DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	HUM	101	128.6/138.9 (PM 79.9/86.3)	1	1

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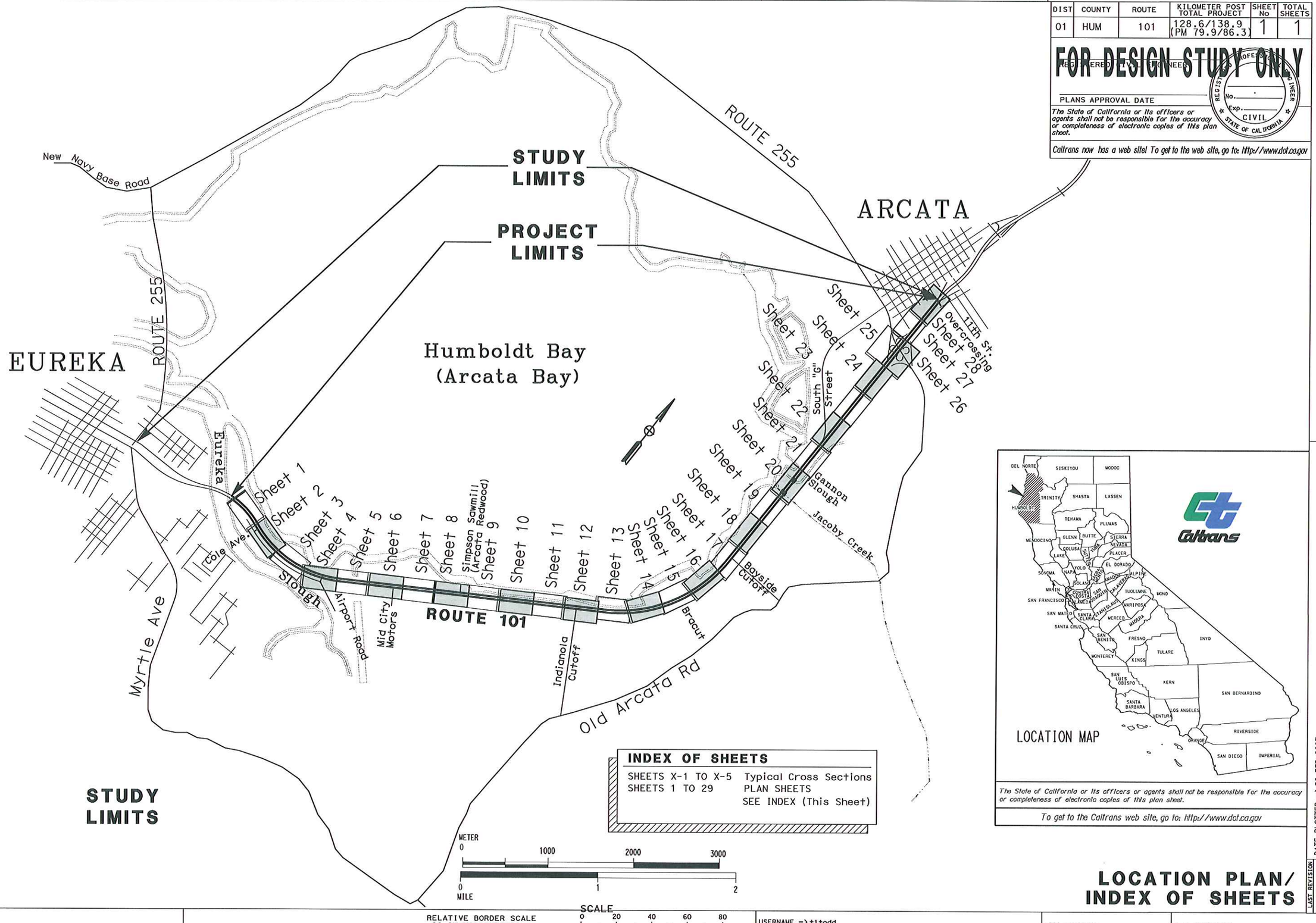

INDEX OF SHEETS

SHEETS X-1 TO X-5	Typical Cross Sections
SHEETS 1 TO 29	PLAN SHEETS
	SEE INDEX (This Sheet)

METER 0 1000 2000 3000

0 MILE 1 2

SCALE

LOCATION MAP

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LOCATION PLAN/ INDEX OF SHEETS

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DATE PLOTTED => 20-FEB-2007
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RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => tltodd
DGN FILE => project-limits.dgn

CU 00000

EA 366000

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	HUM	101	128.6/138.9 (PM 79.9/86.3)	1	29

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LEGEND

- ENVIRONMENTAL STUDY LIMITS
- 81.9 APPROXIMATE POSTMILE
- NEW EDGE OF PAVING
- APPROXIMATE LIMITS OF FILL
- NEW (OR REPLACED) LIGHTS
- TREES LIKELY TO BE REMOVED FROM CLEAR RECOVERY ZONE
- WATERS OF THE U.S.

EXISTING

- EXISTING EDGE OF PAVING
- EXISTING RAILROAD TRACKS
- 1.82 EXISTING ELEVATIONS (meters NAVD 88)
- INDEX CONTOUR ELEVATION (METERS)
- INTERMEDIATE CONTOUR ELEVATION (0.5 METER INTERVALS)
- EXISTING RIGHT-OF-WAY (Access Controlled) (Where Determined by R/W Engineering)
- —e— UNDERGROUND ELECTRICAL
- —t— UNDERGROUND TELEPHONE
- —tv— UNDERGROUND TELEVISION CABLE
- —(oh)— INDICATES OVERHEAD LINES
- —g— GAS
- —w— WATER
- —s— SEWER
- CULVERT/STORM DRAIN

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EUREKA SLOUGH WILDLIFE AREA

Thrie-Beam Median Barrier and paving

Humboldt Bay Owl's Clover

Reset Guardrail

NORTHWESTERN PACIFIC RAILROAD

Realignment toward median to accommodate accel/decel lane at Cole Ave

Route 101

HUM-101

80.1

MARSHLINE

Jacobs Avenue

JACOBS AVE

DENSE TREES

DENSE BRUSH

DIRT

ASPH

CONC

Replace 2 foot diameter tide gate

KP 128.67 (PM 79.95)
Begin Project

Eureka Slough

KP 128.90 (PM 80.09)
Begin Deceleration Lane
NB RT for Cole Avenue

Note:
Permanent improvements will be confined to the fill slope limits.

Note: These drawings initially prepared using metric units. Final drawings will be developed using U.S. Customary Units. These drawings are scaled at 1:1000, and elevations are metric.

Exact locations of lighting to be determined. Trenching for lighting not shown.

SEE SHEET 1 FOR LEGEND

0 25 METER 50 75

0 50 100 FEET 150 200 250

SCALE

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USERNAME => tltodd
DGN FILE => ESR01.dgn

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DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	HUM	101	128.6/138.9 (PM 79.9/86.3)	2	29

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HUMBOLDT BAY NATIONAL WILDLIFE REFUGE

Note:
Permanent improvements will be confined to the fill slope limits.

Thrie-Beam Median Barrier and paving

Realignment toward median to accommodate accel/decel lane at Cole Ave

Emergency Vehicle Access

Route 101

Jacobs Avenue

KP 129.16 (PM 80.25) Cole Avenue Median Crossing

Exact locations of lighting to be determined.
Trenching for lighting not shown.

SEE SHEET 1 FOR LEGEND

0 25 METER 50 75
0 50 100 FEET 150 200 250
SCALE

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RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => t1todd
DGN FILE => ESR02.dgn

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EA 366000

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	HUM	101	128.6/138.9 (PM 79.9/86.3)	3	29

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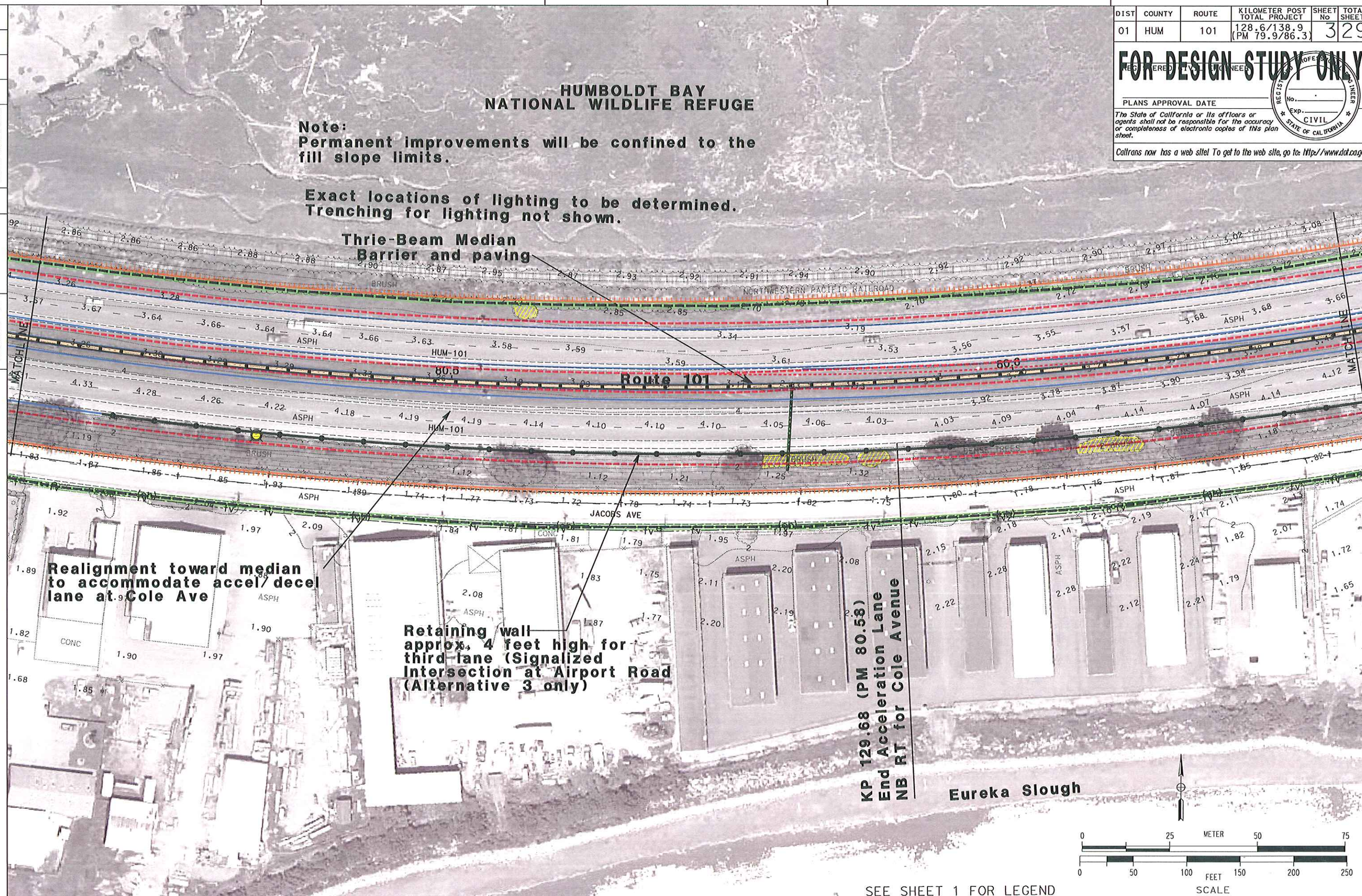

SEE SHEET 1 FOR LEGEND

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PROJECT ENGINEER Todd Lark

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USERNAME => t1todd
DGN FILE => ESR03.dgn

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EA 366000

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
01	HUM	101	128.6/138.9 (PM 79.9/86.3)	4	29

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HUMBOLDT BAY NATIONAL WILDLIFE REFUGE

Note:
Permanent improvements will be confined to the Fill Slope limits.

Remove & relocate access (Alternative 3 only)

Thrie-Beam Median Barrier and paving

KP 130.10 (PM 80.84) Airport Median Crossing

Remove median crossing and or relocate median crossing (Alts 1,2,& 3)

Edge of Paving & Fill for third lane of Signalized Intersection (Alt 3 only)

Route 101

Jacobs Ave.

Retaining wall approx. 4 feet high for third lane (Signalized Intersection at Airport Road (Alternative 3 only)

Possible location of Signalized Intersection and realigned Jacobs Ave and Airport Road with Bridge at drainage channel (Alternative 3 only)

Replace 2-5 ft x 5 ft tide gates at Eureka Slough (see separately attached plan)

See sheet 29 for tide gate location

Eureka Slough

101 Slough

Airport Rd. (Alternative 3 only)

MATCHLINE

SEE SHEET 1 FOR LEGEND

SCALE 0 25 50 75 METERS; 0 50 100 150 200 250 FEET

DATE PLOTTED => 20-FEB-2007
TIME PLOTTED => 07:13

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RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80

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DGN FILE => ESR04.dgn

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DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	HUM	101	128.6/138.9 (PM 79.9/86.3)	5	29

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Edge of Paving & Fill for third lane of Signalized Intersection Alternative at Airport Road (Alt. 3) only

Reailigned into median due to conflict with airport flight path

HUMBOLDT BAY NATIONAL WILDLIFE REFUGE

LOWER FLIGHT APPROACH DEPARTURE

NORTHWESTERN PACIFIC RAILROAD

BRUSH

SCATTERED BRUSH

DIRT

HUM-101

ASPH

Route 101

81

81.1

MATCHLINE

101 Slough

CULTIVATED

Fay Slough

Realignment of Centerline toward median for signalized intersection at Airport Road alternative (Alts 3 only)

Replace 3ft. x 4ft. tide gate

Note:

Permanent improvements will be confined to the fill slope limits.

SEE SHEET 1 FOR LEGEND

0 25 METER 50

0 50 100 FEET 150 200 250

SCALE

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USERNAME => t1todd
DGN FILE => ESR05.dgn

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01	HUM	101	128.6/138.9 (PM 79.9/86.3)	6	29

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Note:

Permanent improvements will be confined to the fill slope limits.

Brainard Lumber Yard

Edge of Paving & Fill for third lane for Signalized Intersection at Airport Road (Alternative 3 only)

Reset Guard Rail

KP 130.92 (PM 81.35)
Mid City Motor World
Median Crossing
Replace Terminal Section
Reset Guardrail

CONSTRUCTION EASEMENT TO RAILROAD TRACKS

LOWER FLIGHT APPROACH/DEPARTURE

NORTHWESTERN PACIFIC RAILROAD

DENSE TREES

HUM-101

Route 101

Remove Median Paving

81.2

81.3

MATCHLINE

101 Slough

Fay Slough

KP 130.68 (PM 81.20)
Begin Deceleration Lane
NB RT Mid City Motor World

Mid-City Motor World

Replace/ Relocate Guardrail and Terminal

Exact locations of lighting to be determined.
Trenching for lighting not shown.

SEE SHEET 1 FOR LEGEND

0 25 METER 50 75

0 50 100 FEET 150 200 250

SCALE

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DGN FILE => ESR06.dgn

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01	HUM	101	128.6/138.9 (PM 79.9/86.3)	7	29

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Note:

Permanent improvements will be confined to the fill slope limits.

Brainard Lumber Yard

CONSTRUCTION EASEMENT TO RAILROAD TRACKS

Adjust or replace guardrail and Terminal

KP 131.20 (PM 81.52) End Acceleration Lane Simpson sawmill SB RT

SLOPE EASEMENT REQUIRED

Remove Guardrail where trees are removed for acceleration lane

NORTHWESTERN PACIFIC RAILROAD

HUM-101

Route 101

101 Slough

FAY SLOUGH WILDLIFE AREA

SEE SHEET 1 FOR LEGEND

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DGN FILE => ESR07.dgn

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DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	HUM	101	128.6/138.9 (PM 79.9/86.3)	8	29

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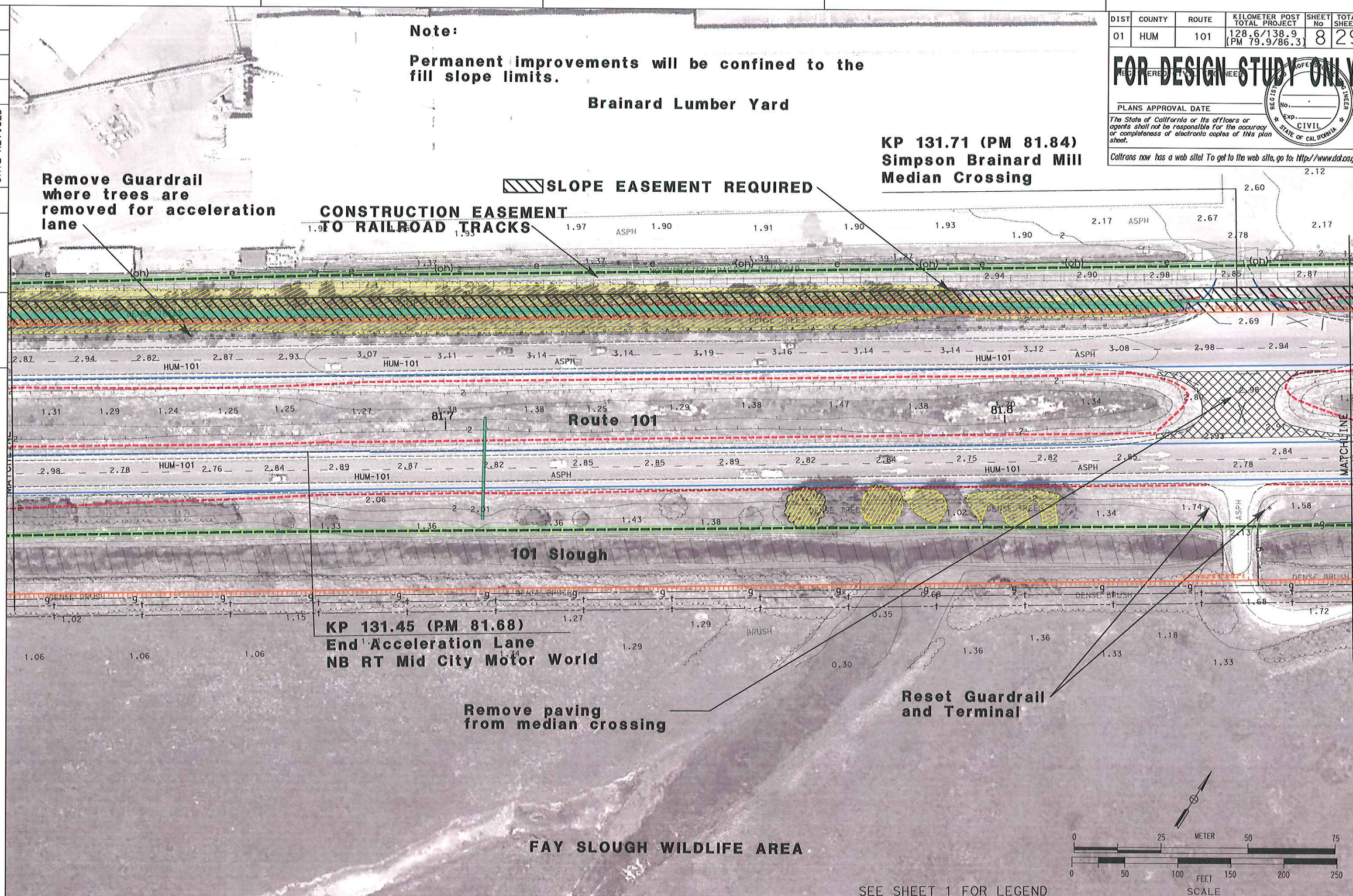
Note:

Permanent improvements will be confined to the fill slope limits.

Brainard Lumber Yard



SEE SHEET 1 FOR LEGEND

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USERNAME => t1todd
DGN FILE => ESR08.dgn

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DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
01	HUM	101	128.6/138.9 (PM 79.9/86.3)	9	29

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Brainard Lumber Yard

SLOPE EASEMENT REQUIRED

CONSTRUCTION EASEMENT TO RAILROAD TRACKS

Remove Guardrail where trees are removed for acceleration lane

KP 131.99 (PM 82.01) Begin SB RT Deceleration Lane for Simpson sawmill

ARCATA BAY

Eucalyptus trees within 4 ft of Guardrail to be removed.

NORTHWESTERN PACIFIC RAILROAD

HUM-101

ASPH

DENSE TREES

Route 101

101 Slough

DENSE BRUSH

DIRT

MATCHLINE

MATCHLINE

Note:

Permanent improvements will be confined to the fill slope limits.

FAY SLOUGH WILDLIFE AREA

SEE SHEET 1 FOR LEGEND

0 25 METER 50 75

0 50 100 FEET 150 200 250

SCALE

DATE PLOTTED => 20-FEB-2007
TIME PLOTTED => 07:14

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DGN FILE => ESR09.dgn

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DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	HUM	101	128.6/138.9 (PM 79.9/86.3)	10	29

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Note:

Permanent improvements will be confined to the fill slope limits.

ARCATA BAY

Reset Guardrail

Eucalyptus trees within 4 ft of Guardrail to be removed.

CONSTRUCTION EASEMENT FROM RAILROAD (Alternatives 2 & 3 only)

NORTHWESTERN PACIFIC RAILROAD

ASPH

HUM-101

MATCHLINE

82.1

82.2

82.3

Route 101

DENSE TREES

DENSE BRUSH

101 Slough

FAY SLOUGH WILDLIFE AREA

Begin Realignment for Staged construction of Interchange at Indianola Cutoff (Alternative 2&3 only)

0 25 METER 50 75

0 50 100 FEET 150 200 250

SCALE

SEE SHEET 1 FOR LEGEND

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DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	HUM	101	128.6/138.9 (PM 79.9/86.3)	11	29

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Note:
Permanent improvements will be confined to the fill slope limits.

CONSTRUCTION EASEMENT FROM RAILROAD (Alternatives 2 & 3 only)

Limits of Temporary fill for staged southbound traffic

Route 101

101 Slough

Thrie beam median barrier

Exact locations of lighting to be determined. Trenching for lighting not shown.

FAY SLOUGH WILDLIFE AREA

NORTHWESTERN PACIFIC RAILROAD

MATCHLINE

SEE SHEET 1 FOR LEGEND

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RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => t1todd
DGN FILE => ESR11.dgn

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DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	HUM	101	128.6/138.9 (PM 79.9/86.3)	12	29

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KP 133.04 (PM 82.67)
Indianola Cutoff
Median Crossing

Exact locations of lighting to be determined.
Trenching for lighting not shown.

Limits of Temporary fill for staged southbound traffic

Lighting at Indianola Cutoff, Typical

CONSTRUCTION EASEMENT FROM RAILROAD (Alternatives 2 & 3 only)

SB On-Ramp

SB Off-Ramp

SB Route 101

NB Route 101

NB Off-Ramp

NB On-Ramp

Indianola Cutoff

101 Slough

Remove trees for Interchange (Alternatives 2 & 3 only)

Paving limits for Interchange (Alternatives 2 & 3 only)

Thrie beam median barrier

Remove trees for Interchange (Alternatives 2 & 3 only)

Cash and Carry

Note:
Permanent improvements will be confined to the fill slope limits.

SEE SHEET 1 FOR LEGEND

0 25 METER 50 75
0 50 100 FEET 150 200 250
SCALE

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RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => tltodd
DGN FILE => ESR12.dgn

CU 00000

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DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	HUM	101	128.6/138.9 (PM 79.9/86.3)	13	29

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Note:
Permanent improvements will be confined to the fill slope limits.

Limits of Temporary fill for staging southbound traffic

CONSTRUCTION EASEMENT TO RAILROAD TRACKS (Alternatives 2 & 3 only)

ARCATA BAY

Billboard to be Removed

NORTHWESTERN PACIFIC RAILROAD

HUM-101

Route 101

MATCHLINE

101 Slough

DENSE TREES

DENSE BRUSH

BRUSH

ROCKS

ASPH

Pasture

Exact locations of lighting to be determined.
Trenching for lighting not shown.

SEE SHEET 1 FOR LEGEND

0 25 METER 50 75
0 50 100 FEET 150 200 250
SCALE

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DATE PLOTTED => 23-MAY-2007
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USERNAME => tltodd
DGN FILE => ESR13.dgn

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DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	HUM	101	128.6/138.9 (PM 79.9/86.3)	14	29

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Note:
Permanent improvements will be confined to the fill slope limits.

ARCATA BAY

Remove or Relocate Pole outside of Clear Recovery Zone

SLOPE EASEMENT REQUIRED
10 ft x 2,500 ft Long

Billboard to be protected with barrier

Relocate Existing Telephone Outside of Existing R/W

NORTHWESTERN PACIFIC RAILROAD

Route 101

HUM-101

ASPH

MATCHLINE

End realignment for Interchange at Indianola Cutoff (Alternatives 2 & 3 only)

Limits of grading for Interchange Construction (Alts 2 & 3 only)

Pasture

KP 133.91 (PM 83.21) Begin Deceleration Lane NB RT

Resale Lumber

Exact locations of lighting to be determined.
Trenching for lighting not shown.

SEE SHEET 1 FOR LEGEND

METER 0 25 50 75
FEET 0 50 100 150 200 250
SCALE

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USERNAME => t1todd
DGN FILE => ESR14.dgn

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EA 366000

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	HUM	101	128.6/138.9 (PM 79.9/86.3)	15	29

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PLANS APPROVAL DATE

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Exact locations of lighting to be determined.
Trenching for lighting not shown.

Bracut Industrial Park

KP 134.18 (PM 83.38)
Bracut Median Crossing

Note:
Permanent improvements will be confined to the Fill Slope limits.

Billboard to be protected with barrier

SLOPE EASEMENT REQUIRED

Relocate Existing Telephone Outside of Existing R/W

Remove median paving

Resale Lumber

KQA Drive

Caltrans Maintenance Yard

Route 101

MATCHLINE

SEE SHEET 1 FOR LEGEND

SCALE 0 25 50 75 METER 0 100 200 250 FEET

DATE	REVISED BY	DATE REVISED

CALCULATED/DESIGNED BY

CHECKED BY

PROJECT ENGINEER Todd Lark

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

LAST REVISION 1-31-06

DATE PLOTTED => 20-FEB-2007
TIME PLOTTED => 07:26

RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => t1todd
DGN FILE => ESR15.dgn

CU 00000

EA 366000

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	HUM	101	128.6/138.9 (PM 79.9/86.3)	16	29

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Note:
Permanent improvements will be confined to the fill slope limits.

KP 134.45 (PM 83.54)
Begin Deceleration Lane
SB RT

Relocate Existing Telephone Outside of Existing R/W

Reset Guardrail and Terminal

KP 134.66 (PM 83.67)
End Acceleration Lane
SB LT for Bayside Cutoff

Reset Guardrail and Terminal

Brainard Slough

Replace Tide Gate

Rocky Gulch

Washington Gulch

Exact locations of lighting to be determined.
Trenching for lighting not shown.

KP 134.70 (PM 83.70)
End Acceleration Lane
NB RT for Bracut

KP 134.76 (PM 83.74)
Begin deceleration Lane
NB RT for Bayside Cutoff

Route 101

Pasture

SEE SHEET 1 FOR LEGEND

0 25 METER 50 75
0 50 100 FEET 150 200 250
SCALE

DATE PLOTTED => 20-FEB-2007
TIME PLOTTED => 07:26

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RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => t1todd
DGN FILE => ESR16.dgn

CU 00000

EA 366000

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	HUM	101	128.6/138.9 (PM 79.9/86.3)	17	29

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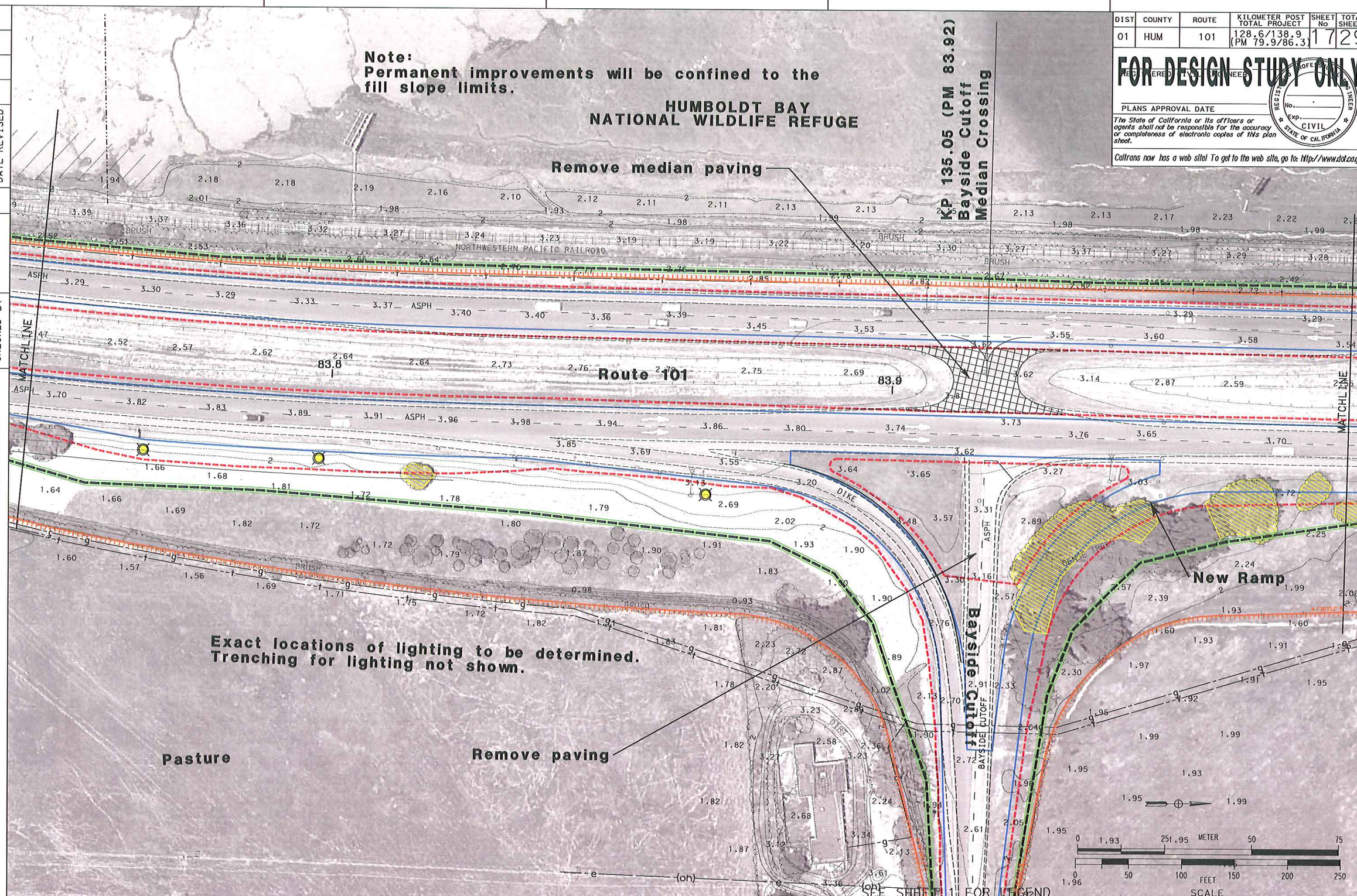

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USERNAME => t1todd
DGN FILE => ESR17.dgn

CU 00000

EA 366000

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	HUM	101	128.6/138.9 (PM 79.9/86.3)	18	29

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HUMBOLDT BAY
NATIONAL WILDLIFE REFUGE

NORTHWESTERN PACIFIC RAILROAD

BRUSH

HUM-101

ASPH

84

Route 101

84.2

MATCHLINE

Pasture

KP 135.47 (PM 84.18)
End Acceleration Lane
for Bracut

Note:
Permanent improvements will be confined to the fill slope limits.

Exact locations of lighting to be determined. Trenching for lighting not shown.

SEE SHEET 1 FOR LEGEND

0 25 METER 50 75

0 50 100 FEET 150 200 250

SCALE

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USERNAME => tltodd
DGN FILE => ESR18.dgn

CU 00000

EA 366000

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	HUM	101	128.6/138.9 (PM 79.9/86.3)	1929	

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PLANS APPROVAL DATE

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Note:
Permanent improvements will be confined to the fill slope limits.

HUMBOLDT BAY NATIONAL WILDLIFE REFUGE

Replace 5ft x 5ft Tide Gate (Old Jacoby Creek)

Reset Guardrail and Replace Terminal

TEMPORARY TRAFFIC FOR BRIDGE REPLACEMENT STAGE 3 DETOUR No. 2 LANE TO RECONSTRUCT WEST SIDE OF BRIDGE

Repl Jac 04-

NORTHWESTERN PACIFIC RAILROAD

BRUSH

ASPH

HUM-101

MATCHLINE

4ft. x 5ft. RCB

84.3

Route 101

Old Jacoby Creek

Pasture

DENSE TREE

TEMPORARY DETOUR FOR SOUTHBOUND BRIDGE REPLACEMENT STAGES 3 & 4 DETOUR SB No. 1 LANE

TEMPORARY BARRIER (TYPE K)

0 25 METER 50 75

0 50 100 FEET 150 200 250

SCALE

SEE SHEET 1 FOR LEGEND

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TIME PLOTTED => 07:26

RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => tltodd
DGN FILE => ESR19.dgn

CU 00000

EA 366000

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	HUM	101	128.6/138.9 (PM 79.9/86.3)	20	29

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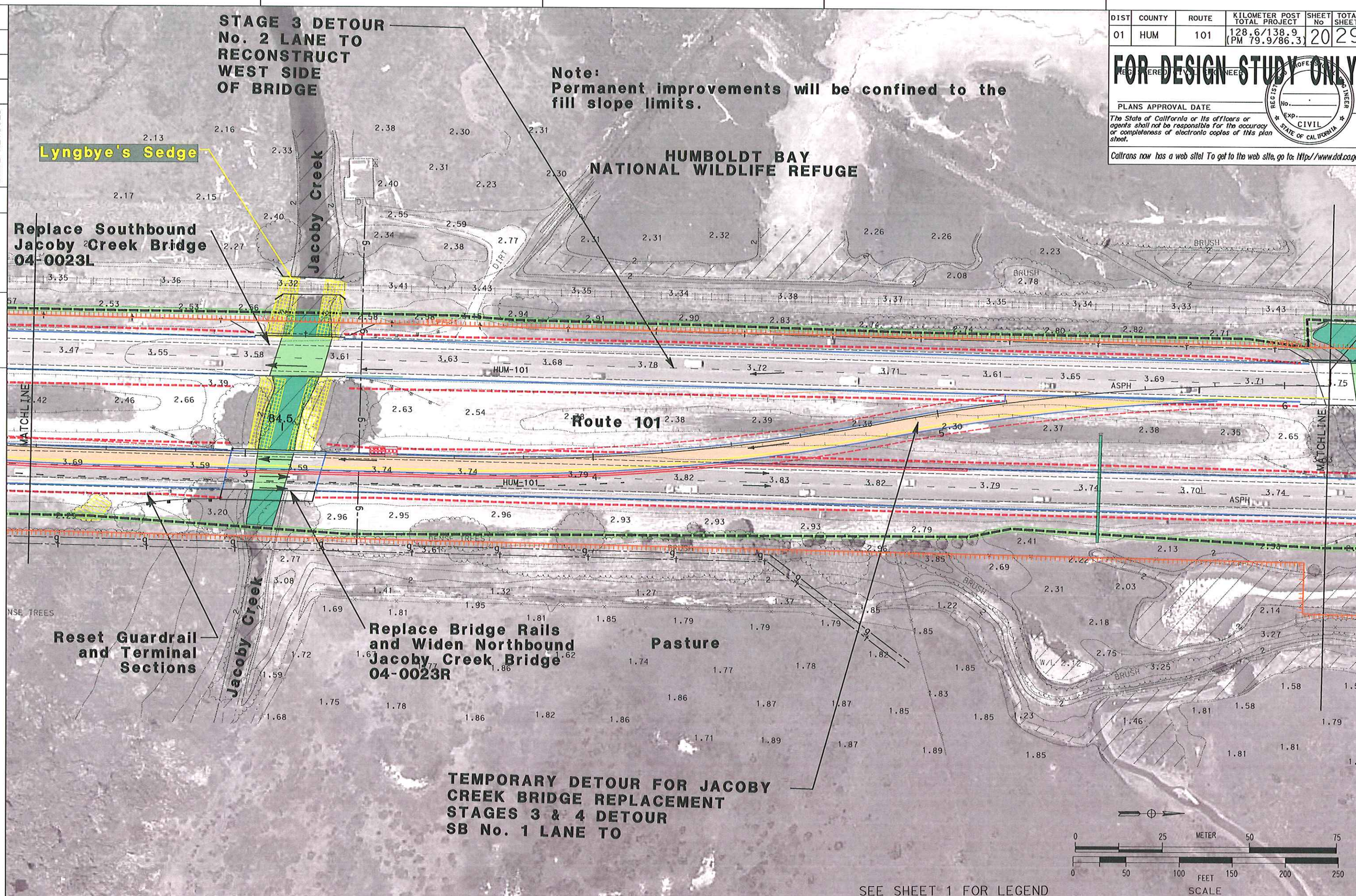

SEE SHEET 1 FOR LEGEND

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PROJECT ENGINEER Todd Lark

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RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => t1todd
DGN FILE => ESR20.dgn

CU 00000

EA 366000

DATE PLOTTED => 20-FEB-2007
TIME PLOTTED => 07:26

LAST REVISION 1-31-06

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	HUM	101	128.6/138.9 (PM 79.9/86.3)	21	29

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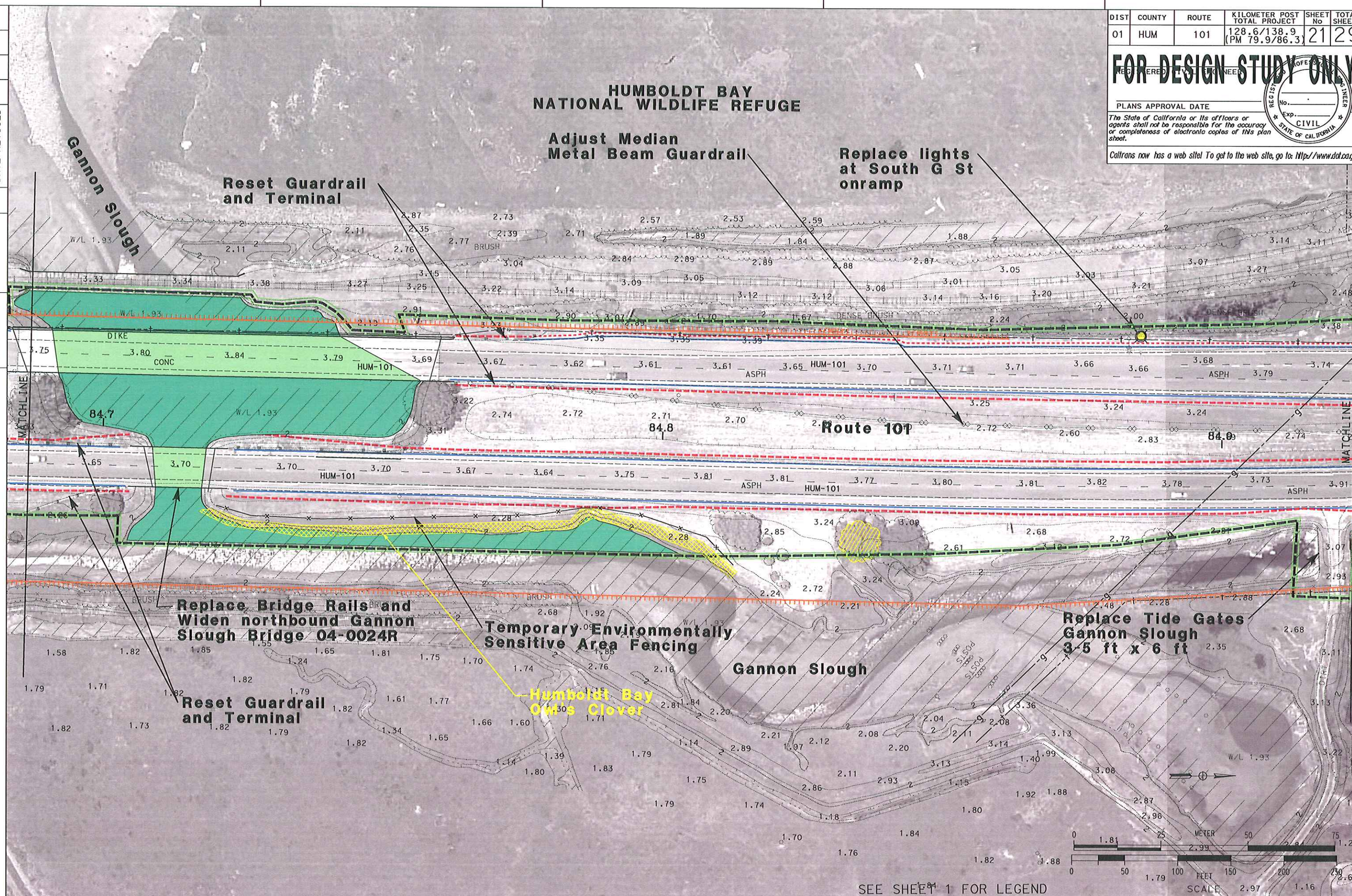

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RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => t1todd
DGN FILE => ESR21.dgn

CU 00000

EA 366000

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	HUM	101	128.6/138.9 (PM 79.9/86.3)	22	29

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ARCATA MARSH AND WILDLIFE SANCTUARY

R/W not located north of South "G" Street, however, generally to Fence lines. At this location, R/W is near the edge of the Maintenance cleared area.

Ramp Cleanup (Remove concrete gutter & Repave/Overlay w/ consistent superelevation rates

Ramp Cleanup (Remove concrete gutter & Repave/Overlay w/ consistent superelevation rates

South G Street

Approximate R/W Line (Fence), Typical

Drainage direction

Replace lights at South G St onramp

ABANDONED RAILROAD TRACKS

DENSE TREES

DENSE BRUSH

DIKE

ASPH

HUM-101

Route 101

MATCHLINE

460mm RCP

KP 136.82 (PM 85.02) Begin Median Paving and Median Barrier

Median Paving and Barrier replacement

Approximate R/W Line (Fence), Typical

Approximate R/W Line (Fence), Typical

Note:
Permanent improvements will be confined to the fill slope limits.

SEE SHEET 11 FOR LEGEND

0 25 METER 50 75

0 50 100 FEET 150 200 250

SCALE

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RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => ttodd
DGN FILE => ESR22.dgn

CU 00000

EA 366000

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	HUM	101	128.6/138.9 (PM 79.9/86.3)	23	29

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Median Paving and Barrier replacement

Approximate R/W Line (Fence), Typical

Route 101

85.2

85.3

85.4

460 mm RCP

Approximate R/W Line (Fence), Typical

Note:

Permanent improvements will be confined to the fill slope limits.

0 25 METER 50 75

0 50 100 FEET 150 200 250

SCALE

SEE SHEET 1 FOR LEGEND

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DATE PLOTTED => 20-FEB-2007
TIME PLOTTED => 08:16

RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => t1todd
DGN FILE => ESR23.dgn

CU 00000

EA 366000

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	HUM	101	128.6/138.9 (PM 79.9/86.3)	24	29

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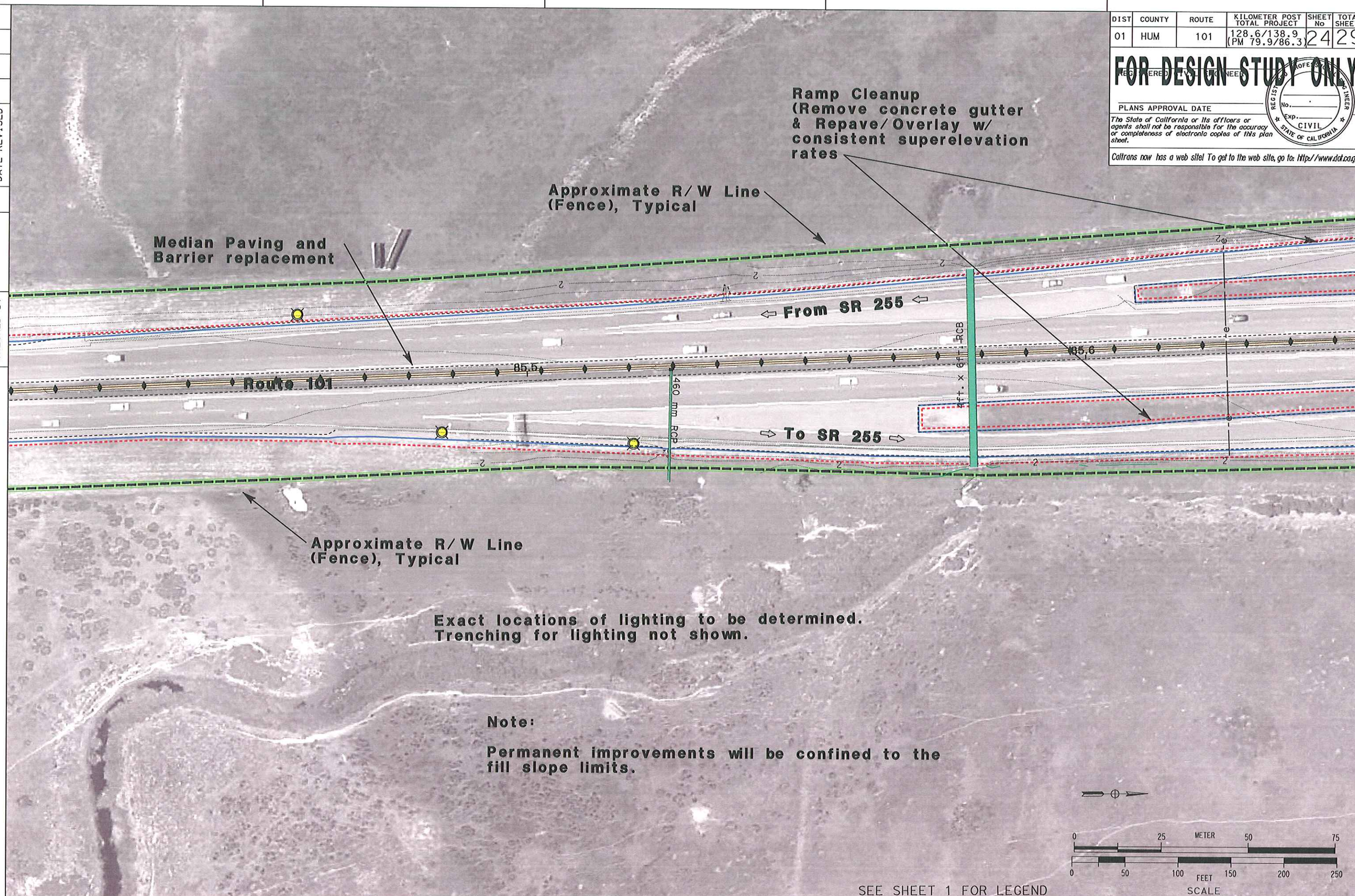

SEE SHEET 1 FOR LEGEND

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PROJECT ENGINEER Todd Lark

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RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => t1todd
DGN FILE => ESR24.dgn

CU 00000

EA 366000

LAST REVISION 1-31-06

DATE PLOTTED => 20-FEB-2007
TIME PLOTTED => 08:16

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	HUM	101	128.6/138.9 (PM 79.9/86.3)	25	29

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Exact locations of lighting to be determined.
Trenching for lighting not shown.

Ramp Cleanup
(Remove concrete gutter
& Repave/Overlay
w/ consistent superelevation
rates

Note:
Permanent improvements will be confined to the fill slope limits.

At Interchange, equipment storage and construction access will likely occur within areas bounded by ramps. (Environmental to provide limitations on activity near existing drainage channels.)

Ramp Cleanup
(Remove concrete gutter
& Repave/Overlay
w/ consistent superelevation
rates

Approximate R/W Line
(Fence), Typical

Median Paving and
Barrier replacement

460 mm RCP

Route 101

Samoa Blvd (SR 255)

SEE SHEET 1 FOR LEGEND

0 25 METER 50 75
0 50 100 FEET 150 200 250
SCALE

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RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => ttodd
DGN FILE => ESR25.dgn

CU 00000

EA 366000

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	HUM	101	128.6/138.9 (PM 79.9/86.3)	26	29

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Route 101

Samoa Blvd (SR 255)

Samoa Blvd (SR 255)

Ramp Cleanup
(Remove concrete gutter & Repave/Overlay w/ consistent superelevation rates

Median Paving and Barrier replacement

Approximate R/W Line (Fence), Typical

Note:
Permanent improvements will be confined to the fill slope limits.

At Interchange, equipment storage and construction access will likely occur within areas bounded by ramps. (Environmental to provide limitations on activity near existing drainage channels.)

Exact locations of lighting to be determined. Trenching for lighting not shown.

SEE SHEET 1 FOR LEGEND

0 25 METER 50 75
0 50 100 FEET 150 200 250
SCALE

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RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => t1todd
DGN FILE => ESR26.dgn

CU 00000

EA 366000

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	HUM	101	128.6/138.9 (PM 79.9/86.3)	27	29

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Note:

Permanent improvements will be confined to the fill slope limits.

Ramp Cleanup (Remove concrete gutter & Repave/Overlay w/ consistent superelevation rates

Exact locations of lighting to be determined. Trenching for lighting not shown.

Route 101

86

86.1

85.9

Overcrossing

7th Street

54-inch RCP

36-inch RCB

54-inch RCP

100mm GAS CASING

500mm W

300mm W

300mm S

200mm W

Median Paving and Barrier

Approximate R/W Line (Fence), Typical

Note:
Image shifted slightly from surveyed information.

SEE SHEET 1 FOR LEGEND

0 25 METER 50 75

0 50 100 FEET 150 200 250

SCALE

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RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => t1todd
DGN FILE => ESR27.dgn

CU 00000

EA 366000

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	HUM	101	128.6/138.9 (PM 79.9/86.3)	28	29

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Approximate R/W Line (Fence), Typical

Route 101

36-inch RCP

54-inch RCP

54-inch RCP

54-inch RCP

54-inch RCP

86.1

86.2

86.3

Median Paving and Barrier

Approximate R/W Line (Fence), Typical

Approximate R/W Line (Fence), Typical

11 th St Overcrossing

KP 138.93 (PM 86.33) End Median Paving and Median Barrier END PROJECT

Note:

Permanent improvements will be confined to the fill slope limits.

Exact locations of lighting to be determined. Trenching for lighting not shown.

0 25 METER 50 75

0 50 100 FEET 150 200 250

SCALE

SEE SHEET 1 FOR LEGEND

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TIME PLOTTED => 08:16

RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => ttodd
DGN FILE => ESR28.dgn

CU 00000

EA 366000

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	HUM	101	128.6/138.9 (PM 79.9/86.3)	29	29

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REGISTERED PROFESSIONAL ENGINEER — No. — Exp. — CIVIL — STATE OF CALIFORNIA

Possible location of Signalized Intersection and realigned Jacobs Ave and Airport Road with box culvert (or bridge) at drainage channel (Alts 3 & 6 only)

Airport Rd.

Right of Way

101 Slough

Access road for Tide Gate Replacement

Access road for tide gate replacement will be cleared of vegetation, and rock will be added to the road surface as needed.

Replace Tide Gates

Eureka Slough

Jacobs Ave.

Route 101

KP 130.10 (PM 80.84) Airport Median Crossing

SEE SHEET 1 FOR LEGEND

RELATIVE BORDER SCALE IS IN MILLIMETERS

0 25 METER 50 75

0 50 100 FEET 150 200 250

SCALE

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TIME PLOTTED => 08:16

LAST REVISION 10-31-06

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	HUM	101	128.6/138.9 (PM 79.9/86.3)		

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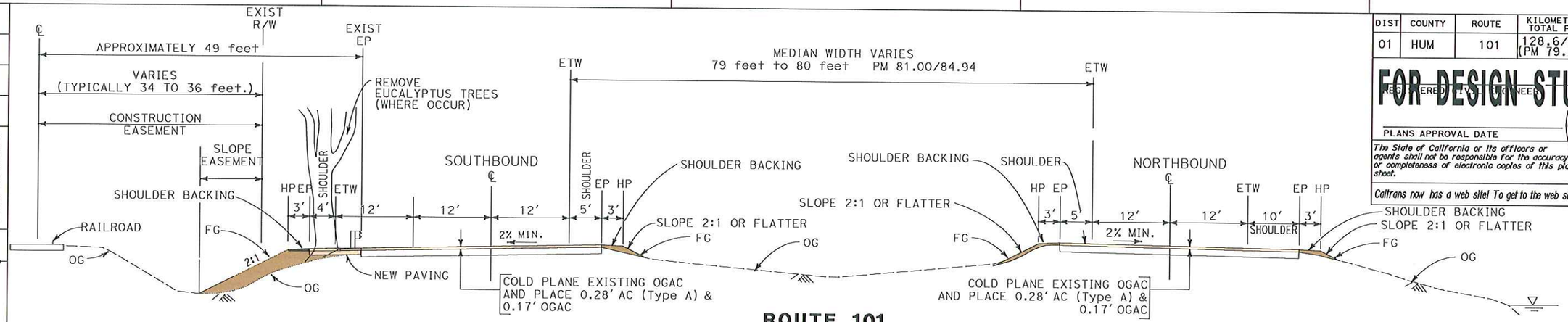
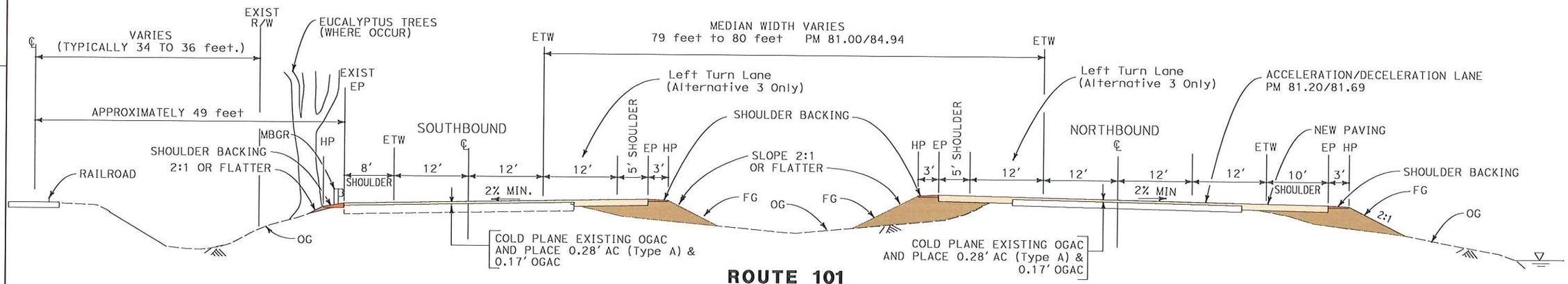
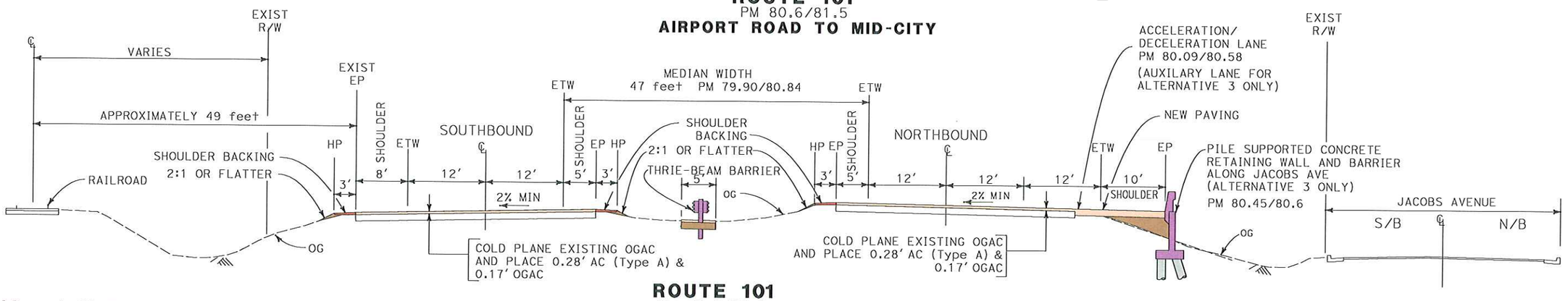


ROUTE 101
PM 81.5/82.2
SIMPSON-BRAINARD



ROUTE 101
PM 80.6/81.5
AIRPORT ROAD TO MID-CITY



ROUTE 101
PM 79.9/80.6
EUREKA SLOUGH BRIDGE TO AIRPORT ROAD

Abbreviations

AC	Asphalt Concrete
EP	Edge of Paving
ETW	Edge of Traveled Way
FG	Finished Grade
HP	Hinge Point (Break in Grade between slopes)
MBGR	Metal Beam Guard Railing
OG	Original Ground
OGAC	Open Graded Asphalt Concrete
R/W	Right of Way (Highway)

Legend

- Proposed new fill
- Proposed new element or structure

TYPICAL CROSS SECTIONS

NO SCALE

X-1

DESIGN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

PROJECT ENGINEER: Todd Lark

CALCULATED/DESIGNED BY: TODD LARK

CHECKED BY

DATE REVISED BY

DATE REVISED

LAST REVISION 1-03/1-06

DATE PLOTTED => 20-FEB-2007
TIME PLOTTED => 08:20

RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => t1todd
DGN FILE => Typ-xs-1.dgn

CU 00000

EA 363300

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	HUM	101	128.6/138.9 (PM 79.9/86.3)		

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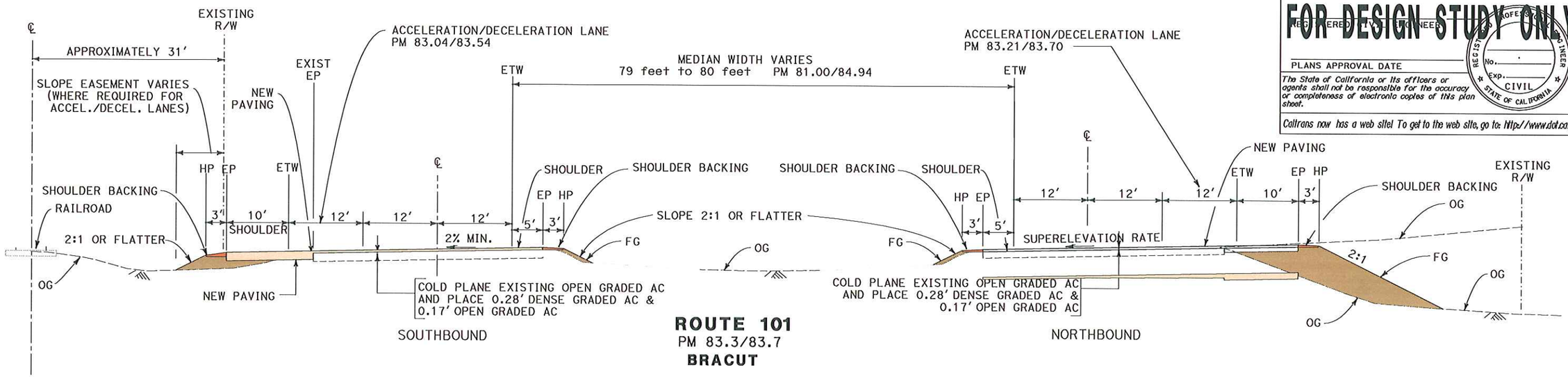
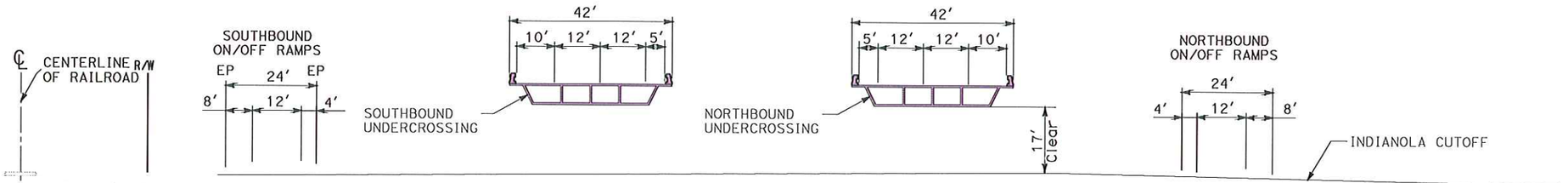
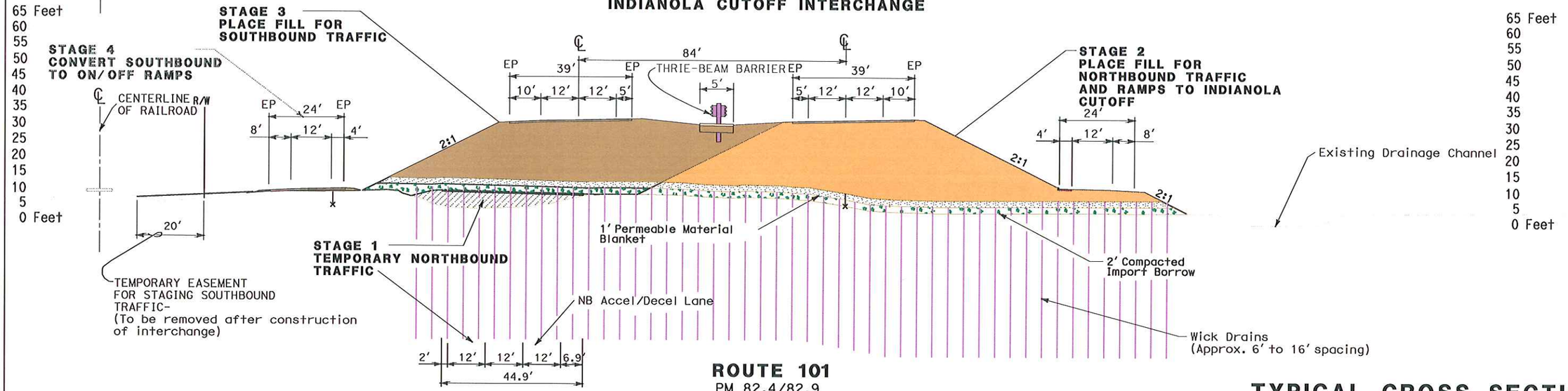


ROUTE 101
PM 83.3/83.7
BRACUT



ROUTE 101
PM 82.67
INDIANOLA CUTOFF INTERCHANGE



ROUTE 101
PM 82.4/82.9
INDIANOLA CUTOFF INTERCHANGE

TYPICAL CROSS SECTIONS

NO SCALE

X-2

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TODD LARK — PROJECT ENGINEER — Todd Lark

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RELATIVE BORDER SCALE IS IN MILLIMETERS 0 20 40 60 80

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DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	HUM	101	128.6/138.9 (PM 79.9/86.3)	1	1

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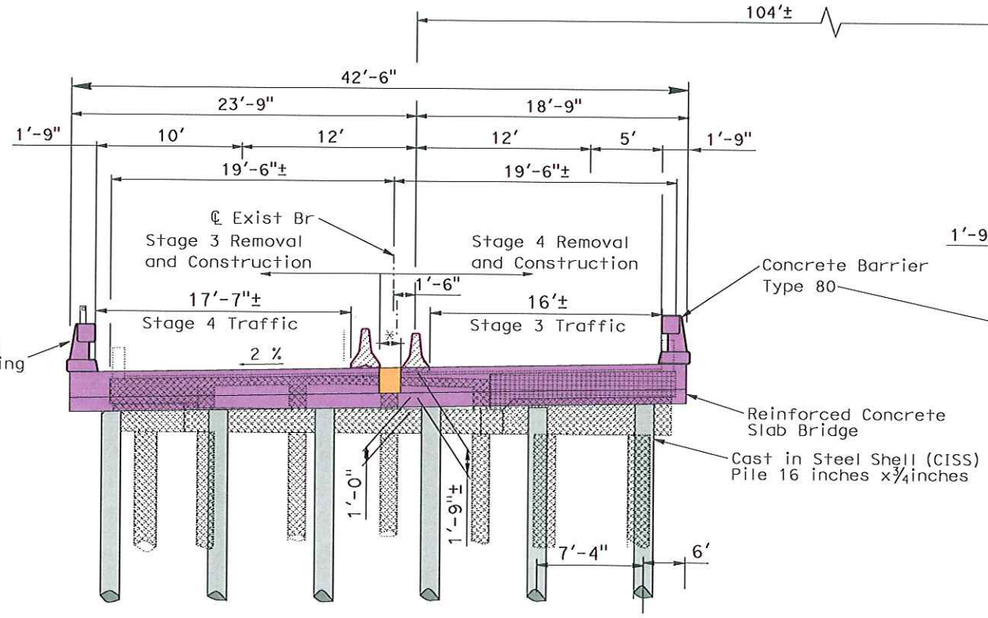


Southbound Jacoby Creek Bridge Stages 1-4: Bridge Replacement

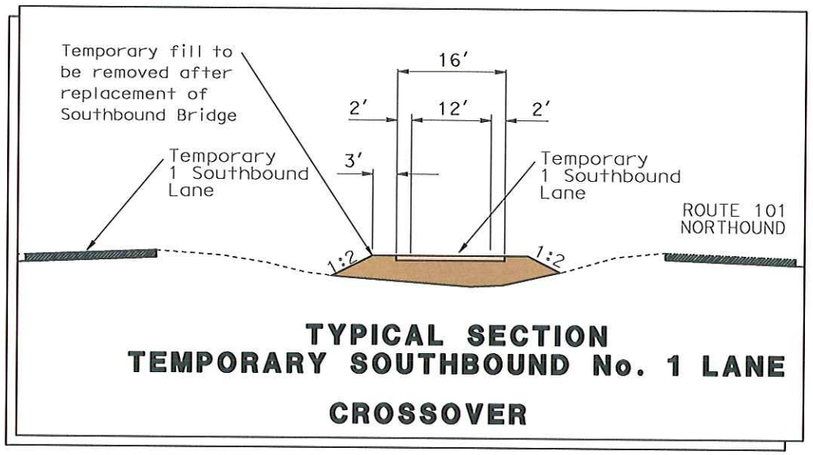
Stage 3: 1 SB Lane Rt side, Construct left Side

Stage 4: 1 SB Lane Lt side, Construct Right Side

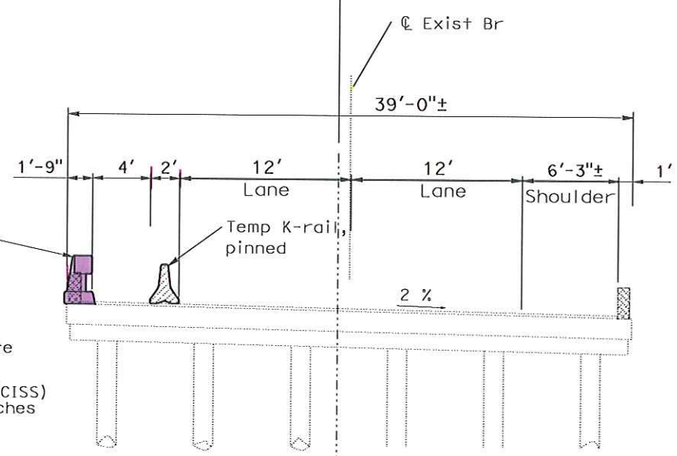
* 1'-6" Closure Pour

Existing Structure

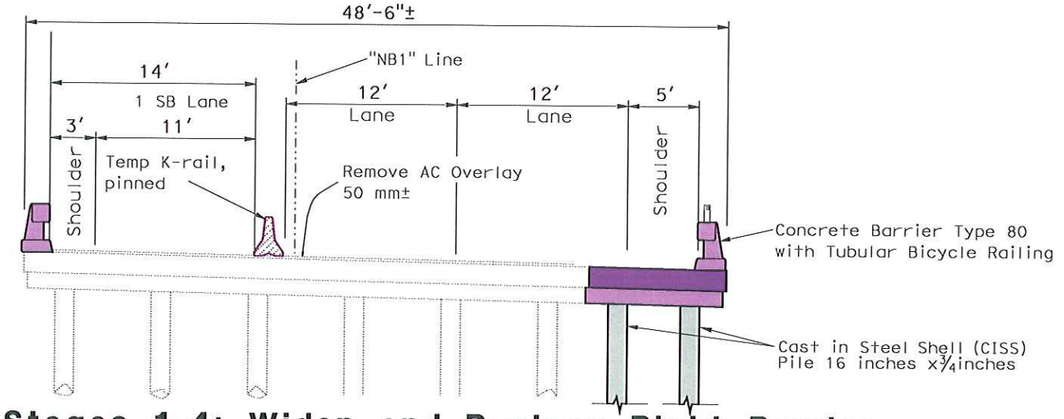
New Structure



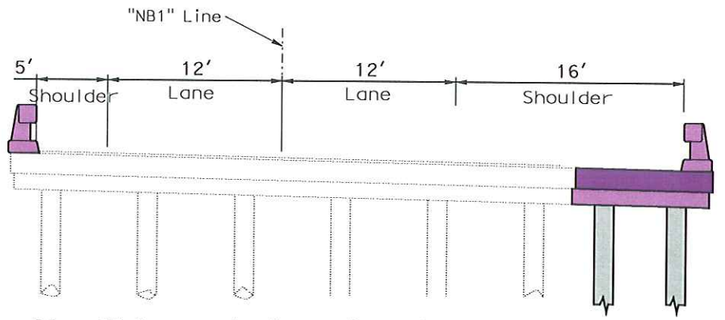
TYPICAL SECTION TEMPORARY SOUTHBOUND No. 1 LANE CROSSOVER



Stage 1: Replace Left Barrier



Stages 1-4: Widen and Replace Right Barrier



Northbound Jacoby Creek Bridge Final Configuration

TYPICAL SECTION

No Scale

CONSTRUCTION STAGING PLAN (NO TEMPORARY STRUCTURE)

TYPICAL CROSS SECTIONS X-3

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PROJECT ENGINEER: Todd Lark

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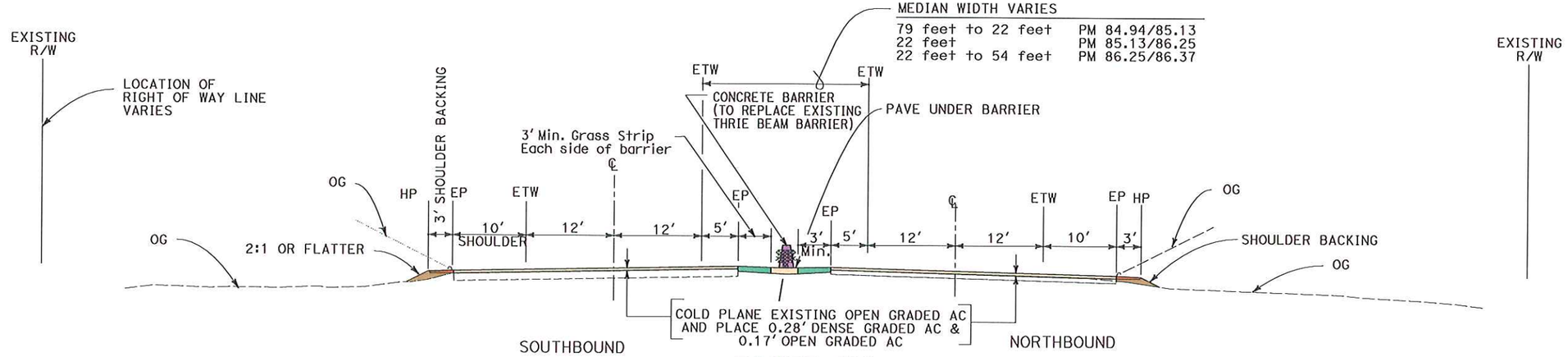
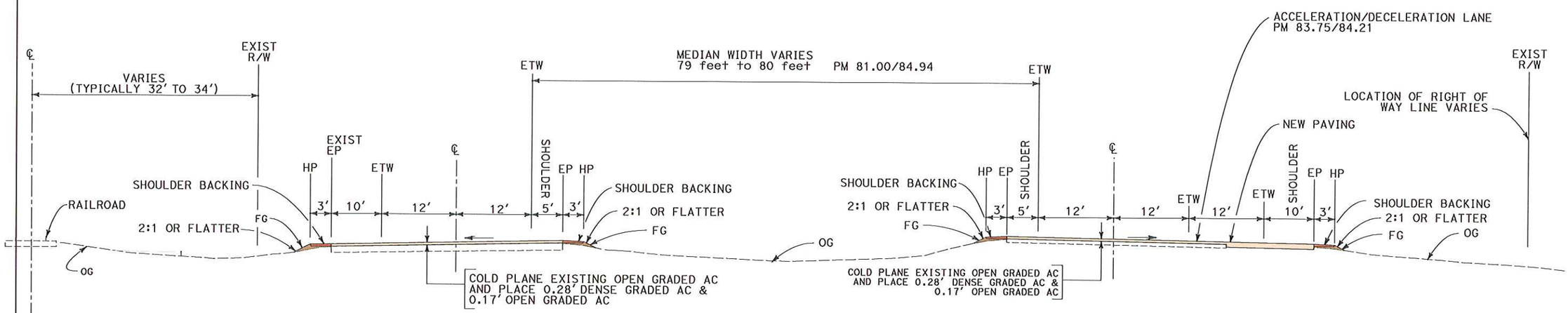


ROUTE 101

PM 85.02/86.33

MEDIAN BARRIER FROM

SOUTH G STREET TO 11TH STREET OVERCROSSING



ROUTE 101

PM 83.7/84.21

BRACUT TO SOUTH "G" STREET

TYPICAL CROSS SECTIONS

X-4

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USERNAME => t1todd
DGN FILE => typ-xs-4.dgn

CU 00000 NO SCALE

EA 363300

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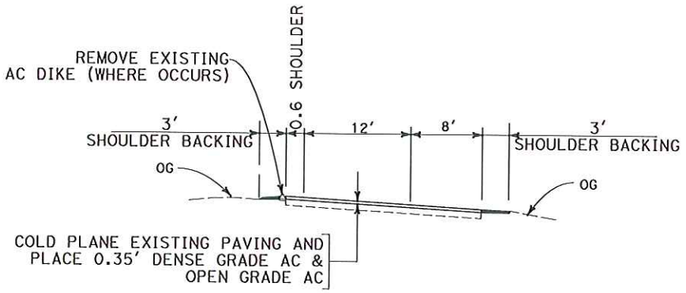
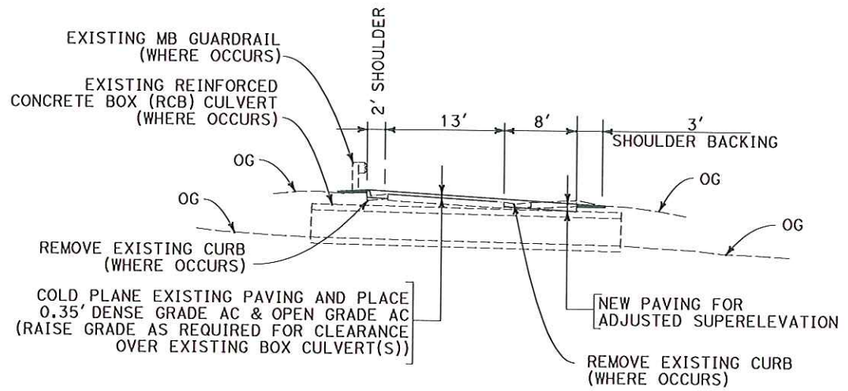


ROUTE 101/ROUTE 255
TYPICAL SECTION - RAMPS



ROUTE 101/ROUTE 255
TYPICAL SECTION - LOOP RAMPS

(REQUIRES MINOR WIDENING AT ROUTE 255/
ROUTE 101 INTERCHANGE

TYPICAL CROSS SECTIONS

NO SCALE

X-5

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05-0531-06