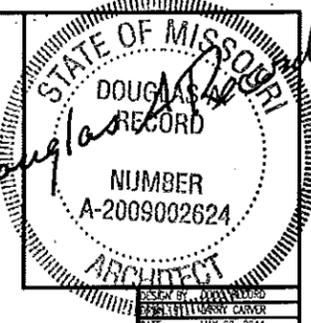


6.10.11



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- 3 - 13 NORTH DEMOLITION PLAN
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- 9 - 13 SOUTH DEMOLITION PLAN
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- 11 - 13 HANDRAIL ELEVATIONS
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- 13 - 13 HANDRAIL ELEVATIONS

MISSOURI DEPARTMENT OF TRANSPORTATION

DISTRICT #5 BOONVILLE REST AREA SIDEWALKS BOONVILLE, MISSOURI

North of I-70 (Westbound) 2 Miles West of Route 87
at Mile Marker 104

South of I-70 (Eastbound) 1 Mile East of Route B
at Mile Marker 104

Cooper County

CODE REQUIREMENTS

BUILDING CODE - CURRENT IBC

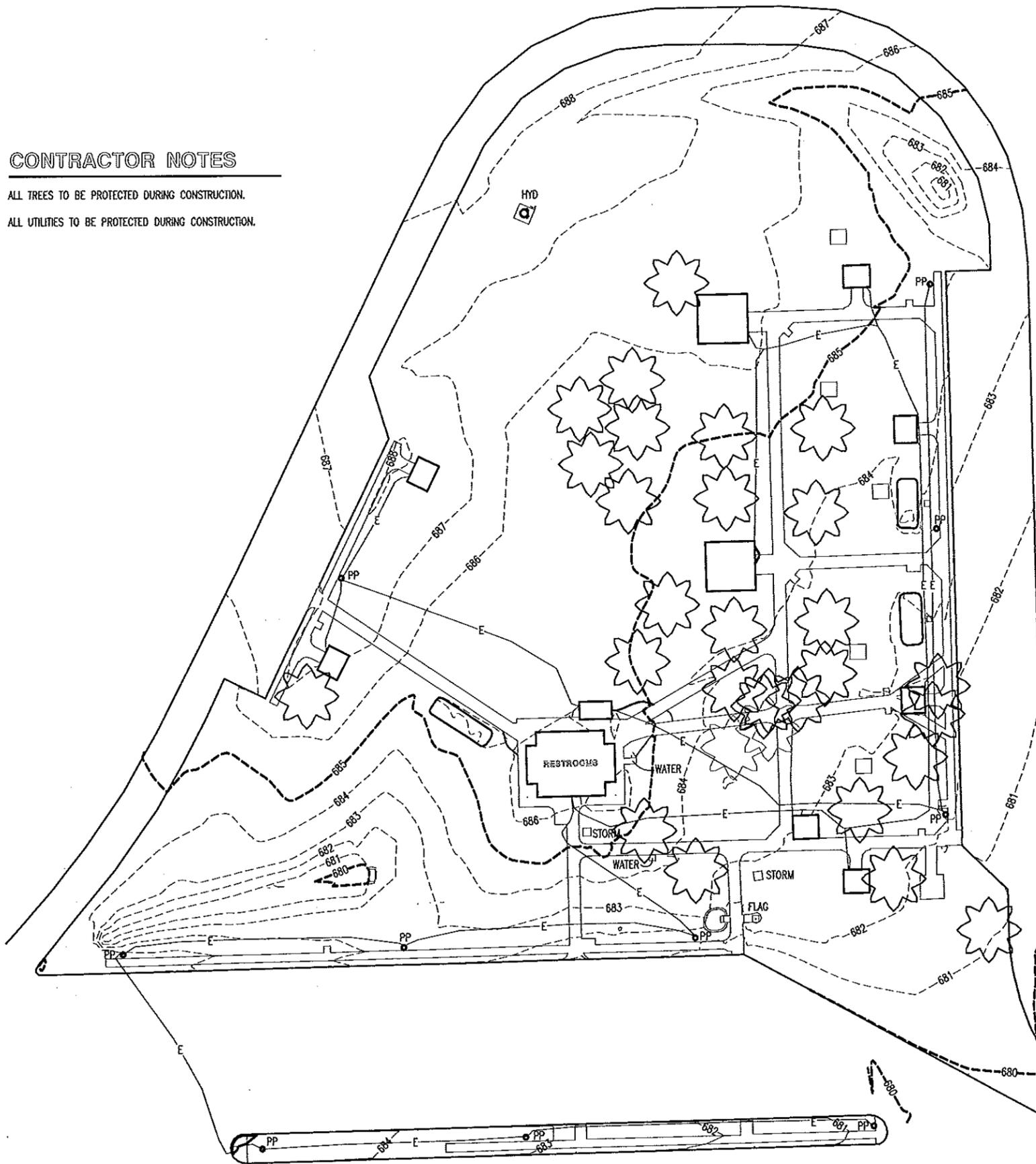
DISTRICT #5
Boonville Rest Area Sidewalks
BOONVILLE, MISSOURI

MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

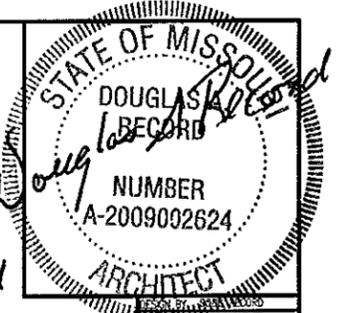
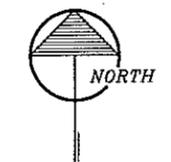
COVER SHEET

CONTRACTOR NOTES

ALL TREES TO BE PROTECTED DURING CONSTRUCTION.
 ALL UTILITIES TO BE PROTECTED DURING CONSTRUCTION.



A
2
NORTH REST AREA (EXISTING)
SITE PLAN
SCALE: 1" = 60'-0"



6-10-11

DISTRICT #5
 Boonville Rest Area Sidewalks
 BOONVILLE, MISSOURI

MISSOURI DEPARTMENT
 OF TRANSPORTATION
 DIVISION OF GENERAL SERVICES
 FACILITIES MANAGEMENT

North Rest Area Site Plan

SITE NOTES

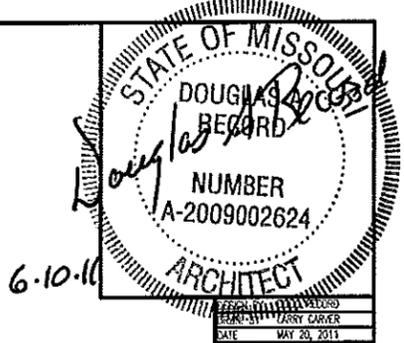
- ① CONCRETE SIDEWALK TO BE REMOVED. EXCAVATE FOR NEW 6" COMPACTED ROCK BASE. UNUSED SOIL TO BE MOVED TO AN ON-SITE AREA TO BE DESIGNATED BY THE OWNER.
- ② ASPHALT AREA BETWEEN EXISTING SIDEWALK AND CURB TO BE REMOVED.
- ③ EXISTING BUILT-UP PLANTING STRUCTURE TO REMAIN.
- ④ REMOVE EXISTING HANDICAPPED RAMP. PREPARE FOR NEW HANDICAPPED RAMP AS REQUIRED.
- ⑤ CONCRETE SLAB TO BE REMOVED. EXCAVATE FOR NEW 6" COMPACTED ROCK BASE. UNUSED SOIL TO BE MOVED TO AN ON-SITE AREA TO BE DESIGNATED BY THE OWNER.

CONTRACTOR NOTES

SIDEWALKS OR SLABS SHOWN HATCHED ARE TO REMAIN. REMOVE ALL OTHERS. DISCARD ALL ASPHALT & CONCRETE DEBRIS OFF-SITE.



ALL PICNIC ROOF AND ITS SUPPORT STRUCTURES TO REMAIN. PROTECT DURING CONSTRUCTION.

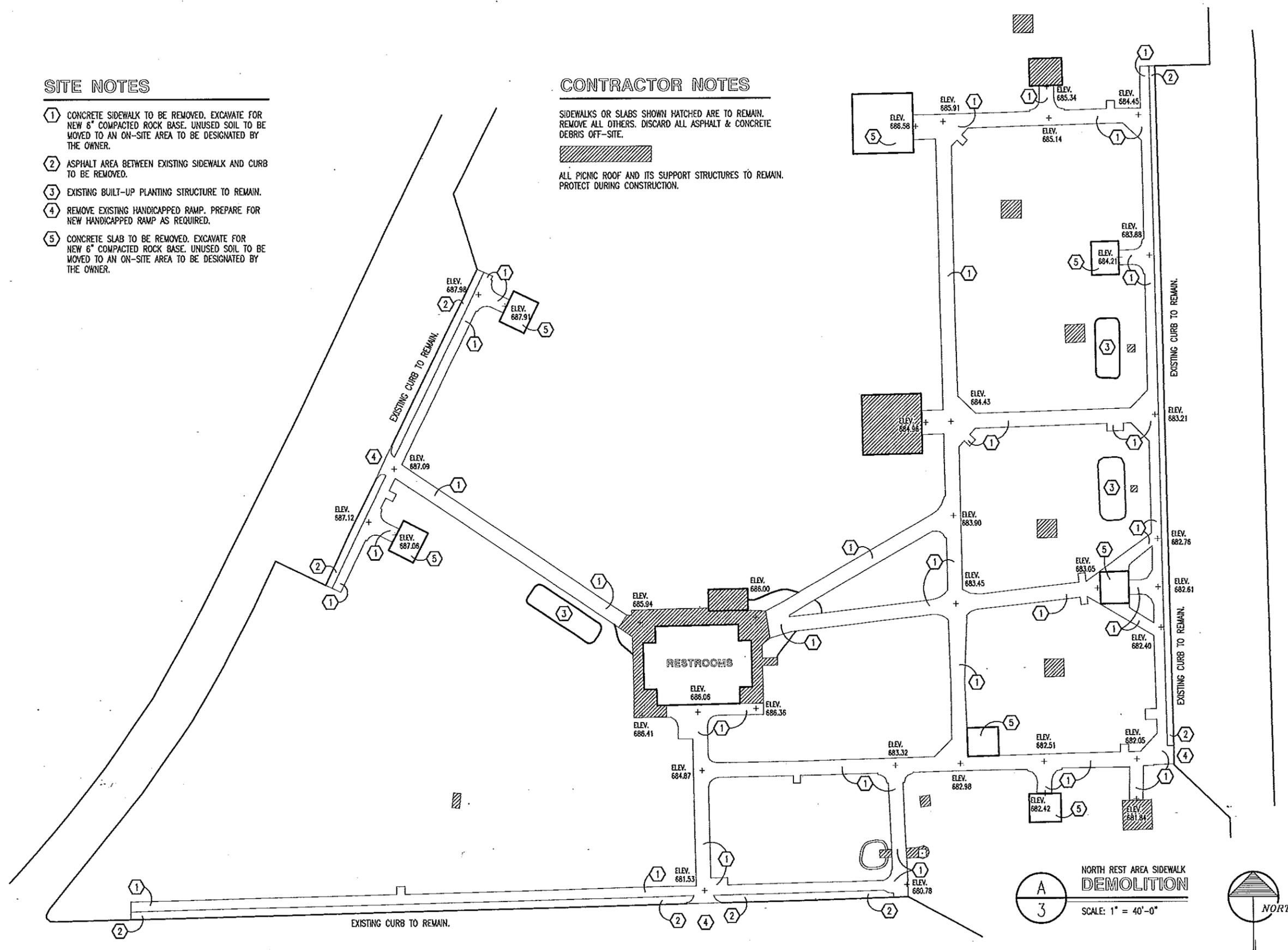


6-10-11

DISTRICT #5
Boonville Rest Area Sidewalks
BOONVILLE, MISSOURI

MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES/ICES
FACILITIES MANAGEMENT

NORTH DEMOLITION PLAN



SITE NOTES

- A NEW 6'-0" WIDE x 4" CONCRETE SIDEWALK W/CENTERED 6 x 6-W1.4 x W1.4 WWF OVER 6" COMPACTED ROCK BASE. LIGHT BROOM FINISH. SEE DETAIL C-6.
- B NEW 4" CONCRETE PICNIC SLAB WITH 6 x 6-W1.4 x W1.4 WWF OVER 6" COMPACTED ROCK BASE. LIGHT BROOM FINISH. PROVIDE SAME OUTSIDE DIMENSION AS ONE REMOVED. SEE DETAIL A-5.
- C NEW 4" CONCRETE TRASH CAN SLAB WITH 6 x 6-W1.4 x W1.4 WWF OVER 6" COMPACTED ROCK BASE. LIGHT BROOM FINISH. APPROXIMATE SIZE 5'-0" x 4'-0". SEE DETAIL D-5.
- D NEW 4" CONCRETE SIDEWALK WITH 6 x 6-W1.4 x W1.4 WWF OVER 6" COMPACTED ROCK BASE. LIGHT BROOM FINISH. PROVIDE HANDRAILS BOTH SIDES. SEE DETAILS A & B-7.
- E DOWEL INTO EXISTING SLAB WITH 12"- #3's @ 12" O.C. 6" EACH SIDE.
- F PROVIDE BACKER ROD AND SEALANT INTO AN EXISTING GAP AT FLAGPOLE CONCRETE SLAB.
- G EXISTING CONCRETE SLAB TO REMAIN.
- H NEW 6'-0" OF 6" WIDE x 27" TALL TYPE 'S' CONCRETE CURB. DOWEL INTO EXISTING CURB WITH 12"- #3's @ 12" O.C. 6" EACH SIDE.
- I EXISTING BUILT-UP PLANTING STRUCTURE TO REMAIN.
- J REMOVE THE TOP 12" OF THE EXISTING FOOTING AT CANOPY COLUMNS. 20" x 44" IN PLAN VIEW. ADD A BONDING AGENT. PROVIDE 1/2" BOND BREAKER AROUND THE TWO STEEL CANOPY COLUMNS. ADD BACKER ROD AND SEALANT.

CONTRACTOR NOTES

ALL DIMENSIONS ARE ROUNDED UP TO THE NEAREST INCH. NEW SIDEWALKS LAY IN THE SAME APPROXIMATE LOCATION AS THE SIDEWALKS REMOVED.

PROVIDE TOP SOIL, FERTILIZE, SEED AND STRAW AT ALL THE AREAS DISTURBED DURING CONSTRUCTION.

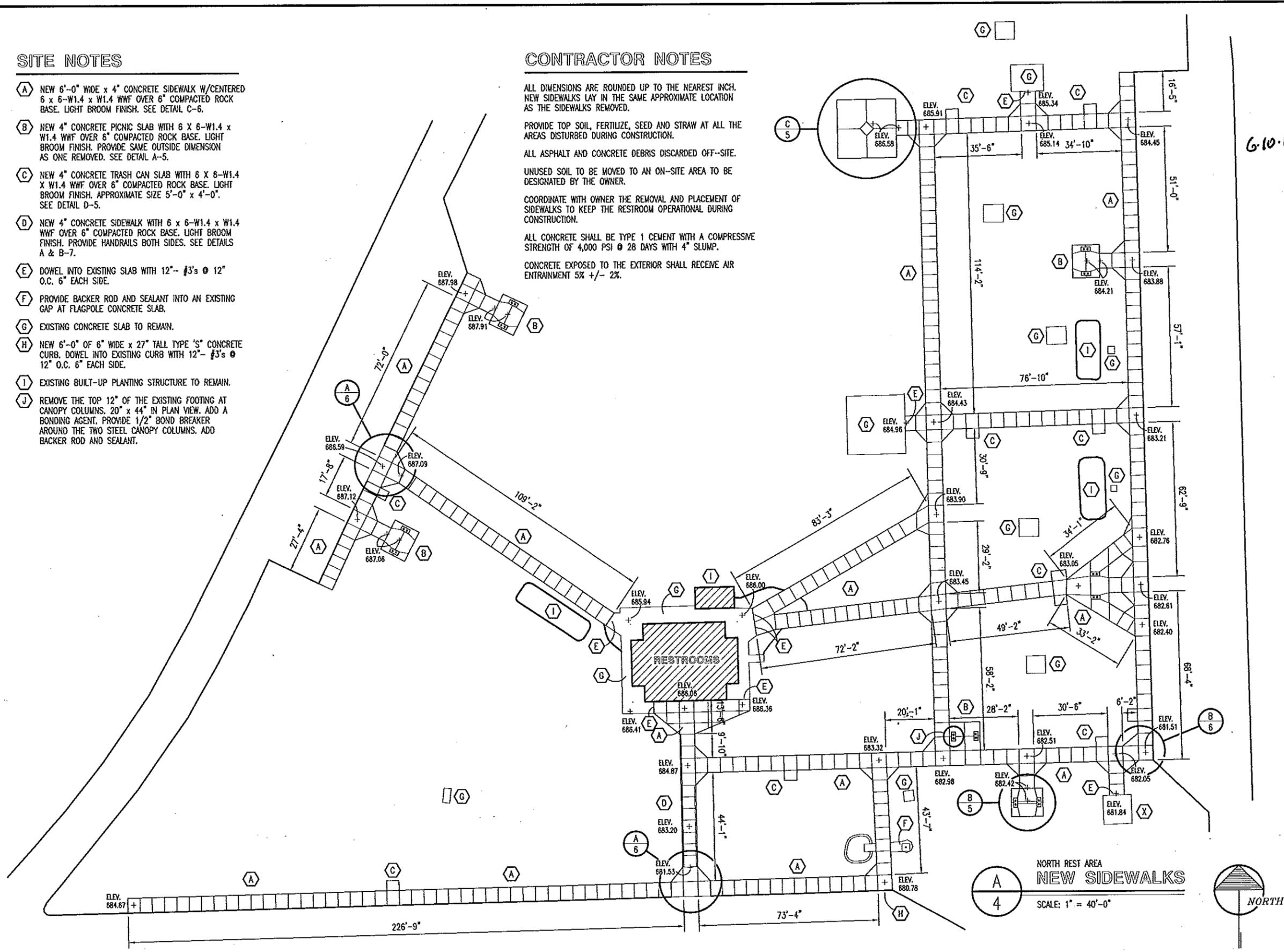
ALL ASPHALT AND CONCRETE DEBRIS DISCARDED OFF-SITE.

UNUSED SOIL TO BE MOVED TO AN ON-SITE AREA TO BE DESIGNATED BY THE OWNER.

COORDINATE WITH OWNER THE REMOVAL AND PLACEMENT OF SIDEWALKS TO KEEP THE RESTROOM OPERATIONAL DURING CONSTRUCTION.

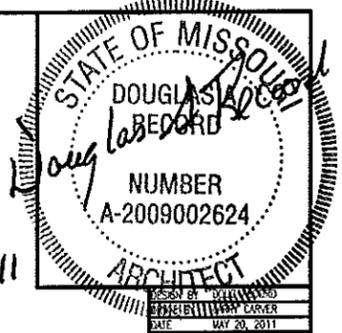
ALL CONCRETE SHALL BE TYPE 1 CEMENT WITH A COMPRESSIVE STRENGTH OF 4,000 PSI @ 28 DAYS WITH 4" SLUMP.

CONCRETE EXPOSED TO THE EXTERIOR SHALL RECEIVE AIR ENTRAINMENT 5% +/- 2%.



A 4 NORTH REST AREA
NEW SIDEWALKS
 SCALE: 1" = 40'-0"
 NORTH

6.10.11



DISTRICT #5
 Boonville Rest Area Sidewalks
 BOONVILLE, MISSOURI

MISSOURI DEPARTMENT
 OF TRANSPORTATION
 DIVISION OF GENERAL SERVICES
 FACILITIES MANAGEMENT

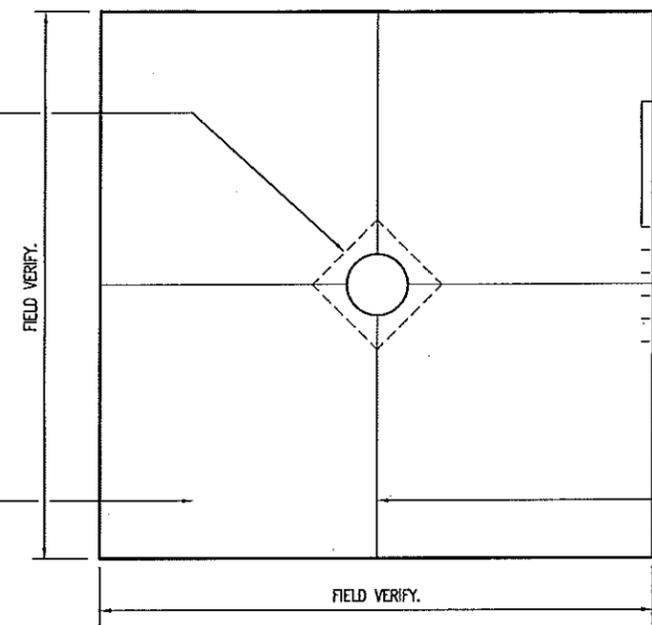
N. Rest Area New Sidewalks



6-10-11

REMOVE THE TOP 12" OF THE EXISTING FOOTING AT THE CANOPY COLUMN. ADD BONDING AGENT TO THE REMAINING FOOTING. PROVIDE 1/2" BOND BREAKER, BACKER ROD AND SEALANT AROUND COLUMN.

NEW 4" CONCRETE SLAB WITH 6 x 6 - W1.4 x W1.4 OVER 6" COMPACTED ROCK BASE. PROVIDE SAME OUTSIDE DIMENSION AS ONE REMOVED. LIGHT BROOM FINISH. (TYPICAL)



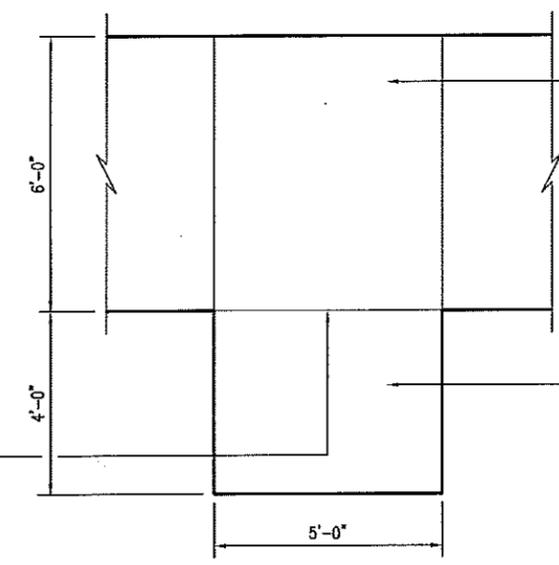
12"-#3's @12" O.C. 6" EACH SIDE CENTERED IN SLAB. (TYPICAL)

NEW 6'-0" WIDE x 4" CONCRETE SIDEWALK W/CENTERED 6 x 6-W1.4 x W1.4 WWF OVER 6" COMPACTED ROCK BASE. LIGHT BROOM FINISH. (TYPICAL)

EXPANSION JOINT WITH BACKER ROD AND SEALANT. (TYPICAL)

1" DEEP SAWN CONTROL JOINT WITH BACKER ROD AND SEALANT. (TYPICAL)

C
5
PICNIC SLAB
SCALE: 1/8" = 1'-0"



NEW 6'-0" WIDE x 4" CONCRETE SIDEWALK W/CENTERED 6 x 6-W1.4 x W1.4 WWF OVER 6" COMPACTED ROCK BASE. LIGHT BROOM FINISH. (TYPICAL)

NEW 4" CONCRETE SLAB WITH 6 x 6 - W1.4 x W1.4 OVER 6" COMPACTED ROCK BASE. LIGHT BROOM FINISH. (TYPICAL)

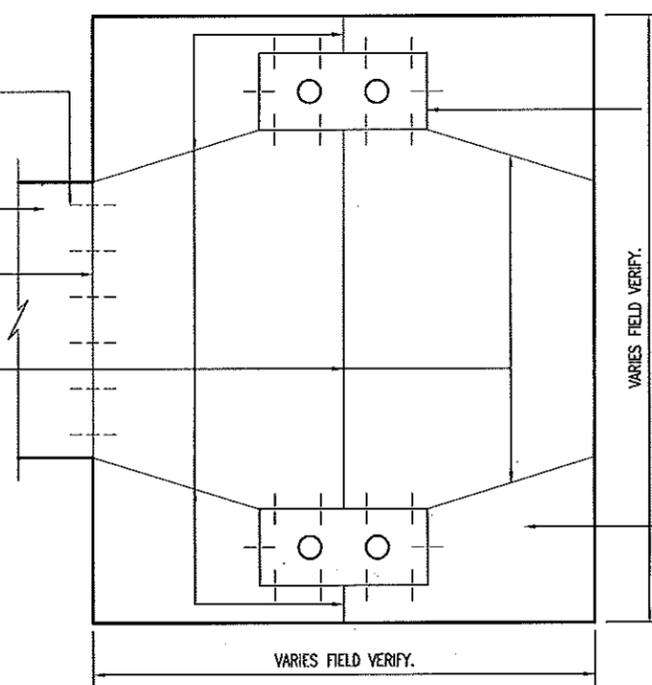
D
5
TRASH CAN SLAB
SCALE: 1/8" = 1'-0"

12"-#3's @12" O.C. 6" EACH SIDE CENTERED IN SLAB. (TYPICAL)

NEW 6'-0" WIDE, x 4" CONCRETE SIDEWALK W/CENTERED 6 x 6-W1.4 x W1.4 WWF OVER 6" COMPACTED ROCK BASE. LIGHT BROOM FINISH. (TYPICAL)

EXPANSION JOINT WITH BACKER ROD AND SEALANT. (TYPICAL)

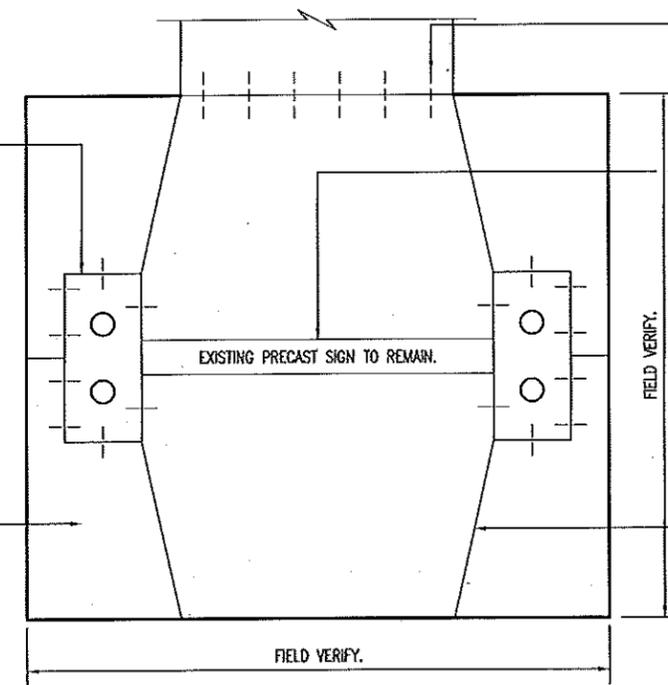
1" DEEP SAWN CONTROL JOINT WITH BACKER ROD AND SEALANT. (TYPICAL)



EXISTING FOOTINGS, STEEL COLUMNS AND CANOPIES TO REMAIN. PROTECT DURING CONSTRUCTION. DOWEL 8"-#3's AS SHOWN 3" BELOW TOP OF NEW SLAB ON BOTH SIDES. (TYPICAL)

NEW 4" CONCRETE SLAB WITH 6 x 6 - W1.4 x W1.4 OVER 6" COMPACTED ROCK BASE. PROVIDE SAME OUTSIDE DIMENSION AS ONE REMOVED. LIGHT BROOM FINISH. (TYPICAL)

A
5
PICNIC SLAB
SCALE: 1/4" = 1'-0"



12"-#3's @12" O.C. 6" EACH SIDE CENTERED IN SLAB. (TYPICAL)

SAWCUT AND REMOVE EXISTING CONCRETE SLAB UP TO EXISTING CONCRETE MODOT SIGNAGE ON BOTH SIDES. PROVIDE BACKER ROD & SEALANT.

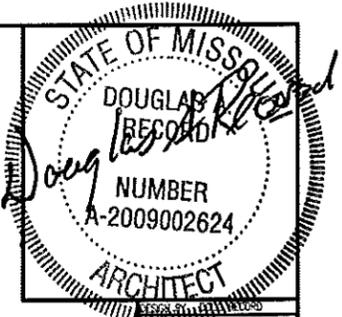
1" DEEP SAWN CONTROL JOINT WITH BACKER ROD AND SEALANT. (TYPICAL)

B
5
SIGN SLAB
SCALE: 1/4" = 1'-0"

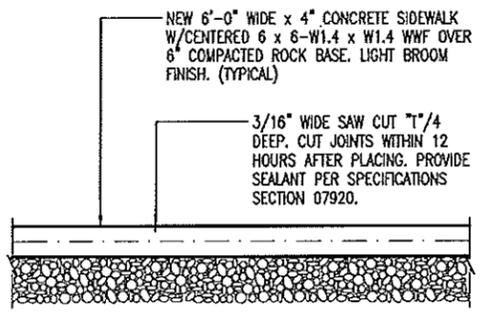
DISTRICT #5
Boonville Rest Area Sidewalks
BOONVILLE, MISSOURI

MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES/FACILITIES MANAGEMENT

DETAILS



6-10-11



C SIDEWALK DETAIL
SCALE: 1/2" = 1'-0"

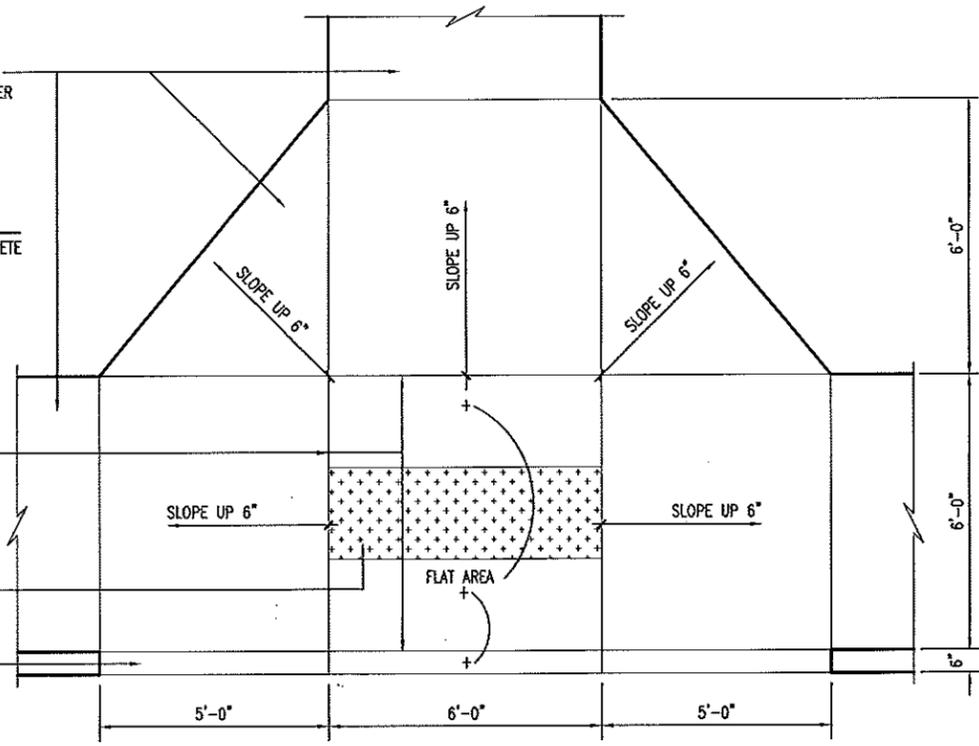
NEW 6'-0" WIDE x 4" CONCRETE SIDEWALK
W/CENTERED 6 x 6-W1.4 x W1.4 WWF OVER
6" COMPACTED ROCK BASE. LIGHT BROOM
FINISH. (TYPICAL)

CONTRACTOR NOTE:
H.C. RAMP(S) TO HAVE RED DYE IN CONCRETE
MIX. (TYPICAL)

EXPANSION JOINT WITH BACKER ROD AND
SEALANT. (TYPICAL)

ADA APPROVED TRUNCATED DOME AND
DETECTABLE WARNING AREA. 24" x 72".
(TYPICAL)

PROVIDE TYPE 'S' CURB. SLOPE WHERE
REQUIRED.



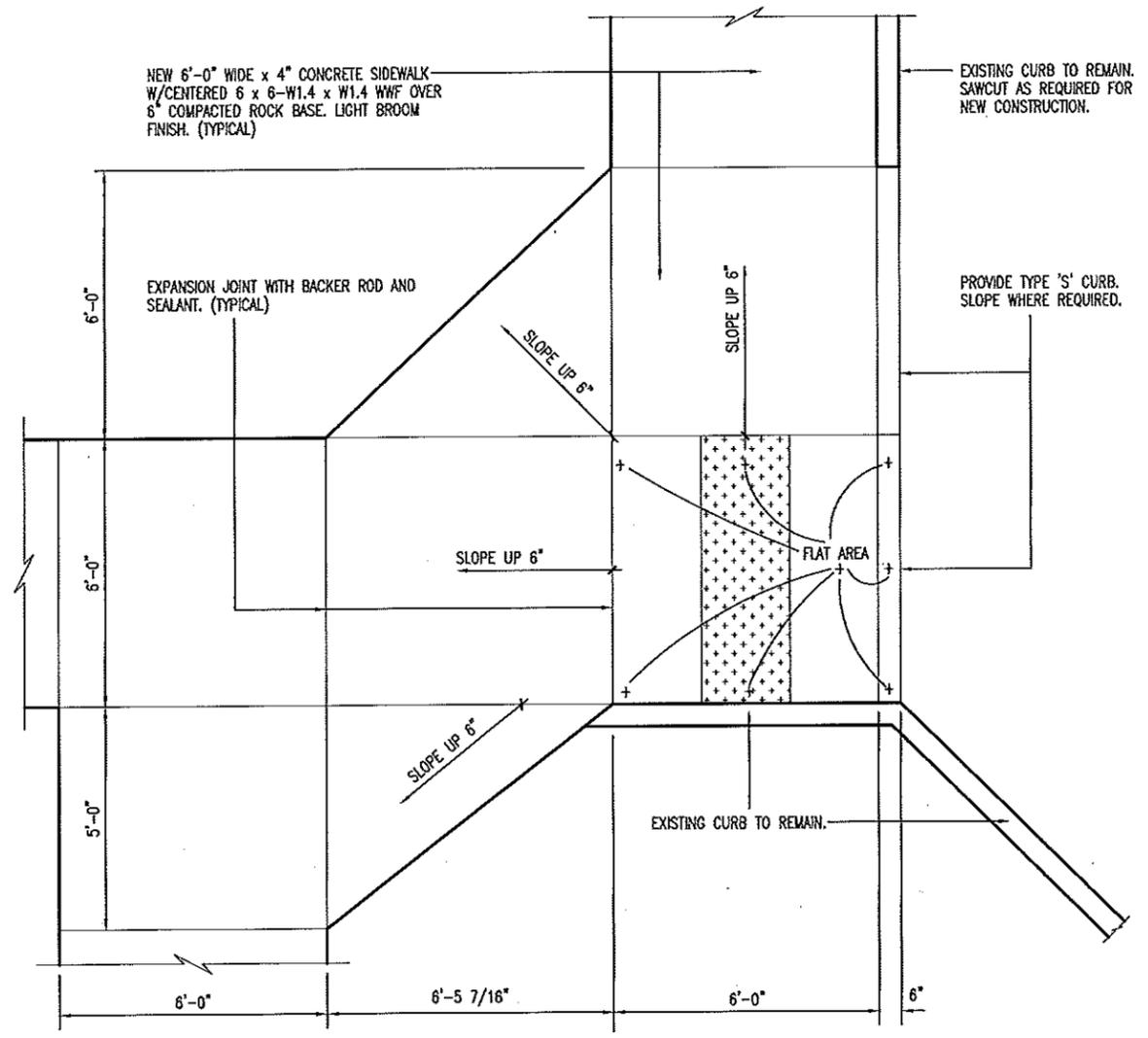
A H.C. RAMP
SCALE: 1/4" = 1'-0"

NEW 6'-0" WIDE x 4" CONCRETE SIDEWALK
W/CENTERED 6 x 6-W1.4 x W1.4 WWF OVER
6" COMPACTED ROCK BASE. LIGHT BROOM
FINISH. (TYPICAL)

EXPANSION JOINT WITH BACKER ROD AND
SEALANT. (TYPICAL)

EXISTING CURB TO REMAIN.
SAWCUT AS REQUIRED FOR
NEW CONSTRUCTION.

PROVIDE TYPE 'S' CURB.
SLOPE WHERE REQUIRED.



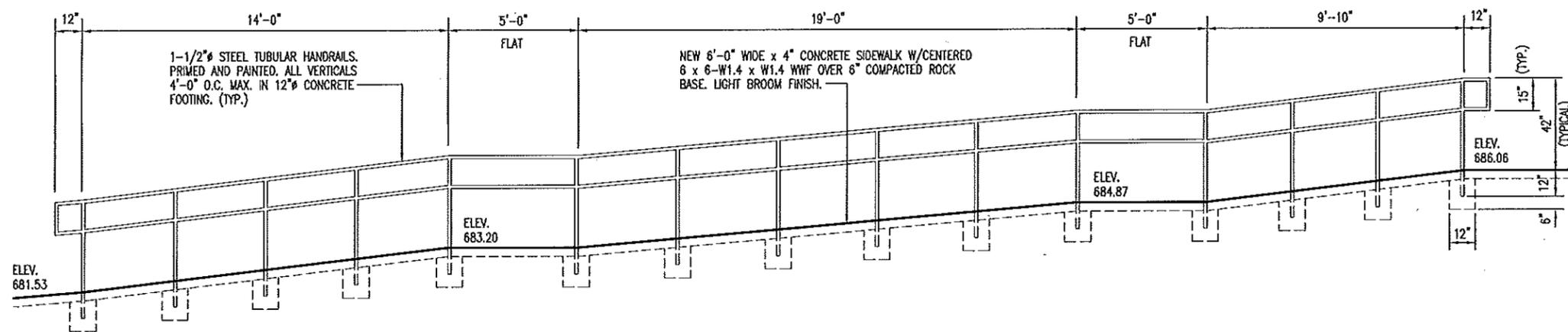
B H.C. RAMP
SCALE: 1/4" = 1'-0"

DISTRICT #5
Boonville Rest Area Sidewalks
BOONVILLE, MISSOURI

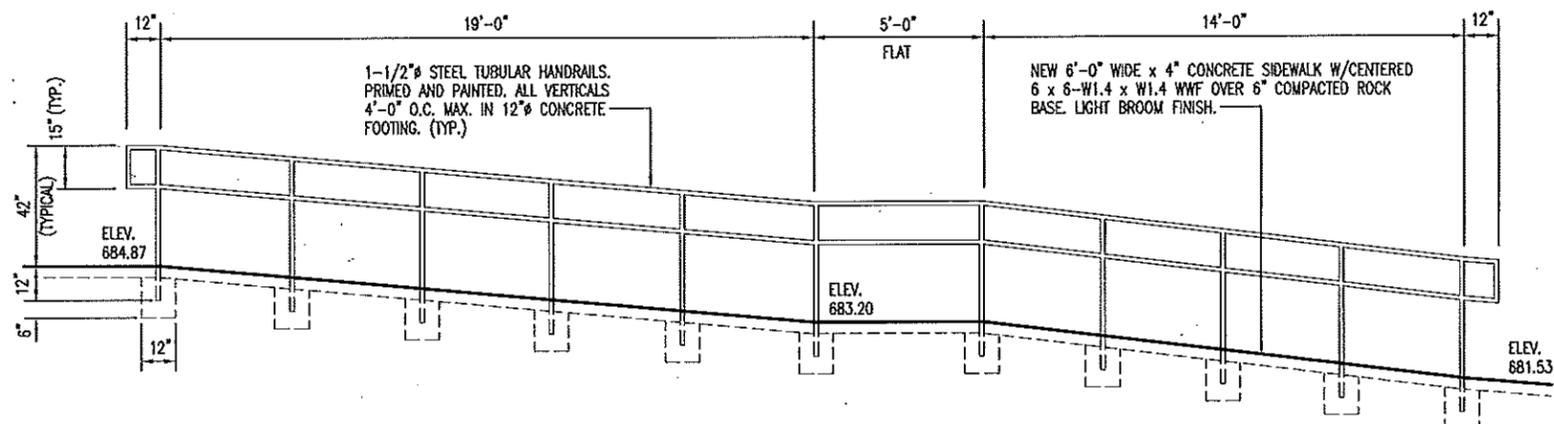
MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

DETAILS

6-10-11



B
WEST
HANDRAIL ELEVATION
SCALE: 3/16" = 1'-0"

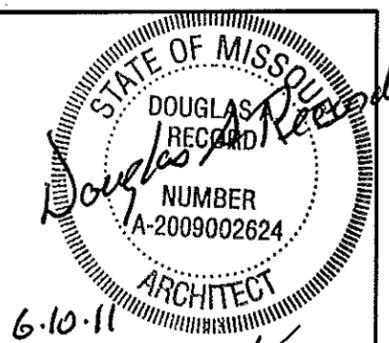


A
EAST
HANDRAIL ELEVATION
SCALE: 3/16" = 1'-0"

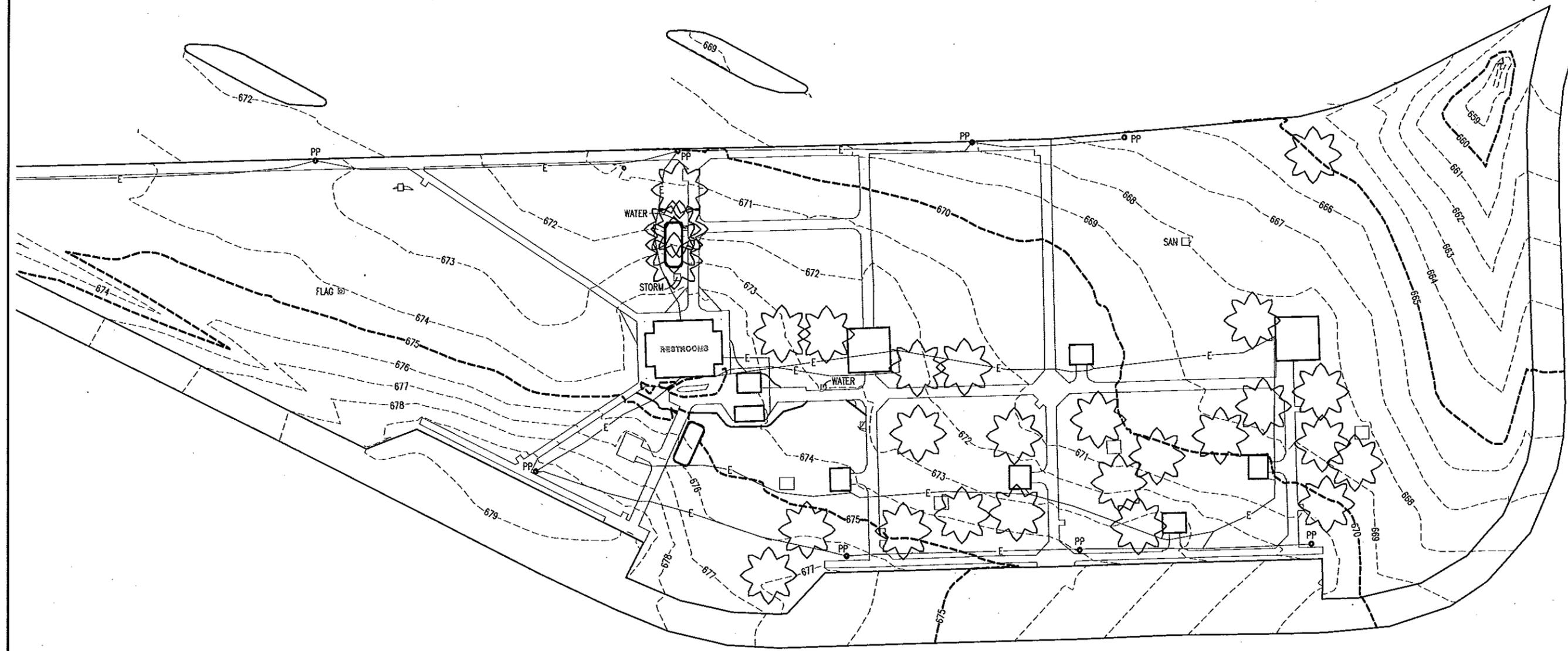
DISTRICT #5
Boonville Rest Area Sidewalks
BOONVILLE, MISSOURI

MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES/FACILITIES MANAGEMENT

HANDRAIL ELEVATIONS



CONTRACTOR NOTES
 ALL TREES TO BE PROTECTED DURING CONSTRUCTION.
 ALL UTILITIES TO BE PROTECTED DURING CONSTRUCTION.



A SOUTH REST AREA (EXISTING)
8 **SITE PLAN**
 SCALE: 1" = 60'-0"
 NORTH

SOUTH REST AREA SITE PLAN

MISSOURI DEPARTMENT
 OF TRANSPORTATION
 DIVISION OF GENERAL SERVICES
 BUILDINGS AND GROUNDS

DISTRICT #5
 Boonville Rest Area Sidewalks
 BOONVILLE, MISSOURI

DESIGN BY: LARRY CARVER
 DRAWN BY: LARRY CARVER
 DATE: May 20, 2011
 Sheet 8 of 13

SITE NOTES

- ① CONCRETE SIDEWALK TO BE REMOVED. EXCAVATE FOR NEW 6" COMPACTED ROCK BASE. UNUSED SOIL TO BE MOVED TO AN ON-SITE AREA TO BE DESIGNATED BY THE OWNER.
- ② ASPHALT AREA BETWEEN EXISTING SIDEWALK AND CRUB TO BE REMOVED.
- ③ EXISTING BUILT-UP PLANTING STRUCTURE TO REMAIN.
- ④ REMOVE EXISTING HANDICAPPED RAMP. PREPARE FOR NEW HANDICAPPED RAMP AS REQUIRED.
- ⑤ CONCRETE SLAB TO BE REMOVED. EXCAVATE FOR NEW 6" COMPACTED ROCK BASE. UNUSED SOIL TO BE MOVED TO AN ON-SITE AREA TO BE DESIGNATED BY THE OWNER.

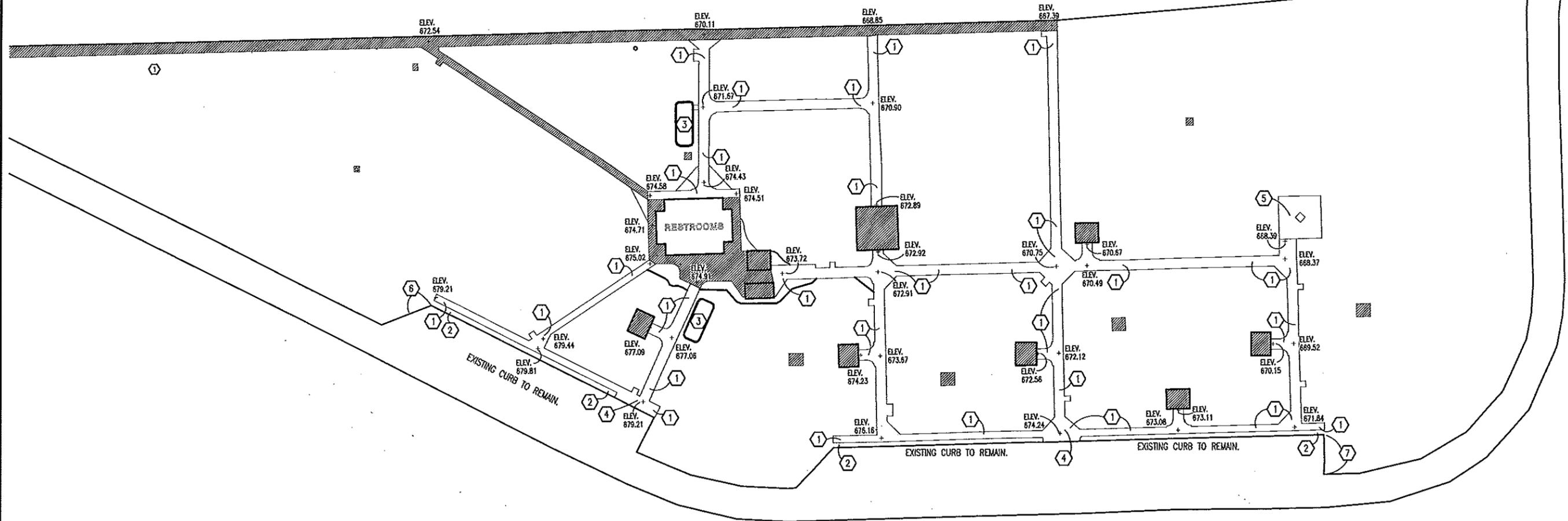
- ⑥ SAW CUT AND REMOVE 13'-0" OF TYPE 'S' CURB.
- ⑦ SAW CUT AND REMOVE 23'-0" OF TYPE 'S' CURB.

CONTRACTOR NOTES

SIDEWALKS OR SLABS SHOWN HATCHED ARE TO REMAIN. REMOVE ALL OTHERS. DISCARD ALL ASPHALT & CONCRETE DEBRIS OFF-SITE.

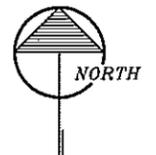


ALL PICNIC ROOF AND ITS SUPPORT STRUCTURES TO REMAIN. PROTECT DURING CONSTRUCTION.



A
9

SOUTH REST AREA SIDEWALK
DEMOLITION
SCALE: 1" = 60'-0"

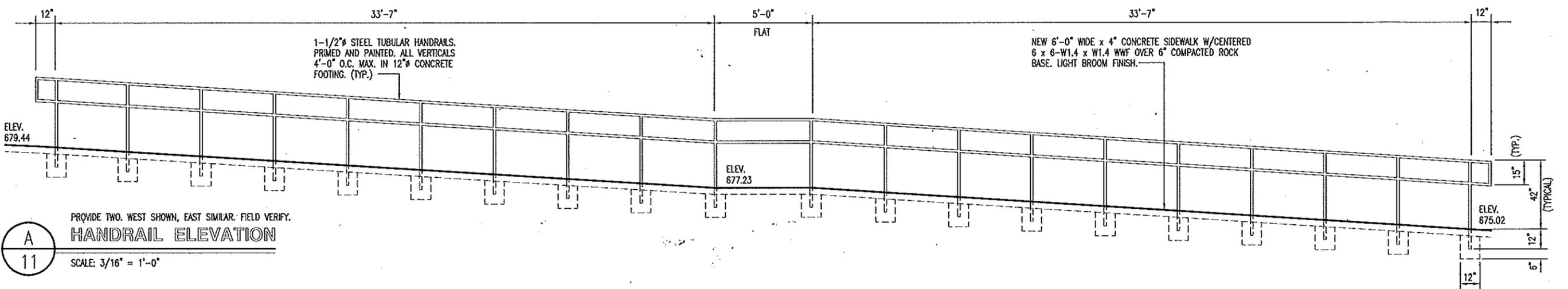
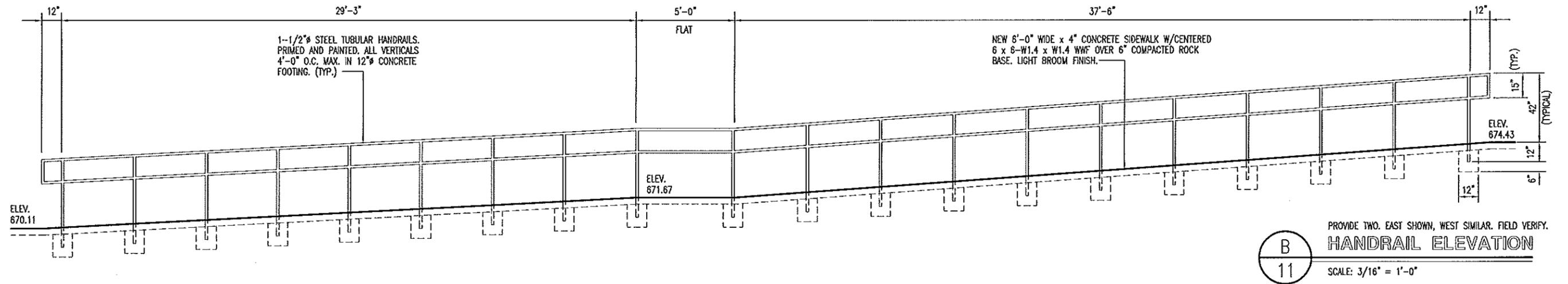
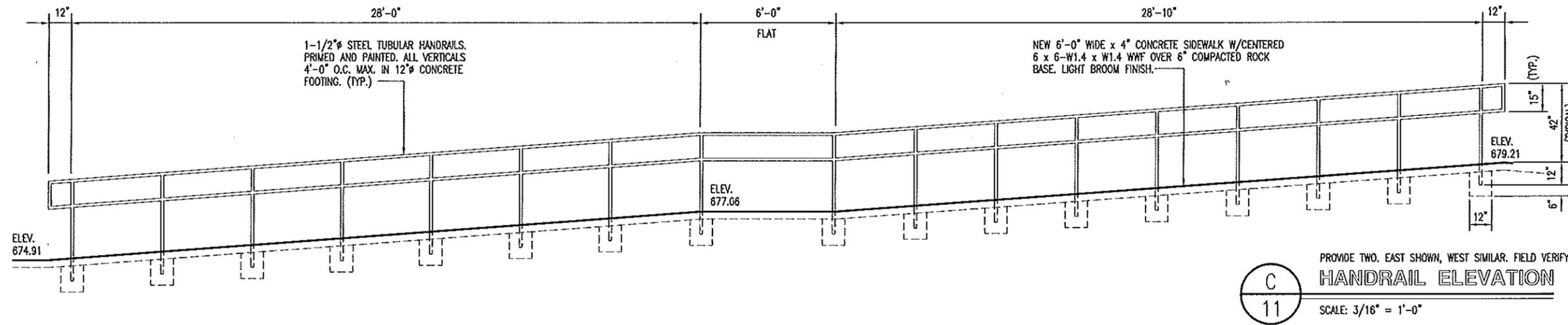
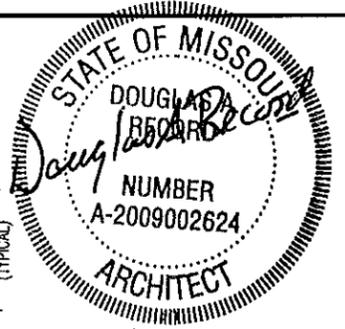


SOUTH DEMOLITION PLAN

MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
BUILDINGS AND GROUNDS

DISTRICT #5
Boonville Rest Area Sidewalks
BOONVILLE, MISSOURI

DESIGN BY: LARRY CARYER
DRAWN BY: LARRY CARYER
DATE: May 20, 2011
Sheet 9 of 13

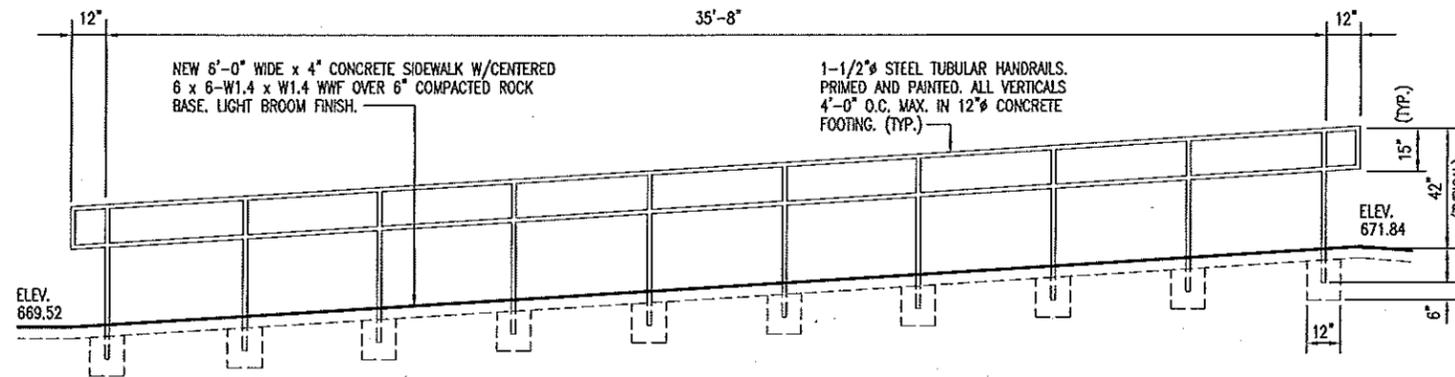


HANDRAIL ELEVATIONS

MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
BUILDINGS AND GROUNDS

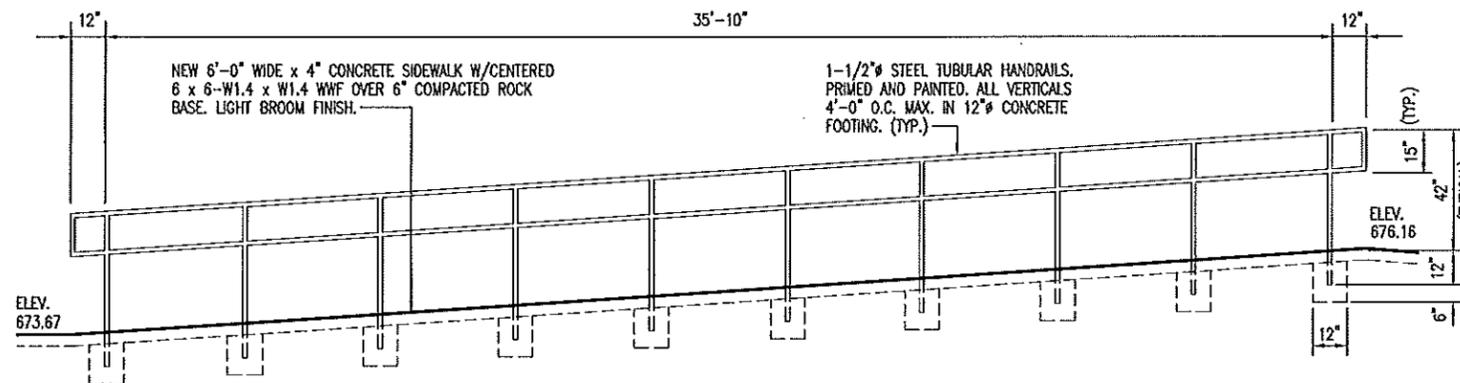
DISTRICT #5
Boonville Rest Area Sidewalks
BOONVILLE, MISSOURI

DESIGN BY: LARRY CARVER
DRAWN BY: LARRY CARVER
DATE: May 20, 2011
Sheet 11 of 13



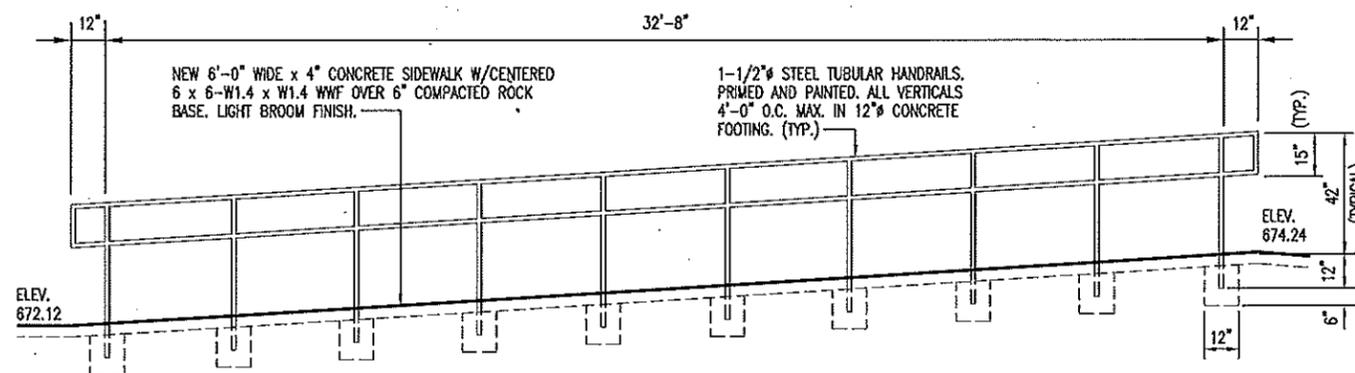
C
12

PROVIDE TWO. EAST SHOWN, WEST SIMILAR. FIELD VERIFY.
HANDRAIL ELEVATION 6.10.11
SCALE: 3/16" = 1'-0"



B
12

PROVIDE TWO. EAST SHOWN, WEST SIMILAR. FIELD VERIFY.
HANDRAIL ELEVATION
SCALE: 3/16" = 1'-0"



A
12

PROVIDE TWO. EAST SHOWN, WEST SIMILAR. FIELD VERIFY.
HANDRAIL ELEVATION
SCALE: 3/16" = 1'-0"

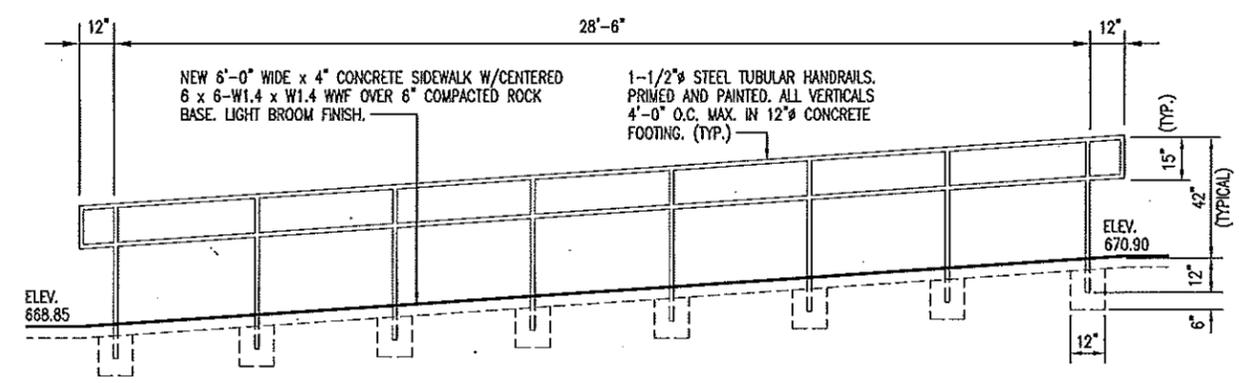
HANDRAIL ELEVATIONS

MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
BUILDINGS AND GROUNDS

DISTRICT #5
Boonville Rest Area Sidewalks
BOONVILLE, MISSOURI

DESIGN BY: LARRY CARVER
DRAWN BY: LARRY CARVER
DATE: May 20, 2011
Sheet 12 of 13

STATE OF MISSOURI
 DOUGLAS RECORD
 NUMBER
 A-2009002624
 ARCHITECT
 6-10-11



PROVIDE TWO. EAST SHOWN, WEST SIMILAR. FIELD VERIFY.
HANDRAIL ELEVATION
 SCALE: 3/16" = 1'-0"

A
 13

HANDRAIL ELEVATIONS

MISSOURI DEPARTMENT
 OF TRANSPORTATION
 DIVISION OF GENERAL SERVICES
 BUILDINGS AND GROUNDS

DISTRICT #5
 Boonville Rest Area Sidewalks
 BOONVILLE, MISSOURI

DESIGN BY: LARRY CARVER
 DRAWN BY: LARRY CARVER
 DATE: May 20, 2011
 Sheet
 13 of 13