CURB RAMP 4
1" = 5'

CURB RAMP 5
1" = 5'
CURB RAMP 21

CURB RAMP 22

CURB RAMP 23

CURB RAMP 24

CURB RAMP 25

CURB RAMP 26

CURB RAMP DETAILS
CURB RAMP 44
1" = 5'

CURB RAMP 45
1" = 5'

CURB RAMP 46
1" = 5'

CURB RAMP 47
1" = 5'

CURB RAMP 48
1" = 5'

CURB RAMP 49
1" = 5'
CURB RAMP 50
1" = 5'

CURB RAMP 51
1" = 5'

CURB RAMP 52
1" = 5'

CURB RAMP 53
1" = 5'

CURB RAMP 54
1" = 5'
CURB RAMP 55
1" = 5'

CURB RAMP 56
1" = 5'

CURB RAMP 57
1" = 5'

CURB RAMP 58
1" = 5'

CURB RAMP 59
1" = 5'
EXISTING CURB - NEW CURB
GUTTER UP TO CONFORM TO SIDEWALK, WHEN PRESENT

Curb Taper

No Scale

Curb Doweling

No Scale

Asphalt concrete full depth conform, refer to detail 6

Varies, refer to Plan

8" PVC Bus Pad Pavement

4" Rebar at 12" O.C. Each Way

Scarify Subgrade soils 6" Min, Recompress to 90% Min Relative Compaction

Existing Pavement Section, see note 1

NOTES:
1. Existing pavement section thicknesses vary, refer to the project geotechnical Report.
2. Weakened plane joints at least 3/4-inch deep shall be placed at a minimum 10-feet on center.
3. 3/8-inch thick expansion joints shall be equally spaced and constructed at a maximum spacing of every 20 feet.

Concrete Bus Pad

No Scale

Rigid Root Barrier

4" Bars @ 24" O.C.

4" Bars @ 18" O.C. Continuous (Typ)

Compact Native Backfill to 95% Relative Compaction

8" Long 3" Rebar Dowel at 12" O.C.

Adjacent Improvements, Refer to Plan

NOTES:
1. Wall height varies, refer to plan.
5" GRIND & OVERLAY
7" DIG OUT PAY DEPTH

6" GRIND & OVERLAY
6" DIG OUT PAY DEPTH

SCARIFY AND RECOMPACT TOP 6" OF AGGREGATE BASE (WHERE ENCOUNTERED) TO 90% MIN RELATIVE COMPACTION

EXISTING PAVEMENT SECTION, SEE NOTE 1
5" GRIND DIGOUT SECTIONS

SCARIFY AND RECOMPACT TOP 6" OF AGGREGATE BASE (WHERE ENCOUNTERED) TO 90% MIN RELATIVE COMPACTION

EXISTING PAVEMENT SECTION, SEE NOTE 1
6" GRIND DIGOUT SECTIONS

NOTES:
1. EXISTING PAVEMENT SECTION THICKNESSES VARY. REFER TO THE PROJECT GEOTECHNICAL REPORT.

ASPHALT CONCRETE DIGOUT SECTIONS
NO SCALE

ASPHALT CONCRETE
FULL DEPTH CONFORM
NO SCALE
NOTES:
1. EXISTING PAVEMENT SECTION THICKNESSES VARY. REFER TO THE PROJECT GEOTECHNICAL REPORT.
2. PAVEMENT FAILURES MUST BE REPAIRED IN COMPLIANCE WITH THE PROJECT SPECIFICATIONS PRIOR TO EXECUTING GRIND AND OVERLAY WORK.
3. THOROUGHLY SWEEP SURFACE BEFORE APPLICATION OF TACK COAT AND ASPHALT OVERLAY TO ENSURE A GOOD BOND BETWEEN THE EXISTING PAVEMENT AND THE ASPHALT OVERLAY.
4. APPLY TACK COAT TO EXISTING ASPHALT PRIOR TO PLACING NEW ASPHALT OVERLAY.
5. ALL HMA MATERIAL, METHODS, AND TOLERANCES SHALL BE IN COMPLIANCE WITH THE PROJECT SPECIFICATIONS.

5’ GRIND AND OVERLAY WITH GRID

NEW ASPHALT OVERLAY, REFER TO PLAN AND DETAIL 7/8

BEGIN OR END OF OVERLAY

N McDowell Blvd

MATCH EXISTING

SIDE STREET

MATCH EXISTING

FACE OF CURB

EDGE GRIND, WIDTH VARIES - REFER TO PLAN

DEPTH OF PROPOSED GRIND

EXISTING PAVEMENT SECTION

EXISTING AGGREGATE BASE

SECTION A-A

END OF PAVEMENT REHABILITATION CONFORM

NO SCALE
**MEDIAN CURB**

- Scarify and recompact the top 4-inches of aggregate base (where encountered) or place New Class 2 aggregate base, compacted to 95% relative compaction.

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**Z-CROSSING**

- Refer to plan for adjacent improvements.
- Rectangular rapid flashing beacon, refer to detail 13.
- Detectable warning surface.
- Pedestrian barricade, typ.
- Width varies.

**NOTES:**

1. Refer to CR sheets for grading information.
CONVERT EXISTING CATCH BASIN TO SDMH AND RAISE LID TO GRADE

REINFORCED CONCRETE SIDEWALK AND SPECIAL TRENCHING ZONE

NOTE: REFER TO THE PROJECT SPECIFICATIONS FOR SPECIAL TRENCHING AND ROOT CUTTING INFORMATION FOR WORK ADJACENT TO TREES

1. Form new concrete collar and riser 6".
2. Anchor with #4 rebar drill and epoxy at 6" O.C.
3. Provide clean edge.
4. Scarify subgrade soils 2-inch max. recompact to 95% relative compaction.

Gravel Filled Bag
- Lightweight safety grid, cut or fold at posts as needed to conform to slope.
- Metal ties, zip tie or equivalent, 6 per post.
- Lightweight 5'-6" tall standard farm quality "T-post" placed 10" O.C.
- 1" x 2" x 24" stakes through first layer of roll at 6" from end and 6" O.C. on alternating sides.

Curb Inlet
- 24" dia. manhole top to replace curb inlet.
- 6".

EXISTING CURB INLET

EXISTING STORM DRAIN STRUCTURE

ASPHALT SEE PLANS

4-INCH PCC SIDEWALK WITH #4 REBAR IN ACCORDANCE WITH CITY OF PETALUMA STANDARD DETAIL 203

EXISTING CURB AND GUTTER

EXISTING GROUND SURFACE

NOTE: REFER TO THE PROJECT SPECIFICATIONS FOR SPECIAL TRENCHING AND ROOT CUTTING INFORMATION FOR WORK ADJACENT TO TREES
GENERAL NOTES
1. CONTRACTOR SHALL POUR ALL NEW POLE FOUNDATIONS. ENGINEER SHALL CONFIRM FINAL POLE LOCATIONS.
2. CONTRACTOR SHALL MATCH THE BOLT PATTERN OF THE EXISTING SIGNAL POLE TO BE RELOCATED PRIOR TO POURING NEW FOUNDATIONS.

CONSTRUCTION NOTES
20. CONNECT NEW AND EXISTING CONDUIT, REMOVE EXISTING CONDUCTORS AND INSTALL CONDUCTORS AS INDICATED.
19. REMOVE FOR REUSE EXISTING APS SERVING THE WALK CROSSING N. MCDOWELL, COVER HOLES IN THE PBA POST RESULTING FROM THE APS REMOVAL.
18. INSTALL THE REMOVED APS ONTO THE EXISTING TRAFFIC SIGNAL POLE. SPlice APS CONDUCTORS AS NEEDED AND CONNECT THE APS TO SIGNAL CONTROLLER.
17. REMOVE FOR REUSE SIGNAL HEADS, LUMINARIES, MAST ARMS, SIGNS, 18'-2'-100 SIGNAL POLE, AND OTHER AUXILIARY EQUIPMENT.
16. ABANDON EXIST POLE FOUNDATION, REMOVE ANCHOR BOLTS AND CONCRETE TO MIN 1' BELOW NEW FG.
15. INSTALL NEW 18'-2'-100 FOUNDATION (2008 STATE STANDARD), FACE OF POLE TO BE NO CLOSER THAN 18" TO FACE OF NEW CURB. SEE ED-2 DETAIL 1.
14. INSTALL 2' CONDUIT FROM THE NEW FOUNDATION INTO THE EXISTING FULL BOX.
13. RELOCATE EXIST SIGNAL POLE ONTO NEW FOUNDATION AND REINSTALL SIGNAL EQUIPMENT. CONNECT CONDUCTORS BETWEEN RELOCATED POLE AND MODIFIED FULL BOX.
12. REMOVE AND DISPOSE OF EXIST FULL BOX. INSTALL NEW NO. 8 "TRAFFIC SIGNAL" FULL BOX IN EXIST FULL BOX LOCATION AT THE NEW FINISHED GRADE. SEE ED-1 DETAIL 1.
11. INSTALL NEW 1'-8" FOUNDATION (2008 STATE STANDARD) SEE ED-2 DETAIL 2.
10. REMOVE FOR REUSE SIGNAL HEADS AND SIGNAL POLE.
9. REMOVE AND DISPOSE OF PBA POST AND PBP.
8. REMOVE AND DISPOSE OF EXIST FULL BOX. REMOVE EXISTING CONDUCTORS TO THE ADJACENT NORTH AND SOUTH PULL BOXES AND CLEAN CONDUITS. INSTALL NEW NO. 5 PULL BOX AND NEW 2' CONDUITS AT THE NEW FINISHED GRADE. CONNECT NEW AND EXISTING CONDUCTORS WITH MIN 3' RADIUS. INSTALL NEW CONDUCTORS BETWEEN NEW AND EXIST FULL BOXES (MIN 2'). REINSTALL EXIST FULL BOX WITH AC.
6. REMOVE FOR REUSE TYPE 15 LIGHTING STANDARD.
5. ABANDON EXIST POLE FOUNDATION, REMOVE ANCHOR BOLTS AND CONCRETE TO MIN 1' BELOW NEW FG.
4. REMOVE AND DISPOSE OF FULL BOX. INSTALL NEW NO. 5 NON-TRAFFIC "STREET LIGHTING" FULL BOX IN EXIST FULL BOX LOCATION AT THE NEW FINISHED GRADE. SEE ED-1 DETAIL 1.
GENERAL NOTES
1. CONTRACTOR SHALL PROVIDE ALL NEW POLE FOUNDATIONS. ENGINEER SHALL CONFIRM FINAL POLE LOCATIONS.
2. CONTRACTOR SHALL MATCH THE BOLT PATTERN OF THE EXISTING SIGNAL POLE TO BE RELOCATED PRIOR TO POURING NEW FOUNDATIONS.

CONSTRUCTION NOTES
25. CONNECT NEW AND EXISTING CONDUIT. REMOVE EXISTING CONDUCTORS AND INSTALL CONDUCTORS AS INDICATED.
3. REMOVE AND DISPOSE OF EXHIST PULL BOX, REMOVE EXISTING CONDUCTORS TO THE ADJACENT NORTH AND SOUTH PULL BOXES OR POLES AND CLEAN CONDUITS. INSTALL NEW NO. 5 PULL BOX AND NEW 2" CONDUITS AT THE NEW FINISHED GRADE. CONNECT NEW AND EXISTING CONDUITS WITH MIN 3" RADIUS. INSTALL NEW CONDUITS BETWEEN NEW AND EXIST PULL BOXES (MIN 24'). BACKFILL EXIST PULL BOX WITH AC.
4. INSTALL NEW TYPE 15 FOUNDATION (2006 STATE STANDARD). FACE OF POLE TO BE NO CLOSER THAN 18" TO FACE OF NEW CURB. SEE ED-2 DETAIL 3. INSTALL 2" CONDUIT FROM THE NEW FOUNDATION INTO THE NEW PULL BOX LOCATION. RELOCATE EXISTING LIGHTING STANDARD ONTO NEW FOUNDATION. CONNECT CONDUITS BETWEEN RELOCATED POLE AND NEW PULL BOX.
5. INSTALL NEW TYPE 15 FOUNDATION (2006 STATE STANDARD). INSTALL 2" CONDUIT FROM THE NEW FOUNDATION INTO THE NEW PULL BOX. RELOCATE EXISTING LIGHTING STANDARD ONTO NEW FOUNDATION. CONNECT CONDUITS BETWEEN RELOCATED POLE AND NEW PULL BOX.
6. INSTALL NEW No. 5 PULL BOX AND NEW 2" CONDUITS AT THE NEW FINISHED GRADE. CONNECT NEW AND EXISTING CONDUITS WITH MIN 3" RADIUS. INSTALL NEW CONDUITS BETWEEN NEW AND EXIST PULL BOXES (MIN 24'). CONNECT CONDUITS BETWEEN RELOCATED POLE AND NEW PULL BOX.
7. REMOVE AND DISPOSE OF EXHIST PULL BOX AND DETECTOR POLE HOLE. REMOVE EXISTING CONDUCTORS TO THE ADJACENT WEST AND SOUTH PULL BOXES. INSTALL NEW No. 5 PULL BOX AND NEW 2" CONDUITS AT THE NEW FINISHED GRADE. CONNECT NEW AND EXISTING CONDUITS WITH MIN 3" RADIUS. INSTALL NEW CONDUITS BETWEEN NEW AND EXIST PULL BOXES (MIN 2 X 3') (14'). BACKFILL EXIST PULL BOX AND POLE HOLE WITH AC.
8. REMOVE FOR REUSE EXIST. POLE FOUNDATION. REMOVE ANCHOR BOLTS AND CONCRETE TO MIN 1' BELOW NEW FG.
9. INSTALL NEW PBA POST FOUNDATION (NEW 2006 STATE STANDARD). SEE ED-2 DETAIL 4. INSTALL 1" CONDUIT FROM THE NEW FOUNDATION INTO THE EXIST PULL BOX LOCATION. RELOCATE EXIST PBA POST ONTO NEW FOUNDATION. CONNECT CONDUITS.
GENERAL NOTES

1. CONDUIT RUNS ARE SHOWN ON THE PLANS IN SCHEMATIC FORM ONLY. DISTANCES SHOWN ON THE PLANS ARE APPROXIMATE. CONTRACTOR SHALL MEASURE ACTUAL DISTANCES AND MAKE ALLOWANCE FOR SLACK BEFORE CUTTING FIBER OPTIC CABLE.

2. PULL BOX LOCATIONS BETWEEN INTERSECTIONS ARE APPROXIMATE AND MAY BE FIELD LOCATED BY THE CONTRACTOR WITH APPROVAL OF THE CITY ENGINEER TO AVOID OBSTRUCTIONS. PULL BOXES SHALL BE SPACED NO MORE THAN 500' APART, WITHIN 3' OF THE FACE OF CURB, NO CLOSER THAN 3' TO DRIVEWAYS, AND NO CLOSER THAN 1' TO CURB RAMPS.

3. ALL CONDUIT BENDS ARE TO BE FACTORY MADE.

4. AN AS-BUILT DRAWING SHOWING THE ACTUAL LOCATIONS OF THE SIC COMPONENTS SHALL BE SUBMITTED TO THE CONTRACTOR FOR APPROVAL BY THE CITY ENGINEER PRIOR TO ACCEPTANCE OF THE IMPROVEMENTS.

CONSTRUCTION NOTES

1. INSTALL No. 6 PULL BOX. SEE ED-3 DETAIL C.

2. INSTALL 3" PVC SCHEDULE 80 CONDUIT VIA DIRECTIONAL BORE METHOD. SEE ED-1, DETAIL 2. INSTALL SIC CABLE PER THE TECHNICAL SPECIFICATIONS.

3. CONNECT SIC TO SIGNAL CONTROLLER. SEE ED-3 DETAIL F AND TECHNICAL SPECIFICATIONS FOR REQUIRED EQUIPMENT.

4. INSTALL No. 6E PULL BOX WITH SPLICE ENCLOSURE. SEE ED-3 DETAIL B, D, & E.

5. INSTALL FO SPLICE BOX. SEE ED-3 DETAIL A, D & E.

LEGEND

- TRAFFIC SIGNAL CONTROLLER CABINET (E)
- No. 6 SIC PULL BOX (NEW)
- SIC CONDUIT (NEW), SINGLE MODE FIBER OPTIC CABLE (SMF/SCC).
PUBLIC WORKS & UTILITIES

PROJECT NO. C16102147

134 OF NORTH MCDOWELL BLVD. - COMPLETE STREETS
OLD REDWOOD HWY. TO SUNRISE PKWY.

BID DOCUMENTS
Know what's below. Call before you dig.

1. TYPE 19-2-100, 2006 STANDARD
   CALTRANS STANDARD PLAN ES-70
   NTS

2. TYPE 1-B, 2006 STANDARD
   CALTRANS STANDARD PLAN ES-7B
   NTS

3. TYPE 15, 2015 STANDARD
   CALTRANS STANDARD PLAN ES-6A & ES-7N SIGNAL DETAILS
   NTS

4. PB POST, 2006 STANDARD
   CALTRANS STANDARD PLAN ES-7A
   NTS
EXTERNAL E-THAN QUICKNET SYSTEM

TRAFFIC SIGNAL & INTERCONNECT DETAILS

DETAILED DESIGN SHEET

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