEERS, INC.
Civil Engineers | Land Surveyors | LIDAR
925 Sutter Street, Suite 200 Folsom, CA 95630
Phone (916) 366-3040 Fax (916) 366-3333

UPPER BROADWAY BIKE LANES
CIP# 41508
PLAN & SECTIONS 18+00 - 22+00
CITY OF PLACERVILLE CALIFORNIA

DRAWING INFO
DATE: 10/24/2019
DRAFTER: KI/VGM/GVR
DESIGNER: CASB
REVIEWER: JWR

PROJECT NO.
6884.003
SHEET NO. **C19** OF **C43**

R:\6884 - City of Placerville\003 - Upper Broadway Bike Lanes\10 - CAD Drawings\Improvement Plans\6884.003 PLAN AND PROFILE C18-C20.dwg Oct 24, 2019 - 12:21pm, vgmcgrew

0 10' 20' 40'

SCALE IN FEET

℄ LINE DATA		
#	BEARING	LENGTH
(1)	N48°59'35"E	51.17'
(2)	N81°38'24"E	15.93'

℄ CURVE DATA			
#	DELTA	RADIUS	LENGTH
(1)	32°38'49"	410.00	233.62'
(2)	24°48'52"	490.00	42.67'

SHEET LEGEND:
SEE SHEET C02 FOR FULL LEGEND.

(#) CONSTRUCTION NOTE

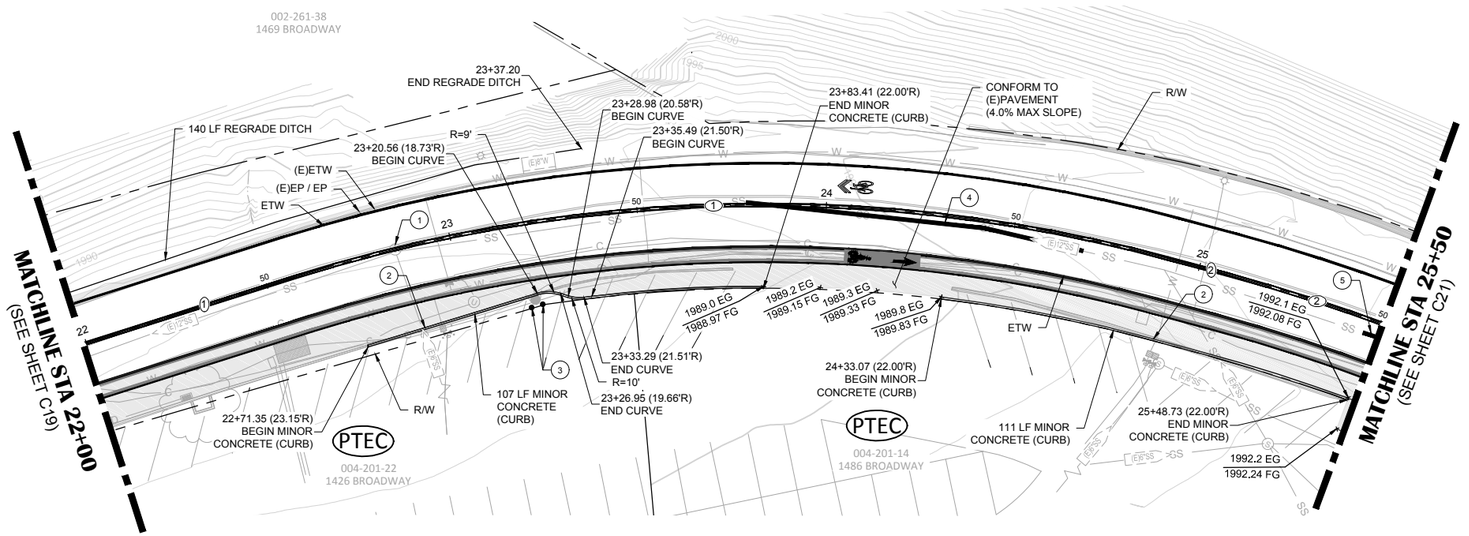
(#) CENTERLINE ALIGNMENT LINE SEGMENT (SEE TABLE ON THIS SHEET)

(#) CENTERLINE ALIGNMENT CURVE SEGMENT (SEE TABLE ON THIS SHEET)

PAVEMENT REHABILITATION AREA (SEE SHEETS C11 - C13 FOR PAVING INFORMATION)

GREEN BIKE LANE

XXXX.X EG / XXXX.XX FG — SPOT ELEVATIONS



CONSTRUCTION NOTES:

(1) 22+85.24 (0.12'R)
SSMH STRUCTURAL LINING.

(2) MINOR CONCRETE (CURB) WITH 6" EXPOSED HEIGHT (SEE DETAIL 7 ON SHEET C02).

(3) 23+18.41 (22.24'R) & 23+21.66 (21.84'R)
BOLLARD. (SEE DETAIL 18 ON SHEET C04).

(4) 23+78.82 (0.68'L) TO 24+69.07 (3.35'R)
REMOVE & REPLACE 91 LF SANITARY SEWER PIPE TO CORRECT SAG.

(5) 25+46.56 (3.93'R) TO 25+50.00 (3.83'R)
REMOVE & REPLACE 4 LF SANITARY SEWER PIPE TO CORRECT SAG.

NOTES:

- THE CITY OF PLACERVILLE & CALTRANS SHARE A RIGHT-OF-WAY LINE FROM STA 23+47 TO STA 75+81 ON THE NORTH SIDE OF BROADWAY.
- RADIUS INFORMATION IS PARALLEL TO THE CENTERLINE ALIGNMENT, UNLESS OTHER NOTED.
- QUANTITIES SHOWN REPRESENT IMPROVEMENTS DISPLAYED ON THIS SHEET.
- MAXIMUM ALLOWABLE GRADE BREAK FOR PAVEMENT CONFORMS & PEDESTRIAN FACILITIES IS 8%, UNLESS OTHERWISE NOTED.
- TYPICAL SECTION FOR STA 22+00 TO STA 22+71 LOCATED ON SHEET C19.

BROADWAY

BROADWAY CL STA	22+00	22+50	23+00	23+50	24+00	24+50	25+00	25+50
EG @ NORTH EP/ FG @ NORTH EP	(E)1987.6 1988.10	(E)1988.1 88.07	(E)1987.9 88.11	(E)1987.9 88.16	(E)1987.9 88.18	(E)1988.2 88.18	(E)1988.1 88.24	(E)1988.3 88.32
MATCH EG @ NORTH SAWCUT	(E)1988.2	(E)1988.2	(E)1988.2	(E)1988.2	(E)1988.2	(E)1988.2	(E)1988.2	(E)1988.3
MATCH EG @ CL/ FG @ INSIDE BIKE LANE	(E)1988.3 1987.95	(E)1988.3 1987.88	(E)1988.2 1987.77	(E)1988.2 1987.62	(E)1988.1 1987.49	(E)1988.1 1987.47	(E)1988.1 1987.44	(E)1988.2 1987.46
FG @ OUTSIDE BIKE LANE	(E)1987.77	(E)1987.71	(E)1987.59	(E)1987.44	(E)1987.31	(E)1987.29	(E)1987.26	(E)1987.35
EG/ FG @ SOUTH EP	(E)1987.0 1986.99	(E)1987.1 1987.05	(E)1987.1 1987.11	(E)1987.2 1987.17	(E)1987.2 1987.22	(E)1987.3 1987.27	(E)1987.3 1987.33	(E)1987.4 1987.40

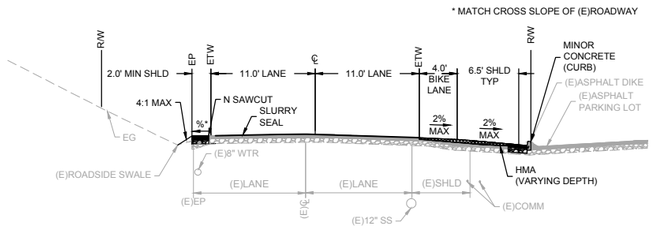
BROADWAY CL STA	22+00	22+50	23+00	23+50	24+00	24+50	25+00	25+50
EG @ NORTH EP/ FG @ NORTH EP	(E)1988.2	(E)1988.2	(E)1988.2	(E)1988.9	(E)1989.0	(E)1989.2	(E)1989.4	(E)1989.5
MATCH EG @ NORTH SAWCUT	(E)1988.3 1987.98	(E)1988.1 87.47	(E)1988.2 1987.43	(E)1988.6 1988.06	(E)1988.8 1988.19	(E)1988.9 1988.32	(E)1989.1 1988.51	(E)1989.3 1988.70
MATCH EG @ CL/ FG @ INSIDE BIKE LANE	(E)1988.4 1988.31	(E)1988.11 1988.44	(E)1988.7 1988.65	(E)1988.9 1988.84	(E)1988.8 1988.43	(E)1989.1 1988.51	(E)1989.3 1988.70	(E)1989.4 1988.91
FG @ OUTSIDE BIKE LANE	(E)1988.2 1988.18	(E)1987.85 1987.93	(E)1988.6 1987.93	(E)1988.8 1988.78	(E)1989.0 1988.83	(E)1989.2 1988.91	(E)1989.4 1988.91	(E)1989.5 1988.91
EG/ FG @ SOUTH EP	(E)1987.7 1987.66	(E)1987.71 1987.79	(E)1988.5 1987.79	(E)1988.6 1988.65	(E)1988.7 1988.78	(E)1988.9 1989.04	(E)1989.0 1989.12	(E)1989.1 1989.25

BROADWAY CL STA	22+00	22+50	23+00	23+50	24+00	24+50	25+00	25+50
EG @ NORTH EP/ FG @ NORTH EP	(E)1989.4	(E)1989.5	(E)1989.7	(E)1989.9	(E)1990.0	(E)1990.2	(E)1990.4	(E)1990.6
MATCH EG @ NORTH SAWCUT	(E)1989.4 1988.91	(E)1989.5 1988.91	(E)1989.7 1988.91	(E)1989.9 1989.04	(E)1990.0 1989.12	(E)1990.2 1989.25	(E)1990.4 1989.49	(E)1990.6 1989.74
MATCH EG @ CL/ FG @ INSIDE BIKE LANE	(E)1989.7 1989.04	(E)1989.9 1989.12	(E)1990.0 1989.25	(E)1990.2 1989.49	(E)1990.4 1989.74	(E)1990.6 1989.99	(E)1990.8 1990.07	(E)1991.1 1990.13
FG @ OUTSIDE BIKE LANE	(E)1989.7 1989.49	(E)1989.9 1989.74	(E)1990.0 1989.99	(E)1990.2 1990.07	(E)1990.4 1990.13	(E)1990.6 1990.31	(E)1990.8 1990.36	(E)1991.1 1990.55
EG/ FG @ SOUTH EP	(E)1989.9 1989.74	(E)1990.0 1989.99	(E)1990.2 1990.07	(E)1990.4 1990.13	(E)1990.6 1990.31	(E)1990.8 1990.36	(E)1991.1 1990.55	(E)1991.3 1990.62

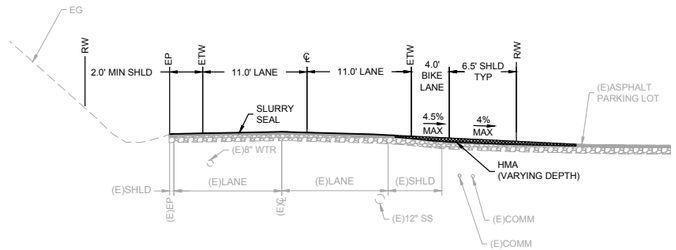
BROADWAY CL STA	22+00	22+50	23+00	23+50	24+00	24+50	25+00	25+50
EG @ NORTH EP/ FG @ NORTH EP	(E)1990.9	(E)1991.1	(E)1991.3	(E)1991.5	(E)1991.7	(E)1991.8	(E)1992.0	(E)1992.2
MATCH EG @ NORTH SAWCUT	(E)1990.7 1990.07	(E)1990.9 1990.31	(E)1991.1 1990.55	(E)1991.4 1990.80	(E)1991.6 1991.06	(E)1991.7 1991.29	(E)1991.9 1991.54	(E)1992.1 1991.77
MATCH EG @ CL/ FG @ INSIDE BIKE LANE	(E)1990.8 1990.36	(E)1991.1 1990.55	(E)1991.3 1990.62	(E)1991.5 1990.88	(E)1991.6 1991.06	(E)1991.7 1991.29	(E)1991.8 1991.36	(E)1992.0 1991.59
FG @ OUTSIDE BIKE LANE	(E)1990.9 1990.62	(E)1991.1 1990.80	(E)1991.3 1990.88	(E)1991.5 1991.06	(E)1991.7 1991.29	(E)1991.8 1991.36	(E)1992.0 1991.59	(E)1992.2 1991.77
EG/ FG @ SOUTH EP	(E)1990.7 1990.48	(E)1990.8 1990.71	(E)1991.0 1991.09	(E)1991.1 1991.21	(E)1991.2 1991.47	(E)1991.4 1991.68	(E)1991.5 1991.85	(E)1991.7 1992.06

BROADWAY CL STA	22+00	22+50	23+00	23+50	24+00	24+50	25+00	25+50
EG @ NORTH EP/ FG @ NORTH EP	(E)1992.4	(E)1992.6	(E)1992.9					
MATCH EG @ NORTH SAWCUT	(E)1992.6 1992.27	(E)1992.8 1992.45	(E)1993.0 1992.67					
MATCH EG @ CL/ FG @ INSIDE BIKE LANE								
FG @ OUTSIDE BIKE LANE								
EG/ FG @ SOUTH EP								

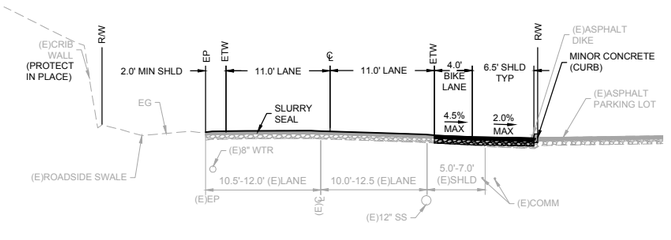
SECTIONS



STA 22+71 TO STA 23+58
NOT TO SCALE



STA 23+99 TO STA 24+33
NOT TO SCALE



STA 23+58 TO STA 23+99, STA 24+33 TO STA 25+49
NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER
JAMES W. PACHL
No. 73197
Exp. 12/31/20
CIVIL
STATE OF CALIFORNIA

NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: 1" = 20'
VERT. SCALE:

R.E.Y. ENGINEERS, INC.
Civil Engineers | Land Surveyors | LiDAR
925 Sutter Street, Suite 200 Folsom, CA 95630
Phone (916) 366-3040 Fax (916) 366-3333

UPPER BROADWAY BIKE LANES
CIP# 41508
PLAN & SECTIONS 22+00 - 25+50
CITY OF PLACERVILLE CALIFORNIA

DRAWING INFO
DATE: 10/24/2019
DRAFTER: KIVGM/GVR
DESIGNER: CASB
REVIEWER: JWP

PROJECT NO.
6884.003
SHEET NO. **C20** OF **C43**

R:\6884 - City of Placerville\003 - Upper Broadway Bike Lanes\10 - CAD Drawings\Improvement Plans\6884.003 PLAN AND PROFILE C21-C23.dwg Oct 24, 2019 - 12:26pm, vgmcgrew

0 10' 20' 40'

SCALE IN FEET

℄ LINE DATA

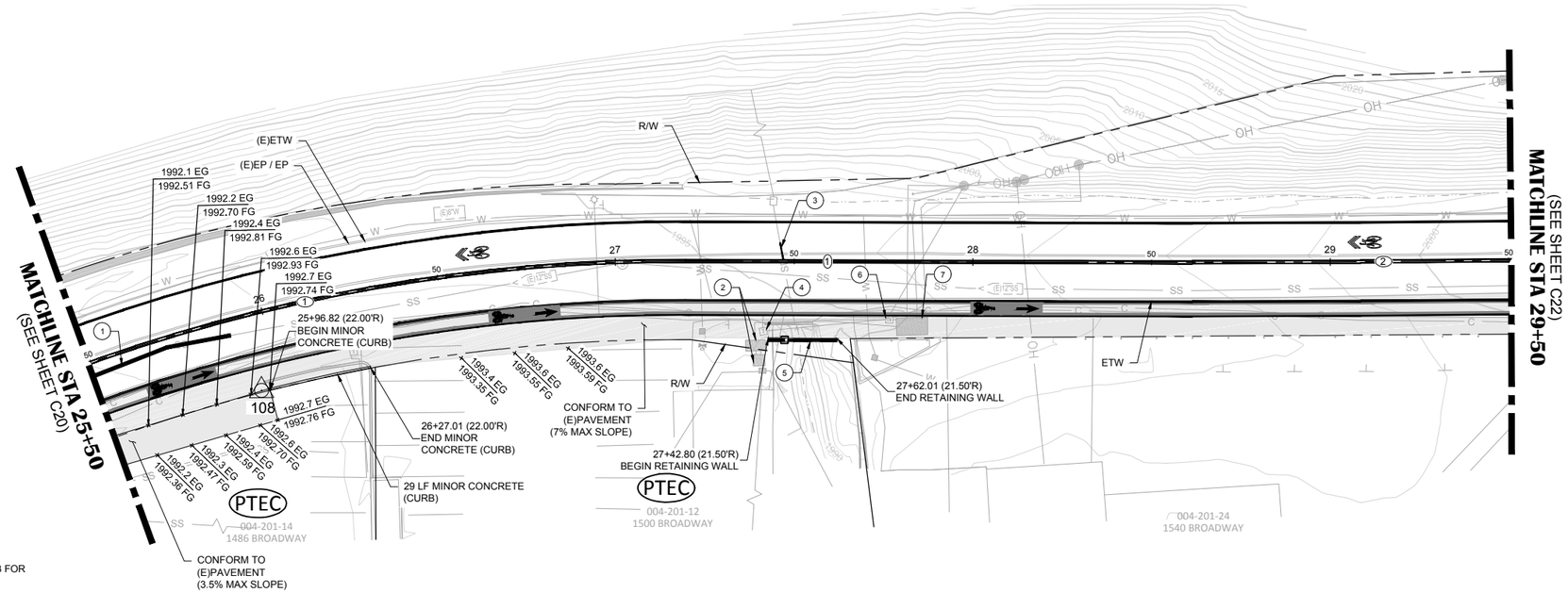
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1	S73°32'44"E	94.84'

℄ CURVE DATA

#	DELTA	RADIUS	LENGTH
1	24°48'52"	490.00	169.54'
2	2°41'42"	9000.00	135.62'

SHEET LEGEND:
SEE SHEET C02 FOR FULL LEGEND.

- (#) CONSTRUCTION NOTE
- (#) CENTERLINE ALIGNMENT LINE SEGMENT (SEE TABLE ON THIS SHEET)
- (#) CENTERLINE ALIGNMENT CURVE SEGMENT (SEE TABLE ON THIS SHEET)
- PROJECT CONTROL POINT (SEE TABLE ON THIS SHEET)
- PAVEMENT REHABILITATION AREA (SEE SHEETS C11 - C13 FOR PAVING INFORMATION)
- GREEN BIKE LANE
- XXXX.X EG / XXXX.XX FG SPOT ELEVATIONS



CONSTRUCTION NOTES:

1. 25+50.00 (3.83'R) TO 25+89.75 (4.42'R) REMOVE & REPLACE 40 LF SANITARY SEWER PIPE TO CORRECT SAG.
2. PROTECT (E)UTILITIES IN PLACE. STEEPER PAVEMENT CROSS SLOPES MAY BE USED TO TIE INTO (E)VAULT UPON APPROVAL FROM THE ENGINEER.
3. STORM DRAIN PIPE SPOT REPAIR TO REPAIR DAMAGED AREA ON TOP OF PIPE. CONTRACTOR TO VERIFY EXACT LOCATION OF SPOT REPAIR.
4. UTILITY PEDESTAL TO BE REPLACED WITH A TRAFFIC RATED VAULT BY OTHERS (COMCAST).
5. RETAINING WALL 2 (CONCRETE) 19.2 LF CIP CONCRETE HEADWALL & CONNECT TO 48" CMP. SEE SHEET S5 FOR WALL DETAILS. 19.2 LF OF PEDESTRIAN RAILING (WALL MOUNTED).
6. UTILITY BOX TO BE ADJUSTED TO GRADE BY OTHERS (COMCAST). CONTRACTOR TO COORDINATE SEQUENCE OF WORK WITH OTHERS.
7. VAULT TO BE ADJUSTED TO GRADE BY OTHERS (PG&E). CONTRACTOR TO COORDINATE SEQUENCE OF WORK WITH OTHERS.

NOTES:

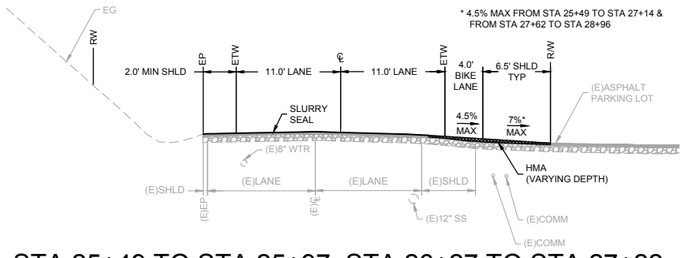
- THE CITY OF PLACERVILLE & CALTRANS SHARE A RIGHT-OF-WAY LINE FROM STA 23+47 TO STA 75+81 ON THE NORTH SIDE OF BROADWAY.
- RADIUS INFORMATION IS PARALLEL TO THE CENTERLINE ALIGNMENT, UNLESS OTHER NOTED.
- QUANTITIES SHOWN REPRESENT IMPROVEMENTS DISPLAYED ON THIS SHEET.
- MAXIMUM ALLOWABLE GRADE BREAK FOR PAVEMENT CONFORMS & PEDESTRIAN FACILITIES IS 8%, UNLESS OTHERWISE NOTED.
- TYPICAL SECTION FOR STA 27+62 TO STA 28+92 CAN BE FOUND ON SHEET C22.

BROADWAY

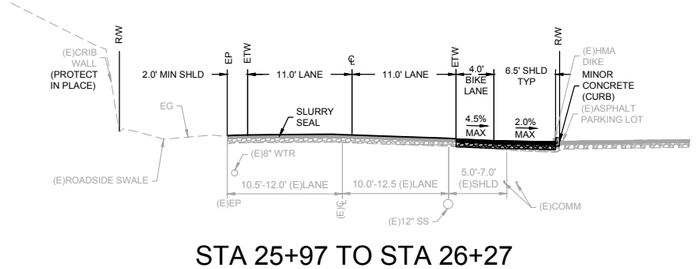
BENCHMARK DATA				
#	GRID NORTHING	GRID EASTING	ELEVATION	POINT DESCRIPTION
△108	2031397.23	6911192.60	1992.73	MAG NAIL

BROADWAY CL STA	25+50	26+00	26+50	27+00	27+50	28+00	28+50	29+00	29+50
EG @ NORTH EP	(E)1992.9	(E)1993.2	(E)1993.4	(E)1993.7	(E)1993.9	(E)1994.1	(E)1994.2	(E)1994.4	(E)1994.5	(E)1994.6	(E)1994.7	(E)1994.8	(E)1994.8	(E)1994.9	(E)1994.9	(E)1995.0	(E)1995.1	(E)1995.2	(E)1995.3	(E)1995.4	(E)1995.6	(E)1995.7	(E)1995.9	(E)1996.1	(E)1996.3	(E)1996.5	(E)1996.7	(E)1997.0	(E)1997.2	(E)1997.5	(E)1997.8	(E)1998.0	(E)1998.3	(E)1998.6	(E)1998.9	(E)1999.2	(E)1999.6	(E)1999.9	(E)2000.3	(E)2000.6
MATCH EG @ CL/ FG @ INSIDE BIKE LANE	(E)1993.0 1992.67	(E)1993.2 1992.86	(E)1993.5 1992.99	(E)1993.6 1993.12	(E)1993.8 1993.19	(E)1993.9 1993.25	(E)1994.0 1993.29	(E)1994.1 1993.32	(E)1994.1 1993.34	(E)1994.2 1993.36	(E)1994.2 1993.42	(E)1994.2 1993.48	(E)1994.3 1993.59	(E)1994.4 1993.70	(E)1994.5 1993.83	(E)1994.6 1993.99	(E)1994.7 1994.14	(E)1994.9 1994.32	(E)1995.0 1994.52	(E)1995.2 1994.73	(E)1995.4 1994.97	(E)1995.6 1995.15	(E)1995.8 1995.42	(E)1996.1 1995.60	(E)1996.3 1995.99	(E)1996.6 1996.30	(E)1996.8 1996.60	(E)1997.1 1996.84	(E)1997.3 1997.05	(E)1997.6 1997.28	(E)1997.8 1997.48	(E)1998.1 1997.70	(E)1998.3 1997.91	(E)1998.6 1998.12	(E)1998.8 1998.37	(E)1999.1 1998.70	(E)1999.4 1999.02	(E)1999.6 1999.36	(E)2000.1 1999.70	(E)2000.5 2000.07	(E)2000.9 2000.38
FG @ OUTSIDE BIKE LANE	1992.49	1992.68	1992.81	1992.94	1993.01	1993.07	(E)1992.9 1992.90	(E)1993.0 1993.01	(E)1993.1 1993.06	(E)1993.2 1993.18	(E)1993.3 1993.30	(E)1993.5 1993.46	(E)1993.6 1993.56	(E)1993.6 1993.59	(E)1993.6 1993.63	(E)1993.8 1993.64	(E)1993.7 1993.65	(E)1993.7 1993.67	(E)1994.3 1994.22	(E)1994.0 1994.07	(E)1989.8 1994.45	(E)1994.9 1994.83	(E)1995.0 1995.15	(E)1995.4 1995.41	(E)1995.9 1995.86	(E)1996.3 1996.29	(E)1996.7 1996.65	(E)1996.9 1996.86	(E)1997.0 1997.05	(E)1967.3 1997.26	(E)1997.3 1997.36	(E)1997.7 1997.67	(E)1997.8 1997.80	(E)1997.9 1997.90	(E)1998.0 1998.03	(E)1998.2 1998.22	(E)1998.5 1998.50	(E)1998.9 1998.86	(E)1999.2 1999.18	(E)1999.5 1999.52	(E)1999.8 1999.84
EG/FG @ SOUTH EP																																							

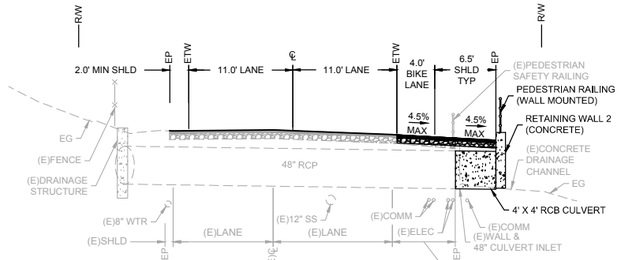
SECTIONS



STA 25+49 TO STA 25+97, STA 26+27 TO STA 27+22,
STA 28+92 TO STA 29+50
NOT TO SCALE



STA 25+97 TO STA 26+27
STA 27+22 TO STA 27+43,
NOT TO SCALE



STA 27+43 TO STA 27+62
NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER
JAMES W. REY
No. 73197
Exp. 12/31/20
CIVIL
STATE OF CALIFORNIA

NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: 1" = 20'
VERT. SCALE: _____

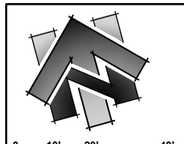
R.E.Y. ENGINEERS, INC.
Civil Engineers | Land Surveyors | LiDAR
925 Sutter Street, Suite 200 Folsom, CA 95630
Phone (916) 366-3040 Fax (916) 366-3333

UPPER BROADWAY BIKE LANES
CIP# 41508
PLAN & SECTIONS 25+50 - 29+50
CITY OF PLACERVILLE CALIFORNIA

DRAWING INFO
DATE: 10/24/2019
DRAFTER: KI/VGM/GVR
DESIGNER: CASB
REVIEWER: JRF

PROJECT NO.
6884.003
SHEET NO. **C21** OF **C43**

R:\6884 - City of Placerville\003 - Upper Broadway Bike Lanes\10 - CAD Drawings\Improvement Plans\6884.003 PLAN AND PROFILE C21-C23.dwg Oct 24, 2019 - 12:29pm, vgmcgrew



0 10' 20' 40'

SCALE IN FEET

℄ LINE DATA

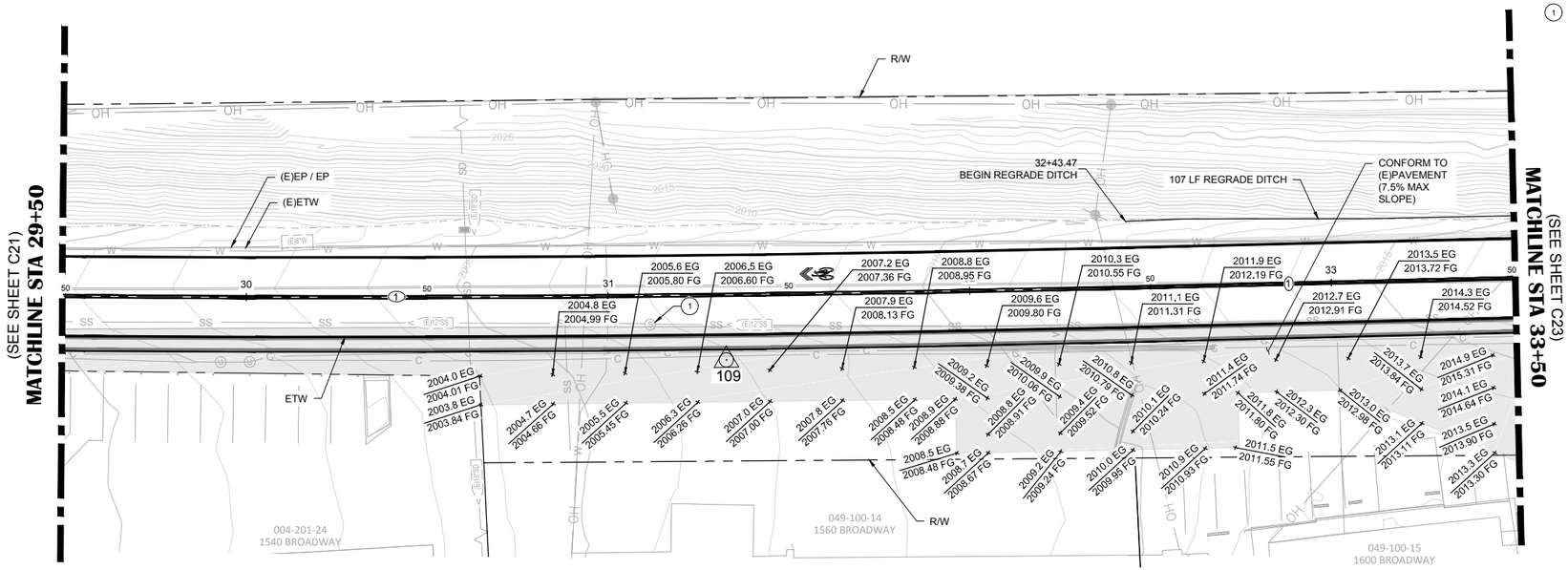
#	BEARING	LENGTH
1	S76°14'26"E	112.30'

℄ CURVE DATA

#	DELTA	RADIUS	LENGTH
1	2°41'42"	9000.00	287.70'

SHEET LEGEND:
SEE SHEET C02 FOR FULL LEGEND.

- (#) CONSTRUCTION NOTE
- (#) CENTERLINE ALIGNMENT LINE SEGMENT (SEE TABLE ON THIS SHEET)
- (#) CENTERLINE ALIGNMENT CURVE SEGMENT (SEE TABLE ON THIS SHEET)
- △ PROJECT CONTROL POINT (SEE TABLE ON THIS SHEET)
- PAVEMENT REHABILITATION AREA (SEE SHEETS C11 - C13 FOR PAVING INFORMATION)
- XXXX.X EG / XXXX.XX FG SPOT ELEVATIONS



CONSTRUCTION NOTES:

1. 31+11.62 (7.99'R) SSMH STRUCTURAL LINING.

NOTES:

- THE CITY OF PLACERVILLE & CALTRANS SHARE A RIGHT-OF-WAY LINE FROM STA 23+47 TO STA 75+81 ON THE NORTH SIDE OF BROADWAY.
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- QUANTITIES SHOWN REPRESENT IMPROVEMENTS DISPLAYED ON THIS SHEET.
- MAXIMUM ALLOWABLE GRADE BREAK FOR PAVEMENT CONFORMS & PEDESTRIAN FACILITIES IS 8%, UNLESS OTHERWISE NOTED.

BENCHMARK DATA

#	GRID NORTHING	GRID EASTING	ELEVATION	POINT DESCRIPTION
△109	2031269.90	6911709.64	2006.88	MAG NAIL

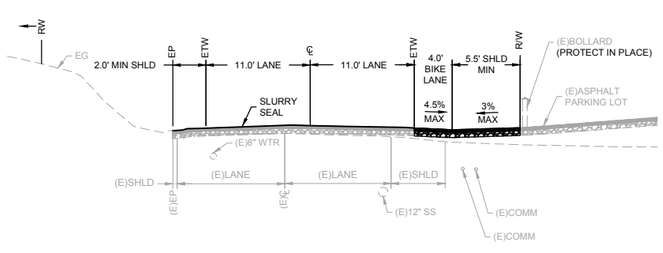
BROADWAY

BROADWAY CL STA	29+50		30+00		30+50		31+00		31+50		32+00		32+50		33+00		33+50	
EG @ NORTH EP	(E)2000.6	(E)2001.0	(E)2001.4	(E)2001.8	(E)2002.2	(E)2002.5	(E)2002.9	(E)2003.2	(E)2003.6	(E)2004.0	(E)2004.4	(E)2004.8	(E)2005.2	(E)2005.6	(E)2006.0	(E)2006.4	(E)2006.8	(E)2007.2
MATCH EG @ NORTH SAWCUT																		
MATCH EG @ CL/ FG @ INSIDE BIKE LANE	(E)2000.9 2000.38	(E)2001.2 2000.78	(E)2001.6 2001.08	(E)2001.9 2001.45	(E)2002.3 2001.79	(E)2002.6 2002.10	(E)2003.0 2002.46	(E)2003.4 2002.82	(E)2003.8 2003.28	(E)2004.2 2003.70	(E)2004.6 2004.13	(E)2005.0 2004.59	(E)2005.4 2004.91	(E)2005.8 2005.28	(E)2006.2 2005.64	(E)2006.6 2006.06	(E)2007.0 2006.51	(E)2007.4 2006.85
FG @ OUTSIDE BIKE LANE	2000.20	2000.59	2000.90	2001.27	2001.61	2001.92	2002.27	2002.64	2003.10	2003.51	2003.95	2004.40	2004.73	2005.09	2005.46	2005.87	2006.33	2006.67
EG/FG @ SOUTH EP	(E)1999.8 1999.84	(E)2000.2 2000.18	(E)2000.5 2000.54	(E)2000.9 2000.87	(E)2001.2 2001.22	(E)2001.6 2001.58	(E)2001.8 2001.78	(E)2002.2 2002.18	(E)2002.6 2002.65	(E)2003.0 2003.01	(E)2003.4 2003.40	(E)2003.8 2003.78						

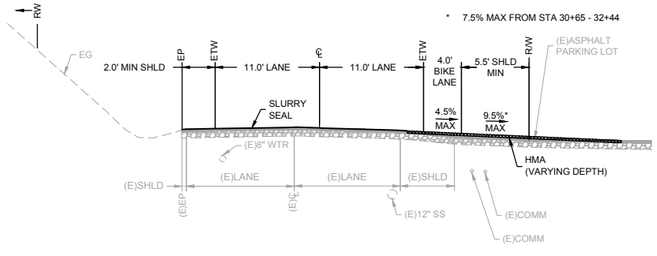
BROADWAY CL STA	34+00		34+50		35+00		35+50		36+00		36+50		37+00		37+50		38+00	
EG @ NORTH EP	(E)2007.5	(E)2007.9	(E)2008.3	(E)2008.7	(E)2009.1	(E)2009.5	(E)2009.8	(E)2010.3	(E)2010.7	(E)2011.1	(E)2011.5	(E)2011.9	(E)2012.3 2012.28	(E)2012.7 2012.67	(E)2013.1 2013.06	(E)2013.5 2013.45	(E)2013.9 2013.85	(E)2014.3 2014.24
													(E)2012.3 2012.07	(E)2012.7 2012.49	(E)2013.1 2012.90	(E)2013.5 2013.32	(E)2013.9 2013.74	(E)2014.3 2014.16
MATCH EG @ CL/ FG @ INSIDE BIKE LANE	(E)2007.7 2007.24	(E)2008.1 2007.62	(E)2008.5 2007.98	(E)2008.9 2008.40	(E)2009.3 2008.79	(E)2009.7 2009.24	(E)2010.1 2009.66	(E)2010.5 2010.07	(E)2010.9 2010.50	(E)2011.3 2010.87	(E)2011.7 2011.26	(E)2012.1 2011.65	(E)2012.4 2012.07	(E)2012.8 2012.49	(E)2013.2 2012.90	(E)2013.7 2013.32	(E)2014.1 2013.74	(E)2014.5 2014.16
FG @ OUTSIDE BIKE LANE	2007.44	2007.80	2008.22	2008.61	2009.05	2009.48	2009.89	2010.32	2010.69	2011.08	2011.47	2011.89	2012.31	2012.72	2013.14	2013.56	2013.98	2014.39
EG/FG @ SOUTH EP																		

BROADWAY CL STA	38+50		39+00		39+50		40+00		40+50		41+00		41+50		42+00		42+50	
EG @ NORTH EP	(E)2014.7 2014.64	(E)2015.1	(E)2015.5	(E)2015.9	(E)2016.3													
	(E)2014.7 2014.57	(E)2015.3 2014.98	(E)2015.8 2015.39	(E)2016.2 2015.79	(E)2016.5 2016.17													
MATCH EG @ CL/ FG @ INSIDE BIKE LANE	(E)2014.9 2014.80	(E)2015.3 2014.98	(E)2015.8 2015.39	(E)2016.2 2015.79	(E)2016.5 2016.17													
FG @ OUTSIDE BIKE LANE	2014.80	2015.21	2015.61	2015.99														
EG/FG @ SOUTH EP																		

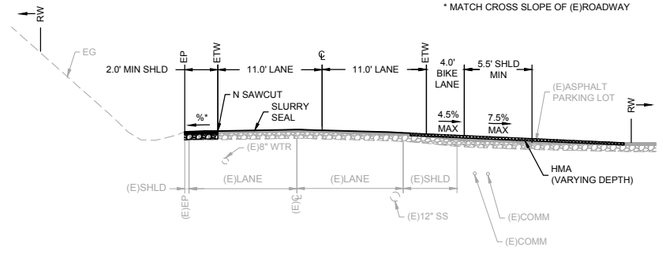
SECTIONS



STA 27+62 TO STA 28+92
NOT TO SCALE



STA 29+50 TO STA 32+44
NOT TO SCALE



STA 32+44 TO STA 33+50
NOT TO SCALE



NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: 1" = 20'
VERT. SCALE:



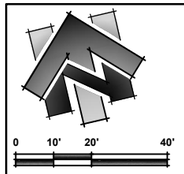
R.E.Y. ENGINEERS, INC.
Civil Engineers | Land Surveyors | LiDAR
925 Sutter Street | Suite 200 Folsom, CA 95630
Phone (916) 366-3040 Fax (916) 366-3333

UPPER BROADWAY BIKE LANES
CIP# 41508
PLAN & SECTIONS 29+50 - 33+50
CITY OF PLACERVILLE CALIFORNIA

DRAWING INFO
DATE: 10/24/2019
DRAFTER: KI/VGM/GVR
DESIGNER: CASB
REVIEWER: JWR

PROJECT NO.
6884.003
SHEET NO. **C22** OF **C43**

R:\6884 - City of Placerville\003 - Upper Broadway Bike Lanes\10 - CAD Drawings\Improvement Plans\6884.003 PLAN AND PROFILE C21-C23.dwg Oct 24, 2019 - 12:31pm, vgmcgraw



℄ LINE DATA

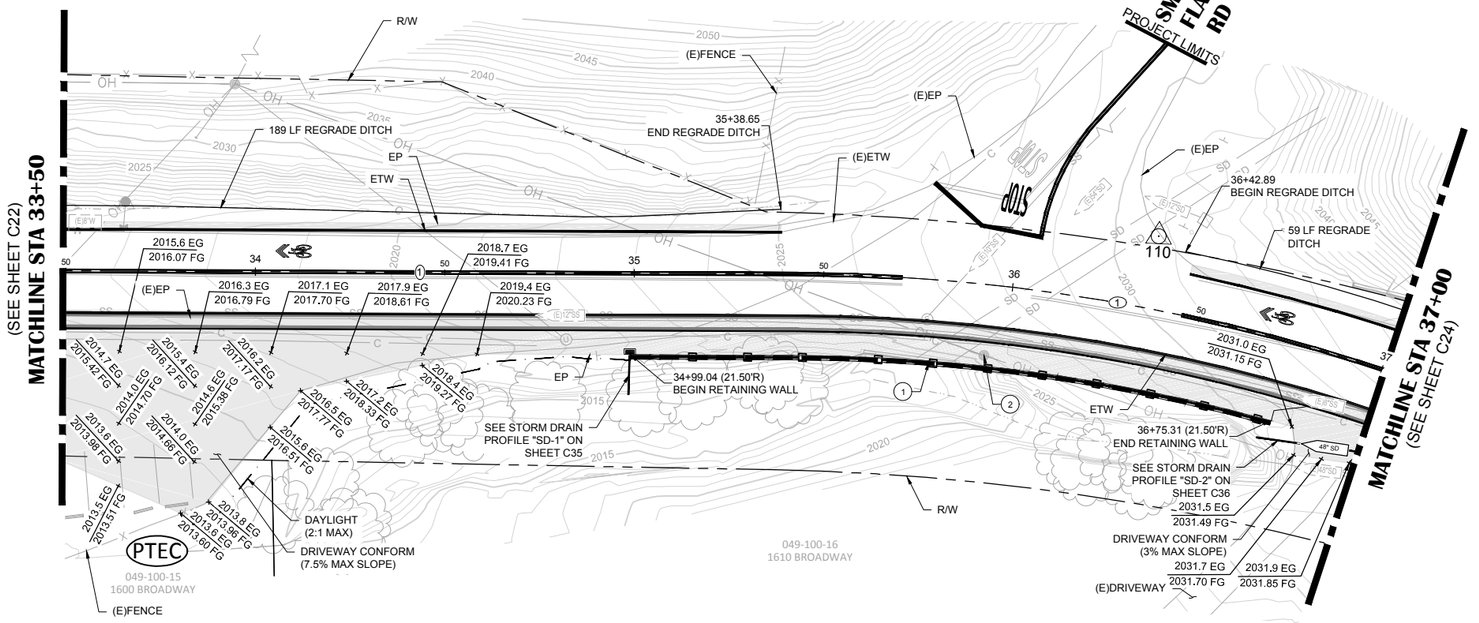
#	BEARING	LENGTH
1	S76°14'26"E	192.98'

℄ CURVE DATA

#	DELTA	RADIUS	LENGTH
1	18°34'10"	500.00	157.02'

SHEET LEGEND:
SEE SHEET C02 FOR FULL LEGEND.

- (#) CONSTRUCTION NOTE
- (#) CENTERLINE ALIGNMENT LINE SEGMENT (SEE TABLE ON THIS SHEET)
- (#) CENTERLINE ALIGNMENT CURVE SEGMENT (SEE TABLE ON THIS SHEET)
- △ PROJECT CONTROL POINT (SEE TABLE ON THIS SHEET)
- PAVEMENT REHABILITATION AREA (SEE SHEETS C11 - C13 FOR PAVING INFORMATION)
- XXXX.X EG / XXXX.XX FG — SPOT ELEVATIONS



CONSTRUCTION NOTES:

1. RETAINING WALL 3 (SOLDIER PILE)
   170.6 LF OF RETAINING WALL (SOLDIER PILE) WITH CONCRETE SD EXTENSION (SEE SHEET S7). 170.6 LF OF PEDESTRIAN RAILING (WALL MOUNTED).
2. PROTECT (E)POLE IN PLACE.

NOTES:

- THE CITY OF PLACERVILLE & CALTRANS SHARE A RIGHT-OF-WAY LINE FROM STA 23+47 TO STA 75+81 ON THE NORTH SIDE OF BROADWAY.
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BENCHMARK DATA

#	GRID NORTHING	GRID EASTING	ELEVATION	POINT DESCRIPTION
△110	2031176.55	6912207.82	2030.74	MAG NAIL

BROADWAY

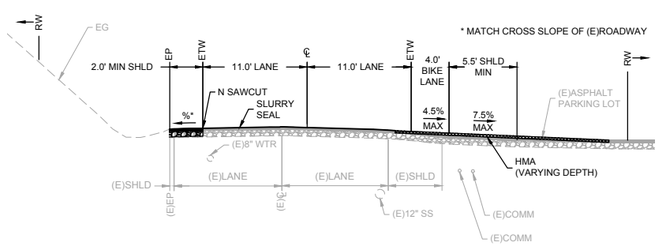
BROADWAY CL STA	33+50		34+00		34+50		35+00		35+50		36+00		36+50		37+00	
EG @ NORTH EP/ FG @ NORTH EP	(E)2015.8	2016.24	(E)2016.3	2016.67	(E)2016.7	2017.09	(E)2017.1	2017.52	(E)2017.4	2017.95	(E)2017.7	2018.39	(E)2018.2	2019.23	(E)2018.8	2019.67
MATCH EG @ NORTH SAWCUT	(E)2016.3	2016.17	(E)2016.7	2016.54	(E)2017.1	2016.91	(E)2016.6	2017.28	(E)2018.0	2017.66	(E)2018.4	2018.05	(E)2018.8	2018.44	(E)2019.2	2018.85
MATCH EG @ CL/ FG @ INSIDE BIKE LANE	2015.99	(E)2016.5	2016.36	(E)2016.9	2016.73	(E)2017.3	2017.10	(E)2017.7	2017.47	(E)2018.1	2017.87	(E)2018.5	2018.26	(E)2018.9	2018.67	(E)2019.3
FG @ OUTSIDE BIKE LANE																
EG/FG @ SOUTH EP																

BROADWAY CL STA	33+50		34+00		34+50		35+00		35+50		36+00		36+50		37+00	
EG @ NORTH EP/ FG @ NORTH EP	(E)2016.5	2016.17	(E)2016.9	2016.54	(E)2017.3	2016.91	(E)2017.7	2017.28	(E)2018.1	2017.66	(E)2018.5	2018.05	(E)2018.9	2018.44	(E)2019.3	2018.85
MATCH EG @ NORTH SAWCUT	2015.99	(E)2016.5	2016.36	(E)2016.9	2016.73	(E)2017.3	2017.10	(E)2017.7	2017.47	(E)2018.1	2017.87	(E)2018.5	2018.26	(E)2018.9	2018.67	(E)2019.3
MATCH EG @ CL/ FG @ INSIDE BIKE LANE	(E)2019.4	2020.30	(E)2020.2	2020.78	(E)2021.0	2021.28	(E)2021.5	2021.78	(E)2022.0	2022.31	(E)2022.3	2022.82	(E)2022.4	2023.31	(E)2022.4	2023.80
FG @ OUTSIDE BIKE LANE	2020.43	(E)2021.1	2020.91	(E)2021.5	2021.40	(E)2022.0	2021.91	(E)2022.5	2022.41	(E)2023.0	2022.92	(E)2023.5	2023.41	(E)2024.0	2023.89	(E)2024.5
EG/FG @ SOUTH EP	(E)2020.6	2020.15	(E)2021.0	2021.01	(E)2021.4	2021.09	(E)2021.9	2021.59	(E)2022.4	2022.09	(E)2022.9	2022.60	(E)2023.4	2023.10	(E)2024.0	2023.59

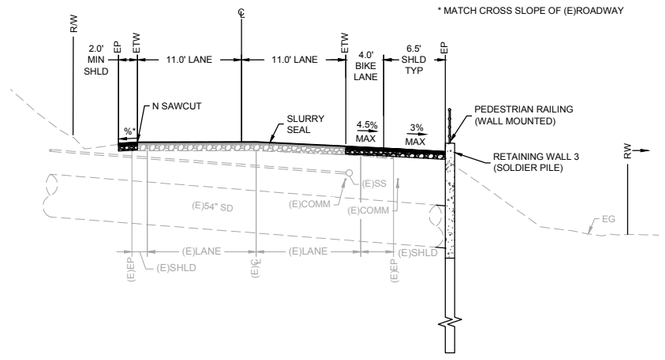
BROADWAY CL STA	33+50		34+00		34+50		35+00		35+50		36+00		36+50		37+00	
EG @ NORTH EP/ FG @ NORTH EP	(E)2020.1	2020.11	(E)2019.9	2020.56	(E)2020.4	2021.01	(E)2020.7	2021.45	(E)2021.0	2021.92	(E)2021.5	2022.42	(E)2022.3	2022.91	(E)2023.0	2023.45
MATCH EG @ NORTH SAWCUT	(E)2020.2	2019.70	(E)2020.6	2020.15	(E)2021.1	2020.61	(E)2021.5	2021.09	(E)2021.9	2021.59	(E)2022.5	2022.09	(E)2023.0	2022.60	(E)2023.5	2023.10
MATCH EG @ CL/ FG @ INSIDE BIKE LANE	(E)2020.9	2024.27	(E)2021.5	2024.69	(E)2015.1	2025.11	(E)2025.2	2025.21	(E)2026.0	2025.39	(E)2015.5	2025.58	(E)2025.6	2025.68	(E)2026.5	2025.86
FG @ OUTSIDE BIKE LANE	(E)2025.0	2024.37	(E)2025.5	2024.79	(E)2025.5	2024.97	(E)2026.0	2025.39	(E)2015.5	2025.58	(E)2026.5	2025.86	(E)2027.0	2026.35	(E)2027.6	2026.84
EG/FG @ SOUTH EP	(E)2024.3	2026.55	(E)2025.8	2027.04	(E)2026.8	2027.64	(E)2028.7	2027.83	(E)2029.2	2028.30	(E)2029.8	2028.81	(E)2030.3	2029.33	(E)2029.9	2029.90

BROADWAY CL STA	33+50		34+00		34+50		35+00		35+50		36+00		36+50		37+00	
EG @ NORTH EP/ FG @ NORTH EP	(E)2021.7	2031.68	(E)2032.0	2032.27	(E)2032.6	2032.80	(E)2033.1	2033.31	(E)2033.6	2033.83	(E)2034.1	2034.34				
MATCH EG @ NORTH SAWCUT	(E)2031.5	2031.39	(E)2031.4	2030.47	(E)2032.0	2030.94	(E)2032.5	2031.39	(E)2033.0	2031.82	(E)2033.5	2032.21				
MATCH EG @ CL/ FG @ INSIDE BIKE LANE	(E)2029.0	2029.72	(E)2030.2	2030.10	(E)2030.5	2030.63	(E)2031.2	2031.21	(E)2031.6	2031.64	(E)2032.2	2032.02				
FG @ OUTSIDE BIKE LANE	(E)2028.5	2029.06	(E)2029.0	2029.58	(E)2029.3	2030.28	(E)2030.7	2030.76	(E)2031.2	2031.21	(E)2031.6	2031.64	(E)2032.2	2032.02		
EG/FG @ SOUTH EP	(E)2027.6	2028.11	(E)2028.0	2028.62	(E)2028.5	2029.15	(E)2029.0	2029.72	(E)2029.3	2030.28	(E)2030.5	2030.76	(E)2031.2	2031.21	(E)2031.6	2031.64

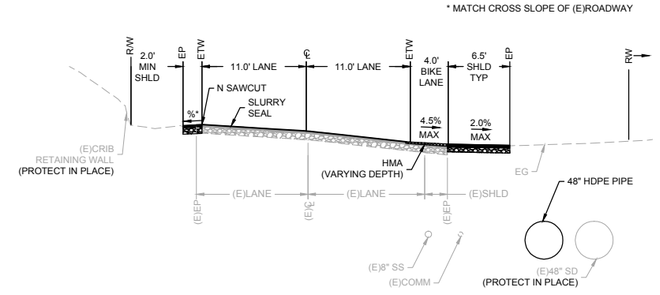
SECTIONS



STA 33+50 TO STA 34+99
NOT TO SCALE



STA 34+99 TO STA 36+75
NOT TO SCALE



STA 36+75 TO STA 37+00
NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER
JAMES W. FOLSOM
No. 73197
Exp. 12/31/20
CIVIL
STATE OF CALIFORNIA

NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: 1" = 20'
VERT. SCALE:

R.E.Y. ENGINEERS, INC.
Civil Engineers | Land Surveyors | LiDAR
925 Sutter Street, Suite 200 Folsom, CA 95630
Phone (916) 366-3040 Fax (916) 366-3303

UPPER BROADWAY BIKE LANES
CIP# 41508
PLAN & SECTIONS 33+50 - 37+00
CITY OF PLACERVILLE CALIFORNIA

DRAWING INFO
DATE: 10/24/2019
DRAFTER: KI/VGM/GJR
DESIGNER: CASB
REVIEWER: JWF

PROJECT NO.
6884.003
SHEET NO. **C23** OF **C43**

R:\6884 - City of Placerville\003 - Upper Broadway Bike Lanes\10 - CAD Drawings\Improvement Plans\6884.003 PLAN AND PROFILE C24-C26.dwg Oct 24, 2019 - 12:37pm, vgmcgrew

0 10' 20' 40'

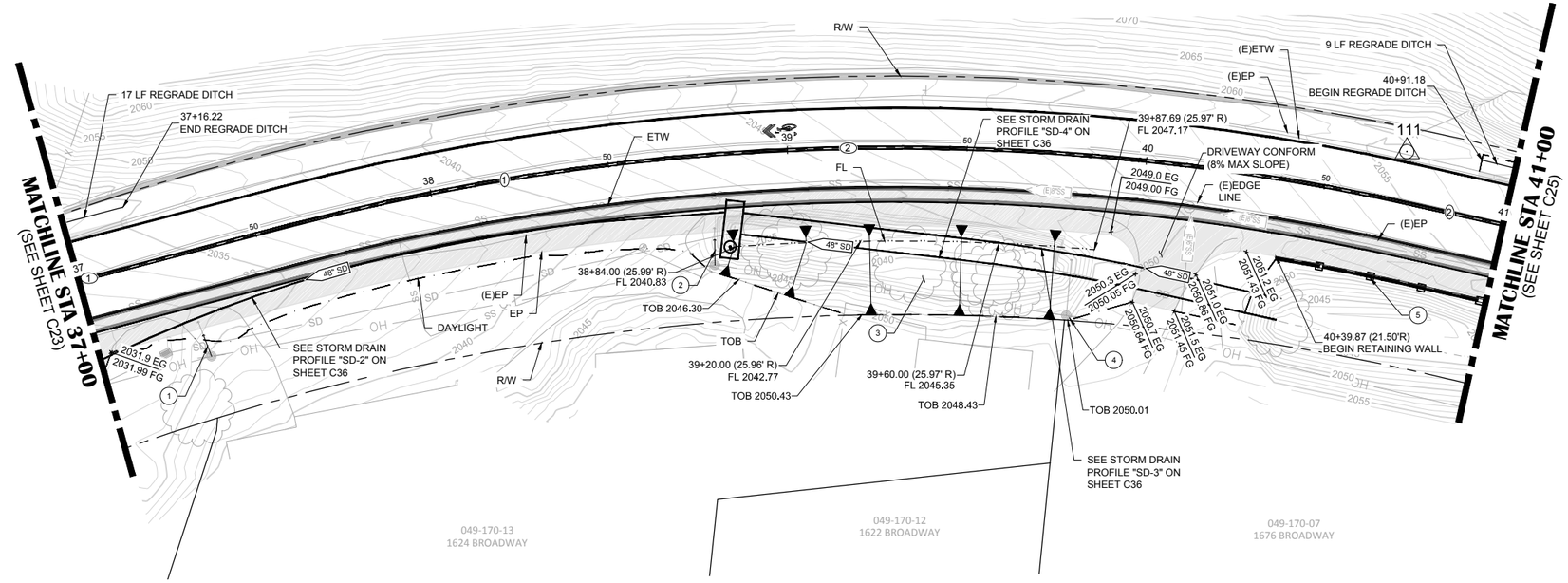
SCALE IN FEET

℄ LINE DATA

#	BEARING	LENGTH
1	S57°40'15"E	55.05'
2	S30°20'46"E	22.77'

℄ CURVE DATA

#	DELTA	RADIUS	LENGTH
1	18°34'10"	500.00	5.03'
2	27°19'29"	665.00	317.14'



SHEET LEGEND:
SEE SHEET C02 FOR FULL LEGEND.

- (#) CONSTRUCTION NOTE
- (#) CENTERLINE ALIGNMENT LINE SEGMENT (SEE TABLE ON THIS SHEET)
- (#) CENTERLINE ALIGNMENT CURVE SEGMENT (SEE TABLE ON THIS SHEET)
- PROJECT CONTROL POINT (SEE TABLE ON THIS SHEET)
- PAVEMENT REHABILITATION AREA (SEE SHEETS C11 - C13 FOR PAVING INFORMATION)
- XXXX.X EG / XXXX.XX FG — SPOT ELEVATIONS

CONSTRUCTION NOTES:

1. GUY ANCHOR AND WIRE TO BE RELOCATED BY OTHERS (AT&T). CONTRACTOR TO COORDINATE SEQUENCING WITH OTHERS. PROTECT GUY ANCHOR, WIRE AND (E)POLE IN PLACE.
2. GUY ANCHOR, WIRE & POLE TO BE TEMPORARILY RELOCATED BY OTHERS. GUY ANCHOR AND WIRE TO BE PERMANENTLY RELOCATED BY OTHERS (AT&T). CONTRACTOR TO COORDINATE SEQUENCING WITH OTHERS.
3. FILL IN (E)DITCH, INSTALL DUAL 48" HDPE PIPES & 2300 SF OF BIOFILTRATION SWALE #1 ABOVE PIPES (SEE DETAIL 17 ON SHEET C04 & STORM DRAIN PROFILES ON SHEET C36).
4. GUY ANCHOR & WIRE TO BE TEMPORARILY RELOCATED BY OTHERS (AT&T). CONTRACTOR TO COORDINATE SEQUENCING WITH OTHERS. PROTECT (E)POLE IN PLACE.
5. RETAINING WALL 4 (CONCRETE)
   59 LF OF CAST-IN-PLACE CONCRETE RETAINING WALL (SEE SHEET S10). INSTALL 59 LF OF PEDESTRIAN RAILING (WALL MOUNTED) ALONG TOP OF WALL.

NOTES:

- THE CITY OF PLACERVILLE & CALTRANS SHARE A RIGHT-OF-WAY LINE FROM STA 23+47 TO STA 75+81 ON THE NORTH SIDE OF BROADWAY.
- RADIUS INFORMATION IS PARALLEL TO THE CENTERLINE ALIGNMENT, UNLESS OTHER NOTED.
- QUANTITIES SHOWN REPRESENT IMPROVEMENTS DISPLAYED ON THIS SHEET.
- MAXIMUM ALLOWABLE GRADE BREAK FOR PAVEMENT CONFORMS & PEDESTRIAN FACILITIES IS 8%, UNLESS OTHERWISE NOTED.
- TYPICAL SECTION FOR STA 40+91 TO STA 42+63 LOCATED ON SHEET C25.

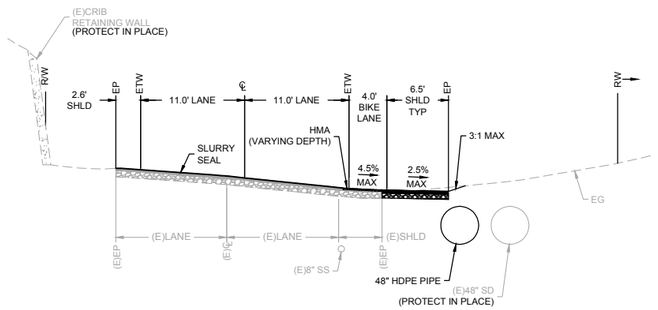
BENCHMARK DATA

#	GRID NORTHING	GRID EASTING	ELEVATION	POINT DESCRIPTION
△111	2030883.62	6912534.40	2055.54	REBAR WITH "REY CONTROL" CAP

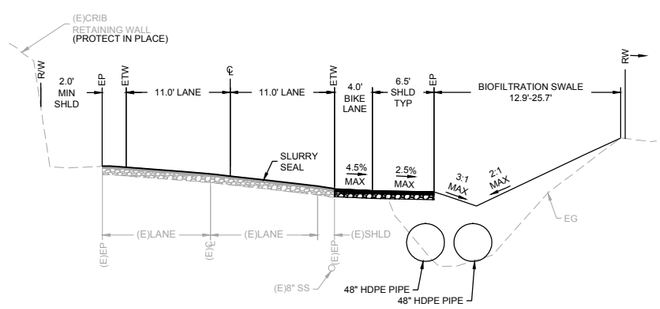
BROADWAY

BROADWAY CL STA	37+00	37+50	38+00	38+50	39+00	39+50	40+00	40+50	41+00
EG/FG @ NORTH EP	(E)2034.1 / 2034.34	(E)2034.7 / 2034.85	(E)2035.3	(E)2035.8	(E)2036.4	(E)2037.0	(E)2037.6	(E)2038.2	(E)2038.8	(E)2039.4	(E)2040.0	(E)2040.5	(E)2041.1	(E)2041.7	(E)2042.3	(E)2042.9	(E)2043.5	(E)2044.1	(E)2044.7	(E)2045.3	(E)2045.9	(E)2046.5	(E)2047.0	(E)2047.6	(E)2048.2	(E)2048.7	(E)2049.3	(E)2049.9	(E)2050.5	(E)2051.1	(E)2051.6	(E)2052.1	(E)2052.7	(E)2053.3	(E)2053.8	(E)2054.4	(E)2055.0	(E)2055.6	(E)2056.2	(E)2056.7	(E)2057.2
MATCH EG @ NORTH SAWCUT	(E)2034.2	(E)2034.7																																							(E)2057.2
MATCH EG @ CL/ FG @ INSIDE BIKE LANE	(E)2033.5 / 2032.21	(E)2033.9 / 2032.60	(E)2034.4 / 2033.08	(E)2034.9 / 2033.63	(E)2035.4 / 2034.20	(E)2036.0 / 2034.85	(E)2036.6 / 2035.51	(E)2037.2 / 2036.09	(E)2037.8 / 2036.64	(E)2038.4 / 2037.18	(E)2039.0 / 2037.70	(E)2039.6 / 2038.21	(E)2040.2 / 2038.80	(E)2040.7 / 2039.37	(E)2041.3 / 2040.00	(E)2041.9 / 2040.62	(E)2042.5 / 2041.22	(E)2043.1 / 2041.82	(E)2043.7 / 2042.41	(E)2044.3 / 2042.97	(E)2044.8 / 2043.51	(E)2045.4 / 2043.94	(E)2046.0 / 2044.57	(E)2046.5 / 2045.16	(E)2047.1 / 2045.77	(E)2047.8 / 2046.47	(E)2048.4 / 2047.16	(E)2049.0 / 2047.82	(E)2049.6 / 2048.48	(E)2050.2 / 2049.15	(E)2050.8 / 2049.82	(E)2051.4 / 2050.45	(E)2051.9 / 2051.04	(E)2052.5 / 2051.63	(E)2053.1 / 2052.22	(E)2053.7 / 2052.82	(E)2054.2 / 2053.40	(E)2054.8 / 2053.97	(E)2055.4 / 2054.55	(E)2056.1 / 2055.15	(E)2056.7 / 2055.81
FG @ OUTSIDE BIKE LANE	2032.02	2032.42	2032.90	2033.45	2034.02	2034.67	2035.32	2036.00	2036.45	2036.99	2037.52	2038.03	2038.61	2039.19	2039.81	2040.44	2041.04	2041.63	2042.22	2042.79	2043.33	2043.75	2044.39	2044.97	2045.59	2046.29	2046.98	2047.64	2048.29	2048.96	2049.63	2050.27	2050.85	2051.45	2052.04	2052.63	2053.21	2053.79	2054.36	2054.96	2055.62	2056.3
EG/FG @ SOUTH EP	(E)2032.6 / 2032.29	(E)2032.0 / 2032.77	(E)2034.6 / 2033.89	(E)2035.0 / 2034.54	(E)2035.6 / 2035.20	(E)2036.1 / 2035.79	(E)2036.6 / 2036.33	(E)2037.1 / 2036.87	(E)2037.6 / 2037.40	(E)2038.1 / 2037.91	(E)2038.7 / 2038.49	(E)2039.3 / 2039.06	(E)2040.1 / 2039.69	(E)2040.8 / 2040.31	(E)2041.5 / 2040.91	(E)2042.1 / 2041.51	(E)2038.4 / 2042.10	(E)2034.5 / 2042.67	(E)2035.9 / 2043.20	(E)2037.7 / 2043.63	(E)2039.5 / 2044.26	(E)2041.1 / 2044.85	(E)2045.46	(E)2042.7 / 2046.16	(E)2044.8 / 2046.85	(E)2047.1 / 2047.51	(E)2048.5 / 2046.16	(E)2049.1 / 2048.84	2049.63	2050.27	2050.85	2051.45	(E)2051.8 / 2051.95	(E)2051.9 / 2052.54	(E)2052.3 / 2053.12	(E)2052.7 / 2053.69	(E)2053.0 / 2054.27	(E)2053.2 / 2054.87	(E)2053.6 / 2055.53	

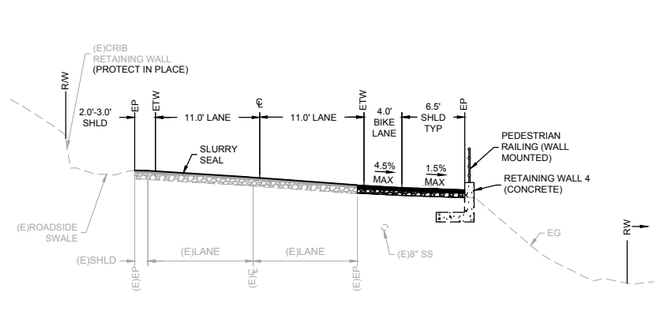
SECTIONS



STA 37+00 TO STA 38+70, STA 39+86 TO 40+40
NOT TO SCALE



STA 38+70 TO STA 39+86
NOT TO SCALE



STA 40+40 TO STA 40+91
NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER
JAMES W. FORE
No. 73197
Exp. 12/31/20
CIVIL
STATE OF CALIFORNIA

NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: 1" = 20'
VERT. SCALE: _____

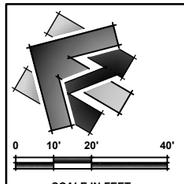
REY ENGINEERS, INC.
Civil Engineers | Land Surveyors | LiDAR
925 Sutter Street | Suite 200 Folsom, CA 95630
Phone (916) 366-3040 Fax (916) 366-3333

UPPER BROADWAY BIKE LANES
CIP# 41508
PLAN & SECTIONS 37+00 - 41+00
CITY OF PLACERVILLE CALIFORNIA

DRAWING INFO
DATE: 10/24/2019
DRAFTER: KJ/GM/GJ/R
DESIGNER: CASB
REVIEWER: JWF

PROJECT NO. 6884.003
SHEET NO. C24 OF C43

R:\6884 - City of Placerville\003 - Upper Broadway Bike Lanes\10 - CAD Drawings\Improvement Plans\6884.003 PLAN AND PROFILE C24-C26.dwg Oct 24, 2019 - 12:39pm, vgmcgraw



SCALE IN FEET

℄ LINE DATA

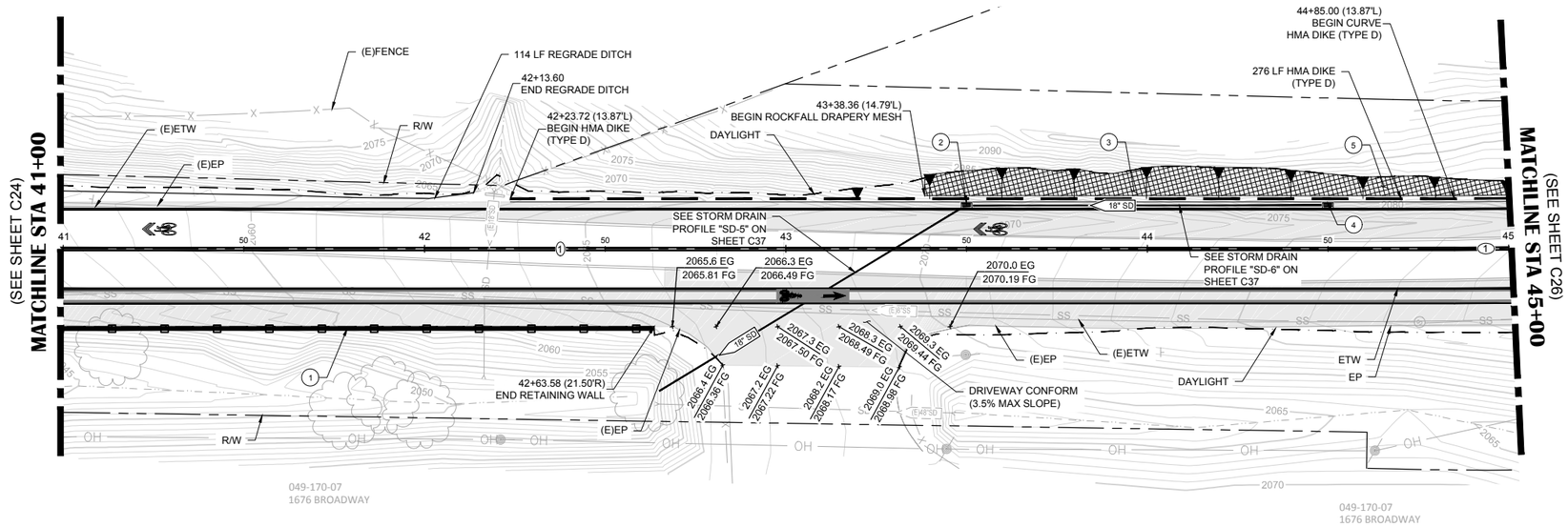
#	BEARING	LENGTH
1	S30°20'46"E	385.00'

℄ CURVE DATA

#	DELTA	RADIUS	LENGTH
1	25°25'05"	975.00	15.00'

SHEET LEGEND:
SEE SHEET C02 FOR FULL LEGEND.

- (#) CONSTRUCTION NOTE
- (#) CENTERLINE ALIGNMENT CURVE SEGMENT (SEE TABLE ON THIS SHEET)
- (#) CENTERLINE ALIGNMENT LINE SEGMENT (SEE TABLE ON THIS SHEET)
- PAVEMENT REHABILITATION AREA (SEE SHEETS C11 - C13 FOR PAVING INFORMATION)
- GREEN BIKE LANE
- XXXX.X EG / XXXX.XX FG — SPOT ELEVATIONS



CONSTRUCTION NOTES:

1. RETAINING WALL 4 (CONCRETE)
   164 LF OF CONCRETE RETAINING WALL (SEE SHEET S10). 164 LF OF PEDESTRIAN RAILING (WALL MOUNTED).
2. 43+49.98 (12.75 (L))
   TYPE "G1" DI WITH BIKE SAFE GRATE 24-12X PER CALTRANS STD PLANS D72E & D77B.
3. NEAR VERTICAL SLOPE ROADWAY EXCAVATION INTO ROCK (1:2).
4. 44+49.98 (12.75 (L))
   TYPE "G1" DI WITH BIKE SAFE GRATE 24-12X PER CALTRANS STD PLANS D72E & D77B.
5. 1,052 SF OF ROCKFALL DRAPERY MESH.

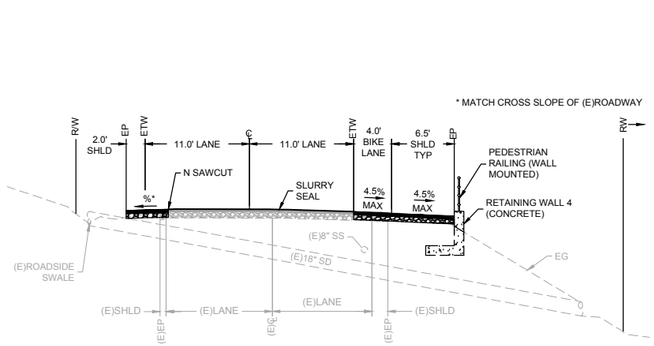
NOTES:

- THE CITY OF PLACERVILLE & CALTRANS SHARE A RIGHT-OF-WAY LINE FROM STA 23+47 TO STA 75+81 ON THE NORTH SIDE OF BROADWAY.
- RADIUS INFORMATION IS PARALLEL TO THE CENTERLINE ALIGNMENT, UNLESS OTHER NOTED.
- QUANTITIES SHOWN REPRESENT IMPROVEMENTS DISPLAYED ON THIS SHEET.
- MAXIMUM ALLOWABLE GRADE BREAK FOR PAVEMENT CONFORMS & PEDESTRIAN FACILITIES IS 8%, UNLESS OTHERWISE NOTED.

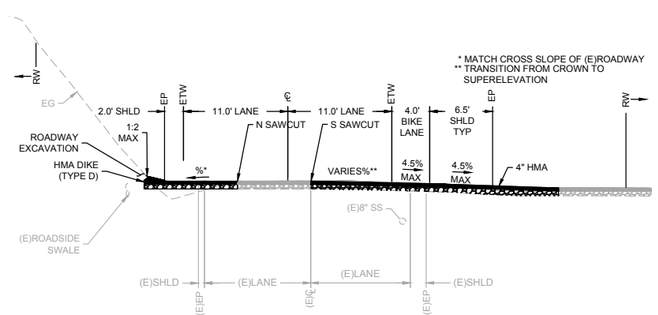
BROADWAY

BROADWAY CL STA	41+00	41+50	42+00	42+50	43+00	43+50	44+00	44+50	45+00
EG/FG @ NORTH EP	(E)2057.2 2057.27	(E)2057.7 2057.81	(E)2058.1 2058.33	(E)2058.5 2058.83	(E)2059.0 2059.35	(E)2059.5 2059.90	(E)2059.9 2060.46	(E)2060.5 2061.00	(E)2061.1 2061.55	(E)2061.7 2062.09	(E)2062.0 2062.64	(E)2062.4 2063.18	(E)2062.7 2063.71	(E)2063.3 2064.25	(E)2063.7 2064.78	(E)2064.1 2065.31	(E)2064.5 2065.85	(E)2064.8 2066.41	(E)2065.1 2066.98	(E)2065.5 2067.51	(E)2066.6 2068.03	(E)2068.2 2068.52	(E)2069.7 2068.99	(E)2071.0 2069.45	(E)2072.2 2069.90	(E)2073.7 2070.32	(E)2074.9 2070.76	(E)2074.7 2071.24	(E)2074.7 2071.72	(E)2075.2 2072.19	(E)2076.4 2072.66	(E)2077.8 2073.14	(E)2078.7 2073.61	(E)2079.6 2074.06	(E)2080.0 2074.50	(E)2080.5 2074.96	(E)2080.4 2075.37	(E)2080.6 2075.86	(E)2080.5 2076.36	(E)2080.4 2076.84	(E)2081.5 2077.29
EG @ NORTH SAWCUT	(E)2057.2 2057.7	(E)2057.7 2057.81	(E)2058.3 2058.33	(E)2058.8 2058.83	(E)2059.3 2059.35	(E)2059.9 2059.90	(E)2060.4 2060.46	(E)2061.0 2061.00	(E)2061.5 2061.55	(E)2062.1 2062.09	(E)2062.6 2062.64	(E)2063.2 2063.18	(E)2063.7 2063.71	(E)2064.2 2064.25	(E)2064.7 2064.78	(E)2065.3 2065.31	(E)2065.8 2065.85	(E)2066.4 2066.41	(E)2067.0 2066.98	(E)2067.5 2067.51	(E)2068.0 2068.03	(E)2068.5 2068.52	(E)2069.0 2068.99	(E)2069.5 2069.45	(E)2070.0 2069.90	(E)2070.5 2070.32	(E)2071.0 2070.76	(E)2071.4 2071.24	(E)2072.0 2071.72	(E)2072.5 2072.19	(E)2073.0 2072.66	(E)2073.5 2073.14	(E)2074.0 2073.61	(E)2074.5 2074.06	(E)2075.0 2074.50	(E)2075.4 2074.96	(E)2075.9 2075.37	(E)2076.4 2075.86	(E)2076.8 2076.36	(E)2077.3 2076.84	(E)2077.8 2077.29
MATCH EG @ CL/ FG @ INSIDE BIKE LANE	(E)2056.7 2055.81	(E)2057.3 2056.49	(E)2058.0 2057.19	(E)2058.6 2057.90	(E)2059.3 2058.59	(E)2059.9 2059.27	(E)2060.4 2059.94	(E)2061.0 2060.54	(E)2061.5 2061.13	(E)2062.1 2061.72	(E)2062.6 2062.30	(E)2063.1 2062.87	(E)2063.7 2063.44	(E)2064.2 2064.01	(E)2064.7 2064.56	(E)2065.3 2065.11	(E)2065.8 2065.66	(E)2066.4 2066.21	(E)2067.0 2066.76	(E)2067.5 2067.37	(E)2068.0 2067.98	(E)2068.6 2068.60	(E)2069.1 2069.14	(E)2069.6 2069.66	(E)2070.1 2070.21	(E)2070.5 2070.74	(E)2071.0 2071.28	(E)2071.6 2071.84	(E)2072.1 2072.40	(E)2072.6 2072.96	(E)2073.1 2073.49	(E)2073.6 2074.03	(E)2074.1 2074.57	(E)2074.6 2075.09	(E)2075.1 2075.62	(E)2075.6 2076.12	(E)2076.0 2076.62	(E)2076.5 2077.11	(E)2077.0 2077.59	(E)2077.5 2078.07	(E)2078.0 2078.55
FG @ OUTSIDE BIKE LANE	(E)2056.8 2055.62	(E)2057.3 2056.30	(E)2057.7 2057.00	(E)2058.2 2057.71	(E)2058.8 2058.40	(E)2059.3 2059.09	(E)2059.9 2059.76	(E)2060.4 2060.35	(E)2060.9 2060.94	(E)2061.5 2061.53	(E)2062.1 2062.11	(E)2062.6 2062.68	(E)2063.2 2063.26	(E)2063.7 2063.83	(E)2064.2 2064.38	(E)2064.7 2064.93	(E)2065.3 2065.47	(E)2065.8 2066.02	(E)2066.4 2066.57	(E)2067.0 2067.19	(E)2067.5 2067.80	(E)2068.0 2068.41	(E)2068.5 2068.96	(E)2069.0 2068.96	(E)2069.5 2069.48	(E)2070.0 2070.02	(E)2070.5 2070.91	(E)2071.0 2070.80	(E)2071.6 2071.45	(E)2072.1 2072.02	(E)2072.5 2072.58	(E)2072.6 2073.13	(E)2073.1 2073.67	(E)2073.6 2074.21	(E)2074.1 2074.74	(E)2074.6 2075.27	(E)2075.1 2075.79	(E)2075.6 2076.30	(E)2076.0 2076.80	(E)2076.5 2077.28	(E)2077.0 2077.76	(E)2077.5 2078.24	(E)2078.0 2078.72
EG/FG @ SOUTH EP	(E)2053.8 2055.53	(E)2054.0 2056.21	(E)2055.0 2056.91	(E)2056.0 2057.62	(E)2056.8 2058.31	(E)2057.6 2059.00	(E)2058.4 2059.67	(E)2059.2 2060.26	(E)2060.3 2060.85	(E)2060.7 2061.44	(E)2061.3 2062.02	(E)2061.9 2062.59	(E)2062.2 2063.16	(E)2063.1 2063.74	(E)2063.5 2064.28	(E)2064.1 2064.83	(E)2064.7 2065.38																								

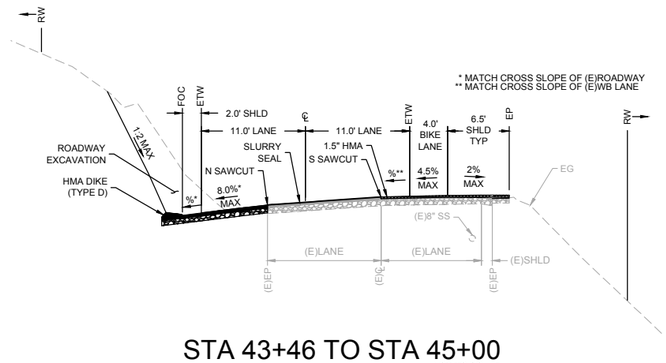
SECTIONS



STA 40+91 TO STA 42+63
NOT TO SCALE



STA 42+63 TO STA 43+46
NOT TO SCALE



STA 43+46 TO STA 45+00
NOT TO SCALE



NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: 1" = 20'
VERT. SCALE:



R.E.Y. ENGINEERS, INC.
Civil Engineers | Land Surveyors | LiDAR
925 Sutter Street, Suite 200 Folsom, CA 95630
Phone (916) 366-3040 Fax (916) 366-3333

UPPER BROADWAY BIKE LANES
CIP# 41508
PLAN & SECTIONS 41+00 - 45+00
CITY OF PLACERVILLE — **CALIFORNIA**

DRAWING INFO
DATE: 10/24/2019
DRAFTER: KVGM/GR
DESIGNER: CAB
REVIEWER: JWF

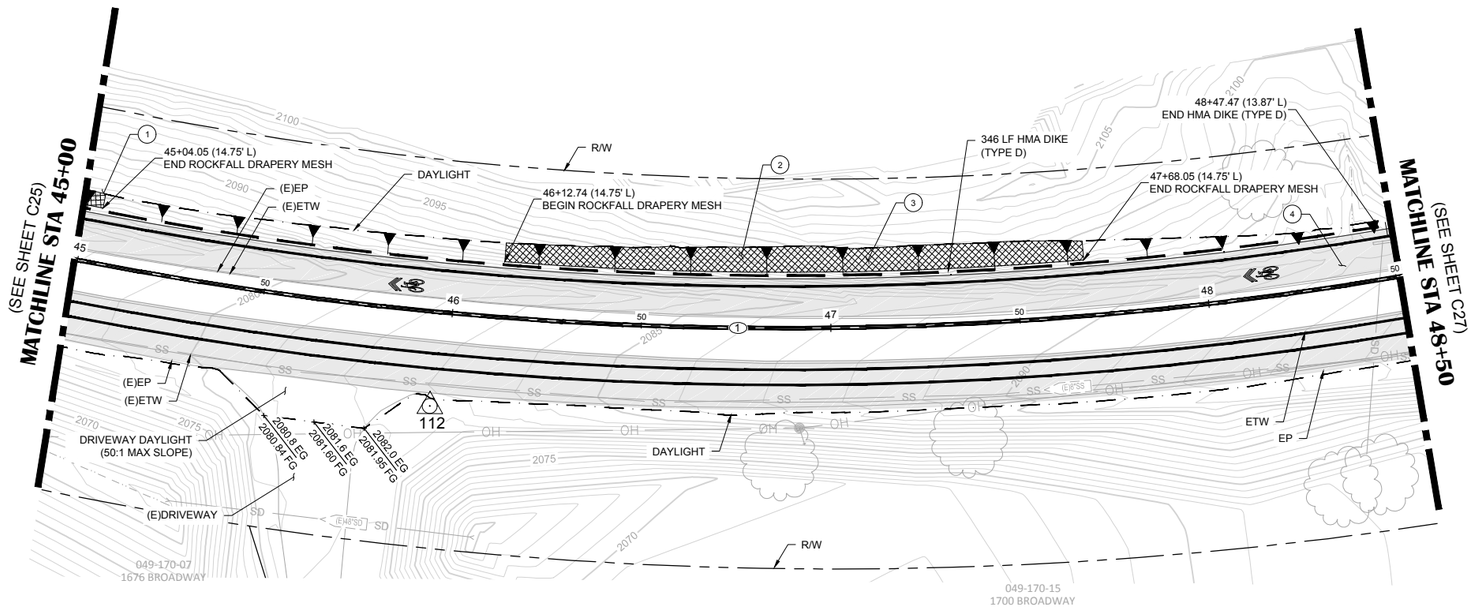
PROJECT NO.
6884.003
SHEET NO. **C25** OF **C43**

R:\6884 - City of Placerville\003 - Upper Broadway Bike Lanes\10 - CAD Drawings\Improvement Plans\6884.003 PLAN AND PROFILE C24-C26.dwg Oct 24, 2019 - 12:41pm, vgmcgrew

0 10' 20' 40'

SCALE IN FEET

℄ CURVE DATA			
#	DELTA	RADIUS	LENGTH
1	25°25'05"	975.00	350.00'



CONSTRUCTION NOTES:

1. 16 SF OF ROCKFALL DRAPERY MESH.
2. NEAR VERTICAL SLOPE ROADWAY EXCAVATION INTO ROCK (1:2).
3. 933 SF OF ROCKFALL DRAPERY MESH.
4. STA 48+35 - 48+52:
   GRADING & ROADWAY EXCAVATION TO BE COORDINATED WITH THE UPPER BROADWAY STORM DRAIN REPLACEMENT PROJECT PLANS.

SHEET LEGEND:
SEE SHEET C02 FOR FULL LEGEND.

- (#) CONSTRUCTION NOTE
- (#) CENTERLINE ALIGNMENT LINE SEGMENT (SEE TABLE ON THIS SHEET)
- (#) CENTERLINE ALIGNMENT CURVE SEGMENT (SEE TABLE ON THIS SHEET)
- PROJECT CONTROL POINT (SEE TABLE ON THIS SHEET)
- PAVEMENT REHABILITATION AREA (SEE SHEETS C11 - C13 FOR PAVING INFORMATION)
- XXXX.X EG / XXXX.XX FG — SPOT ELEVATIONS

BENCHMARK DATA				
#	GRID NORTHING	GRID EASTING	ELEVATION	POINT DESCRIPTION
△112	2030411.05	6912773.63	2082.41	REBAR WITH "REY CONTROL" CAP

NOTES:
- THE CITY OF PLACERVILLE & CALTRANS SHARE A RIGHT-OF-WAY LINE FROM STA 23+47 TO STA 75+81 ON THE NORTH SIDE OF BROADWAY.
- RADIUS INFORMATION IS PARALLEL TO THE CENTERLINE ALIGNMENT, UNLESS OTHERWISE NOTED.
- QUANTITIES SHOWN REPRESENT IMPROVEMENTS DISPLAYED ON THIS SHEET.
- MAXIMUM ALLOWABLE GRADE BREAK FOR PAVEMENT CONFORMS & PEDESTRIAN FACILITIES IS 8%, UNLESS OTHERWISE NOTED.
- SECTION FOR STA 55+19 TO 55+68 IS ON SHEET C29

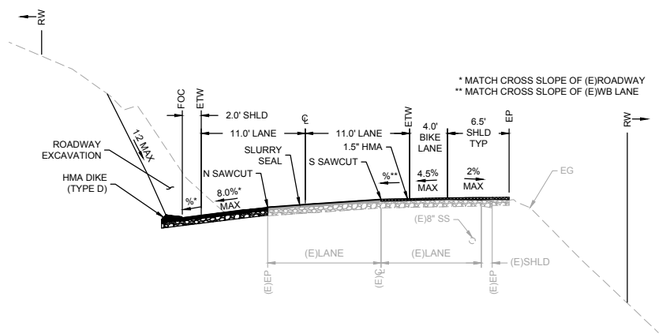
BROADWAY

BROADWAY CL STA	45+00	45+50	46+00	46+50	47+00	47+50	48+00	48+50
EG/FG @ NORTH EP	(E)2081.5 (E)2077.8	(E)2082.0 2078.11	(E)2082.3 2078.48	(E)2082.9 2079.18	(E)2083.8 2079.60	(E)2084.6 2080.03	(E)2085.7 2080.91	(E)2086.1 2081.38
MATCH EG @ NORTH SAWCUT	(E)2078.0 2078.55	(E)2078.6 2079.44	(E)2079.0 2079.85	(E)2079.8 2080.71	(E)2080.6 2081.63	(E)2081.1 2082.12	(E)2082.5 2083.54	(E)2083.0 2084.03
MATCH EG @ CL/ FG @ INSIDE BIKE LANE	(E)2078.2 2078.60	(E)2078.8 2079.49	(E)2079.3 2080.03	(E)2079.9 2080.89	(E)2080.9 2081.81	(E)2081.8 2082.76	(E)2083.2 2083.72	(E)2083.8 2084.20
FG @ OUTSIDE BIKE LANE	(E)2078.4 2078.72	(E)2079.1 2079.61	(E)2079.7 2080.03	(E)2080.5 2080.89	(E)2081.4 2081.81	(E)2082.3 2082.76	(E)2082.8 2083.23	(E)2083.3 2083.72
MATCH EG @ SOUTH SAWCUT	(E)2078.7 2079.06	(E)2078.9 2079.18	(E)2079.3 2079.61	(E)2079.7 2080.03	(E)2080.1 2080.46	(E)2080.5 2080.89	(E)2081.0 2081.33	(E)2081.4 2081.81
EG/FG @ SOUTH EP	(E)2078.4 2078.72	(E)2078.6 2079.11	(E)2079.0 2079.48	(E)2079.4 2079.81	(E)2080.0 2080.46	(E)2080.6 2081.38	(E)2081.1 2081.87	(E)2081.5 2082.36

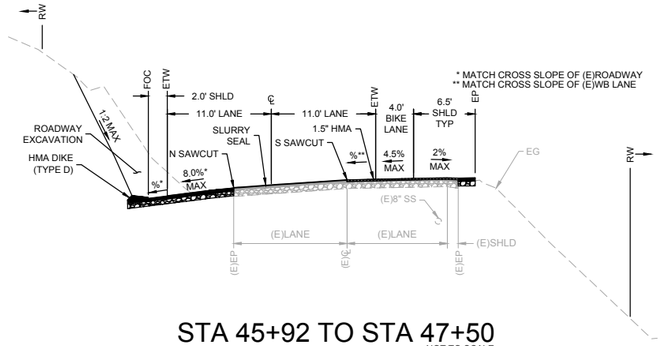
BROADWAY CL STA	45+00	45+50	46+00	46+50	47+00	47+50	48+00	48+50
EG/FG @ NORTH EP	(E)2077.8 2077.29	(E)2078.2 2077.72	(E)2078.6 2078.11	(E)2079.0 2078.48	(E)2079.4 2078.81	(E)2079.8 2079.18	(E)2080.3 2079.60	(E)2080.7 2080.03
MATCH EG @ NORTH SAWCUT	(E)2078.0 2078.55	(E)2078.4 2079.01	(E)2078.8 2079.44	(E)2079.2 2079.85	(E)2079.6 2080.28	(E)2080.0 2080.71	(E)2080.4 2081.15	(E)2080.9 2081.63
MATCH EG @ CL/ FG @ INSIDE BIKE LANE	(E)2078.2 2078.60	(E)2078.7 2079.06	(E)2079.2 2079.49	(E)2079.7 2079.90	(E)2080.2 2080.33	(E)2080.7 2080.76	(E)2081.3 2081.20	(E)2081.7 2081.68
FG @ OUTSIDE BIKE LANE	(E)2078.4 2078.72	(E)2078.9 2079.18	(E)2079.3 2079.61	(E)2079.8 2080.03	(E)2080.0 2080.46	(E)2080.5 2080.89	(E)2081.3 2081.20	(E)2081.8 2082.29
MATCH EG @ SOUTH SAWCUT	(E)2078.7 2079.06	(E)2079.1 2079.61	(E)2079.7 2080.03	(E)2080.1 2080.46	(E)2080.6 2081.15	(E)2081.1 2081.63	(E)2081.8 2082.29	(E)2082.3 2082.76
EG/FG @ SOUTH EP	(E)2078.2 2078.60	(E)2078.7 2079.06	(E)2079.2 2079.49	(E)2079.7 2079.90	(E)2080.2 2080.33	(E)2080.7 2080.76	(E)2081.3 2081.20	(E)2081.7 2081.68

BROADWAY CL STA	47+50	48+00	48+50
EG/FG @ NORTH EP	(E)2081.2 2077.72	(E)2081.9 2078.81	(E)2082.0 2078.11
MATCH EG @ NORTH SAWCUT	(E)2078.2 2078.72	(E)2078.6 2079.44	(E)2078.6 2078.11
MATCH EG @ CL/ FG @ INSIDE BIKE LANE	(E)2078.4 2078.72	(E)2079.3 2079.61	(E)2079.2 2079.49
FG @ OUTSIDE BIKE LANE	(E)2078.4 2078.72	(E)2079.3 2079.61	(E)2079.2 2079.49
MATCH EG @ SOUTH SAWCUT	(E)2078.7 2079.06	(E)2079.7 2080.03	(E)2079.7 2079.90
EG/FG @ SOUTH EP	(E)2078.4 2078.72	(E)2079.3 2079.61	(E)2079.2 2079.49

SECTIONS



STA 45+00 TO STA 45+41
NOT TO SCALE



STA 45+92 TO STA 47+50
NOT TO SCALE

NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: 1" = 20'
VERT. SCALE:

REY ENGINEERS, INC.
Civil Engineers | Land Surveyors | LiDAR
925 Sutter Street, Suite 200 Folsom, CA 95630
Phone (916) 366-3040 Fax (916) 366-3333

REGISTERED PROFESSIONAL ENGINEER
JAMES W. REY
No. 73197
Exp. 12/31/20
CIVIL
STATE OF CALIFORNIA

UPPER BROADWAY BIKE LANES
CIP# 41508
PLAN & SECTIONS 45+00 - 48+50
CITY OF PLACERVILLE CALIFORNIA

DRAWING INFO
DATE: 10/24/2019
DRAFTER: KI/VGM/GYR
DESIGNER: CASB
REVIEWER: JWF

PROJECT NO.
6884.003
SHEET NO. **C26** OF **C43**

R:\6884 - City of Placerville\003 - Upper Broadway Bike Lanes\10 - CAD Drawings\Improvement Plans\6884.003 PLAN AND PROFILE C27-C29.dwg Oct 24, 2019 - 12:47pm, vgmcgrew

0 10' 20' 40'

SCALE IN FEET

℄ LINE DATA

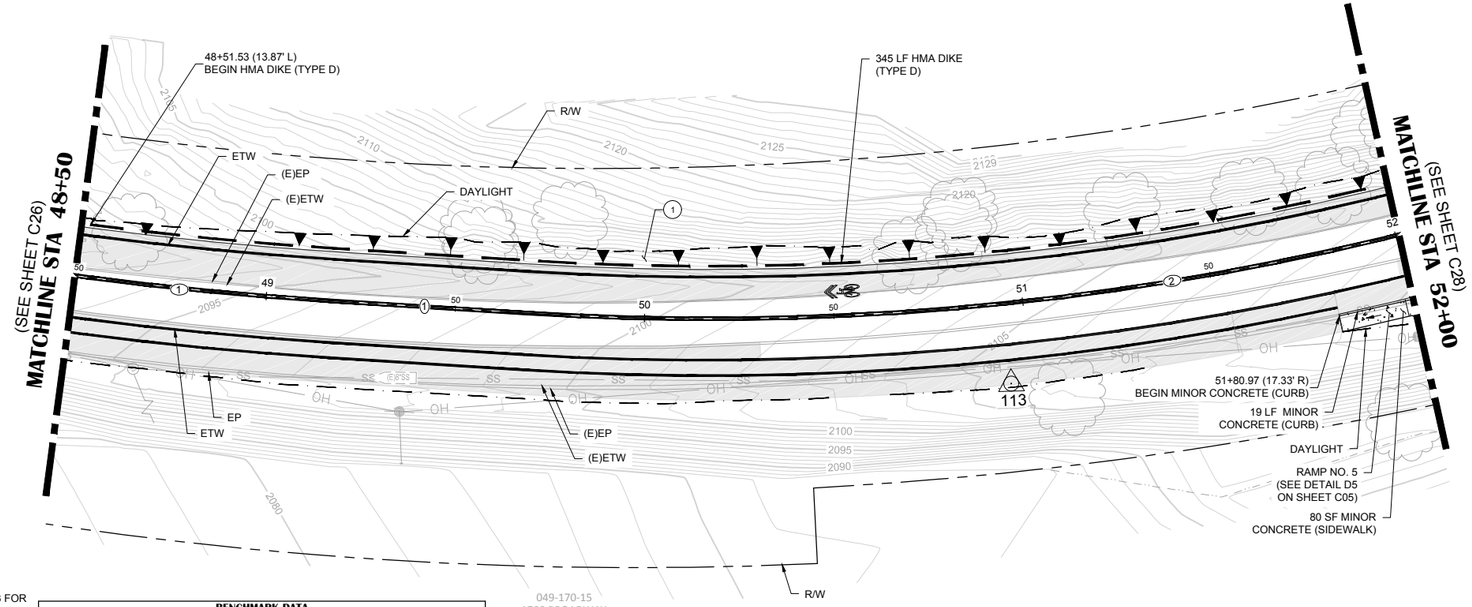
#	BEARING	LENGTH
1	S55°45'50"E	51.33'

℄ CURVE DATA

#	DELTA	RADIUS	LENGTH
1	25°25'05"	975.00	67.53'
2	21°28'19"	762.50	231.14'

SHEET LEGEND:
SEE SHEET C02 FOR FULL LEGEND.

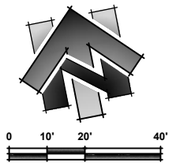
- (#) CONSTRUCTION NOTE
- (#) CENTERLINE ALIGNMENT LINE SEGMENT (SEE TABLE ON THIS SHEET)
- (#) CENTERLINE ALIGNMENT CURVE SEGMENT (SEE TABLE ON THIS SHEET)
- PROJECT CONTROL POINT (SEE TABLE ON THIS SHEET)
- PAVEMENT REHABILITATION AREA (SEE SHEETS C11 - C13 FOR PAVING INFORMATION)
- XXXX.X EG / XXXX.XX FG — SPOT ELEVATIONS



BROADWAY

BENCHMARK DATA				
#	GRID NORTHING	GRID EASTING	ELEVATION	POINT DESCRIPTION
△113	2030095.14	6913167.83	2105.33	REBAR WITH "REY CONTROL" CAP

	48+50		49+00		49+50		50+00		50+50		51+00		51+50		52+00
BROADWAY CL STA															
EG/FG @ NORTH EP	(E)2092.2	(E)2092.7	(E)2093.9	(E)2094.7	(E)2095.6	(E)2096.5	(E)2097.4	(E)2098.2	(E)2098.9	(E)2099.1	(E)2099.6	(E)2099.7	(E)2100.0	(E)2100.3	(E)2100.6
	2092.15		2092.60		2093.47		2094.35		2094.80		2095.25		2096.16		2096.62		2097.09		2097.56		2098.03		2098.47
MATCH EG @ NORTH SAWCUT	(E)2093.1	(E)2093.6	(E)2094.7	(E)2094.1	(E)2095.6	(E)2095.5	(E)2096.0	(E)2096.5	(E)2096.9	(E)2097.4	(E)2097.6	(E)2097.8	(E)2098.0	(E)2098.3	(E)2098.7	(E)2099.1	(E)2099.5	(E)2099.9	(E)2100.3	(E)2100.8	(E)2101.2	(E)2101.7	(E)2102.0	(E)2102.5	(E)2103.0	(E)2103.4	(E)2103.7	(E)2104.2	(E)2104.7	(E)2105.1	(E)2105.6	(E)2106.1	(E)2106.6	(E)2107.0	(E)2107.4	(E)2107.8	(E)2108.2
	2093.91		2094.35		2094.80		2095.25		2096.16		2096.62		2097.09		2097.56		2098.03		2098.47		2099.34		2100.21		2101.06		2101.96		2102.82		2103.59		2104.07		2104.56		2105.03		2105.52		2105.93		2106.30		2106.67		2107.04		2107.40
MATCH EG @ CL/ FG @ INSIDE BIKE LANE	(E)2094.0	(E)2094.3	(E)2094.8	(E)2095.3	(E)2095.7	(E)2096.2	(E)2096.6	(E)2097.0	(E)2097.4	(E)2097.6	(E)2097.9	(E)2098.3	(E)2098.7	(E)2099.1	(E)2099.6	(E)2100.1	(E)2100.5	(E)2100.9	(E)2101.4	(E)2101.8	(E)2102.2	(E)2102.5	(E)2103.0	(E)2103.6	(E)2104.1	(E)2104.7	(E)2105.3	(E)2105.7	(E)2106.1	(E)2106.5	(E)2106.9	(E)2107.3	(E)2107.8	(E)2108.2	(E)2108.6	(E)2109.0	(E)2109.4
	2094.33		2095.18		2095.60		2096.04		2096.48		2096.74		2097.18		2097.56		2097.95		2098.41		2098.58		2099.02		2099.49		2099.95		2100.43		2100.93		2101.39		2101.81		2102.22		2102.70		2103.19		2103.68		2104.17		2104.65		2105.14		2105.62		2106.09		2106.55		2107.01		2107.44		2107.85		2108.26		2108.67		2109.09		2109.32		2109.74
FG @ OUTSIDE BIKE LANE	(E)2094.8	(E)2095.2	(E)2096.2	(E)2096.6	(E)2097.0	(E)2097.4	(E)2098.3	(E)2098.7	(E)2099.1	(E)2099.6	(E)2099.9	(E)2100.3	(E)2100.8	(E)2101.2	(E)2101.7	(E)2102.1	(E)2102.6	(E)2103.1	(E)2103.5	(E)2104.0	(E)2104.5	(E)2104.9	(E)2105.4	(E)2105.9	(E)2106.3	(E)2106.8	(E)2107.2	(E)2107.6	(E)2108.0	(E)2108.4	(E)2108.8	(E)2109.4														



SCALE IN FEET

℄ LINE DATA

#	BEARING	LENGTH
1	S77°14'09"E	75.00'

℄ CURVE DATA

#	DELTA	RADIUS	LENGTH
1	21°28'19"	762.50	54.61'
2	16°10'28"	1070.00	220.39'

SHEET LEGEND:
SEE SHEET C02 FOR FULL LEGEND.

(#) CONSTRUCTION NOTE

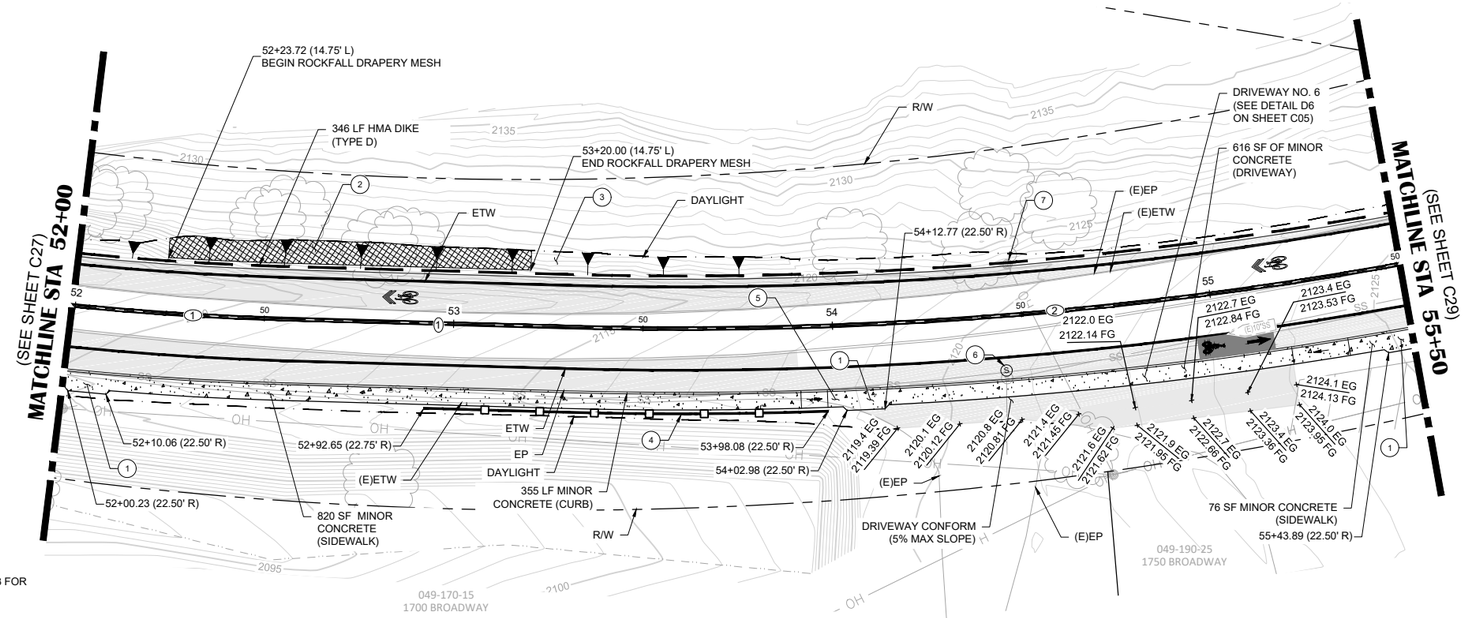
(#) CENTERLINE ALIGNMENT LINE SEGMENT (SEE TABLE ON THIS SHEET)

(#) CENTERLINE ALIGNMENT CURVE SEGMENT (SEE TABLE ON THIS SHEET)

PAVEMENT REHABILITATION AREA (SEE SHEETS C11 - C13 FOR PAVING INFORMATION)

GREEN BIKE LANE

XXXX.X EG / XXXX.XX FG — SPOT ELEVATIONS



BROADWAY

BROADWAY CL STA	52+00	52+50	53+00	53+50	54+00	54+50	55+00	55+50
EG/FG @ NORTH EP	(E)2109.7 2107.40	(E)2108.2 2107.78	(E)2110.3 2108.17	(E)2111.6 2108.52	(E)2112.8 2108.85	(E)2114.4 2109.13	(E)2115.0 2109.45	(E)2115.6 2109.97
MATCH EG @ NORTH SAWCUT	(E)2109.7 2107.40	(E)2108.2 2107.78	(E)2110.3 2108.17	(E)2111.6 2108.52	(E)2112.8 2108.85	(E)2114.4 2109.13	(E)2115.0 2109.45	(E)2115.6 2109.97
MATCH EG @ CL/ FG @ INSIDE BIKE LANE	(E)2109.4 2109.74	(E)2108.8 2110.20	(E)2109.0 2108.17	(E)2109.4 2111.11	(E)2109.7 2111.52	(E)2110.1 2111.88	(E)2110.6 2112.27	(E)2111.1 2112.67
MATCH EG @ SOUTH SAWCUT	(E)2109.4 2110.50	(E)2109.8 2110.96	(E)2109.5 2110.65	(E)2109.9 2111.11	(E)2110.3 2111.52	(E)2110.6 2111.88	(E)2111.0 2112.27	(E)2111.5 2112.67
FG @ FL/ FG @ TBC	(E)2108.8 2110.01	(E)2109.0 2110.47	(E)2109.5 2110.96	(E)2110.0 2111.37	(E)2110.3 2111.79	(E)2110.6 2111.88	(E)2111.0 2112.29	(E)2111.5 2112.67
EG/FG @ TBW	(E)2108.2 2109.7	(E)2108.6 2110.3	(E)2109.0 2111.6	(E)2109.4 2111.6	(E)2109.7 2112.8	(E)2110.1 2114.4	(E)2110.6 2115.0	(E)2111.1 2115.6

BROADWAY CL STA	52+00	52+50	53+00	53+50	54+00	54+50	55+00	55+50
EG/FG @ NORTH EP	(E)2108.8 2109.74	(E)2109.1 2110.20	(E)2109.4 2111.11	(E)2110.3 2111.52	(E)2110.6 2111.88	(E)2111.5 2112.67	(E)2111.9 2113.03	(E)2112.4 2113.43
MATCH EG @ NORTH SAWCUT	(E)2108.8 2109.74	(E)2109.1 2110.20	(E)2109.4 2111.11	(E)2110.3 2111.52	(E)2110.6 2111.88	(E)2111.5 2112.67	(E)2111.9 2113.03	(E)2112.4 2113.43
MATCH EG @ CL/ FG @ INSIDE BIKE LANE	(E)2109.4 2110.50	(E)2109.8 2110.96	(E)2110.6 2111.87	(E)2111.0 2112.29	(E)2111.5 2112.67	(E)2111.9 2113.03	(E)2112.4 2113.43	(E)2112.8 2113.85
MATCH EG @ SOUTH SAWCUT	(E)2109.4 2110.50	(E)2109.5 2111.41	(E)2110.6 2111.87	(E)2111.0 2112.29	(E)2111.5 2112.64	(E)2111.9 2113.03	(E)2112.4 2113.43	(E)2112.8 2113.85
FG @ FL/ FG @ TBC	(E)2109.9 2110.01	(E)2110.5 2110.92	(E)2110.9 2111.37	(E)2111.2 2111.79	(E)2111.7 2112.15	(E)2112.1 2112.53	(E)2112.6 2112.93	(E)2113.1 2113.35
EG/FG @ TBW	(E)2109.9 2110.44	(E)2110.3 2110.89	(E)2110.5 2111.36	(E)2110.9 2111.81	(E)2111.2 2112.23	(E)2111.7 2112.59	(E)2112.1 2112.97	(E)2112.6 2113.37

BROADWAY CL STA	52+00	52+50	53+00	53+50	54+00	54+50	55+00	55+50
EG/FG @ NORTH EP	(E)2109.7 2107.40	(E)2108.2 2107.78	(E)2110.3 2108.17	(E)2111.6 2108.52	(E)2112.8 2108.85	(E)2114.4 2109.13	(E)2115.0 2109.45	(E)2115.6 2109.97
MATCH EG @ NORTH SAWCUT	(E)2109.7 2107.40	(E)2108.2 2107.78	(E)2110.3 2108.17	(E)2111.6 2108.52	(E)2112.8 2108.85	(E)2114.4 2109.13	(E)2115.0 2109.45	(E)2115.6 2109.97
MATCH EG @ CL/ FG @ INSIDE BIKE LANE	(E)2108.8 2109.74	(E)2109.1 2110.20	(E)2109.4 2111.11	(E)2110.3 2111.52	(E)2110.6 2111.88	(E)2111.5 2112.67	(E)2111.9 2113.09	(E)2112.4 2113.54
MATCH EG @ SOUTH SAWCUT	(E)2109.4 2110.50	(E)2109.8 2110.96	(E)2110.6 2111.87	(E)2111.0 2112.29	(E)2111.5 2112.67	(E)2111.9 2113.09	(E)2112.4 2113.54	(E)2112.8 2113.99
FG @ FL/ FG @ TBC	(E)2109.4 2110.01	(E)2110.5 2110.92	(E)2110.9 2111.37	(E)2111.2 2111.79	(E)2111.7 2112.15	(E)2112.1 2112.53	(E)2112.6 2112.93	(E)2113.1 2113.35
EG/FG @ TBW	(E)2108.2 2107.40	(E)2108.6 2107.78	(E)2109.0 2108.17	(E)2109.4 2108.52	(E)2109.7 2108.85	(E)2110.1 2109.13	(E)2110.6 2109.45	(E)2111.1 2109.97



0 10' 20' 40'

SCALE IN FEET

℄ LINE DATA

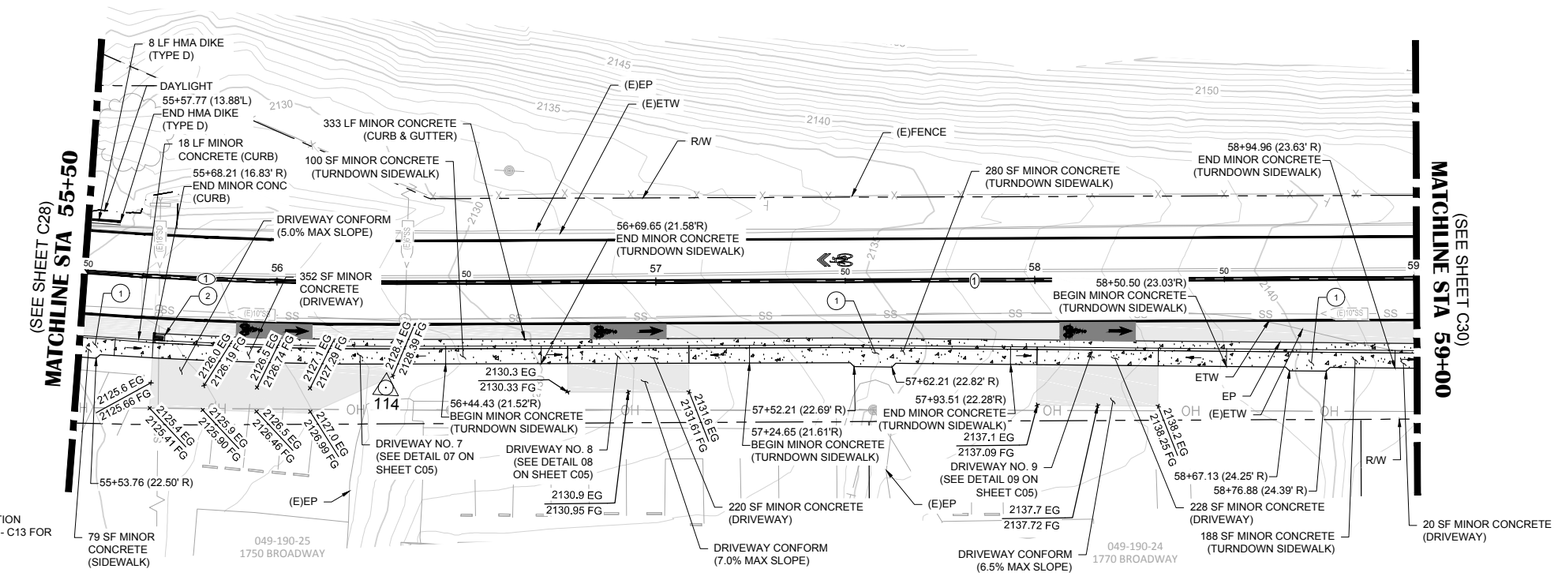
#	BEARING	LENGTH
1	N86°35'23"E	268.33'

℄ CURVE DATA

#	DELTA	RADIUS	LENGTH
1	16°10'28"	1070.00	81.67'

SHEET LEGEND:
SEE SHEET C02 FOR FULL LEGEND.

- (#) CONSTRUCTION NOTE
- (#) CENTERLINE ALIGNMENT LINE SEGMENT (SEE TABLE ON THIS SHEET)
- (#) CENTERLINE ALIGNMENT CURVE SEGMENT (SEE TABLE ON THIS SHEET)
- △ PROJECT CONTROL POINT (SEE TABLE ON THIS SHEET)
- PAVEMENT REHABILITATION AREA (SEE SHEETS C11 - C13 FOR PAVING INFORMATION)
- GREEN BIKE LANE
- XXXX.X EG / XXXX.XX FG — SPOT ELEVATIONS



BENCHMARK DATA				
#	GRID NORTHING	GRID EASTING	ELEVATION	POINT DESCRIPTION
△114	2029994.13	6913699.58	2128.39	MAG NAIL

CONSTRUCTION NOTES:

1. ADA TURN POCKET (SEE DETAIL 13 ON SHEET C03).
2. 55+69.69 (16.83'(R))
   SADDLE DI WITH BIKE SAFE GRATE
   (SEE DETAIL 16 ON SHEET C04).
   TBC: 2120.90
   FL: 2120.85
   CONTRACTOR TO VERIFY INVERT ELEVATIONS.

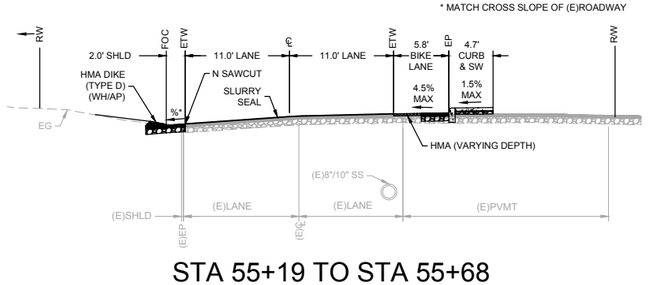
NOTES:

- THE CITY OF PLACERVILLE & CALTRANS SHARE A RIGHT-OF-WAY LINE FROM STA 23+47 TO STA 75+81 ON THE NORTH SIDE OF BROADWAY.
- RADIUS INFORMATION IS PARALLEL TO THE CENTERLINE ALIGNMENT, UNLESS OTHERWISE NOTED.
- QUANTITIES SHOWN REPRESENT IMPROVEMENTS DISPLAYED ON THIS SHEET.
- MAXIMUM ALLOWABLE GRADE BREAK FOR PAVEMENT CONFORMS & PEDESTRIAN FACILITIES IS 8%, UNLESS OTHERWISE NOTED.

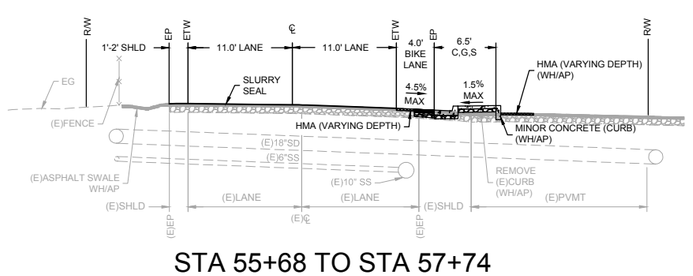
BROADWAY

BROADWAY CL STA	55+50	56+00	56+50	57+00	57+50	58+00	58+50	59+00
EG/FG @ NORTH EP	(E)2124.4 / 2124.43	(E)2126.7	(E)2127.3	(E)2127.8	(E)2128.3	(E)2128.8	(E)2129.4	(E)2130.0
	(E)2124.9 / 2124.99	(E)2125.5 / 2125.56	(E)2126.1					
EG @ NORTH SAWCUT/ FG @ NORTH SAWCUT	(E)2124.6 / 2125.36	(E)2125.7 / 2126.18	(E)2126.8 / 2126.61	(E)2127.2 / 2127.00	(E)2127.7 / 2127.43	(E)2128.2 / 2127.86	(E)2128.7 / 2128.29	(E)2129.2 / 2128.72
	(E)2125.1 / 2126.12	(E)2125.8 / 2125.77	(E)2126.4 / 2126.34	(E)2126.9 / 2127.16	(E)2127.4 / 2127.59	(E)2128.0 / 2128.02	(E)2128.4 / 2128.46	(E)2129.0 / 2129.14
MATCH (E)EG @ CL/ FG @ INSIDE BIKE LANE	(E)2125.3 / 2125.36	(E)2126.3 / 2126.18	(E)2126.8 / 2126.61	(E)2127.2 / 2127.00	(E)2127.7 / 2127.43	(E)2128.2 / 2127.86	(E)2128.7 / 2128.29	(E)2129.2 / 2128.72
FG @ FL/ FG @ TBC	(E)2125.62 / 2126.12	(E)2125.86 / 2125.92	(E)2126.29 / 2126.34	(E)2126.69 / 2126.74	(E)2127.11 / 2127.16	(E)2127.54 / 2127.59	(E)2127.97 / 2128.02	(E)2128.40 / 2128.46
EG/FG @ TBW	(E)2125.1 / 2126.20	(E)2125.7 / 2125.98	(E)2126.1 / 2126.40	(E)2126.5 / 2126.80	(E)2126.9 / 2127.22	(E)2127.3 / 2127.65	(E)2127.8 / 2128.08	(E)2128.3 / 2128.52

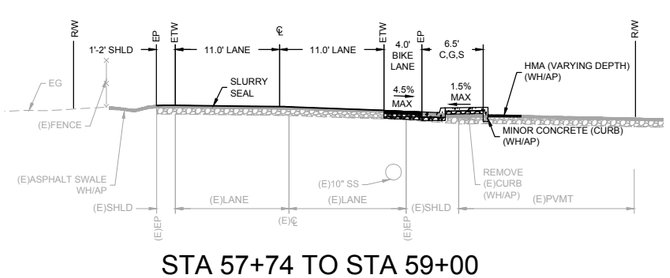
SECTIONS



STA 55+19 TO STA 55+68
NOT TO SCALE



STA 55+68 TO STA 57+74
NOT TO SCALE



STA 57+74 TO STA 59+00
NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER
JAMES W. FOLSOM
No. 73197
Exp. 12/31/20
CIVIL
STATE OF CALIFORNIA

NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: 1" = 20'
VERT. SCALE: _____

R.E.Y. ENGINEERS, INC.
Civil Engineers | Land Surveyors | LiDAR
925 Sutter Street, Suite 200 Folsom, CA 95630
Phone: (916) 366-3040 Fax: (916) 366-3303

UPPER BROADWAY BIKE LANES
CIP# 41508
PLAN & SECTIONS 55+50 - 59+00
CITY OF PLACERVILLE CALIFORNIA

DRAWING INFO
DATE: 10/24/2019
DRAFTER: KI/VGM/GVR
DESIGNER: CASB
REVIEWER: JWF

PROJECT NO.
6884.003
SHEET NO. **C29** OF **C43**

R:\6884 - City of Placerville\003 - Upper Broadway Bike Lanes\10 - CAD Drawings\Improvement Plans\6884.003 PLAN AND PROFILE C30-C32.dwg Oct 24, 2019 - 1:00pm, vgmcgrew



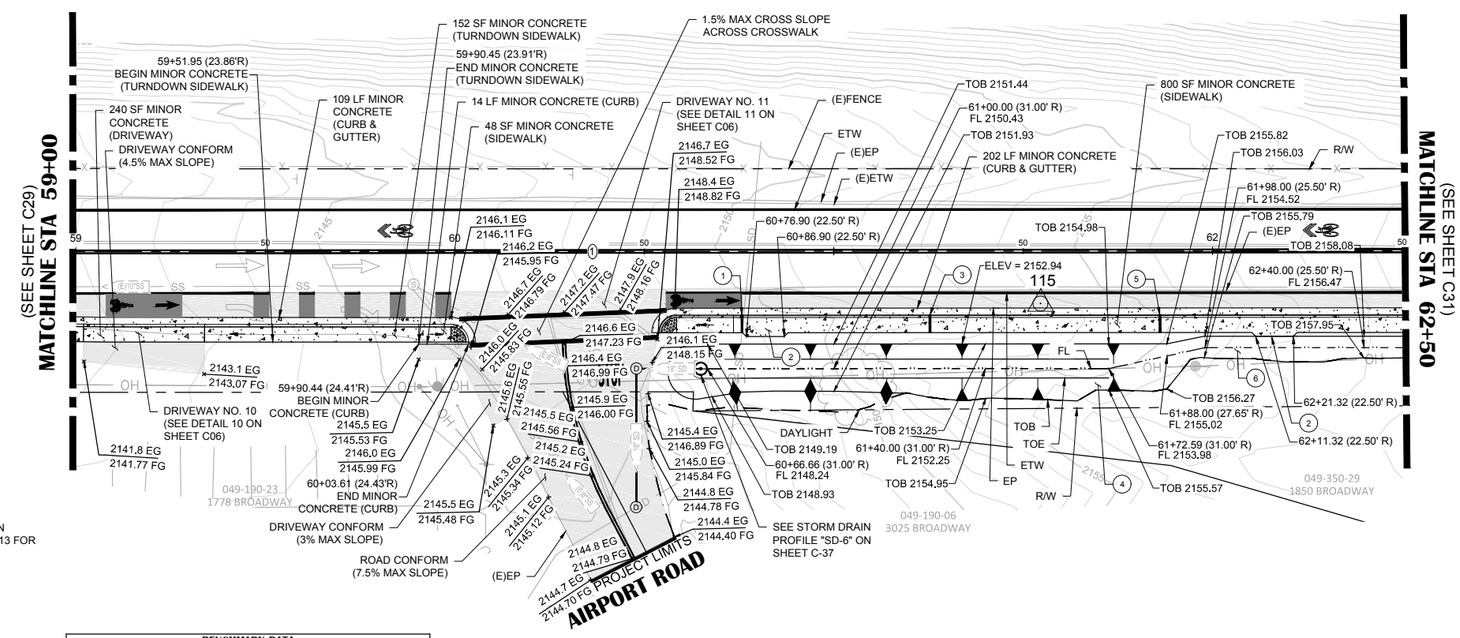
0 10' 20' 40'

SCALE IN FEET

℄ LINE DATA		
#	BEARING	LENGTH
①	N86°35'23"E	350.00'

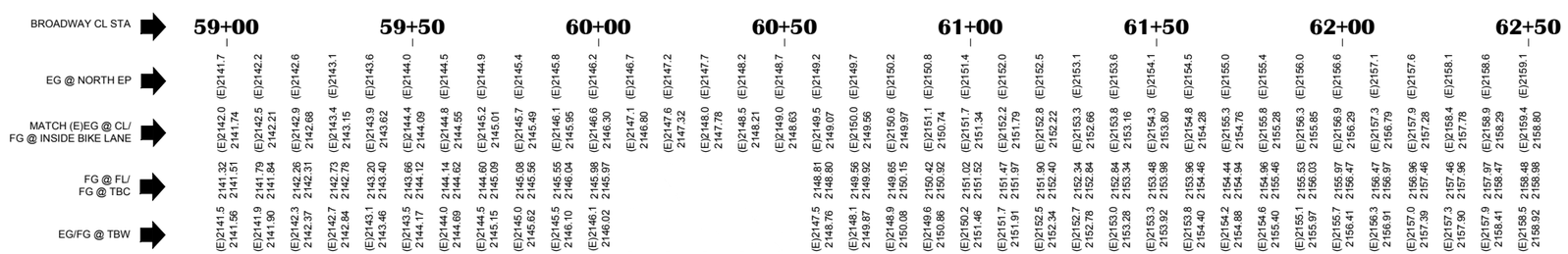
SHEET LEGEND:
SEE SHEET C02 FOR FULL LEGEND.

- (#) CONSTRUCTION NOTE
- (#) CENTERLINE ALIGNMENT LINE SEGMENT (SEE TABLE ON THIS SHEET)
- (#) CENTERLINE ALIGNMENT CURVE SEGMENT (SEE TABLE ON THIS SHEET)
- PROJECT CONTROL POINT (SEE TABLE ON THIS SHEET)
- PAVEMENT REHABILITATION AREA (SEE SHEETS C11 - C13 FOR PAVING INFORMATION)
- GREEN BIKE LANE
- XXXX.X EG / XXXX.XX FG — SPOT ELEVATIONS

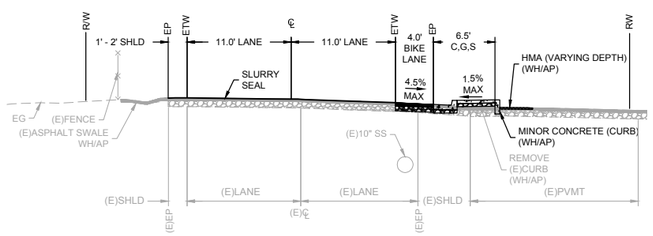


BENCHMARK DATA				
#	GRID NORTHING	GRID EASTING	ELEVATION	POINT DESCRIPTION
△115	2030039.21	6914223.81	2153.53	MAG NAIL

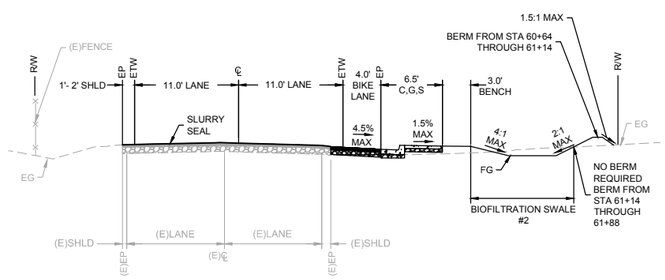
BROADWAY



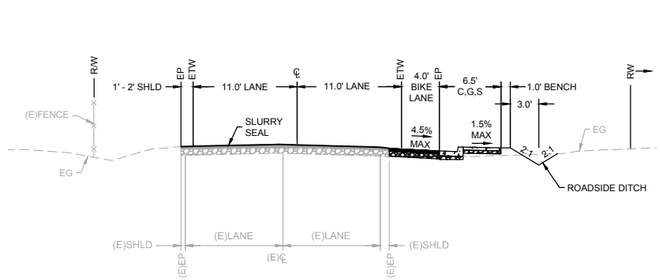
SECTIONS



STA 59+00 TO STA 60+20
NOT TO SCALE



STA 60+20 TO STA 61+88
NOT TO SCALE



STA 61+88 TO STA 62+50
NOT TO SCALE

CONSTRUCTION NOTES:

1. 60+75.78 (16.83' (R)) UNDER SIDEWALK DRAIN (SEE DETAIL 12 SHEET C03). FL: 2149.93
2. ADA TURN POCKET (SEE DETAIL 13 ON SHEET C03).
3. 61+25.41 (16.83' (R)) UNDER SIDEWALK DRAIN (SEE DETAIL 12 ON SHEET C03). FL @ FOC: 2152.11
4. 1,784 SF OF BIOFILTRATION SWALE (SEE DETAIL 17 ON SHEET C04).
5. 61+86.11 (16.83' (R)) UNDER SIDEWALK DRAIN (SEE DETAIL 12 ON SHEET C03). FL @ FOC: 2153.30
6. 63 LF OF ROADSIDE DITCH.

NOTES:

- THE CITY OF PLACERVILLE & CALTRANS SHARE A RIGHT-OF-WAY LINE FROM STA 23+47 TO STA 75+81 ON THE NORTH SIDE OF BROADWAY.
- RADIUS INFORMATION IS PARALLEL TO THE CENTERLINE ALIGNMENT, UNLESS OTHERWISE NOTED.
- QUANTITIES SHOWN REPRESENT IMPROVEMENTS DISPLAYED ON THIS SHEET.
- MAXIMUM ALLOWABLE GRADE BREAK FOR PAVEMENT CONFORMS & PEDESTRIAN FACILITIES IS 8%, UNLESS OTHERWISE NOTED.



NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: 1" = 20'
VERT. SCALE:

R.E.Y. ENGINEERS, INC.
Civil Engineers | Land Surveyors | LIDAR
925 Sutter Street, Suite 200 Folsom, CA 95630
Phone (916) 366-3040 Fax (916) 366-3303

UPPER BROADWAY BIKE LANES
CIP# 41508
PLAN & SECTIONS 59+00 - 62+50
CITY OF PLACERVILLE CALIFORNIA

DRAWING INFO
DATE: 10/24/2019
DRAFTER: KI/VGM/OYR
DESIGNER: CASB
REVIEWER: JWF

PROJECT NO.
6884.003
SHEET NO. **C30** OF **C43**

R:\6884 – City of Placerville\003 – Upper Broadway Bike Lanes\10 – CAD Drawings\Improvement Plans\6884.003 PLAN AND PROFILE C30–C32.dwg Oct 24, 2019 – 1:02pm, vgmcgrew



0 10' 20' 40'

SCALE IN FEET

℄ LINE DATA

#	BEARING	LENGTH
1	N86°35'23"E	268.33'

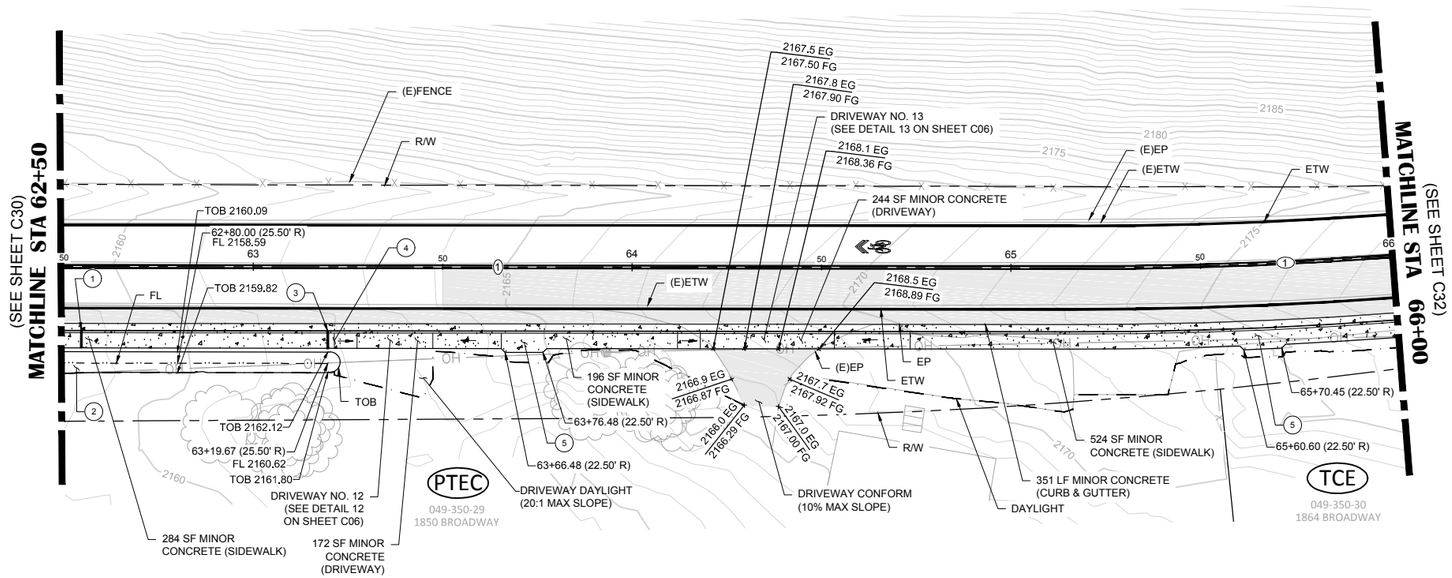
℄ CURVE DATA

#	DELTA	RADIUS	LENGTH
1	12°08'04"	1140.00	84.43'

SHEET LEGEND:

SEE SHEET C02 FOR FULL LEGEND.

- (#) CONSTRUCTION NOTE
- (#) CENTERLINE ALIGNMENT LINE SEGMENT (SEE TABLE ON THIS SHEET)
- (#) CENTERLINE ALIGNMENT CURVE SEGMENT (SEE TABLE ON THIS SHEET)
- PAVEMENT REHABILITATION AREA (SEE SHEETS C11 - C13 FOR PAVING INFORMATION)
- XXXX.X EG / XXXX.XX FG — SPOT ELEVATIONS



CONSTRUCTION NOTES:

1. 62+54.62 (16.83' (R))
   UNDER SIDEWALK DRAIN (SEE DETAIL 12 ON SHEET C03).
   FL @ FOC: 2158.71
2. 77 LF OF ROADSIDE DITCH.
3. 63+19.67 (17.00' (R))
   UNDER SIDEWALK DRAIN (SEE DETAIL 12 ON SHEET C03).
   FL @ FOC: 2162.51
4. TRANSITION SIDEWALK TO DRAIN TOWARD ROADWAY AT A 1.5% CROSS-SLOPE. (STA 63+20 - STA 63+30)
5. ADA TURN POCKET (SEE DETAIL 13 ON SHEET C03).

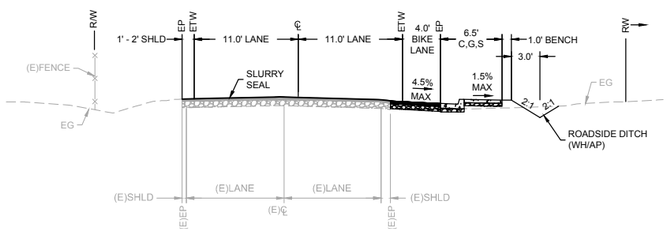
BROADWAY

BROADWAY CL STA	62+50		63+00		63+50		64+00		64+50		65+00		65+50		66+00
EG/ FG @ NORTH EP	(E)2159.1	(E)2159.6	(E)2160.1	(E)2160.6	(E)2161.0	(E)2161.5	(E)2161.9	(E)2162.2	(E)2162.7	(E)2163.2	(E)2163.7	(E)2164.2	(E)2164.7	(E)2165.2	(E)2165.7
MATCH (E)EG @ CL/ FG @ INSIDE BIKE LANE	(E)2159.4 2158.80	(E)2159.8 2159.31	(E)2160.3 2159.81	(E)2160.8 2160.31	(E)2161.2 2160.84	(E)2161.7 2161.34	(E)2162.1 2161.85	(E)2162.6 2162.35	(E)2163.1 2162.89	(E)2163.6 2163.47	(E)2164.1 2163.90	(E)2164.6 2164.42	(E)2165.2 2164.94	(E)2165.7 2165.47	(E)2166.2 2166.01
EG @ FL/ FG @ TBC	(E)2158.5 2158.48	(E)2158.98 2158.99	(E)2159.4 2159.49	(E)2159.9 2160.49	(E)2160.4 2160.52	(E)2160.8 2161.02	(E)2161.4 2161.53	(E)2161.9 2162.03	(E)2162.3 2162.57	(E)2162.8 2163.15	(E)2163.4 2163.63	(E)2163.9 2164.12	(E)2164.4 2164.62	(E)2165.3 2165.15	(E)2166.1 2165.69
EG/FG @ TBW	(E)2158.92	(E)2159.43	(E)2159.93	(E)2160.43	(E)2161.01	(E)2161.46	(E)2161.97	(E)2162.47	(E)2162.68	(E)2163.26	(E)2163.81	(E)2164.54	(E)2165.19	(E)2165.71	(E)2166.25

BROADWAY CL STA	62+50		63+00		63+50		64+00		64+50		65+00		65+50		66+00
EG/ FG @ NORTH EP	(E)2166.7	(E)2167.1	(E)2167.6	(E)2168.1	(E)2168.6	(E)2169.1	(E)2169.7	(E)2170.3	(E)2170.8	(E)2171.3	(E)2171.9	(E)2172.4	(E)2173.0	(E)2173.5	(E)2174.0
MATCH (E)EG @ CL/ FG @ INSIDE BIKE LANE	(E)2166.8 2166.55	(E)2167.3 2167.06	(E)2167.8 2167.57	(E)2168.3 2168.08	(E)2168.8 2168.59	(E)2169.3 2169.12	(E)2169.9 2169.65	(E)2170.4 2170.19	(E)2171.0 2170.72	(E)2171.5 2171.25	(E)2172.0 2171.79	(E)2172.6 2172.32	(E)2173.1 2172.86	(E)2173.6 2173.40	(E)2174.1 2173.93
EG @ FL/ FG @ TBC	(E)2166.7 2166.73	(E)2166.75 2167.24	(E)2167.33 2167.38	(E)2167.83 2167.88	(E)2168.33 2168.38	(E)2168.83 2168.88	(E)2169.35 2169.54	(E)2169.87 2170.29	(E)2170.40 2170.90	(E)2170.93 2171.43	(E)2171.47 2171.97	(E)2172.00 2172.50	(E)2172.54 2173.04	(E)2173.08 2173.58	(E)2173.61 2174.11
EG/FG @ TBW	(E)2166.8 2166.23	(E)2167.3 2167.29	(E)2167.8 2167.42	(E)2167.8 2167.92	(E)2168.2 2168.42	(E)2168.5 2168.92	(E)2169.0 2169.59	(E)2169.5 2170.34	(E)2169.9 2170.96	(E)2170.4 2171.49	(E)2170.8 2172.03	(E)2171.6 2172.56	(E)2172.3 2173.10	(E)2172.7 2173.64	(E)2173.1 2174.17

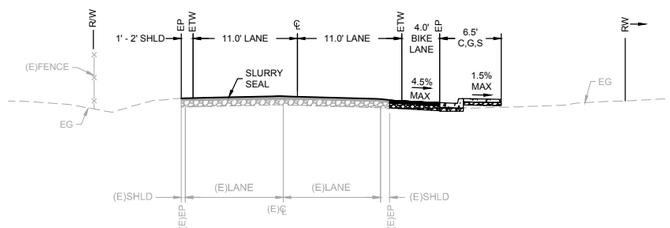
BROADWAY CL STA	62+50		63+00		63+50		64+00		64+50		65+00		65+50		66+00
EG/ FG @ NORTH EP	(E)2173.1	(E)2173.6	(E)2174.1	(E)2174.7	(E)2175.2	(E)2175.7	(E)2176.3	(E)2176.8	(E)2177.3						
MATCH (E)EG @ CL/ FG @ INSIDE BIKE LANE	(E)2173.6 2174.14	(E)2174.2 2174.67	(E)2174.7 2175.17	(E)2175.2 2175.20	(E)2175.7 2175.70	(E)2176.3 2176.06	(E)2176.8 2176.58	(E)2177.3 2177.09							
EG @ FL/ FG @ TBC	(E)2174.2 2174.64	(E)2174.7 2175.24	(E)2175.2 2175.78	(E)2175.7 2175.74	(E)2176.3 2176.23	(E)2176.8 2176.76	(E)2177.3 2177.27								
EG/FG @ TBW	(E)2174.7 2174.46	(E)2175.2 2174.99	(E)2175.7 2175.52	(E)2176.3 2176.06	(E)2176.8 2176.58	(E)2177.3 2177.09									

SECTIONS



STA 62+50 TO STA 63+20

NOT TO SCALE

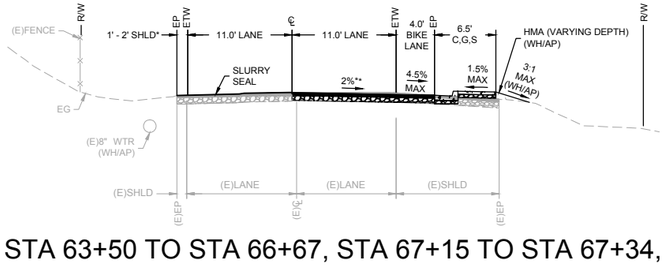


STA 63+20 TO STA 63+50

NOT TO SCALE

* 1' SHLD STA 65+00 TO STA 70+15

** STA 66+40 TO STA 66+82 3% MAX CROSS SLOPE



STA 63+50 TO STA 66+67, STA 67+15 TO STA 67+34, STA 68+42 TO STA 68+78

NOT TO SCALE

NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE

HOR. SCALE: 1" = 20'

VERT. SCALE: _____

NOTES:

- THE CITY OF PLACERVILLE & CALTRANS SHARE A RIGHT-OF-WAY LINE FROM STA 23+47 TO STA 75+81 ON THE NORTH SIDE OF BROADWAY.
- RADIUS INFORMATION IS PARALLEL TO THE CENTERLINE ALIGNMENT, UNLESS OTHERWISE NOTED.
- QUANTITIES SHOWN REPRESENT IMPROVEMENTS DISPLAYED ON THIS SHEET.
- MAXIMUM ALLOWABLE GRADE BREAK FOR PAVEMENT CONFORMS & PEDESTRIAN FACILITIES IS 8%, UNLESS OTHERWISE NOTED.

R.E.Y. ENGINEERS, INC.
Civil Engineers | Land Surveyors | LiDAR
925 Sutter Street, Suite 200 Folsom, CA 95630
Phone: (916) 366-3040 Fax: (916) 366-3333

UPPER BROADWAY BIKE LANES

CIP# 41508

PLAN & SECTIONS 62+50 - 66+00

CITY OF PLACERVILLE **CALIFORNIA**

DRAWING INFO

DATE:	10/24/2019
DRAFTER:	KI/VGM/GVR
DESIGNER:	CASB
REVIEWER:	JWF

PROJECT NO. **6884.003**

SHEET NO. **C31** OF **C43**

R:\6884 – City of Placerville\003 – Upper Broadway Bike Lanes\10 – CAD Drawings\Improvement Plans\6884.003 PLAN AND PROFILE C30-C32.dwg Oct 24, 2019 – 1:05pm, vgmcgrew

0 10' 20' 40'

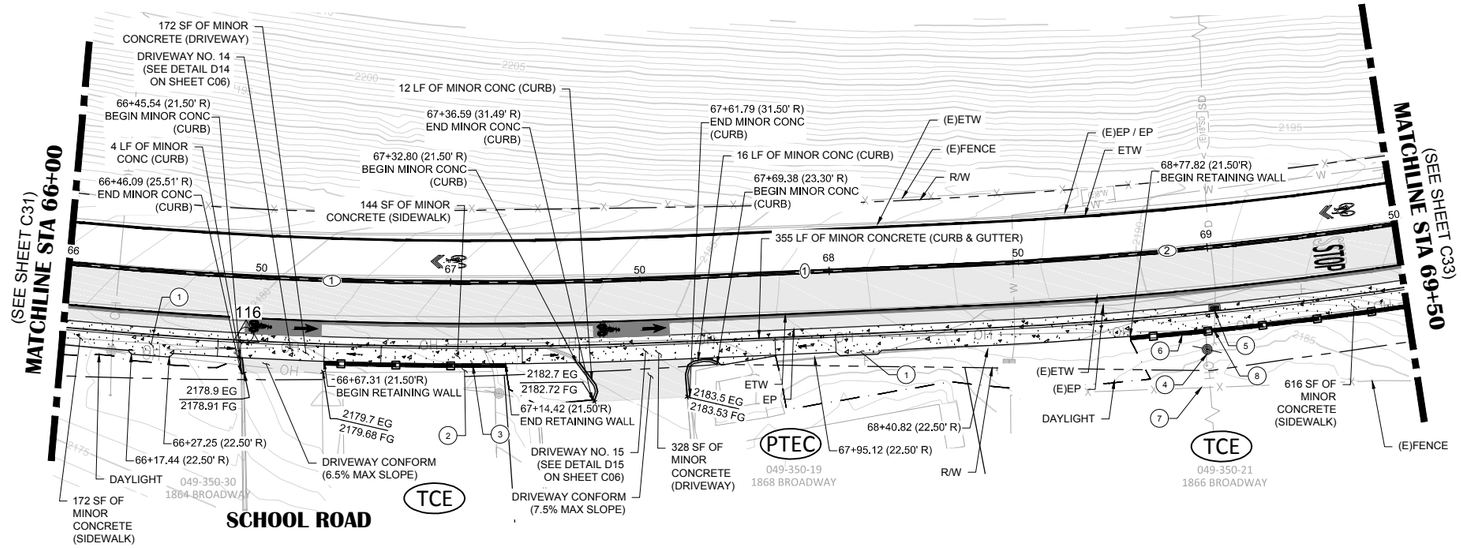
SCALE IN FEET

℄ LINE DATA		
#	BEARING	LENGTH
1	N74°27'19"E	80.44'

℄ CURVE DATA			
#	DELTA	RADIUS	LENGTH
1	12°08'04"	1140.00	157.00'
2	9°08'52"	1100.00	112.56'

SHEET LEGEND:
SEE SHEET C02 FOR FULL LEGEND.

- (#) CONSTRUCTION NOTE
- (#) CENTERLINE ALIGNMENT LINE SEGMENT (SEE TABLE ON THIS SHEET)
- (#) CENTERLINE ALIGNMENT CURVE SEGMENT (SEE TABLE ON THIS SHEET)
- △ PROJECT CONTROL POINT (SEE TABLE ON THIS SHEET)
- PAVEMENT REHABILITATION AREA (SEE SHEETS C11 - C13 FOR PAVING INFORMATION)
- GREEN BIKE LANE
- XXXX.X EG / XXXX.XX FG SPOT ELEVATIONS



BENCHMARK DATA				
#	GRID NORTHING	GRID EASTING	ELEVATION	POINT DESCRIPTION
△116	2030074.73	6914716.24	2179.78	MAG NAIL

BROADWAY

BROADWAY CL STA	66+00	66+50	67+00	67+50	68+00	68+50	69+00	69+50
EG @ NORTH EP	(E)2176.6	(E)2177.3 (E)2176.6	(E)2177.1	(E)2177.6	(E)2178.3 (E)2178.1	(E)2178.6	(E)2179.3 (E)2179.1	(E)2179.8
MATCH EG @ CL/ FG @ INSIDE BIKE LANE	2177.33	2177.09	2177.78	2177.61	2178.12	2178.62	2179.30	2179.24
EG @ FL/ FG @ TBC	(E)2176.6	(E)2177.3 (E)2176.77	(E)2177.8	(E)2177.8	(E)2178.3 (E)2178.0	(E)2178.8	(E)2179.3 (E)2178.5	(E)2179.9
	2177.33	2177.27	2177.78	2177.80	2178.30	2178.79	2179.30	2179.15
EG / FG @ BOW	(E)2176.6	(E)2177.3 (E)2176.77	(E)2177.8	(E)2178.3	(E)2178.8 (E)2178.3	(E)2179.3	(E)2179.8 (E)2179.2	(E)2180.2
	2177.33	2177.09	2177.61	2178.12	2178.62	2179.08	2179.47	2179.49



0 10' 20' 40'

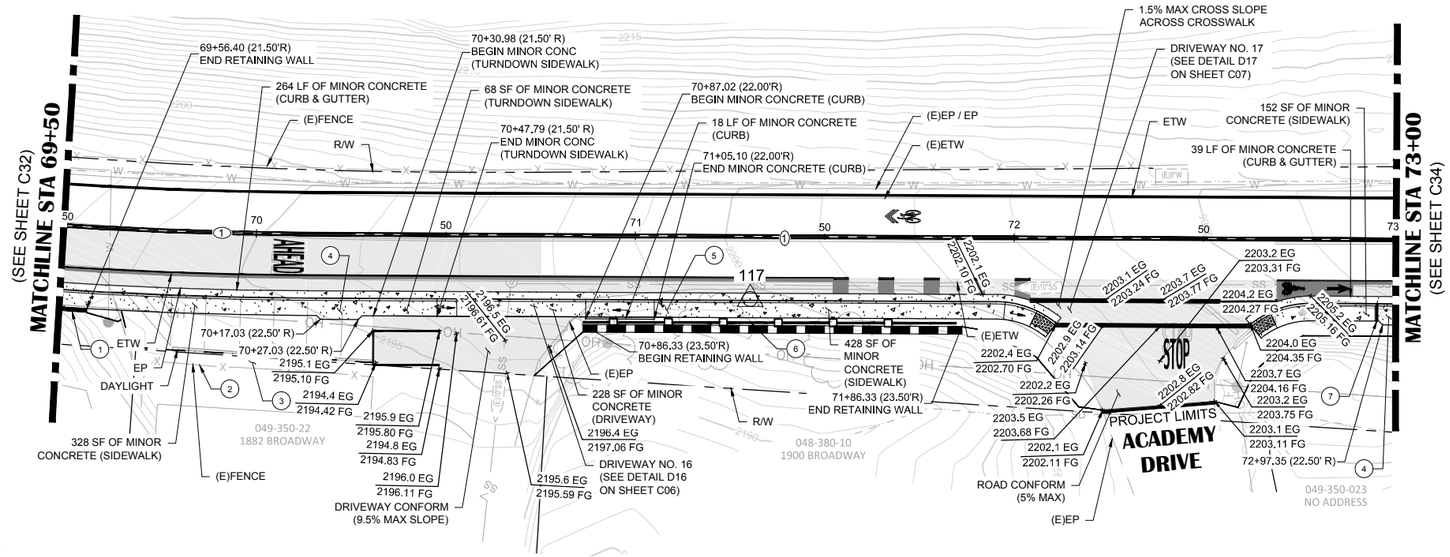
SCALE IN FEET

℄ LINE DATA		
#	BEARING	LENGTH
1	N65°18'26"E	286.93'

℄ CURVE DATA			
#	DELTA	RADIUS	LENGTH
1	9°08'52"	1100.00	63.07'

SHEET LEGEND:
SEE SHEET C02 FOR FULL LEGEND.

- (#) CONSTRUCTION NOTE
- (#) CENTERLINE ALIGNMENT LINE SEGMENT (SEE TABLE ON THIS SHEET)
- (#) CENTERLINE ALIGNMENT CURVE SEGMENT (SEE TABLE ON THIS SHEET)
- PROJECT CONTROL POINT (SEE TABLE ON THIS SHEET)
- PAVEMENT REHABILITATION AREA (SEE SHEETS C11 - C13 FOR PAVING INFORMATION)
- GREEN BIKE LANE
- XXXX.X EG / XXXX.XX FG — SPOT ELEVATIONS



BENCHMARK DATA				
#	GRID NORTHING	GRID EASTING	ELEVATION	POINT DESCRIPTION
△117	2030230.14	6915176.77	2199.64	60D SPIKE

BROADWAY

BROADWAY CL STA	69+50		70+00		70+50		71+00		71+50		72+00		72+50		73+00
EG/ FG @ NORTH EP	(E)2192.4	(E)2192.8	(E)2193.2	(E)2193.6	(E)2194.0	(E)2194.4	(E)2194.8	(E)2195.2	(E)2195.6	(E)2196.0	(E)2196.4	(E)2196.8	(E)2197.3	(E)2197.7	(E)2198.2
MATCH EG @ CL/ FG @ INSIDE BIKE LANE	(E)2190.6 2192.98	(E)2192.92 2192.74	(E)2192.9 2193.43	(E)2193.3 2193.87	(E)2193.8 2194.27	(E)2194.1 2194.62	(E)2194.4 2194.97	(E)2194.8 2195.32	(E)2195.0 2195.69	(E)2195.4 2196.05	(E)2195.7 2196.44	(E)2196.2 2196.59	(E)2196.8 2196.74	(E)2197.0 2197.22	(E)2197.2 2197.69
FG @ FL/ FG @ TBC	(E)2193.0 2192.42 2192.98	(E)2192.8 2192.74	(E)2192.87 2193.36	(E)2193.2 2193.81	(E)2193.6 2194.21	(E)2194.0 2194.56	(E)2194.4 2194.90	(E)2194.8 2195.26	(E)2195.2 2195.62	(E)2195.6 2195.99	(E)2196.0 2196.38	(E)2196.4 2196.53	(E)2196.8 2196.68	(E)2197.2 2196.99	(E)2197.6 2197.16
EG /FG @ TBW	(E)2193.0 2192.42 2192.98	(E)2192.8 2192.74	(E)2192.87 2193.36	(E)2193.2 2193.81	(E)2193.6 2194.21	(E)2194.0 2194.56	(E)2194.4 2194.90	(E)2194.8 2195.26	(E)2195.2 2195.62	(E)2195.6 2195.99	(E)2196.0 2196.38	(E)2196.4 2196.53	(E)2196.8 2196.68	(E)2197.2 2196.99	(E)2197.6 2197.16

BROADWAY CL STA	71+50		72+00		72+50		73+00	
EG/ FG @ NORTH EP	(E)2201.0	(E)2201.4	(E)2201.8	(E)2202.2	(E)2202.6	(E)2203.0	(E)2203.4	(E)2203.8
MATCH EG @ CL/ FG @ INSIDE BIKE LANE	(E)2199.9 2200.88	(E)2200.2 2201.26	(E)2200.6 2201.64	(E)2201.3 2202.01	(E)2201.5 2202.36	(E)2203.0 2202.61	(E)2203.4 2202.89	(E)2203.7 2203.25
FG @ FL/ FG @ TBC	(E)2201.0 2200.44 2200.88	(E)2201.4 2200.82 2201.32	(E)2201.8 2201.20 2201.70	(E)2202.2 2201.57 2202.07	(E)2202.6 2201.92 2202.42	(E)2203.0 2202.61	(E)2203.4 2202.89	(E)2203.8 2203.25
EG /FG @ TBW	(E)2201.0 2200.44 2200.88	(E)2201.4 2200.82 2201.32	(E)2201.8 2201.20 2201.70	(E)2202.2 2201.57 2202.07	(E)2202.6 2201.92 2202.42	(E)2203.0 2202.61	(E)2203.4 2202.89	(E)2203.8 2203.25

BROADWAY CL STA	69+50		70+00		70+50		71+00		71+50		72+00		72+50		73+00
EG/ FG @ NORTH EP	(E)2192.4	(E)2192.8	(E)2193.2	(E)2193.6	(E)2194.0	(E)2194.4	(E)2194.8	(E)2195.2	(E)2195.6	(E)2196.0	(E)2196.4	(E)2196.8	(E)2197.3	(E)2197.7	(E)2198.2
MATCH EG @ CL/ FG @ INSIDE BIKE LANE	(E)2190.6 2192.98	(E)2192.74	(E)2192.9 2193.43	(E)2193.3 2193.87	(E)2193.8 2194.27	(E)2194.1 2194.62	(E)2194.4 2194.97	(E)2194.8 2195.32	(E)2195.0 2195.69	(E)2195.4 2196.05	(E)2195.7 2196.44	(E)2196.2 2196.59	(E)2196.8 2196.74	(E)2197.0 2197.22	(E)2197.2 2197.69
FG @ FL/ FG @ TBC	(E)2193.0 2192.42 2192.98	(E)2192.8 2192.74	(E)2192.87 2193.36	(E)2193.2 2193.81	(E)2193.6 2194.21	(E)2194.0 2194.56	(E)2194.4 2194.90	(E)2194.8 2195.26	(E)2195.2 2195.62	(E)2195.6 2195.99	(E)2196.0 2196.38	(E)2196.4 2196.53	(E)2196.8 2196.68	(E)2197.2 2196.99	(E)2197.6 2197.16
EG /FG @ TBW	(E)2193.0 2192.42 2192.98	(E)2192.8 2192.74	(E)2192.87 2193.36	(E)2193.2 2193.81	(E)2193.6 2194.21	(E)2194.0 2194.56	(E)2194.4 2194.90	(E)2194.8 2195.26	(E)2195.2 2195.62	(E)2195.6 2195.99	(E)2196.0 2196.38	(E)2196.4 2196.53	(E)2196.8 2196.68	(E)2197.2 2196.99	(E)2197.6 2197.16

BROADWAY CL STA	71+50		72+00		72+50		73+00	
EG/ FG @ NORTH EP	(E)2201.0	(E)2201.4	(E)2201.8	(E)2202.2	(E)2202.6	(E)2203.0	(E)2203.4	(E)2203.8
MATCH EG @ CL/ FG @ INSIDE BIKE LANE	(E)2199.9 2200.88	(E)2200.2 2201.26	(E)2200.6 2201.64	(E)2201.3 2202.01	(E)2201.5 2202.36	(E)2203.0 2202.61	(E)2203.4 2202.89	(E)2203.7 2203.25
FG @ FL/ FG @ TBC	(E)2201.0 2200.44 2200.88	(E)2201.4 2200.82 2201.32	(E)2201.8 2201.20 2201.70	(E)2202.2 2201.57 2202.07	(E)2202.6 2201.92 2202.42	(E)2203.0 2202.61	(E)2203.4 2202.89	(E)2203.7 2203.25
EG /FG @ TBW	(E)2201.0 2200.44 2200.88	(E)2201.4 2200.82 2201.32	(E)2201.8 2201.20 2201.70	(E)2202.2 2201.57 2202.07	(E)2202.6 2201.92 2202.42	(E)2203.0 2202.61	(E)2203.4 2202.89	(E)2203.7 2203.25

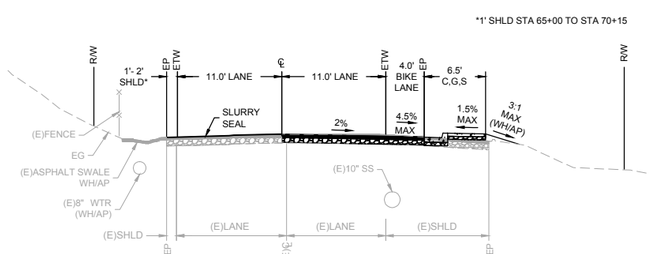
CONSTRUCTION NOTES:

1. RETAINING WALL 6 (CONCRETE)
   7 LF CAST-IN-PLACE CONCRETE RETAINING WALL. (SEE SHEET S12). INSTALL 7 LF OF PEDESTRIAN RAILING (WALL MOUNTED).
2. PROTECT (E)FENCE IN PLACE.
3. PROTECT (E)SIDEWALK IN PLACE.
4. ADA TURN POCKET (SEE DETAIL 13 ON SHEET C03).
5. TRANSITION SIDEWALK TO DRAIN TOWARD TBW AT A 1.5% CROSS-SLOPE. (STA 71+00 - STA 71+10)
6. RETAINING WALL 7 (MSE)
   100 LF OF VEGETATED MSE RETAINING WALL. (SEE SHEET S13). INSTALL 100 LF OF PEDESTRIAN RAILING (GROUND MOUNTED).
7. 72+82.35 (16.83 (R))
   UNDER SIDEWALK DRAIN (SEE DETAIL 12 ON SHEET C03).
   FL @ FOC: 2205.87

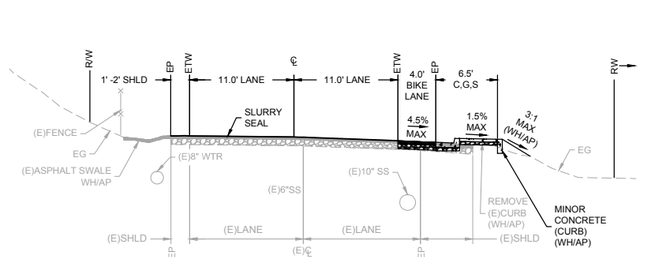
NOTES:

- THE CITY OF PLACERVILLE & CALTRANS SHARE A RIGHT-OF-WAY LINE FROM STA 23+47 TO STA 75+81 ON THE NORTH SIDE OF BROADWAY.
- RADIUS INFORMATION IS PARALLEL TO THE CENTERLINE ALIGNMENT, UNLESS OTHERWISE NOTED.
- QUANTITIES SHOWN REPRESENT IMPROVEMENTS DISPLAYED ON THIS SHEET.
- TYPICAL SECTION FOR STA 69+50 TO STA 69+56 IS LOCATED ON SHEET 32.
- TYPICAL SECTION FOR STA 72+76 TO STA 74+15 IS LOCATED ON SHEET 34.
- MAXIMUM ALLOWABLE GRADE BREAK FOR PAVEMENT CONFORMS & PEDESTRIAN FACILITIES IS 8%, UNLESS OTHERWISE NOTED.

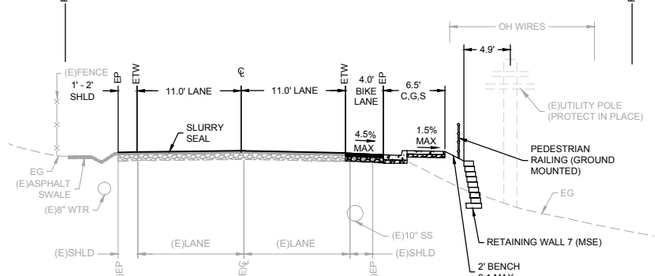
SECTIONS



STA 69+56 TO STA 70+75
NOT TO SCALE



STA 70+75 TO STA 70+86, STA 71+85 TO STA 72+76
NOT TO SCALE



STA 70+86 TO STA 71+85
NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER
JAMES W. FORTNEY
No. 73197
Exp. 12/31/20
CIVIL
STATE OF CALIFORNIA

NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: 1" = 20'
VERT. SCALE: _____

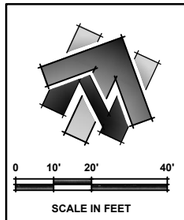
R.E.Y. ENGINEERS, INC.
Civil Engineers | Land Surveyors | LIDAR
925 Sutter Street, Suite 200 Folsom, CA 95630
Phone (916) 366-3040 Fax (916) 366-3333

UPPER BROADWAY BIKE LANES
CIP# 41508
PLAN & SECTIONS 69+50 - 73+00
CITY OF PLACERVILLE — CALIFORNIA

DRAWING INFO
DATE: 10/24/2019
DRAFTER: KIVGM/GTR
DESIGNER: CASB
REVIEWER: JWF

PROJECT NO. **6884.003**
SHEET NO. **C33** OF **C43**

R:\6884 - City of Placerville\003 - Upper Broadway Bike Lanes\10 - CAD Drawings\Improvement Plans\6884.003 PLAN AND PROFILE C33-C35.dwg Oct 24, 2019 - 1:12pm, vgmcgrew



LINE DATA		
#	BEARING	LENGTH
(1)	N65°18'26"E	151.59'

CURVE DATA			
#	DELTA	RADIUS	LENGTH
(1)	11°27'19"	644.54	128.87'

SHEET LEGEND:
SEE SHEET C02 FOR FULL LEGEND.

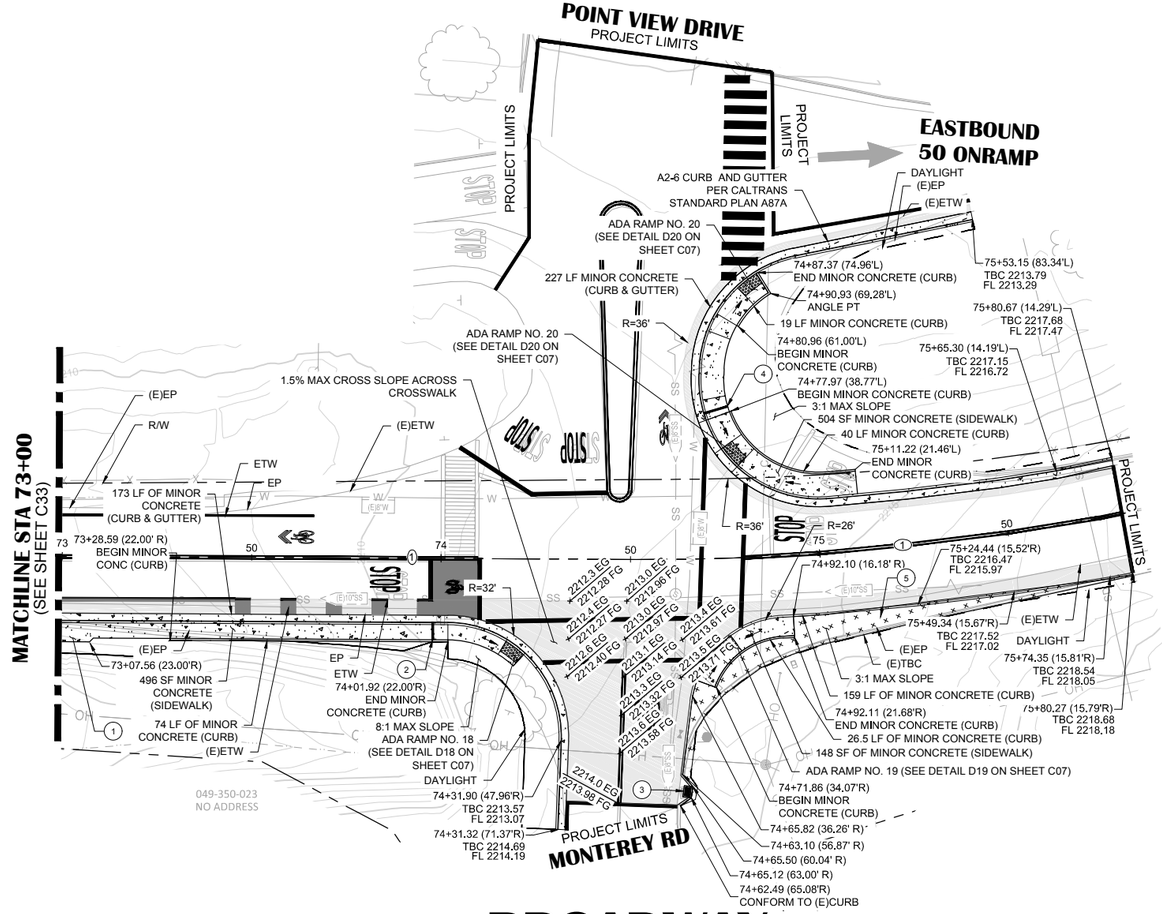
(#) CONSTRUCTION NOTE

(#) CENTERLINE ALIGNMENT LINE SEGMENT (SEE TABLE ON THIS SHEET)

PAVEMENT REHABILITATION AREA (SEE SHEETS C11 - C13 FOR PAVING INFORMATION)

GREEN BIKE LANE

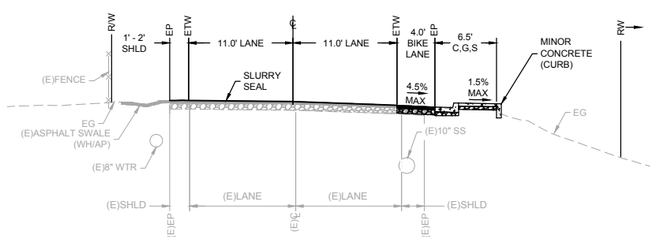
XXXX.X EG / XXXX.XX FG — SPOT ELEVATIONS



BROADWAY

BROADWAY CL STA	73+00				73+50				74+00				74+50				75+00				75+50				76+00
EG @ NORTH EP	(E)2206.8	(E)2207.3	(E)2207.7	(E)2208.1	(E)2208.5	(E)2208.9	(E)2209.2	(E)2209.5	(E)2209.8	(E)2210.2							(E)2214.6	(E)2214.5	(E)2214.9	(E)2215.3	(E)2215.7	(E)2216.2	(E)2216.7	(E)2217.1	(E)2217.5	
MATCH EG @ NORTH SAWCUT																										
MATCH EG @ CL/ FG @ INSIDE BIKE LANE	(E)2206.7 2206.32	(E)2207.2 2206.77	(E)2207.6 2207.22	(E)2208.0 2207.65	(E)2208.4 2208.06	(E)2208.8 2208.48	(E)2209.3 2208.91	(E)2209.6 2209.34	(E)2210.0 2209.82	(E)2210.4 2210.33	(E)2210.8	(E)2211.2	(E)2211.7	(E)2212.1	(E)2212.5	(E)2212.9	(E)2213.2	(E)2213.6	(E)2213.9	(E)2214.3	(E)2214.7	(E)2215.1	(E)2215.5	(E)2216.0	(E)2216.4	(E)2216.8	(E)2217.2	(E)2217.7	(E)2218.1	(E)2218.6	(E)2219.0
FG @ FL/ FG @ TBC	2206.00 2206.50	2206.45 2206.95	2206.90 2207.40	2207.33 2207.82	2207.74 2208.24	2208.16 2208.66	2208.59 2209.09	2209.02 2209.52	2209.50 2210.00	2210.01 2210.51	2210.36 2210.76	2210.98 2211.14	2211.53 2211.54	2212.36 2212.95																	
EG / FG @ TBW	(E)2205.7 2206.43	(E)2206.3 2206.89	(E)2206.7 2207.34	(E)2206.9 2207.77	(E)2207.5 2208.18	(E)2208.2 2208.60	(E)2208.7 2209.03	(E)2208.9 2209.46	(E)2209.3 2209.94	(E)2209.8 2210.45	(E)2210.3 2210.73																			

SECTIONS



STA 72+76 TO STA 74+15
NOT TO SCALE

CONSTRUCTION NOTES:

1. ADA TURN POCKET (SEE DETAIL 13 ON SHEET C03).
2. 73+97.92 (16.83' (R)) UNDER SIDEWALK DRAIN (SEE DETAIL 12 ON SHEET C03). FL @ FOC: 2212.21
3. 74+66.61 (61.37' (R)) TYPE "GO" DI WITH BIKE SAFE GRATE PER CALTRANS STANDARD PLAN D72E TYPE 24-12X GRATE PER CALTRANS STD PLAN D77B. INVERT UNKNOWN. CONTRACTOR TO VERIFY INVERT PRIOR TO BEGINNING WORK.
4. 74+70.20 (38.36' (L)) UNDER SIDEWALK DRAIN (SEE DETAIL 12 ON SHEET C03). FL @ FOC: 2212.21
5. 605 SF OF LANDSCAPING.

NOTES:

- THE CITY OF PLACERVILLE & CALTRANS SHARE A RIGHT-OF-WAY LINE FROM STA 23+47 TO STA 75+81 ON THE NORTH SIDE OF BROADWAY.
- RADIUS INFORMATION IS PARALLEL TO THE CENTERLINE ALIGNMENT, UNLESS OTHERWISE NOTED.
- QUANTITIES SHOWN REPRESENT IMPROVEMENTS DISPLAYED ON THIS SHEET.
- MAXIMUM ALLOWABLE GRADE BREAK FOR PAVEMENT CONFORMS & PEDESTRIAN FACILITIES IS 8%, UNLESS OTHERWISE NOTED.

PROFESSIONAL ENGINEER — JAMES W. REY — No. 73197 — Exp. 12/31/20 — CIVIL — STATE OF CALIFORNIA

NO.	REVISION	DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: 1" = 20'
VERT. SCALE:

R.E.Y. ENGINEERS, INC.
Civil Engineers | Land Surveyors | LIDAR
905 Sutter Street, Suite 200 Folsom, CA 95630
Phone: (916) 366-3040 Fax: (916) 366-3333

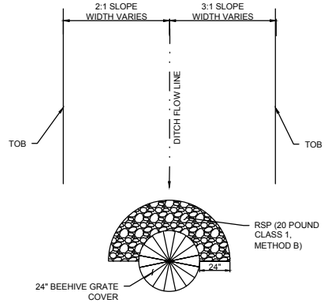
UPPER BROADWAY BIKE LANES
CIP# 41508
PLAN & SECTIONS 73+00 - 75+81
CITY OF PLACERVILLE — CALIFORNIA

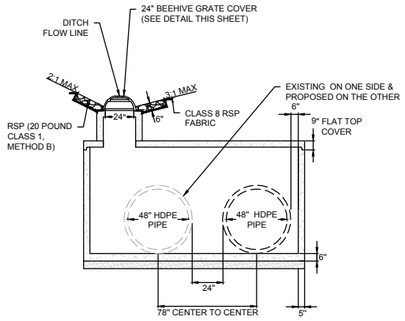
DRAWING INFO
DATE: 10/24/2019
DRAFTER: KJV/GM/GR
DESIGNER: CAB
REVIEWER: JWR

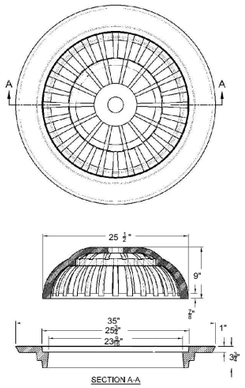
PROJECT NO.
6884.003
SHEET NO. **C34** OF **C43**

R:\6884 - City of Placerville\003 - Upper Broadway Bike Lanes\10 - CAD Drawings\Improvement Plans\6884.003 PLAN AND PROFILE C33-C35.dwg Oct 24, 2019 - 1:15pm, vgmcgrew

STORM DRAIN DETAILS



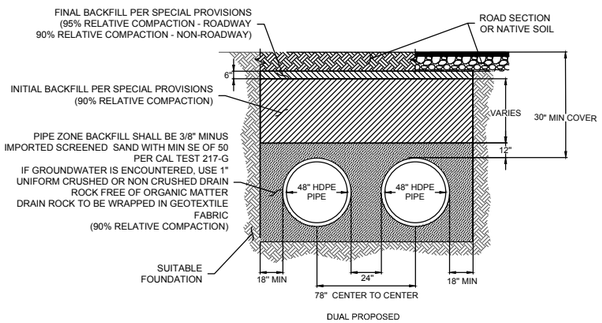




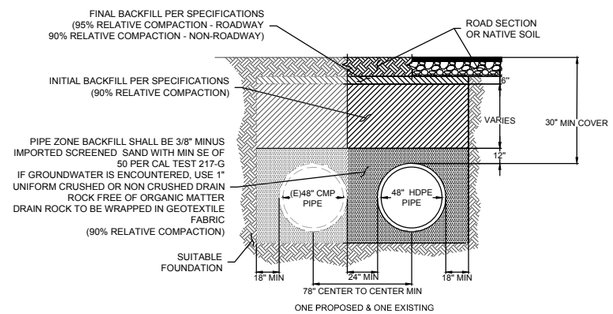
STORM DRAIN JUNCTION BOX

NOT TO SCALE

1



DUAL PROPOSED

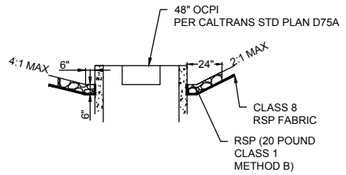


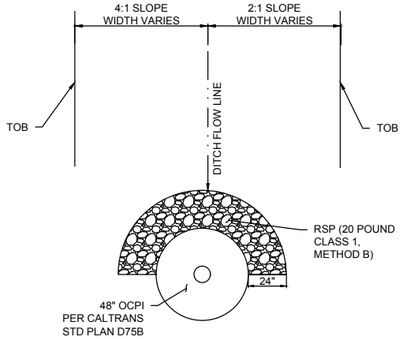
ONE PROPOSED & ONE EXISTING

DUAL 48" HDPE PIPE TRENCH

NOT TO SCALE

2





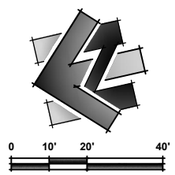
48" OCPI

NOT TO SCALE

3

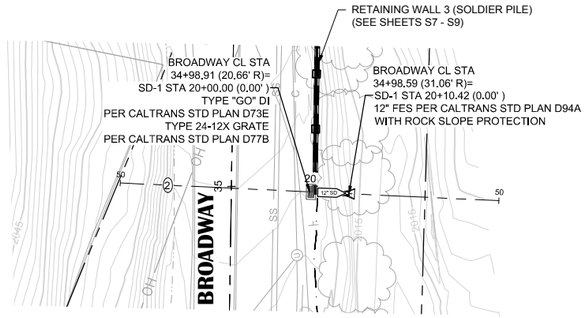
SHEET LEGEND:
SEE SHEET C02 FOR FULL LEGEND.

- (#) CONSTRUCTION NOTE
- (#) STORM DRAIN CENTERLINE ALIGNMENT LINE SEGMENT (SEE TABLE ON THIS SHEET)
- (#) STORM DRAIN CENTERLINE ALIGNMENT CURVE SEGMENT (SEE TABLE ON THIS SHEET)



SCALE IN FEET

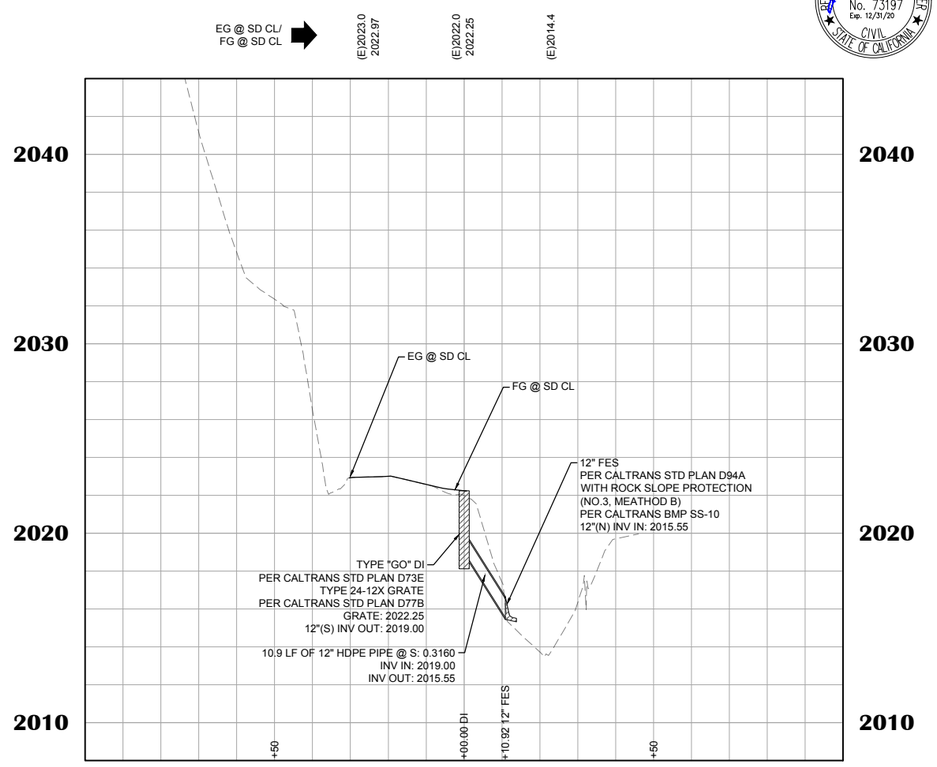
STORM DRAIN ℄ LINE DATA		
#	BEARING	LENGTH
(2)	N15°33'12"E	100.00'



SD-1

NOTES:
- QUANTITIES SHOWN REPRESENT IMPROVEMENTS DISPLAYED ON THIS SHEET.

REGISTERED PROFESSIONAL ENGINEER
JAMES W. FOLSOM
No. 73197
Exp. 12/31/20
CIVIL
STATE OF CALIFORNIA



NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: 1" = 20'
VERT. SCALE: 1" = 4'

R.E.Y. ENGINEERS, INC.
Civil Engineers | Land Surveyors | LiDAR
9245 Sutter Street, Suite 200, Folsom, CA 95630
Phone: (916) 365-3040 Fax: (916) 365-3333

UPPER BROADWAY BIKE LANES
CIP# 41508
STORM DRAIN DETAILS & PLAN & PROFILE - SD-1
CITY OF PLACERVILLE CALIFORNIA

DRAWING INFO
DATE: 10/24/2019
DRAFTER: KIVGM/GVR
DESIGNER: CASB
REVIEWER: JWF

PROJECT NO.
6884.003
SHEET NO. **C35** OF **C43**

R:\6884 – City of Placerville\003 – Upper Broadway Bike Lanes\10 – CAD Drawings\Improvement Plans\6884.003 SD PROFILES.dwg Oct 24, 2019 – 1:16pm, vgmcgrew

SHEET LEGEND:
SEE SHEET C02 FOR FULL LEGEND.

(#) CONSTRUCTION NOTE

(#) STORM DRAIN CENTERLINE ALIGNMENT LINE SEGMENT (SEE TABLE ON THIS SHEET)

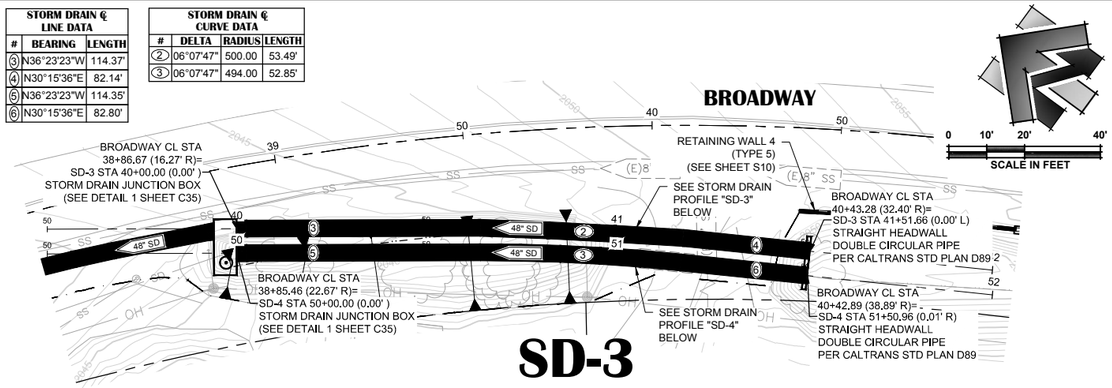
(#) STORM DRAIN CENTERLINE ALIGNMENT CURVE SEGMENT (SEE TABLE ON THIS SHEET)

SLOPE (SEE SHEETS C17 - C34)

NOTES:
- QUANTITIES SHOWN REPRESENT IMPROVEMENTS DISPLAYED ON THIS SHEET.

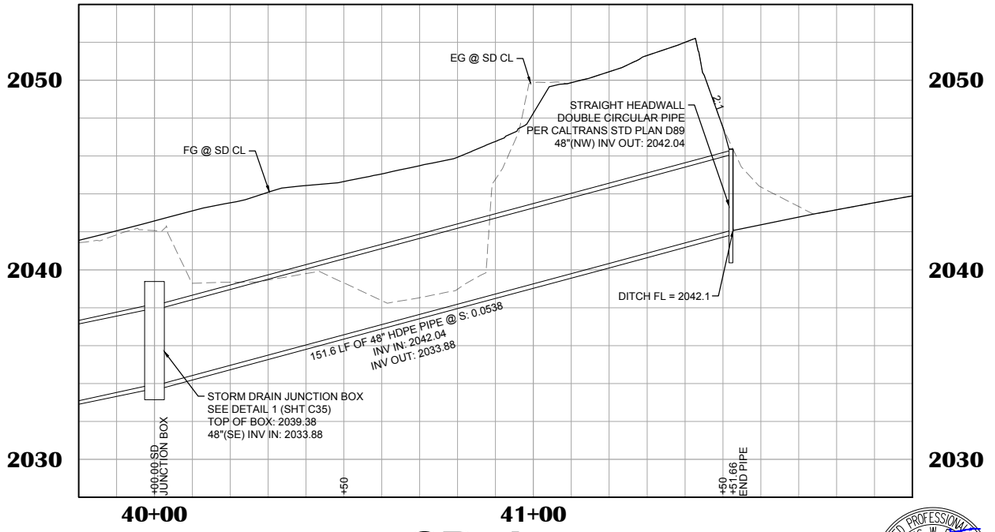
STORM DRAIN ℄ LINE DATA		
#	BEARING	LENGTH
③	N36°23'23"W	114.37'
④	N30°15'36"E	82.14'
⑤	N36°23'23"W	114.35'
⑥	N30°15'36"E	82.80'

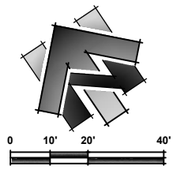
STORM DRAIN ℄ CURVE DATA			
#	DELTA	RADIUS	LENGTH
②	06°07'47"	500.00	53.49'
③	06°07'47"	494.00	52.85'



SD-3

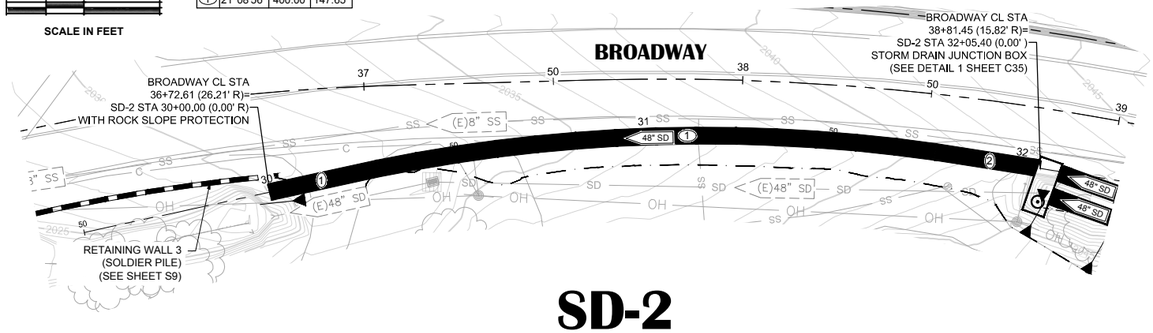
EG @ SD CL/ FG @ SD CL: (E)2041.4 2041.55 | (E)2042.1 2042.58 | (E)2039.4 2043.76 | (E)2039.3 2044.66 | (E)2038.7 2045.70 | (E)2049.9 2048.27 | (E)2050.8 2050.63 | (E)2047.5 2047.51 | (E)2043.0 2042.98 | (E)2043.9 2043.90





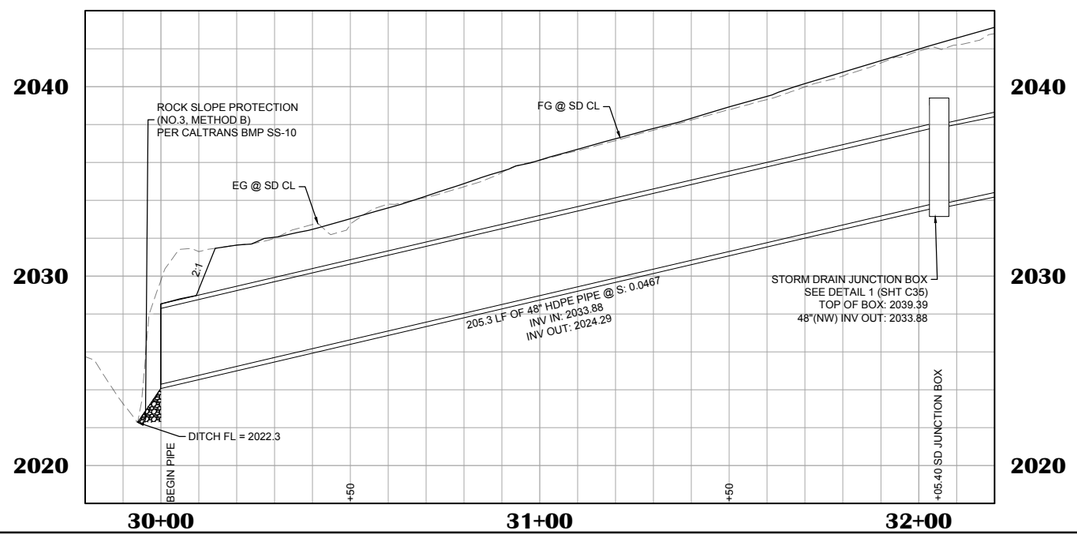
STORM DRAIN ℄ LINE DATA		
#	BEARING	LENGTH
①	N68°20'43"W	79.47'
②	N47°11'47"E	68.32'

STORM DRAIN ℄ CURVE DATA			
#	DELTA	RADIUS	LENGTH
①	21°08'56"	400.00	147.65'



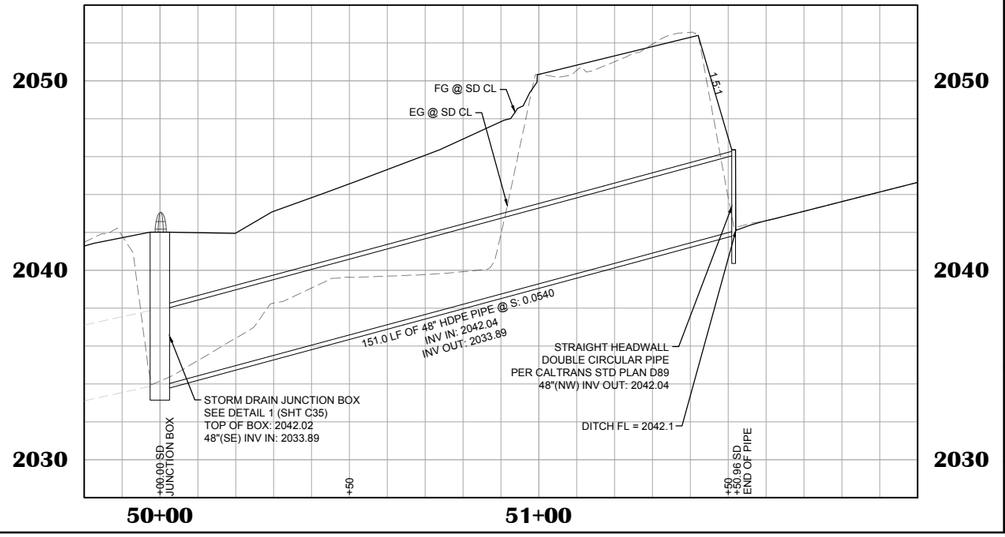
SD-2

EG @ SD CL/ FG @ SD CL: (E)2025.7 | (E)2029.8 2028.53 | (E)2031.7 2031.79 | (E)2032.7 2033.03 | (E)2034.4 2034.55 | (E)2036.1 2036.12 | (E)2037.4 2037.52 | (E)2038.8 2038.92 | (E)2040.3 2040.46 | (E)2041.9 2041.97 | (E)2042.8 2043.13



SD-4

EG @ SD CL/ FG @ SD CL



NO.	REVISION	DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: 1" = 20'
VERT. SCALE: 1" = 4'

R.E.Y. ENGINEERS, INC.
Civil Engineers | Land Surveyors | LIDAR
925 Sutter Street, Suite 200 Folsom, CA 95630
Phone (916) 366-3040 Fax (916) 366-3333

UPPER BROADWAY BIKE LANES
CIP# 41508
STORM DRAIN PLAN & PROFILE - SD-2 - SD-4
CITY OF PLACERVILLE CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER JAMES W. FOSS No. 73197 Exp. 12/31/20 CIVIL STATE OF CALIFORNIA

DRAWING INFO
DATE: 10/24/2019
DRAFTER: KI/VGM/GI/R
DESIGNER: CASB
REVIEWER: JWF

PROJECT NO. 6884.003
SHEET NO. C36 OF C43

R:\6884 - City of Placerville\003 - Upper Broadway Bike Lanes\10 - CAD Drawings\Improvement Plans\6884.003 SD PROFILES.dwg Oct 24, 2019 - 1:16pm, vgmcgraw

SHEET LEGEND:
SEE SHEET C02 FOR FULL LEGEND.

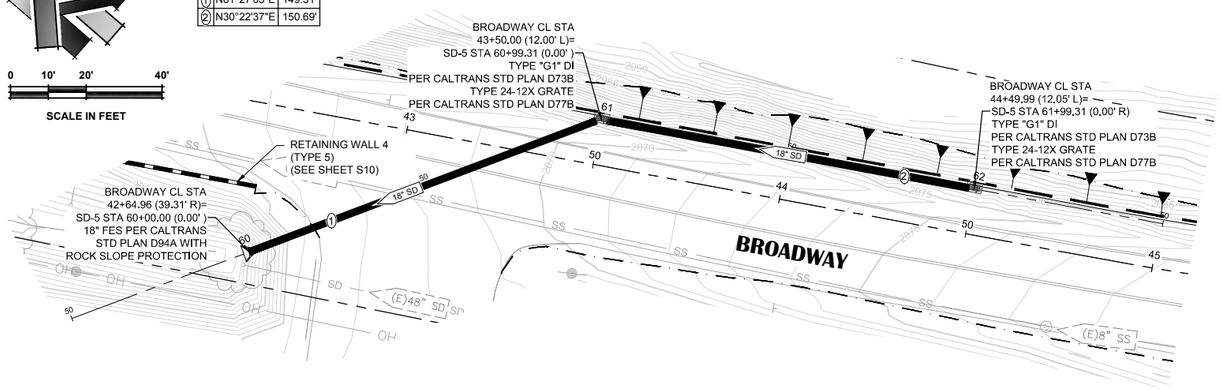
(#) CONSTRUCTION NOTE

(#) STORM DRAIN CENTERLINE ALIGNMENT LINE SEGMENT (SEE TABLE ON THIS SHEET)

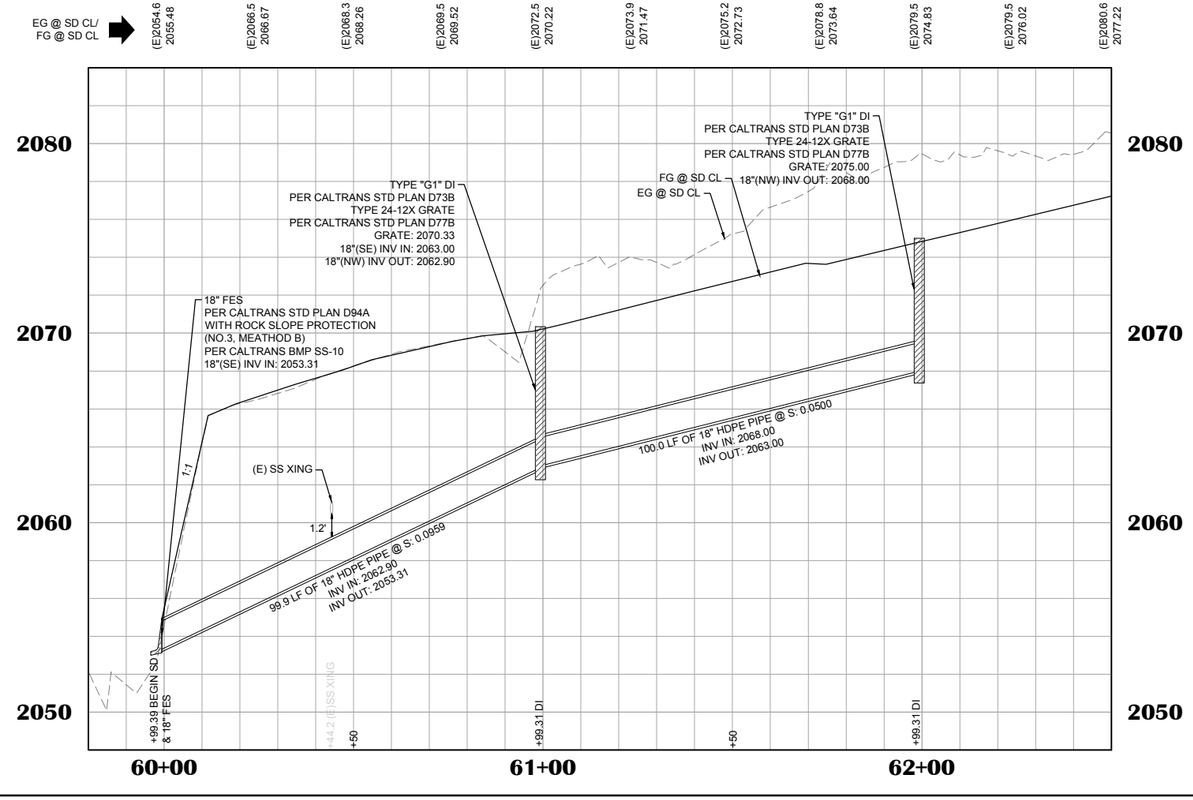
(#) STORM DRAIN CENTERLINE ALIGNMENT CURVE SEGMENT (SEE TABLE ON THIS SHEET)

STORM DRAIN ℄ LINE DATA		
#	BEARING	LENGTH
1	N61°27'03"E	149.31'
2	N30°22'37"E	150.69'

0 10' 20' 40'
SCALE IN FEET



SD-5

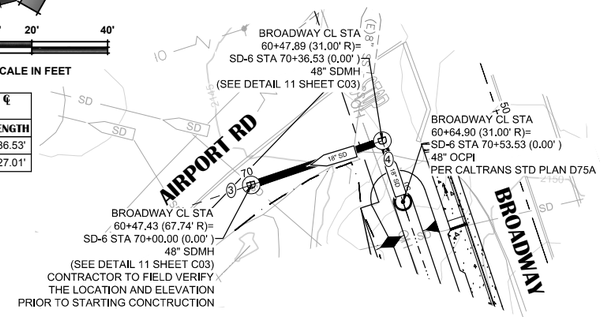


NOTES:
- QUANTITIES SHOWN REPRESENT IMPROVEMENTS DISPLAYED ON THIS SHEET.

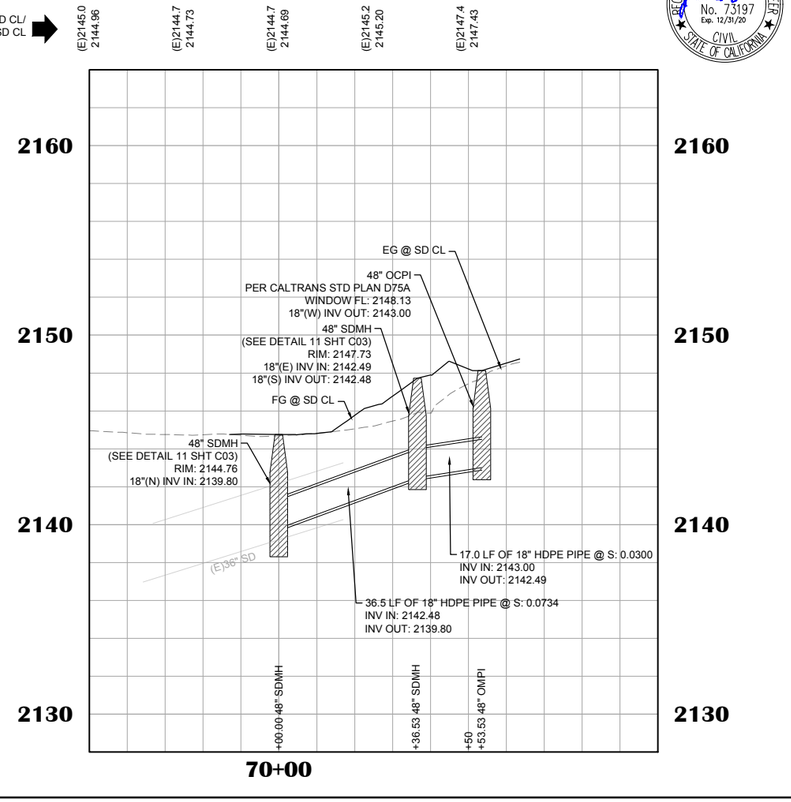


0 10' 20' 40'
SCALE IN FEET

STORM DRAIN ℄ LINE DATA		
#	BEARING	LENGTH
3	N03°24'33"E	86.53'
4	N86°35'27"E	27.01'



SD-6





NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: 1" = 20'
VERT. SCALE: 1" = 4'

R.E.Y. ENGINEERS, INC.
Civil Engineers | Land Surveyors | LiDAR
925 Sutter Street | Suite 200 Folsom, CA 95630
Phone: (916) 366-3040 Fax: (916) 366-3333

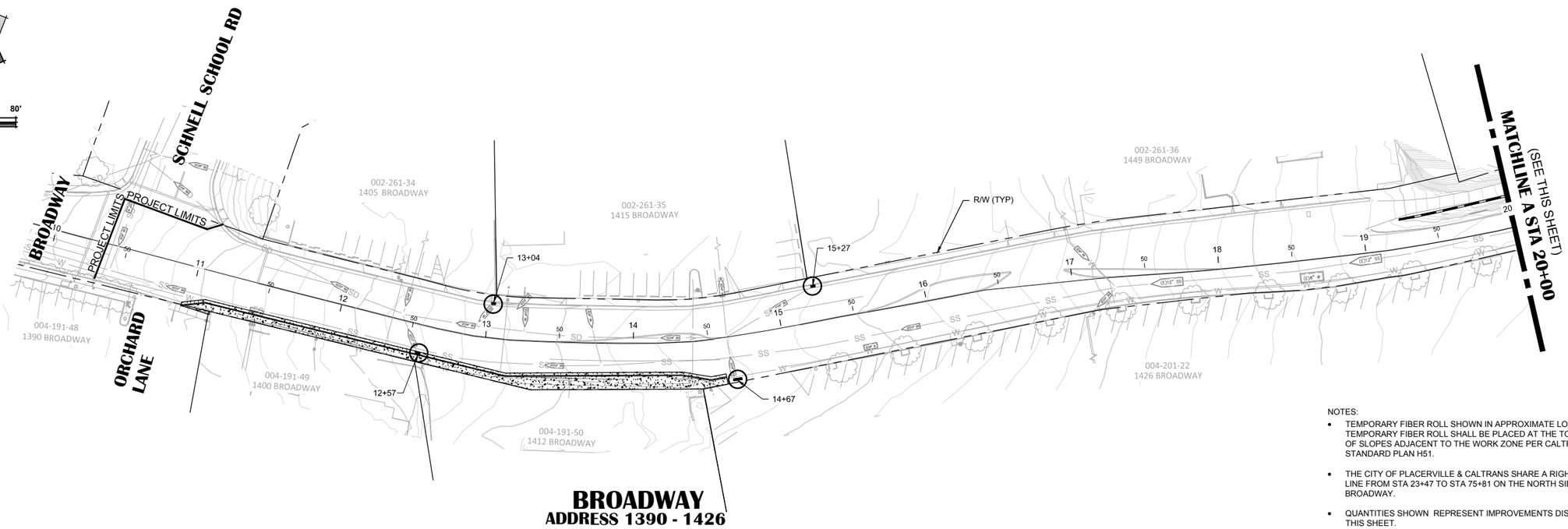
UPPER BROADWAY BIKE LANES
CIP# 41508
STORM DRAIN PLAN & PROFILE - SD-5 AND SD-6
CITY OF PLACERVILLE CALIFORNIA

DRAWING INFO
DATE: 10/24/2019
DRAFTER: KI/VGM/GI/R
DESIGNER: CASB
REVIEWER: JWF

PROJECT NO.
6884.003
SHEET NO. **C37** OF **C43**

R:\6884 - City of Placerville\003 - Upper Broadway Bike Lanes\10 - CAD Drawings\Improvement Plans\6884.003 SD PROFILES.dwg Oct 24, 2019 - 1:16pm, vgmcgraw

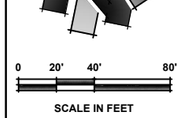


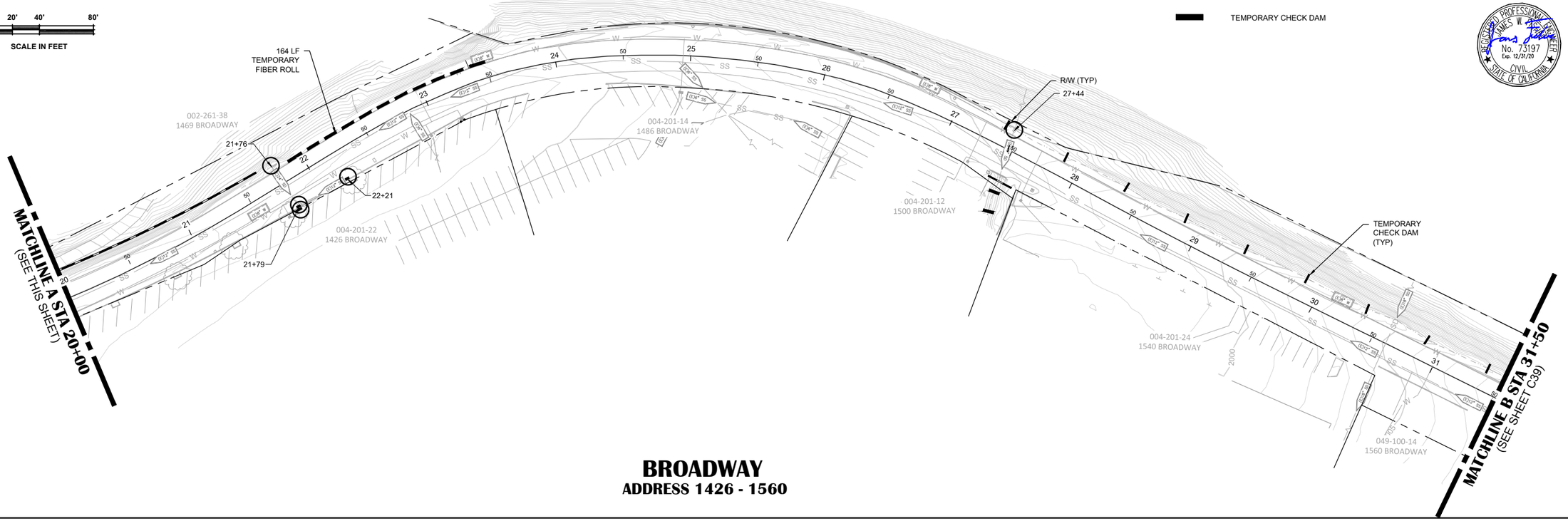


BROADWAY
ADDRESS 1390 - 1426

NOTES:

- TEMPORARY FIBER ROLL SHOWN IN APPROXIMATE LOCATION. TEMPORARY FIBER ROLL SHALL BE PLACED AT THE TOP OR TOES OF SLOPES ADJACENT TO THE WORK ZONE PER CALTRANS STANDARD PLAN H51.
- THE CITY OF PLACERVILLE & CALTRANS SHARE A RIGHT-OF-WAY LINE FROM STA 23+47 TO STA 75+81 ON THE NORTH SIDE OF BROADWAY.
- QUANTITIES SHOWN REPRESENT IMPROVEMENTS DISPLAYED ON THIS SHEET.





BROADWAY
ADDRESS 1426 - 1560

LEGEND:

(SCALED FOR CLARITY)

- TEMPORARY FIBER ROLL
- TEMPORARY DRAINAGE INLET PROTECTION
- TEMPORARY CHECK DAM
- PARCEL LINE
- RIGHT OF WAY LINE

REGISTERED PROFESSIONAL ENGINEER — JAMES W. FORE — No. 73197 — Exp. 12/31/20 — CIVIL — STATE OF CALIFORNIA

NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: 1" = 40'
VERT. SCALE: N/A

R.E.Y. ENGINEERS, INC.
Civil Engineers | Land Surveyors | LIDAR
925 Sutter Street, Suite 200 Folsom, CA 95630
Phone: (916) 366-3040 Fax: (916) 366-3303

UPPER BROADWAY BIKE LANES
CIP# 41508
TEMPORARY EROSION CONTROL PLAN
10+00 - 31+50
CITY OF PLACERVILLE CALIFORNIA

DRAWING INFO
DATE: 10/24/2019
DRAFTER: KIVGM/GVR
DESIGNER: CASB
REVIEWER: JWF

PROJECT NO.
6884.003
SHEET NO. C38 OF C43

R:\6884 - City of Placerville\003 - Upper Broadway Bike Lanes\10 - CAD Drawings\Improvement Plans\6884.003 TEMP EROSION CONTORL.dwg Oct 24, 2019 - 1:16pm, vgmcgrew

NOTES:

- TEMPORARY FIBER ROLL SHOWN IN APPROXIMATE LOCATION. TEMPORARY FIBER ROLL SHALL BE PLACED AT THE TOP OR TOES OF SLOPES ADJACENT TO THE WORK ZONE PER CALTRANS STANDARD PLAN H51.
- THE CITY OF PLACERVILLE & CALTRANS SHARE A RIGHT-OF-WAY LINE FROM STA 23+47 TO STA 75+81 ON THE NORTH SIDE OF BROADWAY.
- QUANTITIES SHOWN REPRESENT IMPROVEMENTS DISPLAYED ON THIS SHEET.

0 20' 40' 80'

SCALE IN FEET

SMITH FLAT RD

PROJECT LIMITS

TEMPORARY CONSTRUCTION ENTRANCE

36+46

36+42.29 (20.25' L)

42 LF TEMPORARY FIBER ROLL

35+52.70 (13.66' L)

309 LF TEMPORARY FIBER ROLL

72 LF TEMPORARY SILT FENCE

TEMPORARY CHECK DAM (TYP)

32+43.68 (13.94' L)

MATCHLINE B STA 31+50 (SEE SHEET C38)

34+99

34+72.92 (22.7' R)

202 LF TEMPORARY FIBER ROLL

283 LF ESA FENCING

34+05.60 (40.6' R)

33+97.75 (51.8' R)

R/W (TYP)

36+81.63 (22.3' R)

36+84.55 (32.5' R)

37+02.00 (24.4' R)

36+97.48 (31.5' R)

37+17

37+42.56 (26.9' R)

37+45.77 (35.4' R)

48 LF ESA FENCING

38+69.61 (23.1' R)

38+67.24 (26.6' R)

38+82

39+15.01 (47.8' R)

144 LF TEMPORARY FIBER ROLL

140 LF ESA FENCING

39+97.03 (46.1' R)

40+00.74 (33.1' R)

39+97.83 (24.1' R)

178 LF TEMPORARY FIBER ROLL

40+77.50 (18.04' L)

5 SY TEMPORARY HYDRAULIC MULCH

42+21.88 (17.1' L)

40+20.71 (24.5' R)

40+19.78 (26.6' R)

228 LF TEMPORARY FIBER ROLL

228 LF ESA FENCING

MATCHLINE C STA 42+50 (SEE THIS SHEET)

049-100-14
1560 BROADWAY

049-100-15
1600 BROADWAY

049-100-16
1610 BROADWAY

049-170-13
1624 BROADWAY

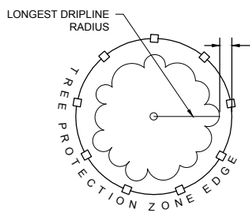
049-170-12
1622 BROADWAY

049-170-07
1676 BROADWAY

BROADWAY
ADDRESS 1560 - 1676

TPZ / ESA FENCING DETAIL:

(SCALED FOR CLARITY)



TPZ FENCING NOTES:
1. THE TREE PROTECTION ZONE IS THE AREA CREATED BY A CIRCLE PROJECTED FROM THE CENTER OF THE TREE TO 1' BEYOND THE FURTHEST REACHING BRANCH (SEE DETAIL TO THE LEFT).
2. THE DRIPLINE IS THE PERIMETER OF THE AREA COVERED BY THE TREES CANOPY.

ESA FENCING NOTES:
1. SIGNAGE MUST INCLUDE THE WORDS "THIS AREA IS ENVIRONMENTALLY SENSITIVE, NO CONSTRUCTION OR OTHER OPERATIONS MAY OCCUR BEYOND THIS FENCING. VIOLATORS MAY BE SUBJECT TO PROSECUTION, FINES, OR IMPRISONMENT."
2. ESA FENCING MUST INCLUDE SIGNAGE PLACED EVERY 25 FEET.

LEGEND:

(SCALED FOR CLARITY)

- TPZ / ESA FENCING (SEE TPZ / ESA FENCING DETAIL THIS SHEET)
- TEMPORARY FIBER ROLL
- TEMPORARY SILT FENCE
- TEMPORARY DRAINAGE INLET PROTECTION
- TEMPORARY CHECK DAM
- TEMPORARY CONSTRUCTION ENTRANCE
- TEMPORARY EROSION CONTROL BLANKET
- TEMPORARY HYDRAULIC MULCH
- PARCEL LINE
- RIGHT OF WAY LINE
- SLOPE (SEE SHEETS C17-C34)

(SEE THIS SHEET) MATCHLINE C STA 42+50

16 SY TEMPORARY HYDRAULIC MULCH

43+38.37 (19.7' L)

43+50

1088 LF TEMPORARY FIBER ROLL

193 LF TEMPORARY FIBER ROLL

126 SY TEMPORARY EROSION CONTROL BLANKET

44+50

45+04.27 (19.7' L)

33 LF ESA FENCING

36 LF TEMPORARY FIBER ROLL

42+80.11 (34.2' R)

43+33.57 (34.1' R)

50 SY TEMPORARY HYDRAULIC MULCH

46+12.74 (19.7' L)

153 LF TEMPORARY FIBER ROLL

105 SY TEMPORARY EROSION CONTROL BLANKET

47+68.05 (19.8' L)

42 LF TPZ FENCING

216 LF TEMPORARY FIBER ROLL

45+40.81 (22.8' R)

45+83.51 (28.5' R)

786 LF TEMPORARY FIBER ROLL

41 LF TPZ FENCING

R/W (TYP)

96 LF TEMPORARY FIBER ROLL

48 LF TPZ FENCING

52+23.59 (19.9' L)

58 LF TPZ FENCING

131 SY TEMPORARY HYDRAULIC MULCH

58 SY TEMPORARY EROSION CONTROL BLANKET

53+20.00 (19.9' L)

15 SY TEMPORARY HYDRAULIC MULCH

MATCHLINE D STA 53+50 (SEE SHEET C40)

049-170-07
1676 BROADWAY

049-170-15
1700 BROADWAY

BROADWAY
ADDRESS 1676 - 1700

0 20' 40' 80'

SCALE IN FEET

NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE

HOR. SCALE: 1" = 40'
VERT. SCALE: N/A

REY ENGINEERS, INC.
Civil Engineers | Land Surveyors | LiDAR
905 Sutter Street, Suite 200 Folsom, CA 95630
Phone: (916) 366-3040 Fax: (916) 366-3333

REGISTERED PROFESSIONAL ENGINEER
JAMES W. FOLEY
No. 73197
Exp. 12/31/20
CIVIL
STATE OF CALIFORNIA

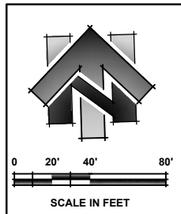
UPPER BROADWAY BIKE LANES
CIP# 41508
TEMPORARY EROSION CONTROL PLAN
31+50 - 53+50
CITY OF PLACERVILLE **CALIFORNIA**

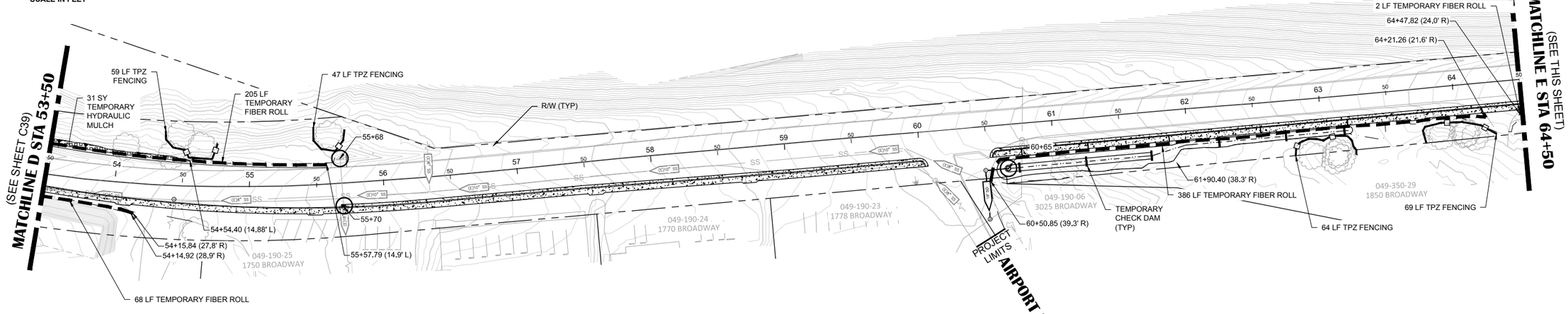
DRAWING INFO

DATE:	10/24/2019
DRAFTER:	KI/VGM/GYR
DESIGNER:	CASB
REVIEWER:	JWF

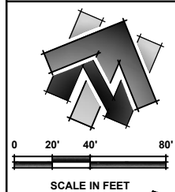
PROJECT NO.
6884.003
SHEET NO. **C39** OF **C43**

R:\6884 - City of Placerville\003 - Upper Broadway Bike Lanes\10 - CAD Drawings\Improvement Plans\6884.003 TEMP EROSION CONTORL.dwg Oct 24, 2019 - 1:16pm, vgmcgrew





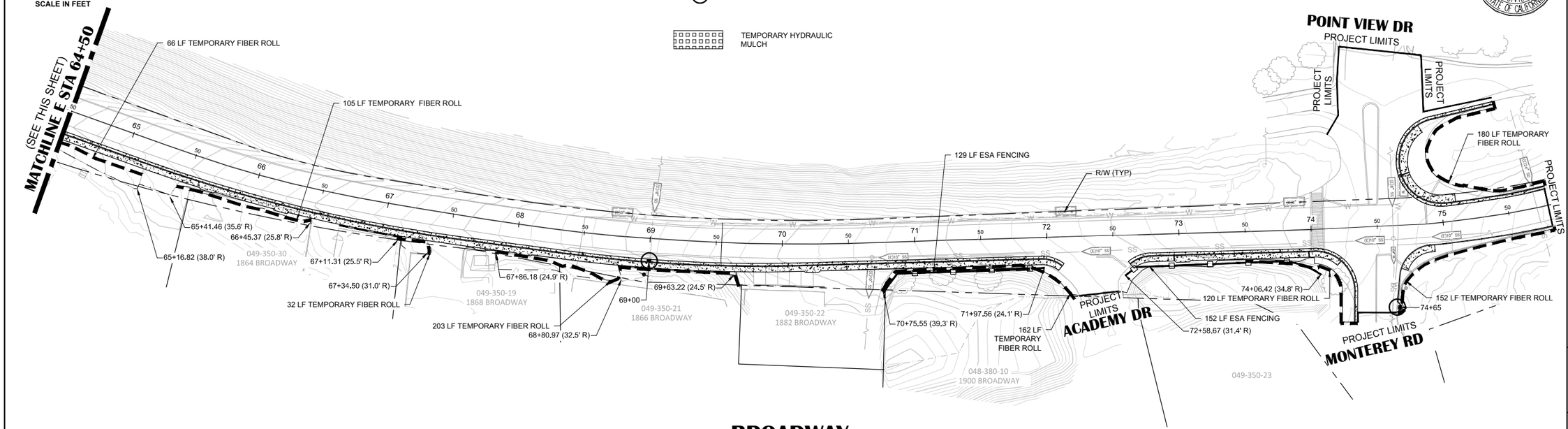
BROADWAY
ADDRESS 1750 - 1850



LEGEND:
(SCALED FOR CLARITY)

- TPZ / ESA FENCING (SEE TPZ / ESA FENCING DETAIL ON SHEET C39)
- TEMPORARY FIBER ROLL
- TEMPORARY DRAINAGE INLET PROTECTION
- TEMPORARY HYDRAULIC MULCH
- PARCEL LINE
- RIGHT OF WAY LINE
- SLOPE (SEE SHEETS C17-C34)

NOTES:
- TEMPORARY FIBER ROLL SHOWN IN APPROXIMATE LOCATION. TEMPORARY FIBER ROLL SHALL BE PLACED AT THE TOP OR TOES OF SLOPES ADJACENT TO THE WORK ZONE.
- THE CITY OF PLACERVILLE & CALTRANS SHARE A RIGHT-OF-WAY LINE FROM STA 23+47 TO STA 75+81 ON THE NORTH SIDE OF BROADWAY.
- QUANTITIES SHOWN REPRESENT IMPROVEMENTS DISPLAYED ON THIS SHEET.



BROADWAY
ADDRESS 1850 - 1900

REGISTERED PROFESSIONAL ENGINEER
JAMES W. REY
No. 73197
Exp. 12/31/20
CIVIL
STATE OF CALIFORNIA

NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: 1" = 40'
VERT. SCALE: N/A

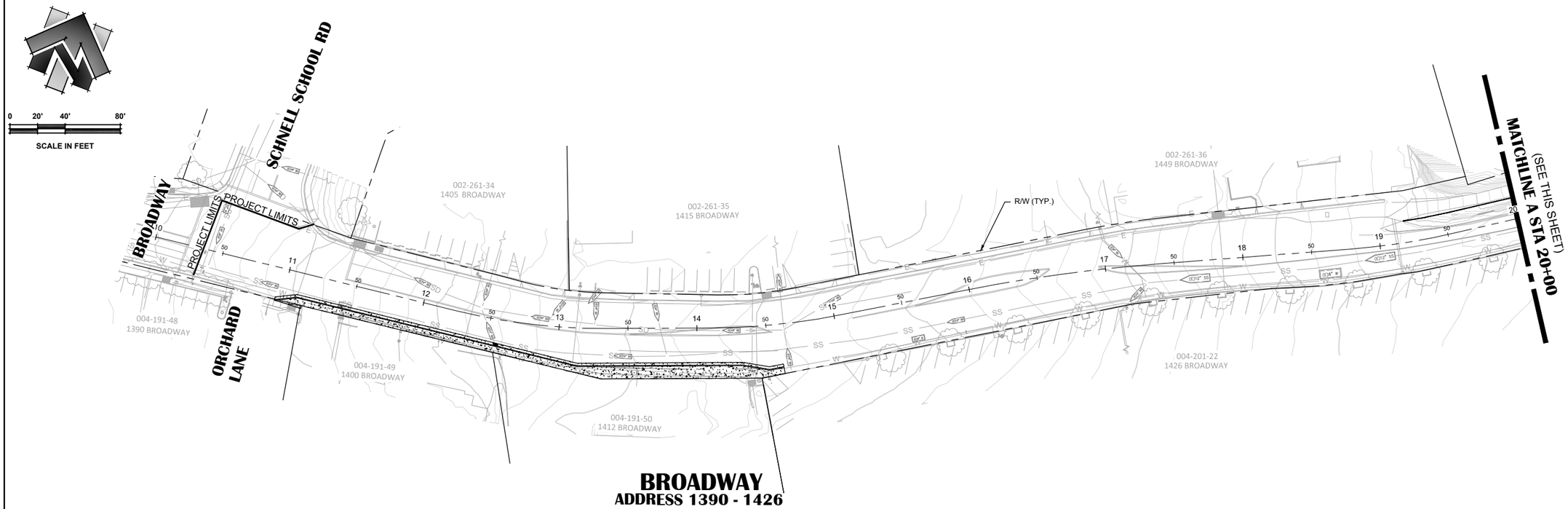
REY ENGINEERS, INC.
Civil Engineers | Land Surveyors | LDAR
905 Sutter Street, Suite 200, Folsom, CA 95630
Phone: (916) 360-3040 Fax (916) 360-3333

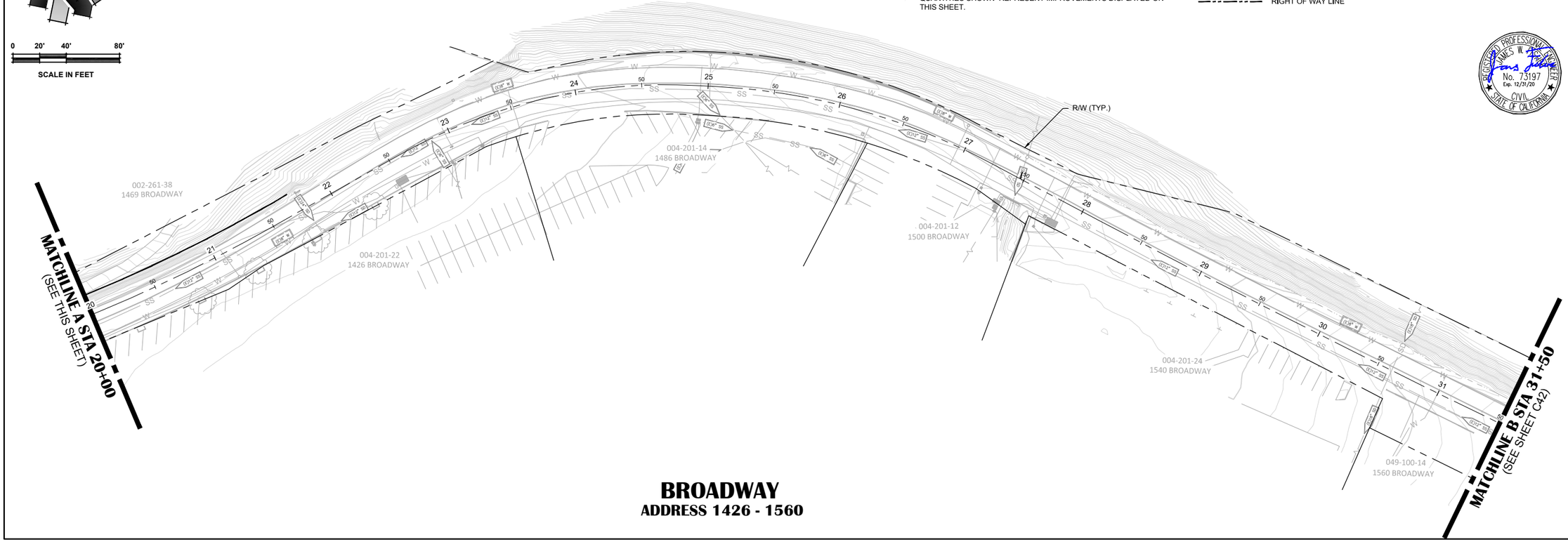
UPPER BROADWAY BIKE LANES
CIP# 41508
TEMPORARY EROSION CONTROL PLAN
53+50 - 75+21
CITY OF PLACERVILLE CALIFORNIA

DRAWING INFO
DATE: 10/24/2019
DRAFTER: KI/VGM/GVR
DESIGNER: CASB
REVIEWER: JWR

PROJECT NO.
6884.003
SHEET NO. **C40** OF **C43**

R:\6884 – City of Placerville\003 – Upper Broadway Bike Lanes\10 – CAD Drawings\Improvement Plans\6884.003 TEMP EROSION CONTORL.dwg Oct 24, 2019 – 1:17pm, vgmcgrew





NOTES:

- THE CITY OF PLACERVILLE & CALTRANS SHARE A RIGHT-OF-WAY LINE FROM STA 23+47 TO STA 75+81 ON THE NORTH SIDE OF BROADWAY.
- QUANTITIES SHOWN REPRESENT IMPROVEMENTS DISPLAYED ON THIS SHEET.

LEGEND:

(SCALED FOR CLARITY)

PARCEL LINE

RIGHT OF WAY LINE

PROFESSIONAL ENGINEER
JAMES W. FOLSOM
No. 73197
Exp. 12/31/20
CIVIL
STATE OF CALIFORNIA

NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE

HOR. SCALE: 1" = 40'
VERT. SCALE: N/A

R.E.Y. ENGINEERS, INC.
Civil Engineers | Land Surveyors | LIDAR
925 Sutter Street, Suite 200 Folsom, CA 95630
Phone: (916) 366-3040 Fax: (916) 366-3303

UPPER BROADWAY BIKE LANES

CIP# 41508

PERMANENT EROSION CONTROL PLAN

CITY OF PLACERVILLE 10+00 - 31+50 CALIFORNIA

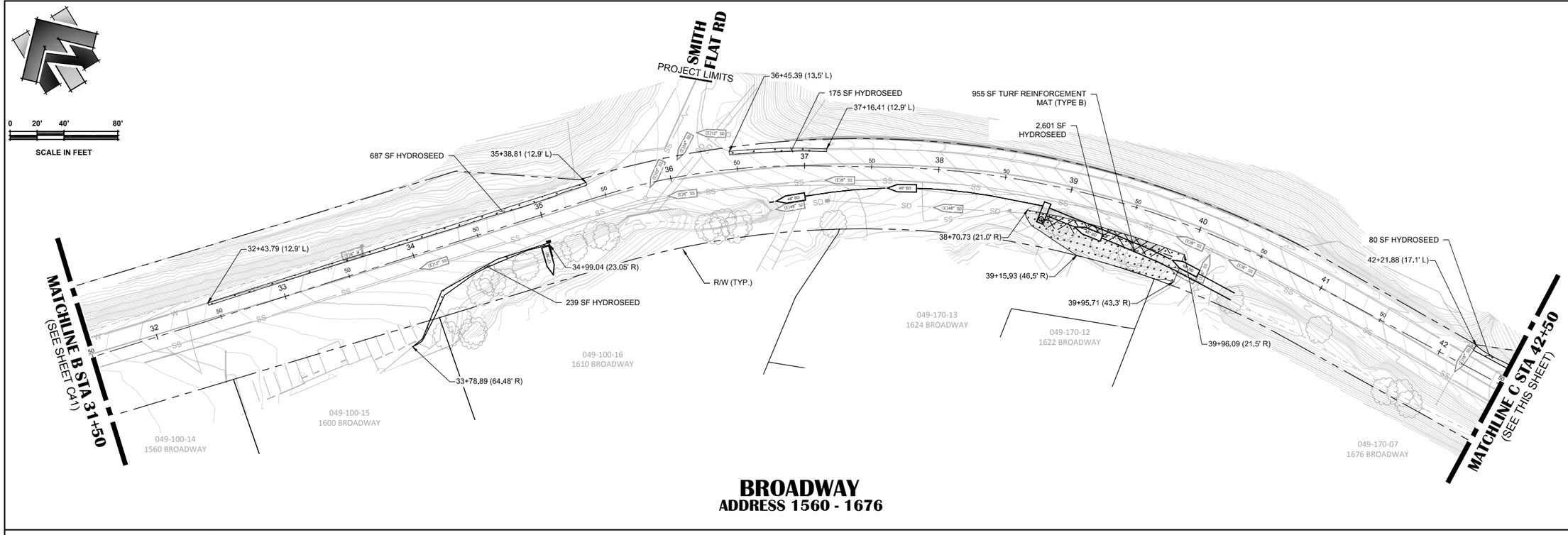
DRAWING INFO

DATE: 10/24/2019
DRAFTER: KIVGM/GVR
DESIGNER: CASB
REVIEWER: JWF

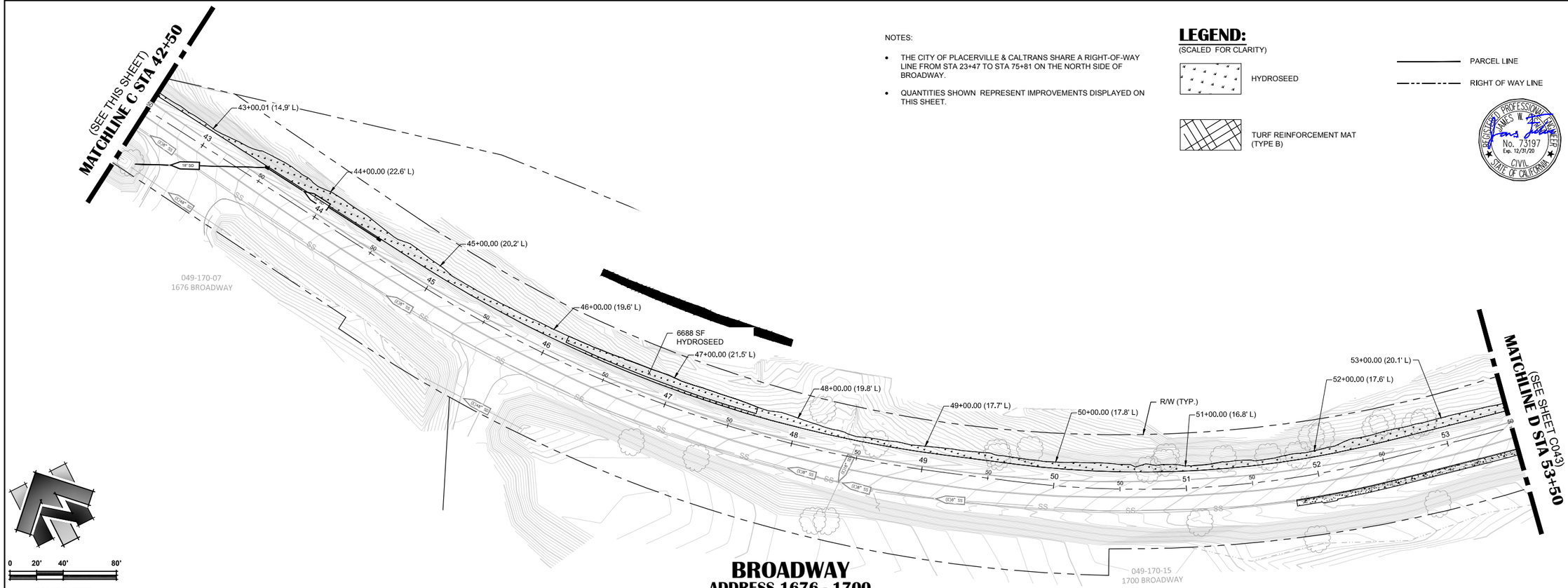
PROJECT NO.
6884.003

SHEET NO. C41 OF C43

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BROADWAY
ADDRESS 1560 - 1676



NOTES:

- THE CITY OF PLACERVILLE & CALTRANS SHARE A RIGHT-OF-WAY LINE FROM STA 23+47 TO STA 75+81 ON THE NORTH SIDE OF BROADWAY.
- QUANTITIES SHOWN REPRESENT IMPROVEMENTS DISPLAYED ON THIS SHEET.

LEGEND:
(SCALED FOR CLARITY)

HYDROSEED

TURF REINFORCEMENT MAT (TYPE B)

PARCEL LINE

RIGHT OF WAY LINE

BROADWAY
ADDRESS 1676 - 1700

NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: 1" = 40'
VERT. SCALE: N/A

REY ENGINEERS, INC.
Civil Engineers | Land Surveyors | LiDAR
905 Sutter Street, Suite 200 Folsom, CA 95630
Phone: (916) 366-3040 Fax: (916) 366-3333

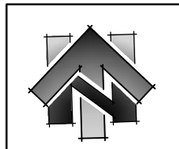
PROFESSIONAL ENGINEER
JAMES W. FOLEY
No. 73197
Exp. 12/31/20
CIVIL
STATE OF CALIFORNIA

UPPER BROADWAY BIKE LANES
CIP# 41508
PERMANENT EROSION CONTROL PLAN
31+50 - 53+50
CITY OF PLACERVILLE **CALIFORNIA**

DRAWING INFO
DATE: 10/24/2019
DRAFTER: KI/VGM/CVR
DESIGNER: CASB
REVIEWER: JWF

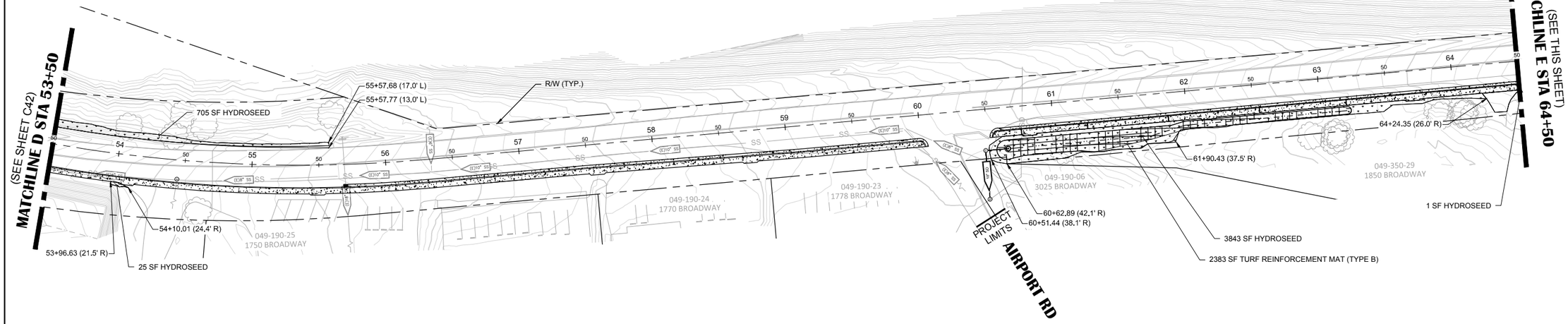
PROJECT NO.
6884.003
SHEET NO. **C42** OF **C43**

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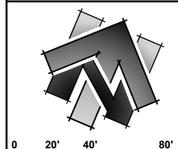


0 20' 40' 80'

SCALE IN FEET



BROADWAY
ADDRESS 1750 - 1850



0 20' 40' 80'

SCALE IN FEET

LEGEND:
(SCALED FOR CLARITY)

HYDROSEED

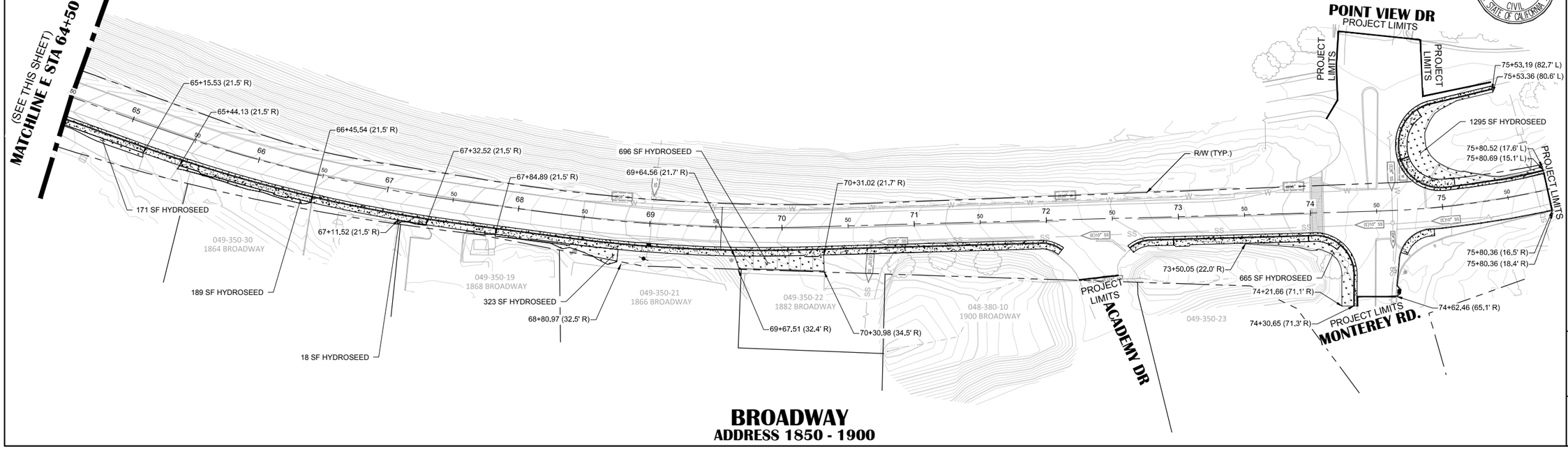
TURF REINFORCEMENT MAT (TYPE B)

PARCEL LINE

RIGHT OF WAY LINE

NOTES:

- THE CITY OF PLACERVILLE & CALTRANS SHARE A RIGHT-OF-WAY LINE FROM STA 23+47 TO STA 75+81 ON THE NORTH SIDE OF BROADWAY.
- QUANTITIES SHOWN REPRESENT IMPROVEMENTS DISPLAYED ON THIS SHEET.



BROADWAY
ADDRESS 1850 - 1900

REGISTERED PROFESSIONAL ENGINEER
JAMES W. FOSS
No. 73197
Exp. 12/31/20
CIVIL
STATE OF CALIFORNIA

NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: 1" = 40'
VERT. SCALE: N/A

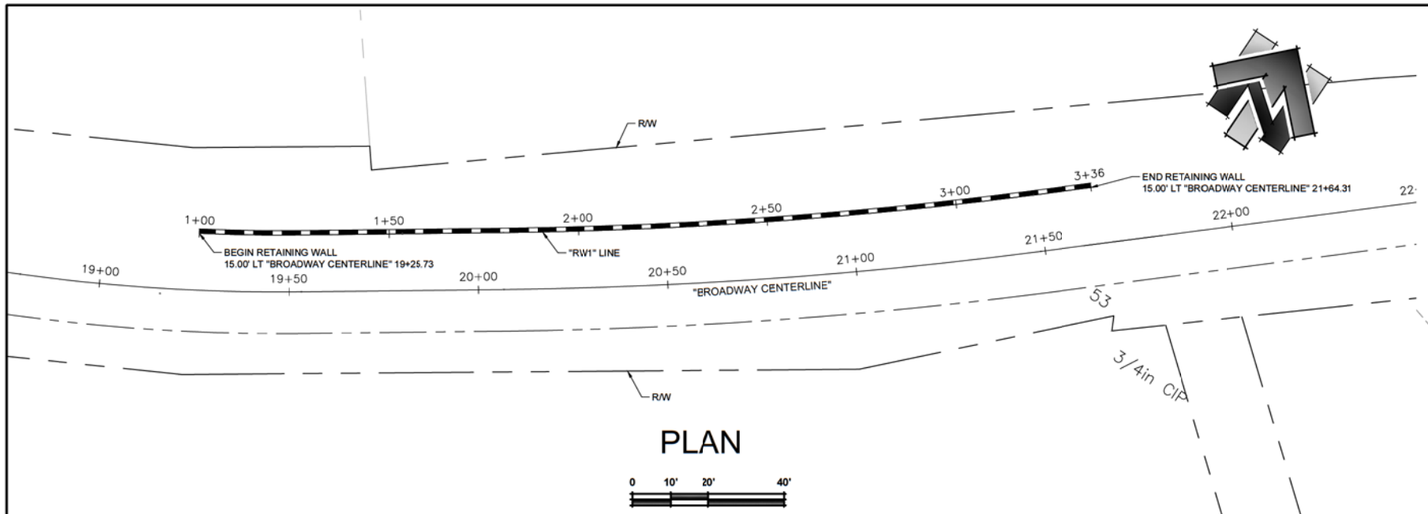
REY ENGINEERS, INC.
Civil Engineers | Land Surveyors | LDAR
905 Sutter Street, Suite 200 Folsom, CA 95630
Phone (916) 366-3040 Fax (916) 366-3333

UPPER BROADWAY BIKE LANES
CIP# 41508
PERMANENT EROSION CONTROL PLAN
53+50 - 75+21
CITY OF PLACERVILLE CALIFORNIA

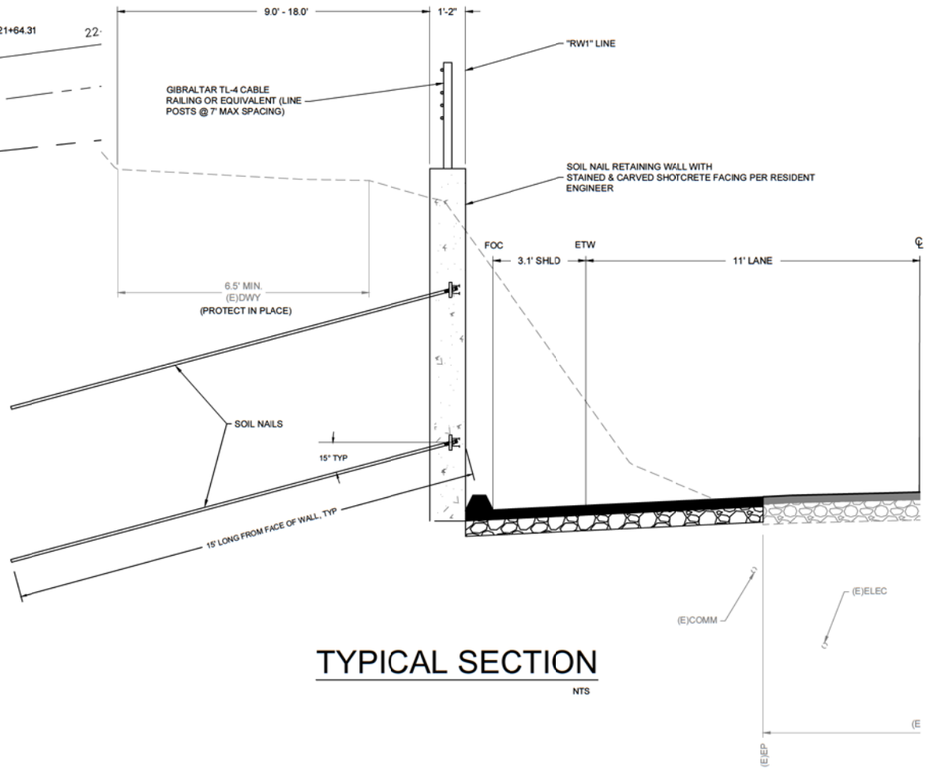
DRAWING INFO
DATE: 10/24/2019
DRAFTER: KIVGM/DVR
DESIGNER: CASB
REVIEWER: JWF

PROJECT NO. **6884.003**
SHEET NO. **C43** OF **C43**

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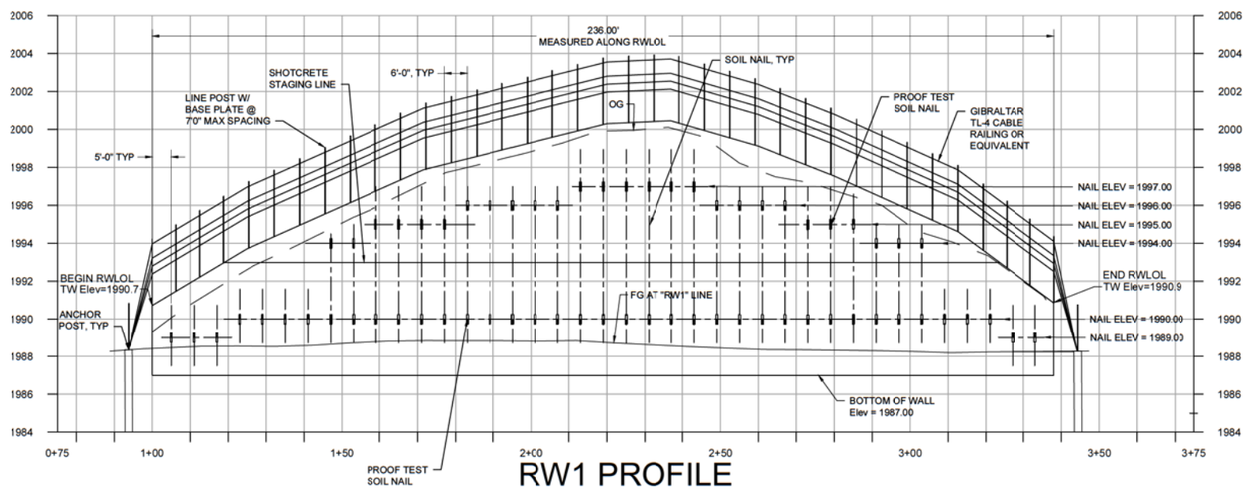


PLAN



TYPICAL SECTION

NTS



RW1 PROFILE

DESIGN NOTES:

DESIGN:	AASHTO LRFD Bridge Design Specifications, 4th Edition with California Amendments
LS:	2 foot surcharge on level ground surface
CT:	54 kip transverse force applied at He = 32", distributed over 10 feet at the top of wall and 1 : 1 distribution down and across face
SEISMIC:	k_h= 0.2 k_v= 0.0
SOIL:	Φ = 43° γ = 120 pcf
SOIL NAILS	ASTM 615 Grade 75
NOMINAL BOND STRESS:	
PRESSURE GROUTED	25 psi
GRAVITY GROUTED	15 psi
REINFORCED CONCRETE:	f'c = 3,600 psi fy = 60,000 psi
SHOTCRETE:	f'c = 4,000 psi fy = 60,000 psi

LOAD COMBINATIONS AND LIMIT STATES:

Service I	Q = 1.00DC+1.00EV+1.00EH+1.00LS
Strength I	Q = α DC+ βEV+ηEH+1.75LS
Extreme I	Q = 1.00DC+1.00EV+1.00EH+1.00EQD+1.00EQE
Extreme II	Q = 1.00DC+1.00EV+1.00EH+1.00CT

Where:

Q:	Force Effects
α:	1.25 or 0.90, Whichever Controls Design
β:	1.35 or 1.00, Whichever Controls Design
η:	1.50 or 0.90, Whichever Controls Design
DC:	Dead Load of Structure Components
EH:	Horizontal Earth Pressure
EV:	Vertical Earth Pressure from Earth Weight
LS:	Live Load Surcharge
EQE:	Seismic Earth Pressure
EQD:	Soil and Structural and Nonstructural Components Inertia
CT:	Vehicular Collision Force



John Bishop

NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE

HOR. SCALE: 1" = 20'
VERT. SCALE: 1" = 4'

WRECO
1243 ALPINE ROAD, SUITE 108
WALNUT CREEK, CA 94596
PH (925) 941-0017 FX (925) 941-0018

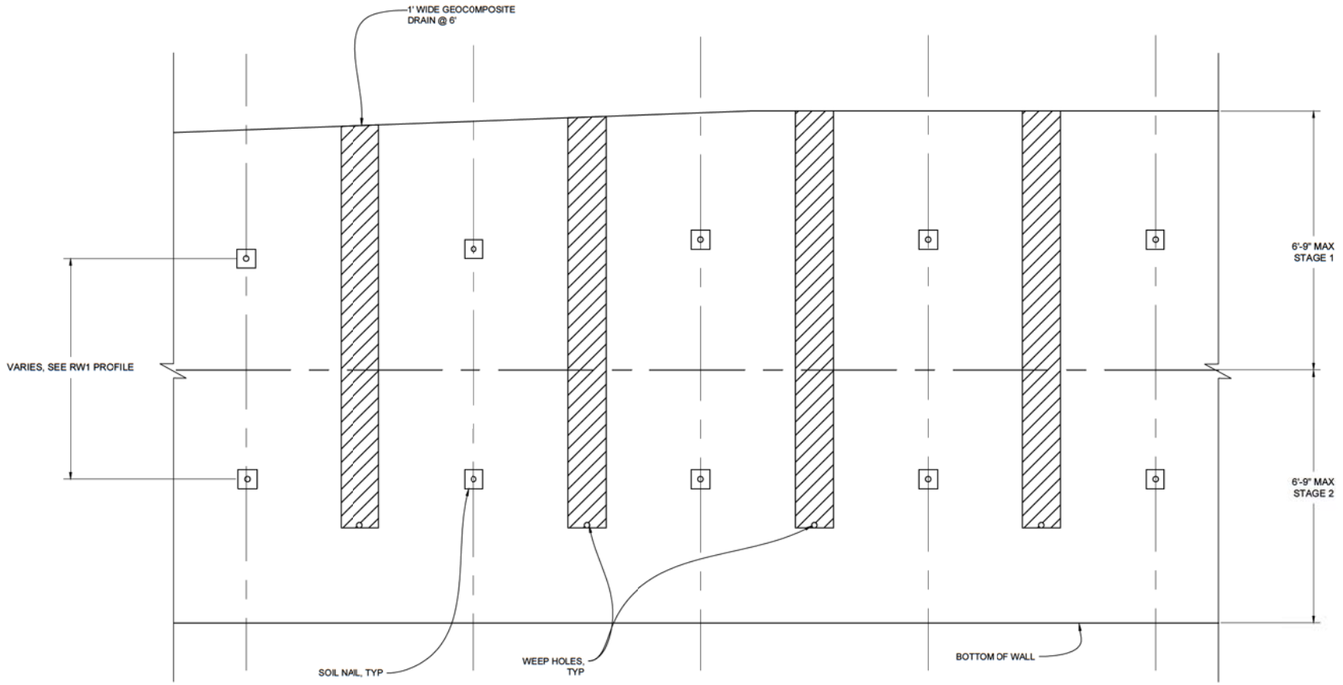
UPPER BROADWAY BIKE LANES
CIP# 41508
RW1 GENERAL PLAN
CITY OF PLACERVILLE CALIFORNIA

DRAWING INFO

DATE:	10-17-2019
DRAFTER:	TJM
DESIGNER:	JB
REVIEWER:	DK

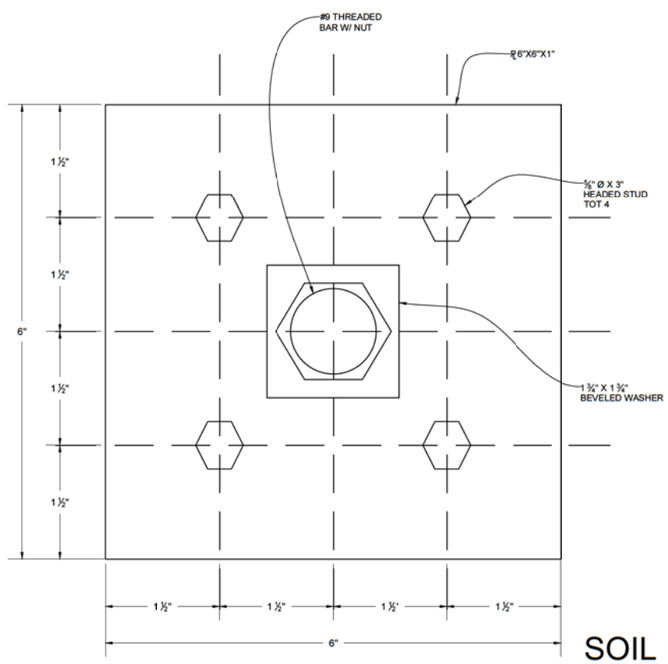
PROJECT NO.
6884.003
SHEET NO. **S1** OF **S15**

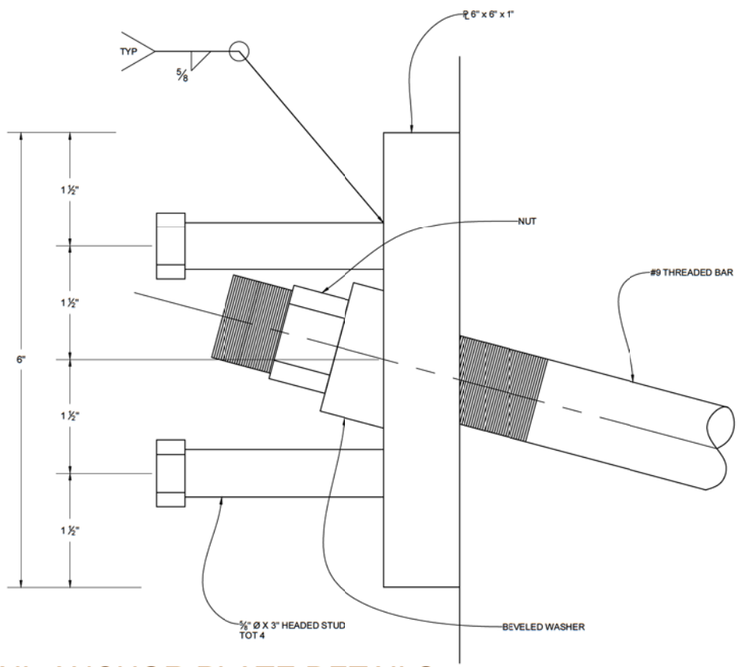
G:\Projects\Y2015\P15055 Upper Broadway Bike Lanes\Dwg\ba\WRECO - 3D BASE 20191017.dwg Oct 17, 2019 - 3:28pm, Thomas_Modoyog



SOIL NAIL WALL DETAILS

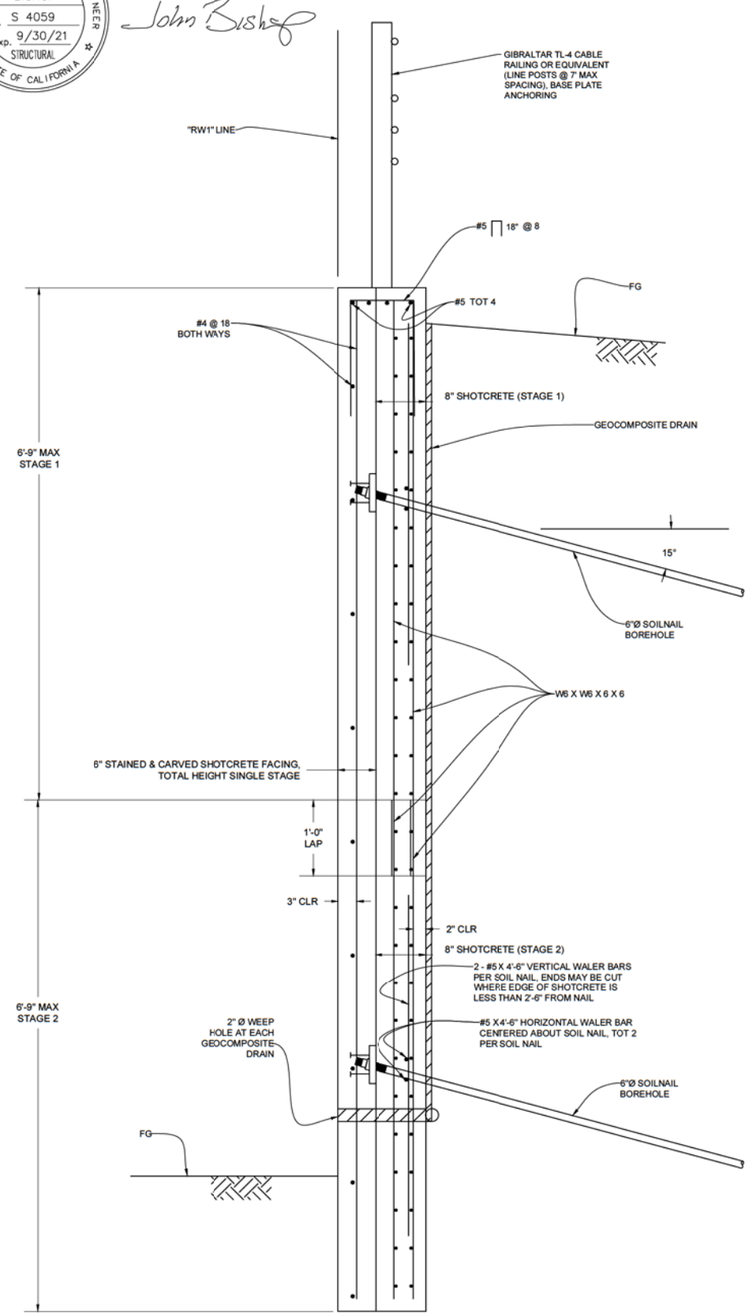
0 1' 2' 4'





SOIL NAIL ANCHOR PLATE DETAILS

0 1/2" 1" 2"



TYPICAL SECTION

0 1/2' 1' 2'

REGISTERED PROFESSIONAL ENGINEER
JOHN S. BISHOP
No. S 4059
Exp. 9/30/21
STRUCTURAL
STATE OF CALIFORNIA

John Bishop

NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: 1" = 20'
VERT. SCALE: 1" = 4'

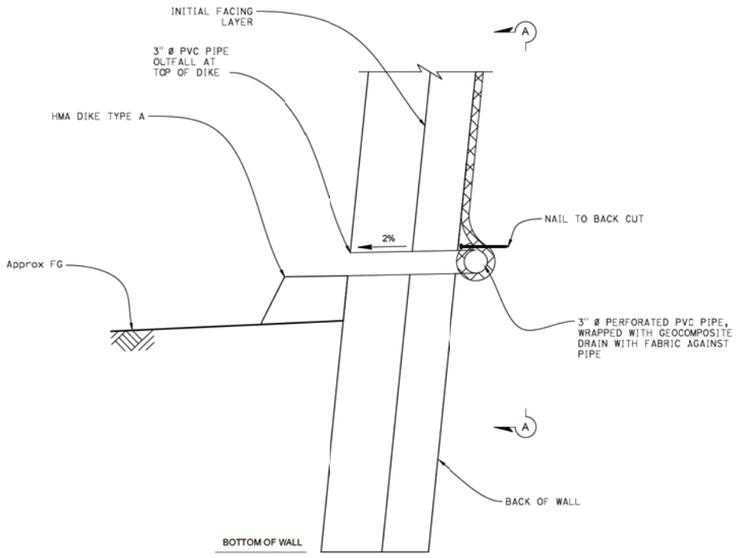
WRECO
1243 ALPINE ROAD, SUITE 108
WALNUT CREEK, CA 94596
PH (925) 941-0017 FX (925) 941-0018

UPPER BROADWAY BIKE LANES
CIP# 41508
RW1 DETAILS
CITY OF PLACERVILLE CALIFORNIA

DRAWING INFO
DATE: 10-17-2019
DRAFTER: TJM
DESIGNER: JB
REVIEWER: DK

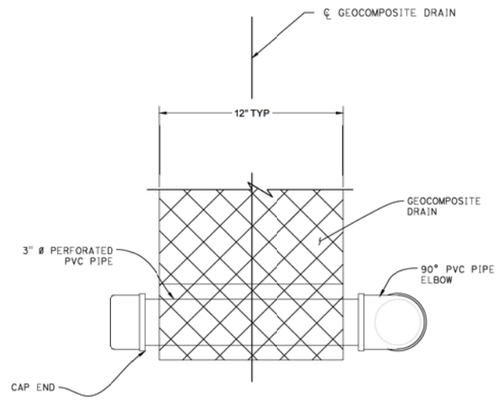
PROJECT NO.
6884.003
SHEET NO. **S2** OF **S15**

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WALL DRAIN DETAIL AT WEEP HOLE

No scale

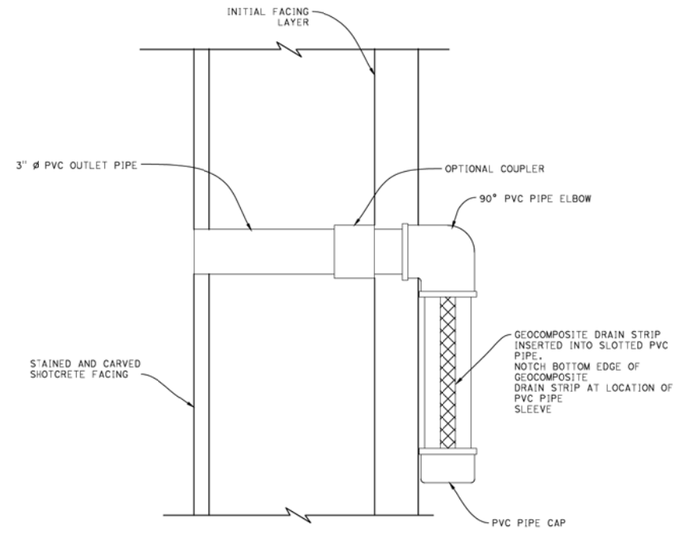


VIEW A-A

No scale

NOTES:

1. Geocomposite drain strip per Section 96 Geosynthetics of the Caltrans Standard Specifications



SECTION B-B

No Scale

REGISTERED PROFESSIONAL ENGINEER
JOHN S. BISHOP
No. S 4059
Exp. 9/30/21
STRUCTURAL
STATE OF CALIFORNIA

John Bishop

WALL DRAIN DETAILS

NO SCALE

NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: 1" = 20'
VERT. SCALE: 1" = 4'

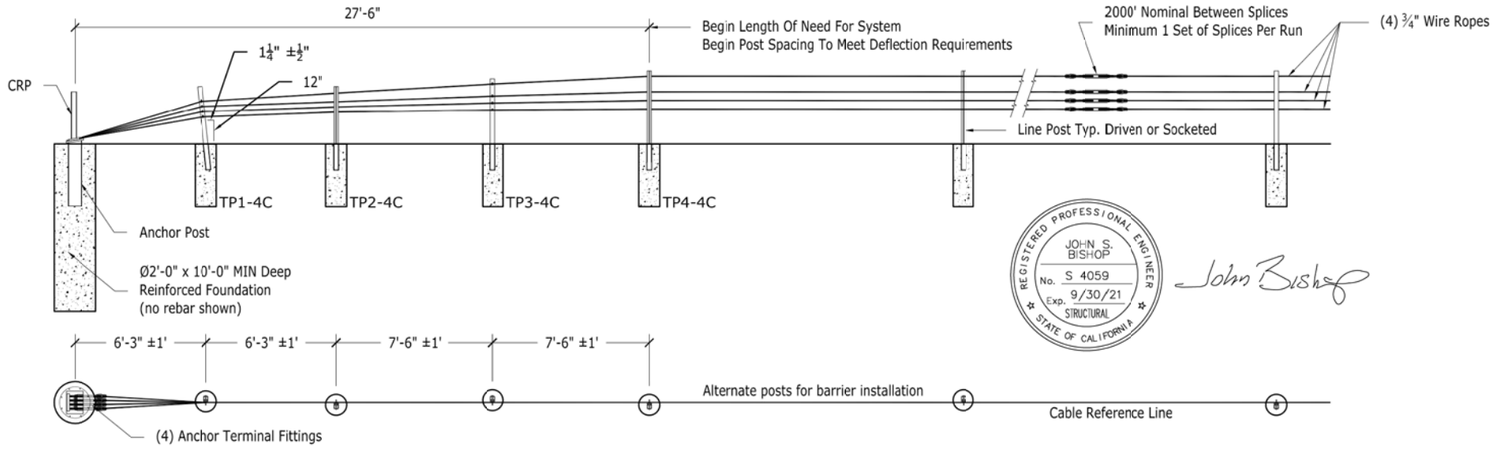
WRECO
1243 ALPINE ROAD, SUITE 108
WALNUT CREEK, CA 94596
PH (925) 941-0017 FX (925) 941-0018

UPPER BROADWAY BIKE LANES
CIP# 41508
RW1 WALL DRAIN DETAILS
CITY OF PLACERVILLE **CALIFORNIA**

DRAWING INFO
DATE: 10-17-2019
DRAFTER: TJM
DESIGNER: JB
REVIEWER: DK

PROJECT NO.
6884.003
SHEET NO. **S3** OF **S15**

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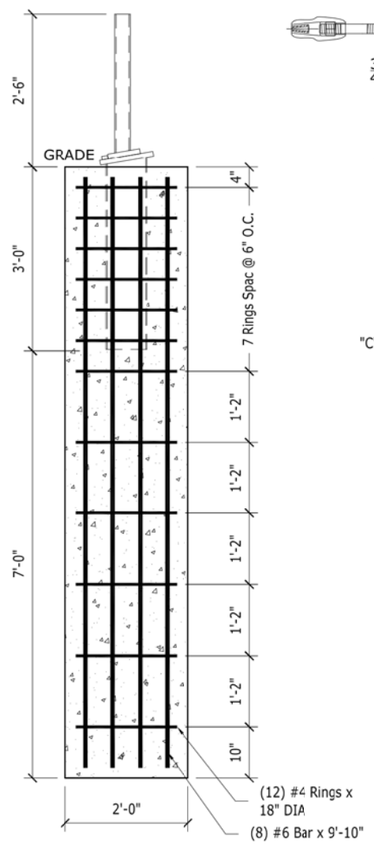


REGISTERED PROFESSIONAL ENGINEER
JOHN S. BISHOP
No. S 4059
9/30/21
Exp. STRUCTURAL
STATE OF CALIFORNIA

John Bishop

GENERAL NOTES:

1. For additional information contact Gibraltar, Inc. at 1-833-715-0810 or see the manufacturer's product manual.
2. All concrete shall be per specification; minimum 2500 PSI.
3. The Cable Barrier System shall be installed on shoulders or on medians with slopes of 6:1 or flatter. If installed on slopes steeper than 6:1 up to 4:1 the TL-4 system performs as a TL-3 and Gibraltar must be contacted for various guidelines related to placement.
4. The Cable Barrier System is accepted by the FHWA Test Level - 4.
5. See the specification for delineation.
6. Rock Clause: Where solid rock is encountered:
   - 6.A. For socketed post, continue digging 12" diameter, 15" deep into rock or the required plan depth, whichever comes first.
   - 6.B. For driven post, core drill a 4" diameter hole 18" deep into rock or the required plan depth, whichever comes first.
   - 6.C. For Anchor post, continue digging 24' diameter, 30" deep into rock or the required plan depth, whichever comes first.
7. Tolerances:
   - Linepost = 3"(max) out of plumb, at top
   - Cable height= ±1"
   - Anchor Post ± 5" off of Cable Reference Line
8. The Gibraltar cable barrier system shall be installed in NCHRP Report 350 standard compacted soil. Soil must be well drained.
9. All non-welded rebar by others.
10. Minimum recommended line post foundation.
    - 10.A. Without mowstrip, 36" Deep x 12" diameter foundations with #3 rebar ring x 8" diameter with two #4 rebar vertical bars 30" long or 30" welded rebar socket.
    - 10.B. With 4" minimum depth hot mix asphalt, 30" deep x 12" diameter foundations with #3 rebar ring x 8" diameter with two #4 rebar vertical bars 30" long or 30" welded rebar socket.
    - 10.C. With 3" minimum depth concrete mowstrip, 24" deep x 12" diameter foundations. (No rebar required).
    - 10.D. Direct drive driven post and driven socket 42" deep.



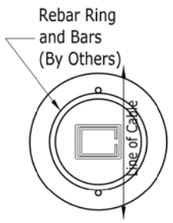
Cable Release & Anchor Post



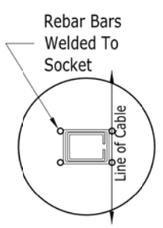
¾" MIN T/B Cable Splice Fitting



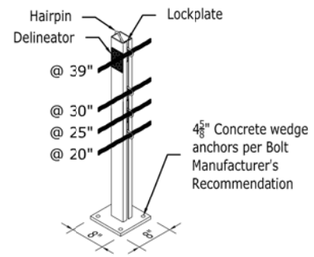
¾" MIN Terminal Fitting



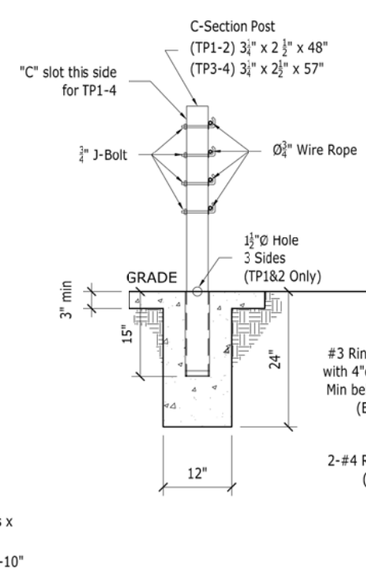
Section A



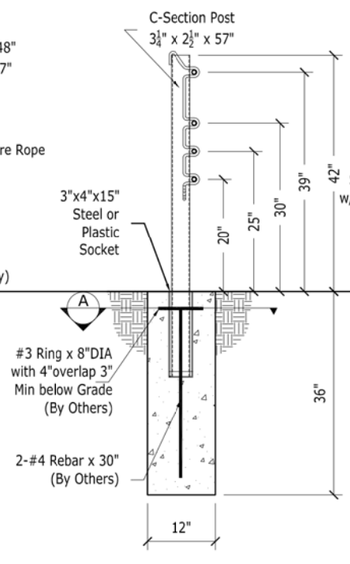
Section B



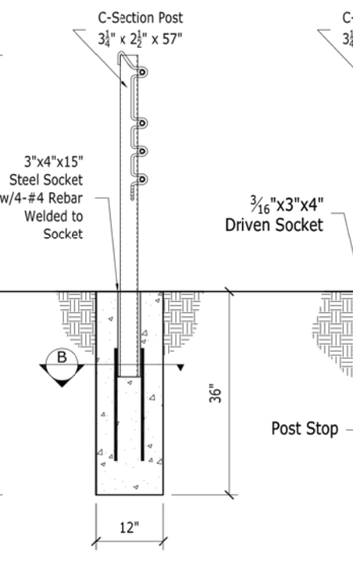
Line Post (BASE-PLATED OPTION)
Low-Fill Box Culvert-Less than 15" Fill



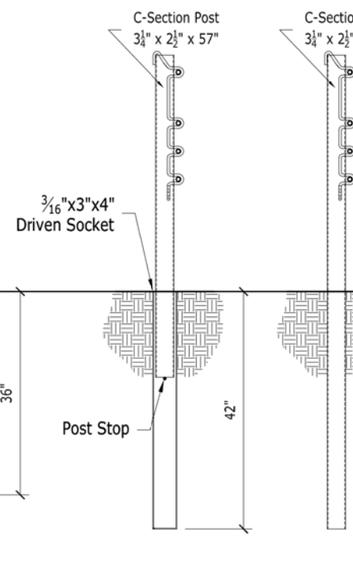
Terminal Post
(Shown with Concrete Mowstrip)



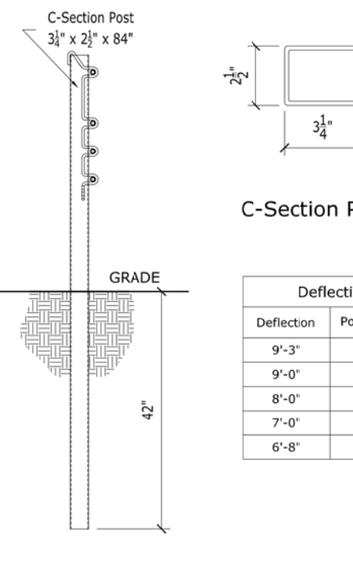
Line Post
(Rebar Ring/Bars Socket Option)



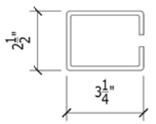
Line Post
(Welded Rebar Socket Option)



Line Post
(Driven Socket Option)



Line Post
(Driven Post Option)



C-Section Post

Deflection	
Deflection	Post Spacing
9'-3"	30 FT
9'-0"	28FT
8'-0"	20 FT
7'-0"	12 FT
6'-8"	10 FT

Cable Tension Chart*	
-10 °F	8000
0 °F	7600
10 °F	7200
20 °F	6800
30 °F	6400
40 °F	6000
50 °F	5600
60 °F	5200
70 °F	4800
80 °F	4400
90 °F	4000
100 °F	3600
110 °F	3200

*Allowable Deviation from Chart +/- 10%

NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: 1" = 20'
VERT. SCALE: 1" = 4'

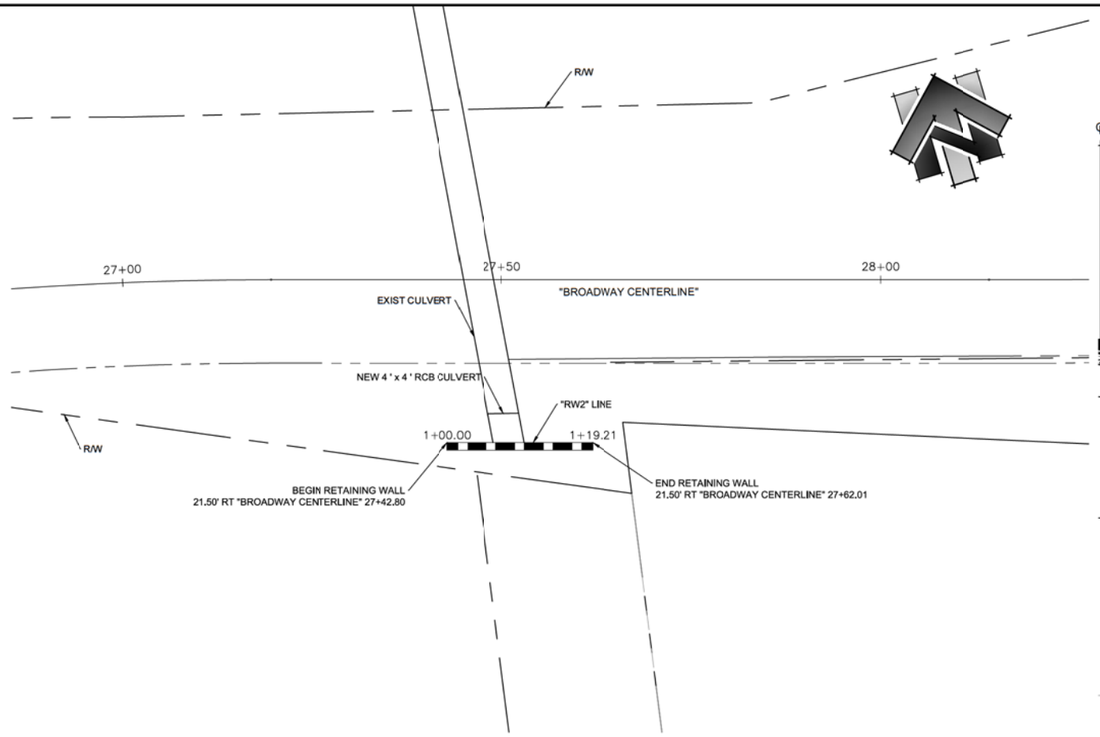
WRECO
1243 ALPINE ROAD, SUITE 108
WALNUT CREEK, CA 94596
PH (925) 941-0017 FX (925) 941-0018

UPPER BROADWAY BIKE LANES
CIP# 41508
RW1 CABLE RAILING
CITY OF PLACERVILLE CALIFORNIA

DRAWING INFO
DATE: 10-17-2019
DRAFTER: TJM
DESIGNER: JB
REVIEWER: DK

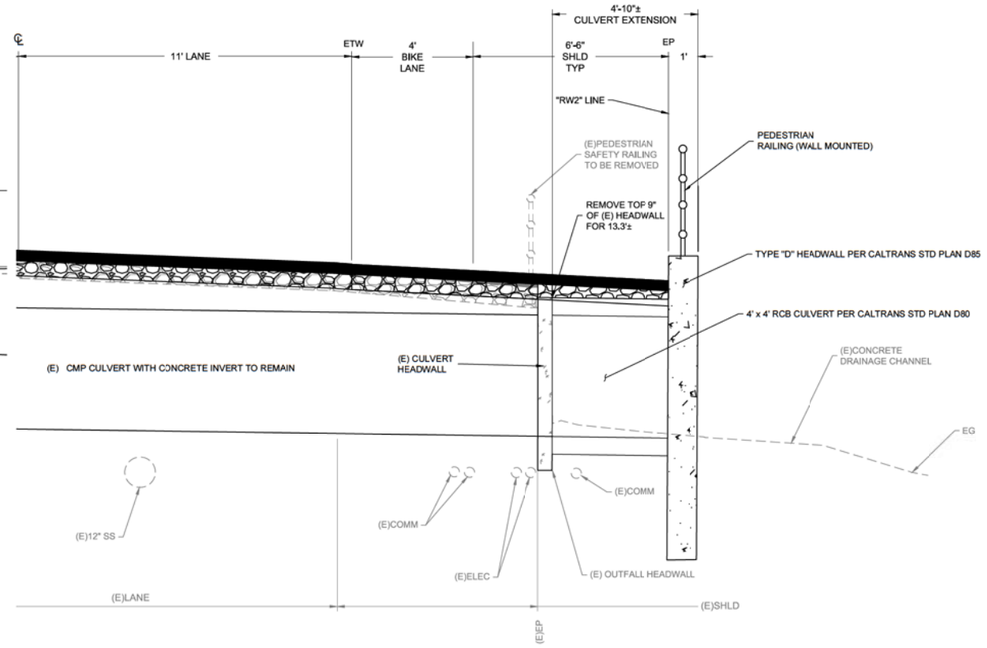
PROJECT NO.
6884.003
SHEET NO. **S4** OF **S15**

C:\Projects\Y2015\P15055 Upper Broadway Bike Lanes\Dwg\bs\WRECO - 3D BASE 20191017.dwg Oct 17, 2019 - 3:28pm, Thomas_Madoyog



PLAN

0 5' 10' 20'

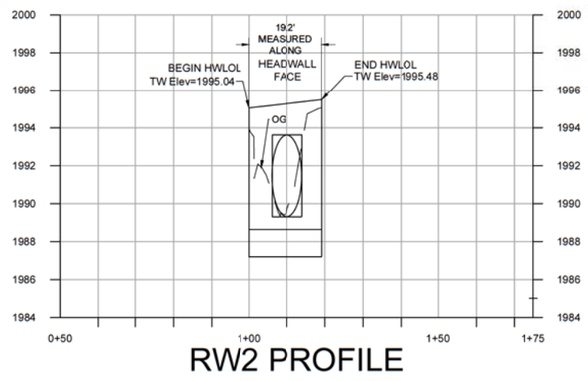


TYPICAL SECTION

NTS

NOTE:

CONTRACTOR SHALL REMOVE EXISTING CONCRETE LINING WITHIN CONSTRUCTION LIMITS TO CONSTRUCT RETAINING WALL



RW2 PROFILE

REGISTERED PROFESSIONAL ENGINEER
JOHN S. BISHOP
No. S 4059
Exp. 9/30/21
STRUCTURAL
STATE OF CALIFORNIA

John Bishop

NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: 1" = 10'
VERT. SCALE: 1" = 4'

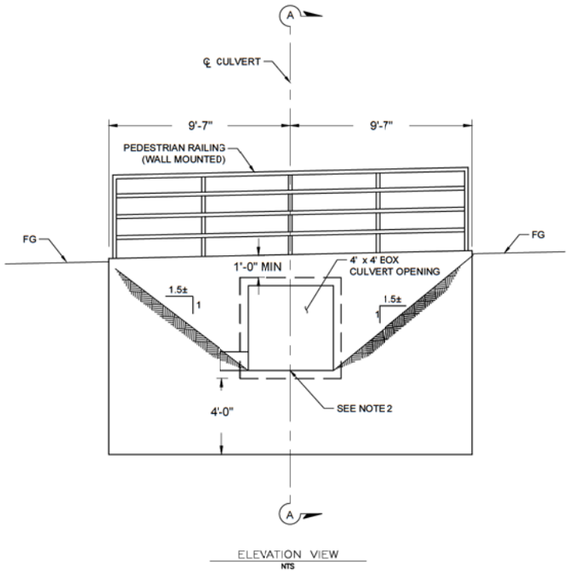
WRECO
1243 ALPINE ROAD, SUITE 108
WALNUT CREEK, CA 94596
PH (925) 941-0017 FX (925) 941-0018

UPPER BROADWAY BIKE LANES
CIP# 41508
RW2 GENERAL PLAN
CITY OF PLACERVILLE CALIFORNIA

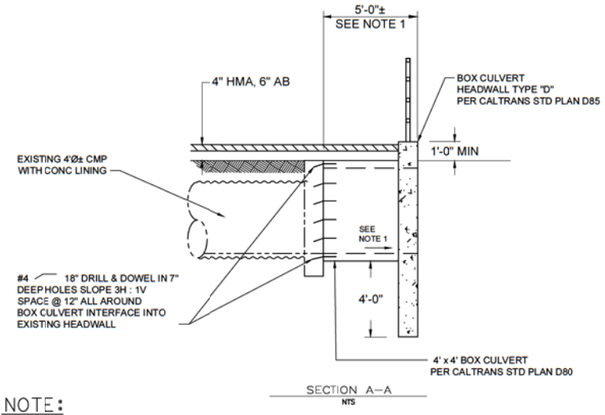
DRAWING INFO
DATE: 10-17-2019
DRAFTER: TJM
DESIGNER: JB
REVIEWER: DK

PROJECT NO.
6884.003
SHEET NO. **S5** OF **S15**

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ELEVATION VIEW
NTS



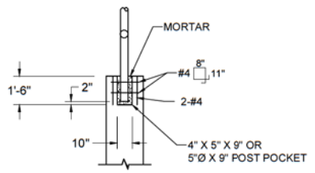
SECTION A–A
NTS

NOTE:

1. INVERT ELEVATION AND PROFILE GRADE OF CULVERT SHALL CONFORM TO EXISTING 48" CMP INVERT ELEVATION & PROFILE GRADE

RW2 BOX CULVERT OPENING

NTS



POST POCKET

NTS

NOTES:

1. LIMITS OF BOX CULVERT EXTENSION AND REMOVAL OF 4"± THICK AND 15'± WIDE CONCRETE LINING.
2. MATCH EXISTING PROFILE AND ELEVATION OF EXISTING CONCRETE LINED INVERT.
3. MORTAR PER CALTRANS STANDARD SPECIFICATIONS SECTION 83.
4. SEE PROJECT SPECIFICATIONS FOR PEDESTRIAN RAILING MANUFACTURER INFORMATION TO DETERMINE POST INTERVALS.
5. RAILING POSTS TO BE VERTICAL.
6. THE CONTRACTOR SHALL VERIFY ALL DEPENDENT DIMENSIONS IN THE FIELD BEFORE ORDERING OR FABRICATING ANY MATERIAL.
7. POST POCKETS SHALL BE CENTERED IN TOP OF WALL.

REGISTERED PROFESSIONAL ENGINEER
JOHN S. BISHOP
No. S 4059
Exp. 9/30/21
STRUCTURAL
STATE OF CALIFORNIA

John Bishop

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DRAWING SCALE
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VERT. SCALE: 1" = 4'

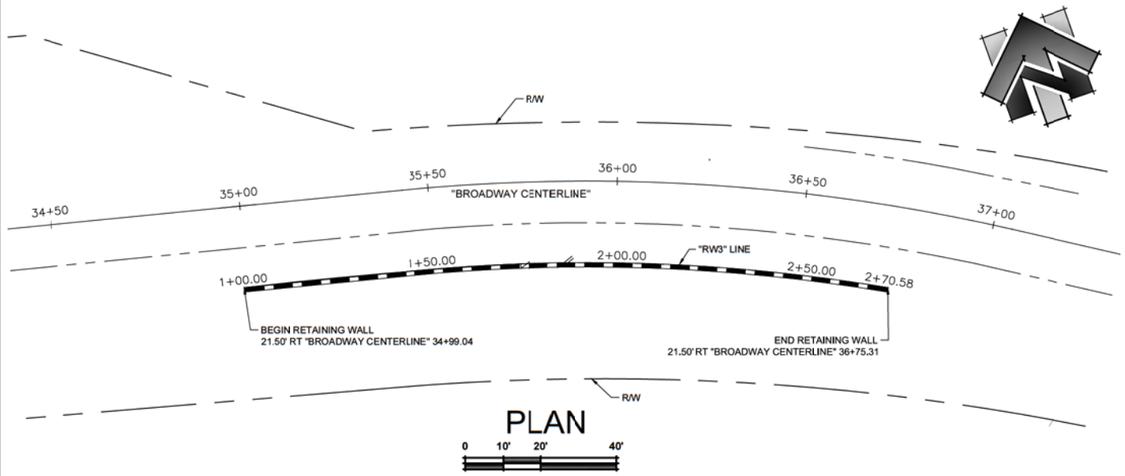
WRECO
1243 ALPINE ROAD, SUITE 108
WALNUT CREEK, CA 94596
PH (925) 941-0017 FX (925) 941-0018

UPPER BROADWAY BIKE LANES
CIP# 41508
RW2 DETAILS
CITY OF PLACERVILLE CALIFORNIA

DRAWING INFO
DATE: 10-17-2019
DRAFTER: TJM
DESIGNER: JB
REVIEWER: DK

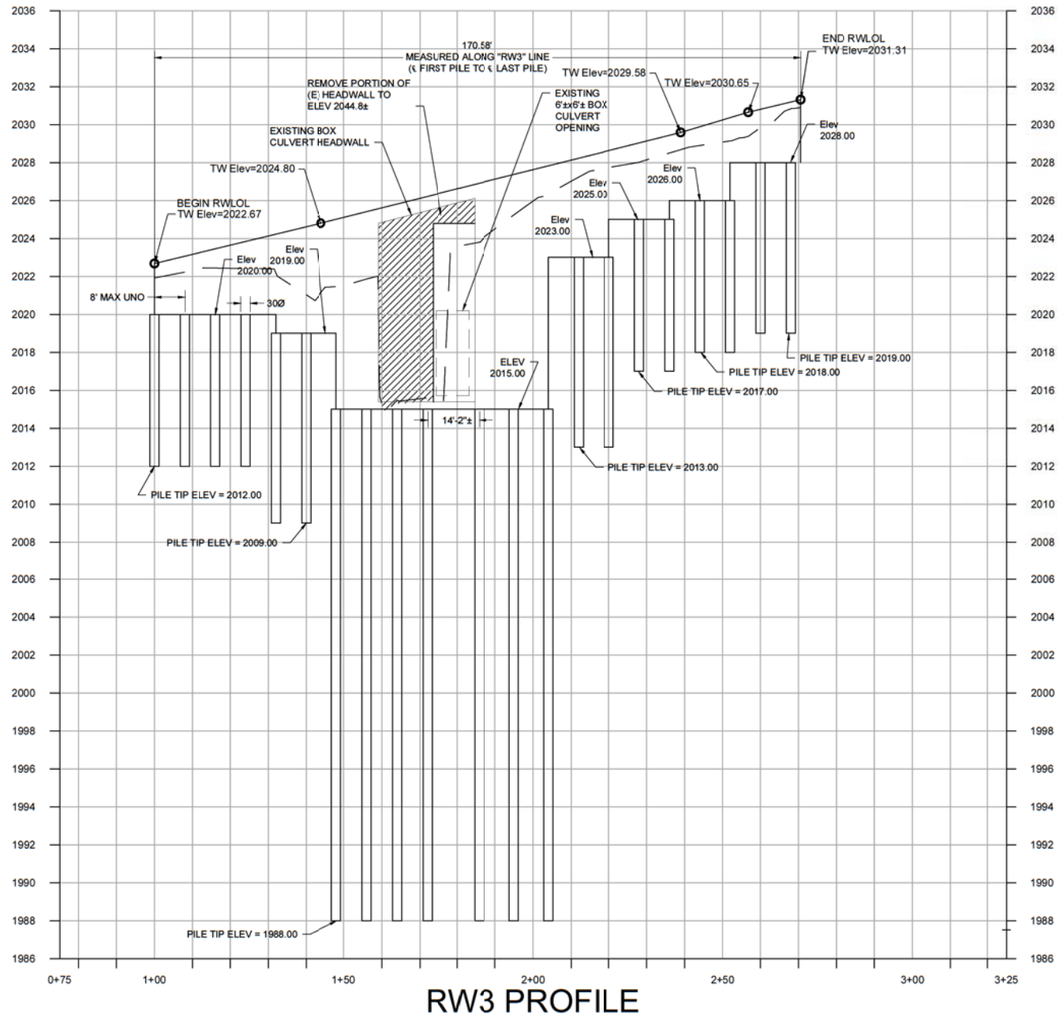
PROJECT NO.
6884.003
SHEET NO. **S6** OF **S15**

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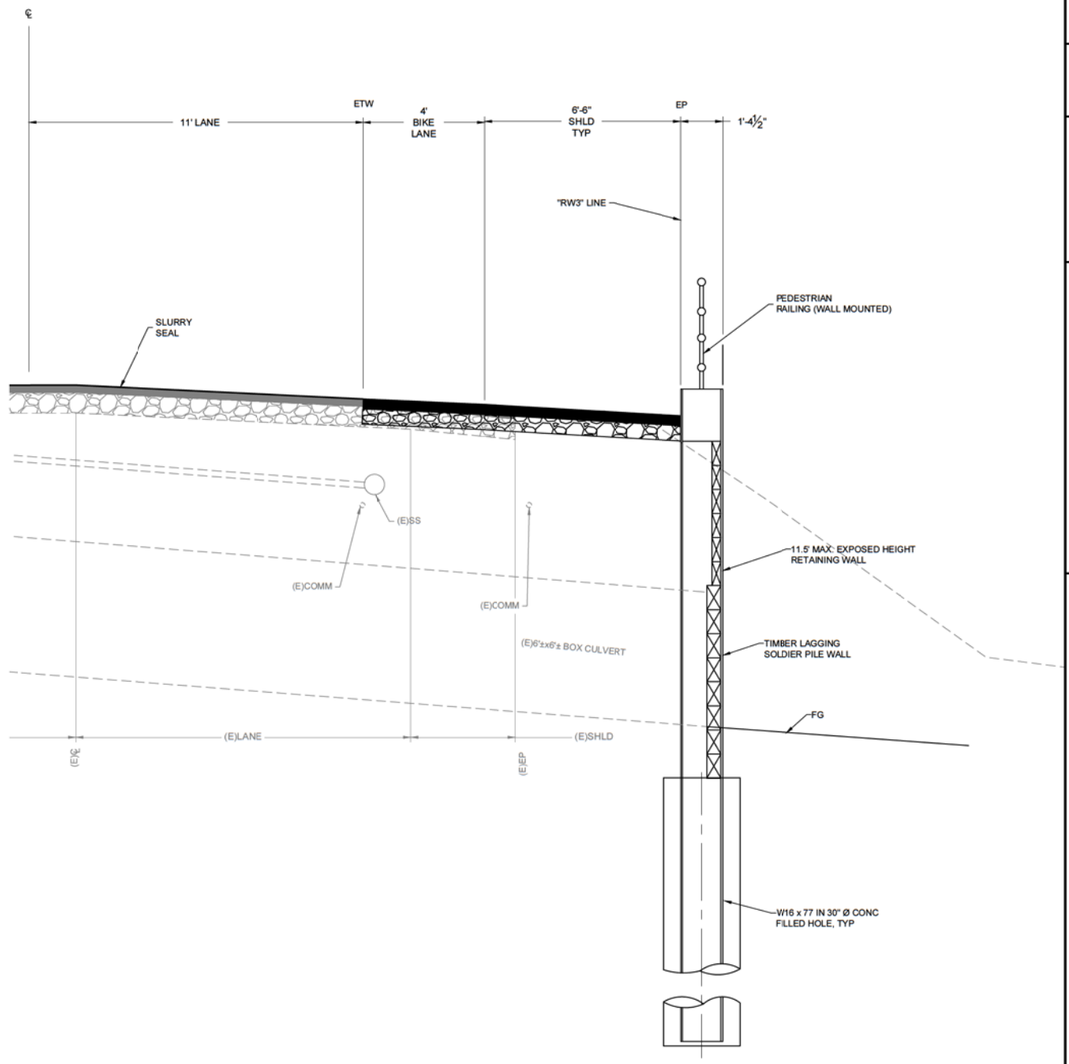


PLAN

0 10' 20' 40'



RW3 PROFILE



TYPICAL SECTION

NTS

REGISTERED PROFESSIONAL ENGINEER
JOHN S. BISHOP
No. S 4059
Exp. 9/30/21
STRUCTURAL
STATE OF CALIFORNIA

John Bishop

NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: 1" = 20'
VERT. SCALE: 1" = 4'

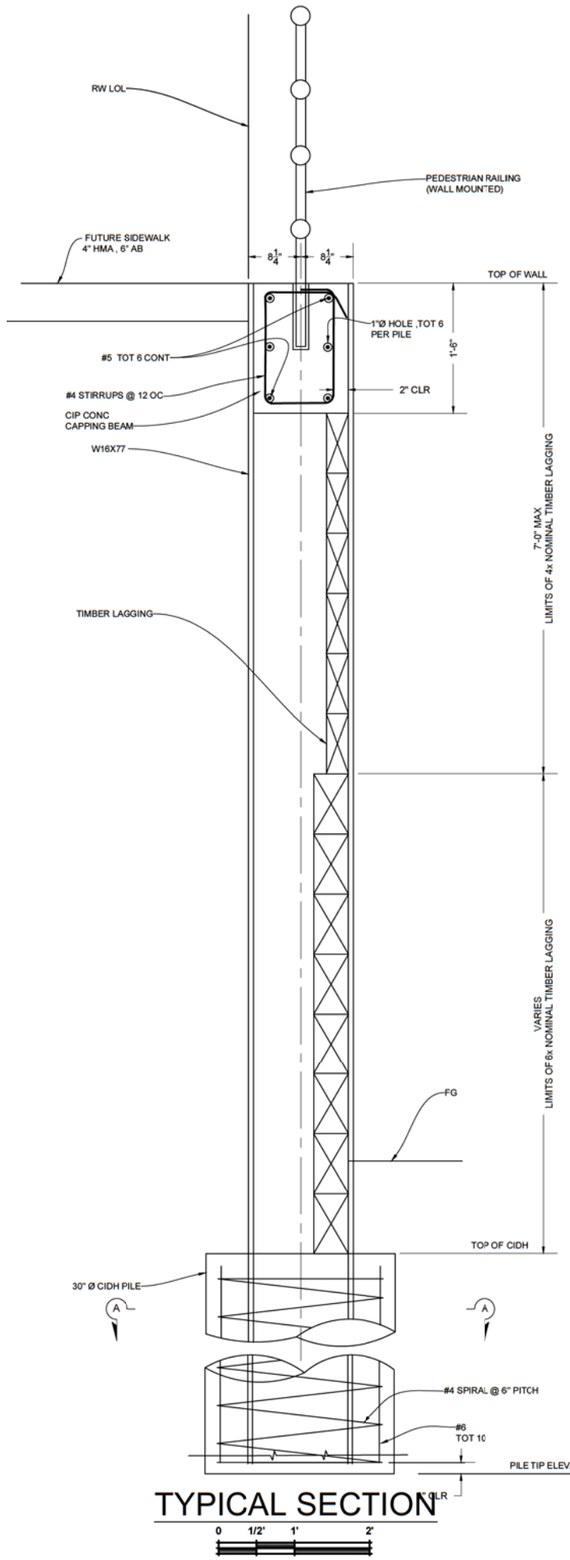
WRECO
1243 ALPINE ROAD, SUITE 108
WALNUT CREEK, CA 94596
PH (925) 941-0017 FX (925) 941-0018

UPPER BROADWAY BIKE LANES
CIP# 41508
RW3 GENERAL PLAN
CITY OF PLACERVILLE CALIFORNIA

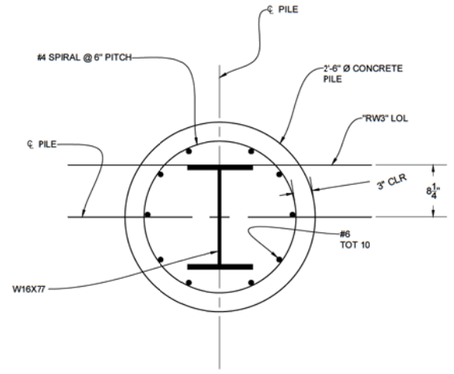
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DATE: 10-17-2019
DRAFTER: TJM
DESIGNER: JB
REVIEWER: DK

PROJECT NO.
6884.003
SHEET NO. **S7** OF **S15**

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TYPICAL SECTION



SECTION A - A

0 1/2' 1' 2'

PART PLAN AT BOX CULVERT

0 1/2' 1' 2'

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JOHN S. BISHOP
No. S 4059
Exp. 9/30/21
STRUCTURAL
STATE OF CALIFORNIA

John Bishop

NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
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VERT. SCALE: 1" = 4'

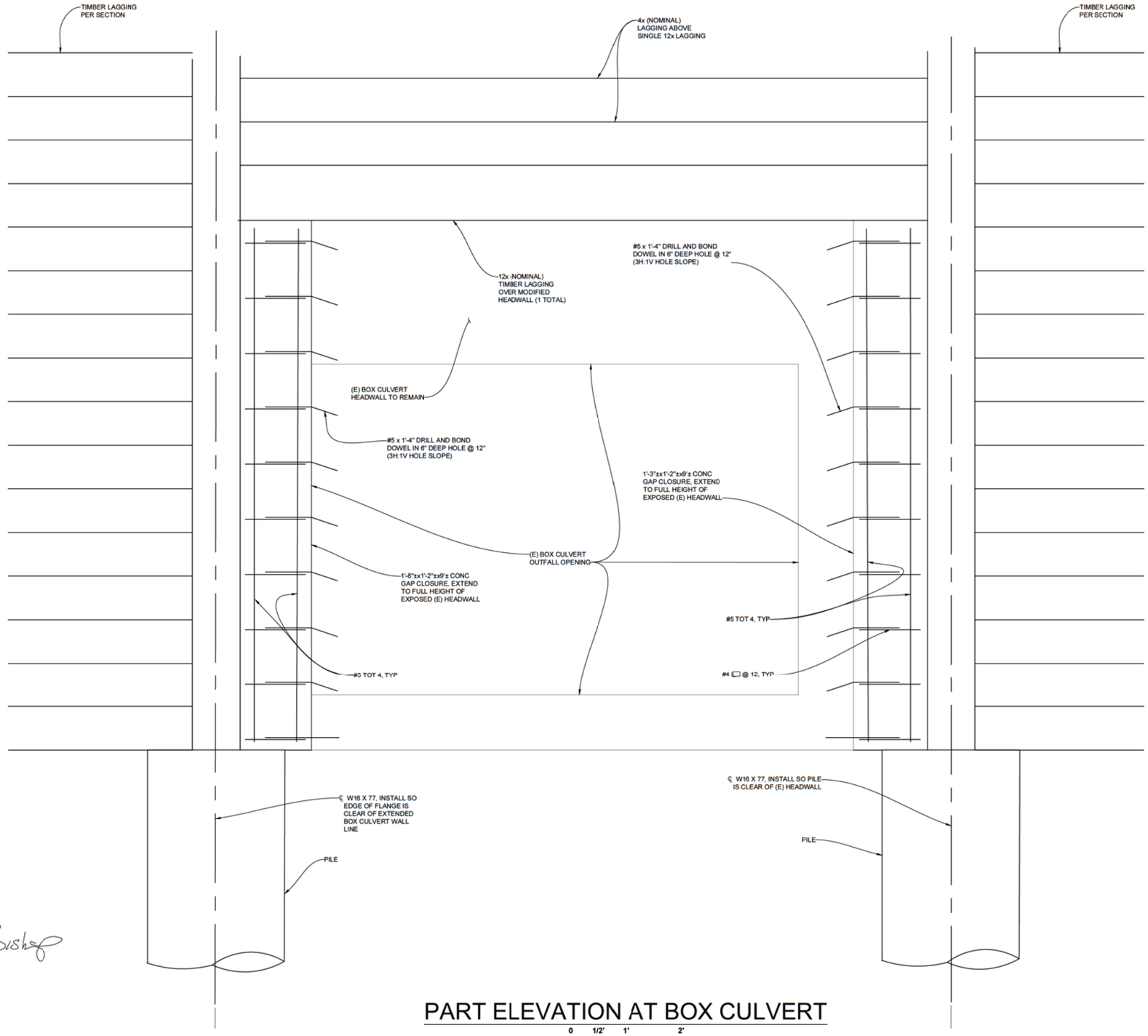
WRECO
1243 ALPINE ROAD, SUITE 108
WALNUT CREEK, CA 94596
PH (925) 941-0017 FX (925) 941-0018

UPPER BROADWAY BIKE LANES
CIP# 41508
RW3 DETAILS NO. 1
CALIFORNIA
CITY OF PLACERVILLE

DRAWING INFO
DATE: 10-17-2019
DRAFTER: TJM
DESIGNER: JB
REVIEWER: DK

PROJECT NO. 6884.003
SHEET NO. S8 OF S15

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JOHN S. BISHOP
No. S 4059
Exp. 9/30/21
STRUCTURAL
STATE OF CALIFORNIA

John Bishop

PART ELEVATION AT BOX CULVERT

0 1/2' 1' 2'

NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: 1" = 20'
VERT. SCALE: 1" = 4'

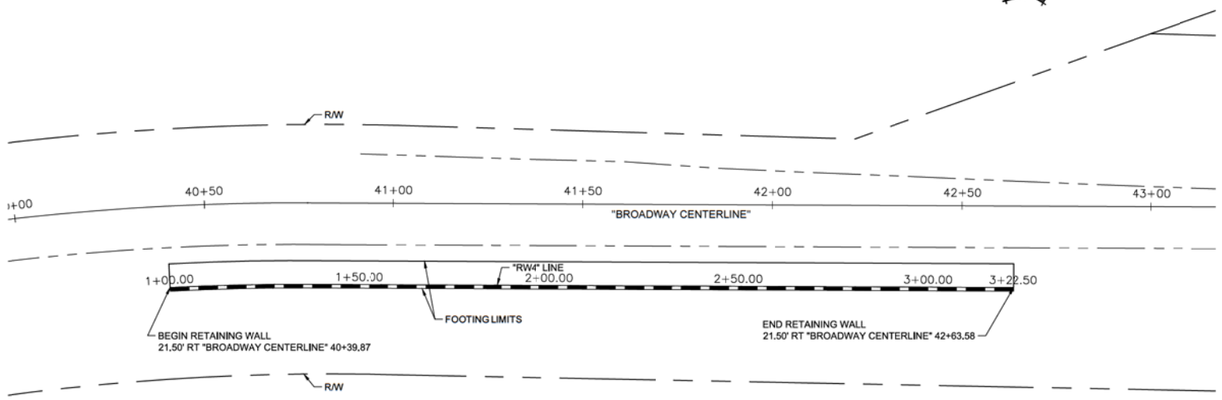
WRECO
1243 ALPINE ROAD, SUITE 108
WALNUT CREEK, CA 94596
PH (925) 941-0017 FX (925) 941-0018

UPPER BROADWAY BIKE LANES
CIP# 41508
RW3 DETAILS NO. 2
CITY OF PLACERVILLE CALIFORNIA

DRAWING INFO
DATE: 10-17-2019
DRAFTER: TJM
DESIGNER: JB
REVIEWER: DK

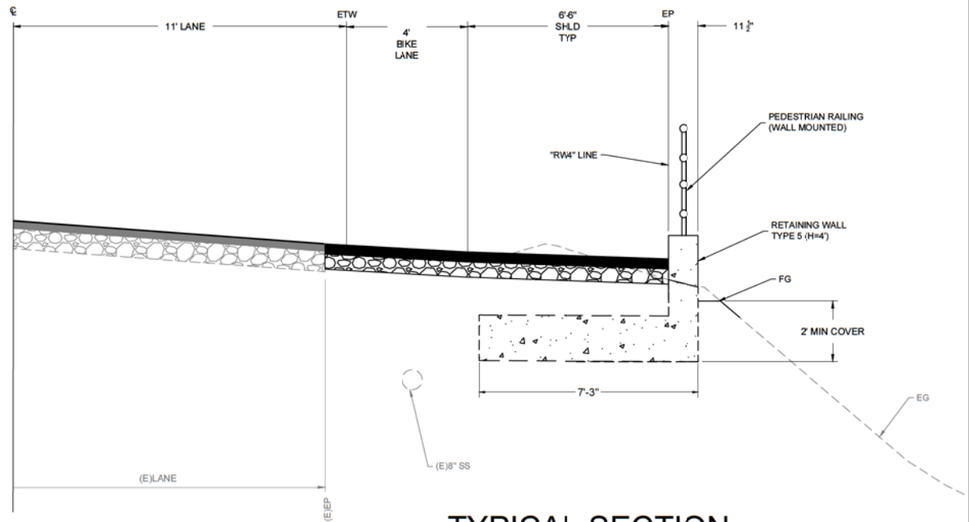
PROJECT NO. **6884.003**
SHEET NO. **S9** OF **S15**

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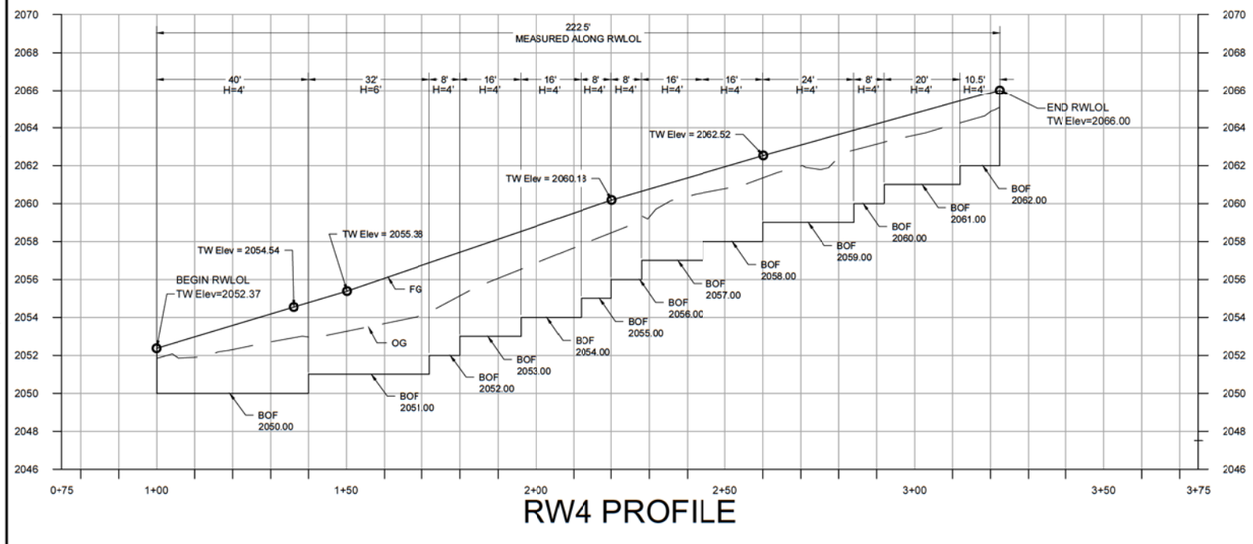
PLAN

0 10' 20' 40'

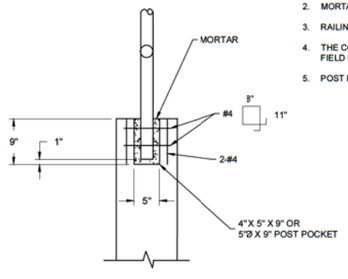


TYPICAL SECTION

NTS



RW4 PROFILE



POST POCKET

NTS

NOTES:

1. SEE PROJECT SPECIFICATIONS FOR PEDESTRIAN RAILING MANUFACTURER INFORMATION TO DETERMINE POST INTERVALS.
2. MORTAR PER CALTRANS STANDARD SPECIFICATIONS SECTION 83.
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REGISTERED PROFESSIONAL ENGINEER
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Exp. 9/30/21
STRUCTURAL
STATE OF CALIFORNIA

John Bishop

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DRAWING SCALE
HOR. SCALE: 1" = 20'
VERT. SCALE: 1" = 4'

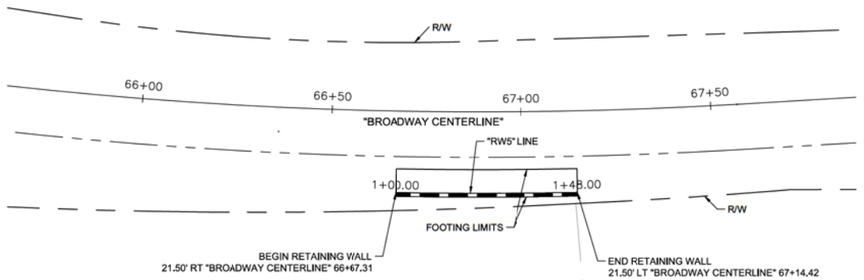
WRECO
1243 ALPINE ROAD, SUITE 108
WALNUT CREEK, CA 94596
PH (925) 941-0017 FX (925) 941-0018

UPPER BROADWAY BIKE LANES
CIP# 41508
RW4 GENERAL PLAN
CITY OF PLACERVILLE CALIFORNIA

DRAWING INFO
DATE: 10-17-2019
DRAFTER: TJM
DESIGNER: JB
REVIEWER: DK

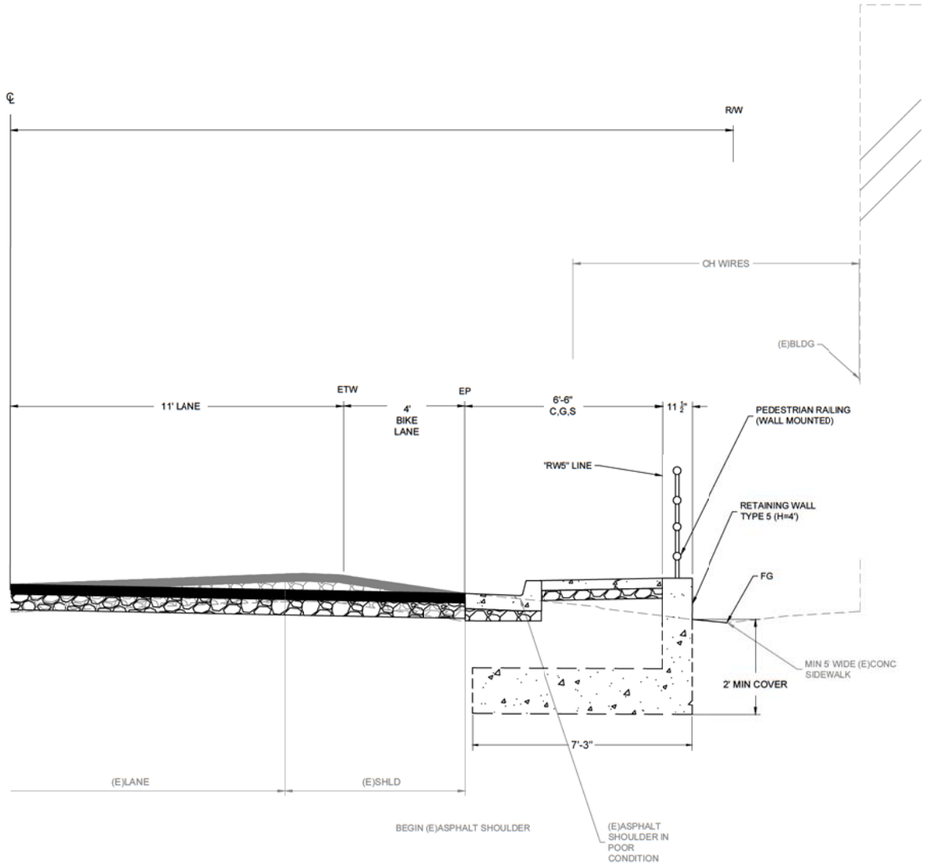
PROJECT NO.
6884.003
SHEET NO. 10 OF 15

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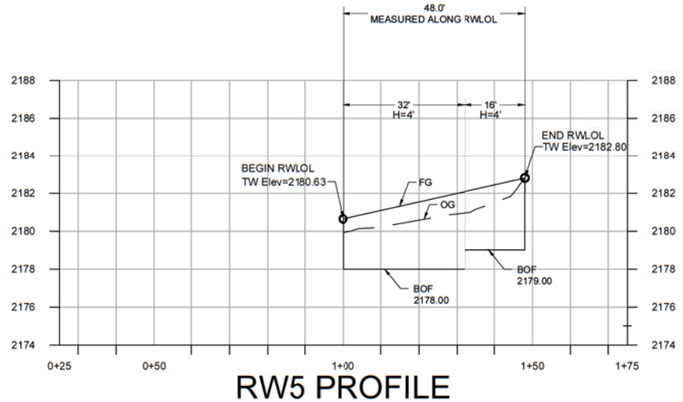
PLAN

0 10' 20' 40'

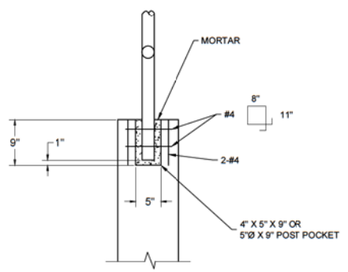


TYPICAL SECTION

NTS



RW5 PROFILE



TPOST POCKET

NTS

NOTES:

1. SEE PROJECT SPECIFICATIONS FOR PEDESTRIAN RAILING MANUFACTURER INFORMATION TO DETERMINE POST INTERVALS.
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REGISTERED PROFESSIONAL ENGINEER
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No. S 4059
Exp. 9/30/21
STRUCTURAL
STATE OF CALIFORNIA

John Bishop

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DRAWING SCALE
HOR. SCALE: 1" = 20'
VERT. SCALE: 1" = 4'

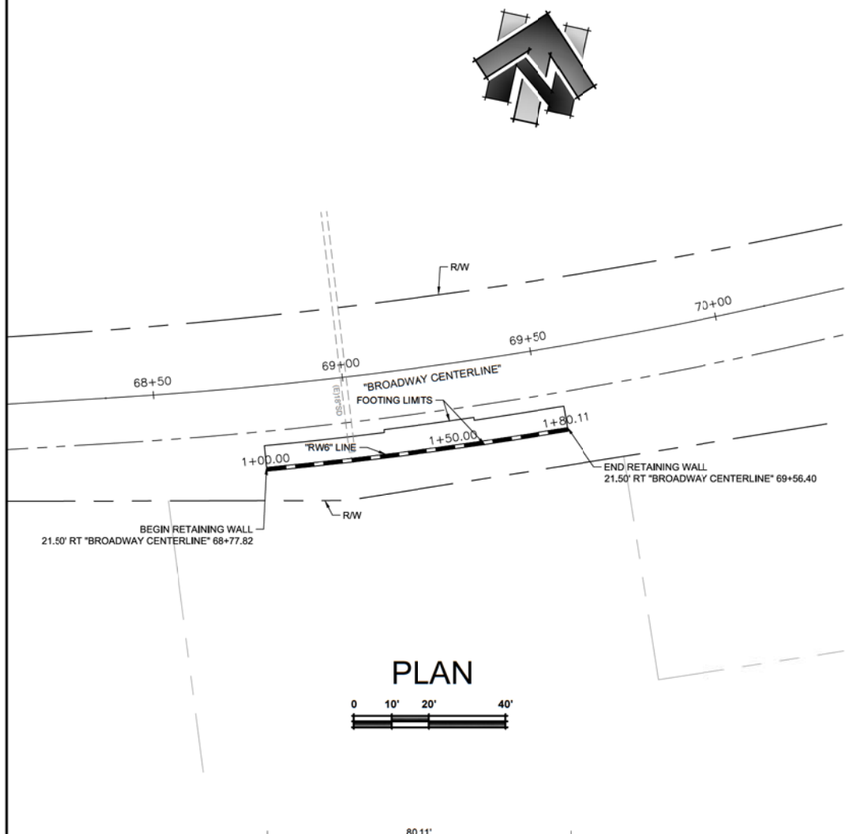
WRECO
1243 ALPINE ROAD, SUITE 108
WALNUT CREEK, CA 94596
PH (925) 941-0017 FX (925) 941-0018

UPPER BROADWAY BIKE LANES
CIP# 41508
RW5 GENERAL PLAN
CITY OF PLACERVILLE CALIFORNIA

DRAWING INFO
DATE: 10-17-2019
DRAFTER: TJM
DESIGNER: JB
REVIEWER: DK

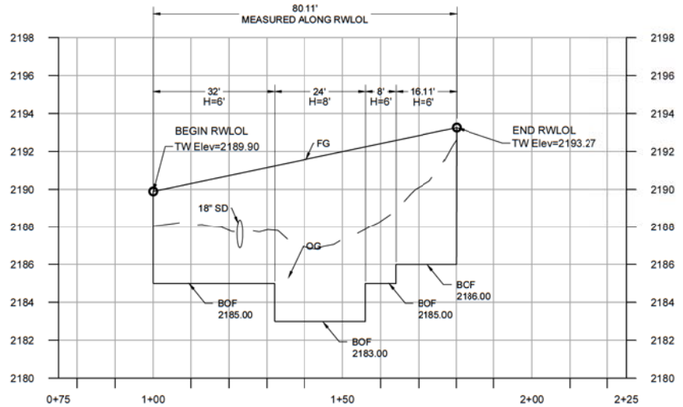
PROJECT NO.
6884.003
SHEET NO. **S11** OF **S15**

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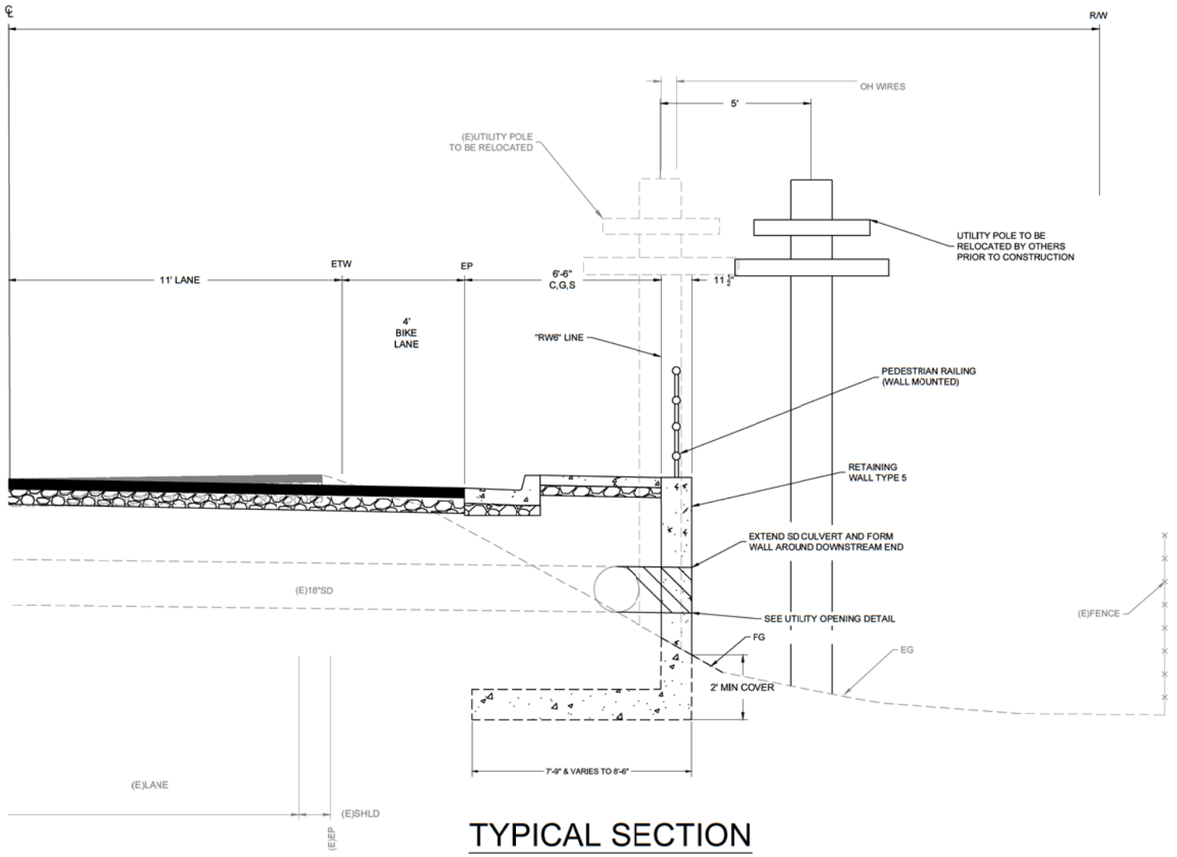


PLAN

0 10' 20' 40'

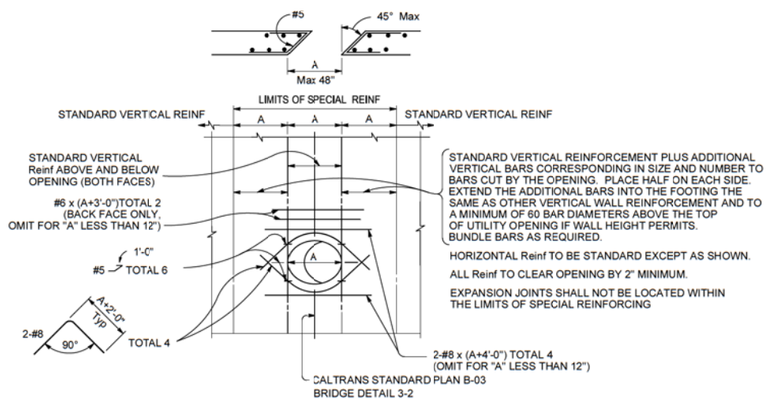


RW6 PROFILE



TYPICAL SECTION

NTS

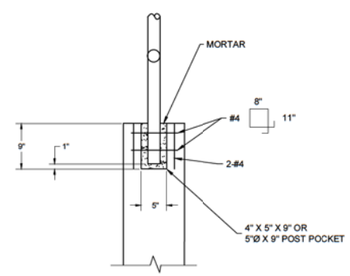


RETAINING WALL STORM DRAIN OPENING

NTS

NOTES:

1. SEE PROJECT SPECIFICATIONS FOR PEDESTRIAN RAILING MANUFACTURER INFORMATION TO DETERMINE POST INTERVALS.
2. MORTAR PER CALTRANS STANDARD SPECIFICATIONS SECTION 83.
3. RAILING POSTS TO BE VERTICAL.
4. THE CONTRACTOR SHALL VERIFY ALL DEPENDENT DIMENSIONS IN THE FIELD BEFORE ORDERING OR FABRICATING ANY MATERIAL.
5. POST POCKETS SHALL BE CENTERED IN TOP OF WALL.



POST POCKET

NTS

REGISTERED PROFESSIONAL ENGINEER
JOHN S. BISHOP
No. S 4059
Exp. 9/30/21
STRUCTURAL
STATE OF CALIFORNIA

John Bishop

NO.	REVISION DESCRIPTION	CHECKED BY	DATE

DRAWING SCALE
HOR. SCALE: 1" = 20'
VERT. SCALE: 1" = 4'

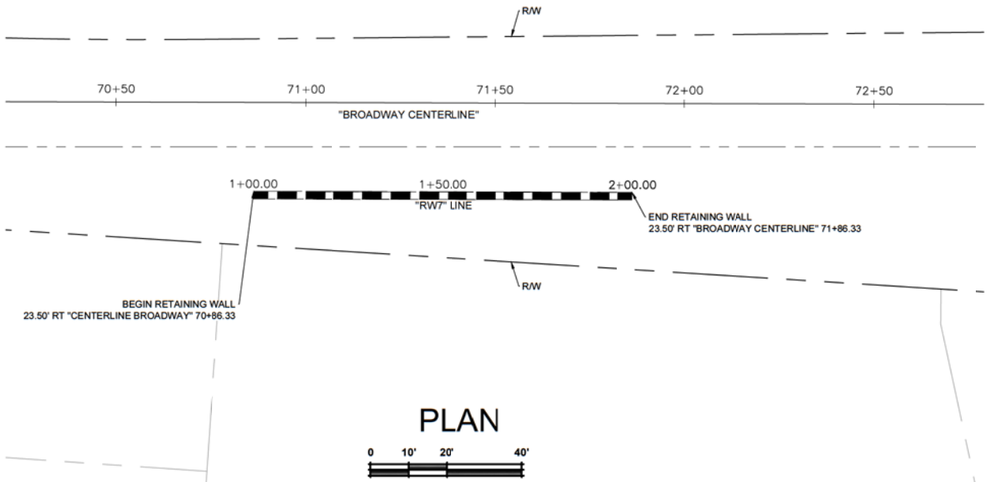
WRECO
1243 ALPINE ROAD, SUITE 108
WALNUT CREEK, CA 94596
PH (925) 941-0017 FX (925) 941-0018

UPPER BROADWAY BIKE LANES
CIP# 41508
RW6 GENERAL PLAN
CITY OF PLACERVILLE CALIFORNIA

DRAWING INFO
DATE: 10-17-2019
DRAFTER: TJM
DESIGNER: JB
REVIEWER: DK

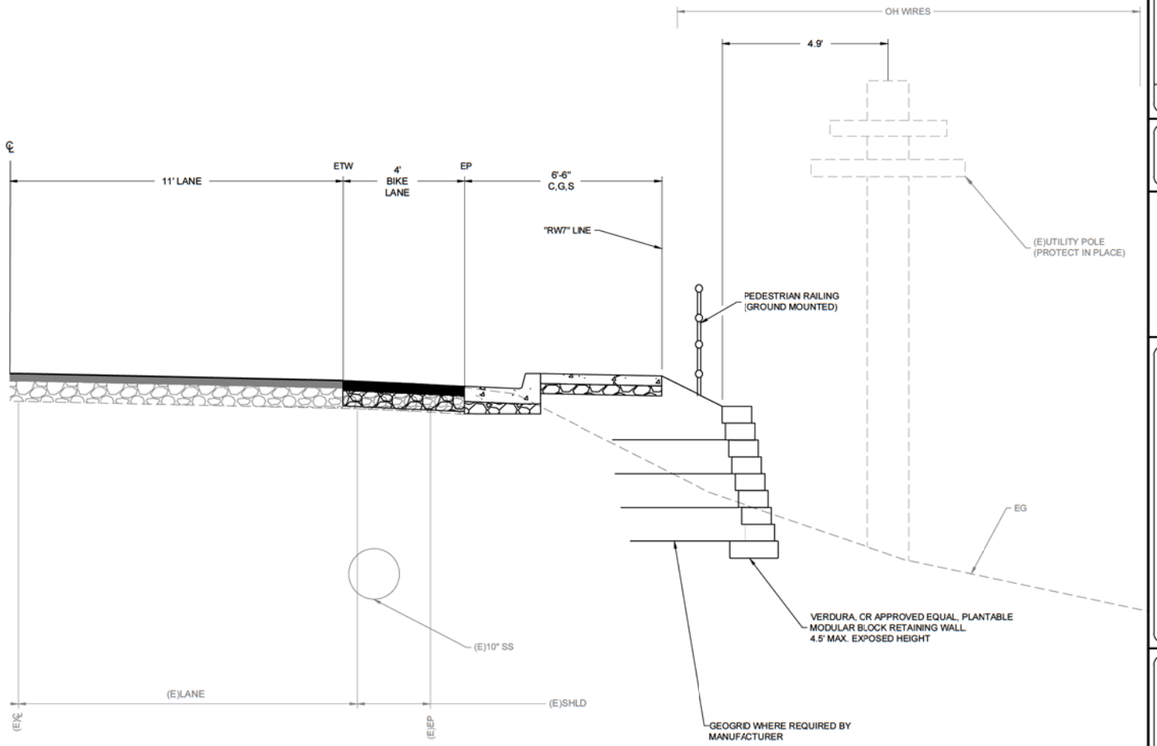
PROJECT NO.
6884.003
SHEET NO. **S12** OF **S15**

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PLAN

0 10' 20' 40'

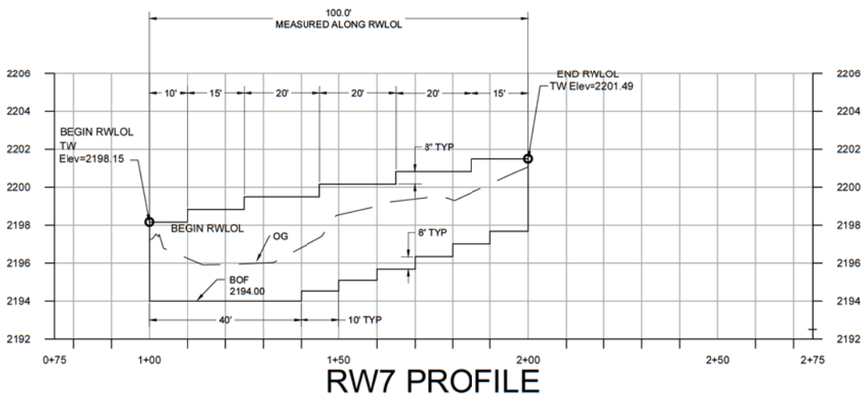


TYPICAL SECTION

NTS

NOTE:

1. FINAL DIMENSIONS SHALL BE BASED ON MULTIPLES OF BLOCK DIMENSIONS AND INSTALLATION PROCEDURES PER THE MANUFACTURER.



RW7 PROFILE

REGISTERED PROFESSIONAL ENGINEER
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No. S 4059
Exp. 9/30/21
STRUCTURAL
STATE OF CALIFORNIA

John Bishop

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DRAWING SCALE
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VERT. SCALE: 1" = 4'

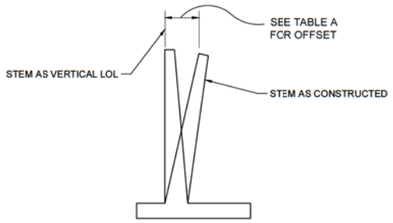
WRECO
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WALNUT CREEK, CA 94596
PH (925) 941-0017 FX (925) 941-0018

UPPER BROADWAY BIKE LANES
CIP# 41508
RW7 GENERAL PLAN
CITY OF PLACERVILLE CALIFORNIA

DRAWING INFO
DATE: 10-17-2019
DRAFTER: TJM
DESIGNER: JB
REVIEWER: DK

PROJECT NO.
6884.003
SHEET NO. **S13** OF **S15**

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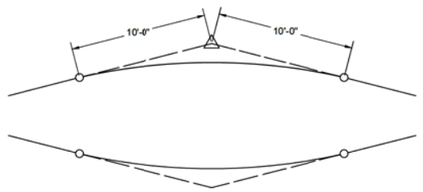


APPROXIMATE WALL OFFSET VALUES

Values for offseting forms to be determined by the Engineer.

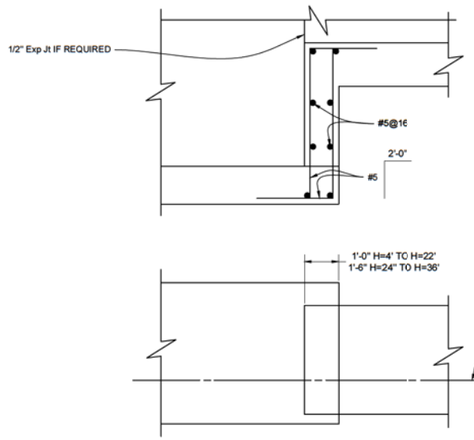
TABLE A

H	OFFSET
4'-12'	$\frac{H}{200}$

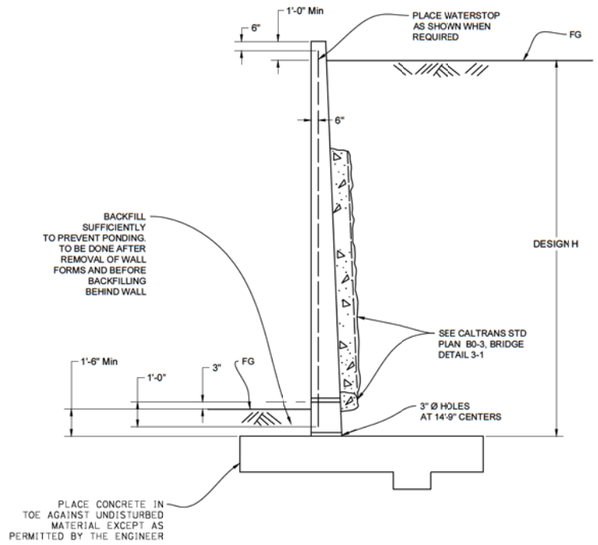


20'-0" VC AT TOP OF WALL SLOPE CHANGE

Where shown on the plans



FOOTING STEP



DESIGN AND DRAINAGE

RETAINING WALL DETAILS

NO SCALE

REGISTERED PROFESSIONAL ENGINEER
JOHN S. BISHOP
No. S 4059
Exp. 9/30/21
STRUCTURAL
STATE OF CALIFORNIA

John Bishop

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HOR. SCALE: 1" = 20'
VERT. SCALE: 1" = 4'

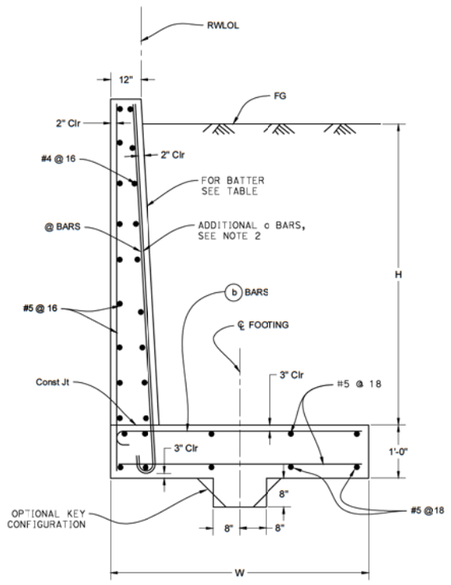
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PH (925) 941-0017 FX (925) 941-0018

UPPER BROADWAY BIKE LANES
CIP# 41508
RW 5 AND RW6 WALL DETAILS NO. 1
CITY OF PLACERVILLE **CALIFORNIA**

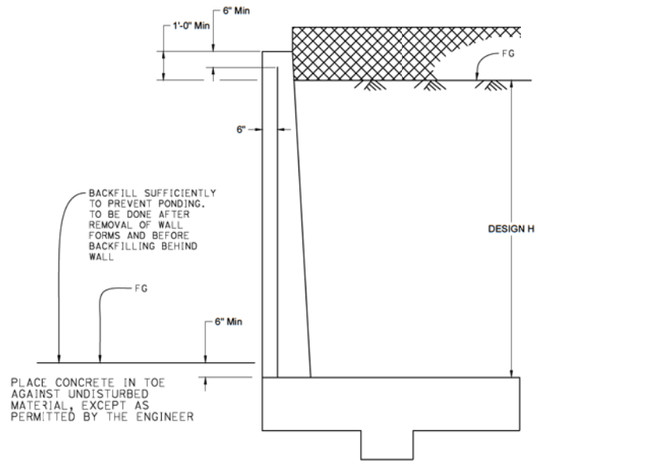
DRAWING INFO
DATE: 10-17-2019
DRAFTER: TJM
DESIGNER: JB
REVIEWER: DK

PROJECT NO.
6884.003
SHEET NO. **S14** OF **S15**

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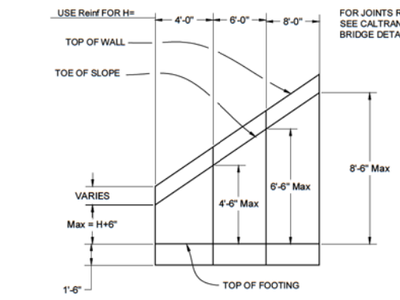


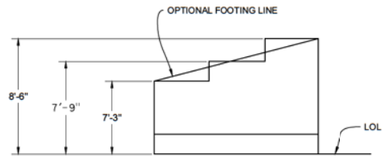
SPREAD FOOTING SECTION



FOR DRAINAGE NOTES AND OTHER DETAILS,
SEE CALTRANS STD PLAN B3-5

DESIGN SECTION





TYPICAL LAYOUT EXAMPLE

DESIGN CONDITIONS:

Design H may be exceeded by 6" before going to the next size.
Special footing design is required where foundation material
is incapable of supporting bearing stress listed in the table.

DESIGN NOTES:

DESIGN:	AASHTO LRFD Bridge Design Specifications, 4th Edition with California Amendments
LS:	Varied surcharge on level ground surface
DC:	Stem Architectural Treatment of thickness up to 6" of concrete (75 psf) considered
CT:	54 kip transverse force applied at He = 32", distributed over 10 feet at the top of wall and 1 : 1 distribution down and outward. Distribution below footing taken no less than 40'.
SEISMIC:	k_h= 0.2 k_v= 0.0
SOIL:	Φ = 34° γ = 120 pcf
REINFORCED CONCRETE:	f'c = 3,600 psi fy = 60,000 psi

LOAD COMBINATIONS AND LIMIT STATES:

Service I Q = 1.00DC+1.00EV+1.00EH+1.00LS

Strength I Q = α DC+βEV+1EH+1.75LS

Extreme I Q = 1.00DC+1.00EV+1.00EH+1.00EQD+1.00EQE

Extreme II Q = 1.00DC+1.00EV+1.00EH+1.00CT

Where:

Q:	Force Effects
α:	1.25 or 0.90, Whichever Controls Design
β:	1.35 or 1.00, Whichever Controls Design
η:	1.50 or 0.90, Whichever Controls Design
DC:	Dead Load of Structure Components
EH:	Horizontal Earth Fill Pressure
EV:	Vertical Earth Pressure from Earth Fill Weight
LS:	Live Load Surcharge
EQE:	Seismic Earth Pressure
EQD:	Soil and Structural and Nonstructural Components Inertia
CT:	Vehicular Collision Force

SYMBOLS:

Ser - service limit state I

Str - strength limit state I

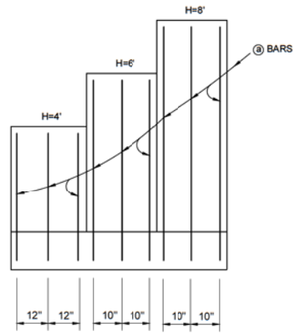
Ext I - extreme event limit state I

Ext II - extreme event limit state II

B' - effective footing width (ft)

q'_o - net bearing stress (ksf), OG assumed to be FG at toe

q_o - gross uniform bearing stress (ksf)



ELEVATION

TABLE OF REINFORCING STEEL DIMENSIONS AND DATA			
DESIGN H	4'	6'	8'
W	7'-3"	7'-9"	8'-6"
BATTER	NONE	NONE	100 : 2
(a) BARS	#7 @ 12	#7 @ 10	#7 @ 12
(b) BARS	#7 @ 12	#7 @ 10	#8 @ 12
Ser: B', q'_o	6.2, 1.4	6.1, 1.8	6.4, 2.1
Str: B', q_o	6.2, 2.4	6.1, 2.9	5.3, 3.0
Ext I: B', q_o	4.4, 1.5	4.1, 2.2	4.0, 3.1
Ext II: B', q_o	2.5, 2.7	3.1, 3.0	3.8, 3.2

NOTES:

1. At (a) bars:
   H <..6', no splices are allowed within 1'-8"
   above the top of footing.
   H > 6', no splices are allowed within H/4
   above the top of footing.

2. Provide #6 @ 8" @ bars in addition to tabulated
   @ bars over a distance of 8'-0" measured from all
   expansion joints, begin wall and end wall locations.

RETAINING WALL TYPE 5

NO SCALE



John Bishop

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WRECO
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UPPER BROADWAY BIKE LANES
CIP# 41508
RW5 AND RW6 WALL DETAILS NO. 2
CITY OF PLACERVILLE CALIFORNIA

DRAWING INFO
DATE: 10-17-2019
DRAFTER: TJM
DESIGNER: JB
REVIEWER: DK

PROJECT NO.
6884.003
SHEET NO. S15 OF S15

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