

State of Utah—Department of Administrative Services  
 DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT  
 4110 State Office Building/Salt Lake City, Utah 84114/538-3018

INDEX TO SHEETS

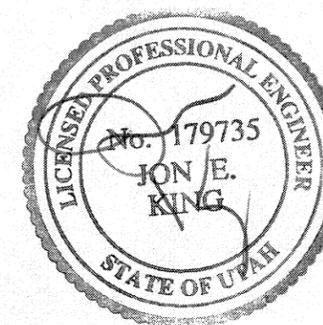
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C-501	DETAILS

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 CREATED BY: KING ENGINEERING, INC.

**MATHESON COURTHOUSE  
 ADA RAMP REPLACEMENT**

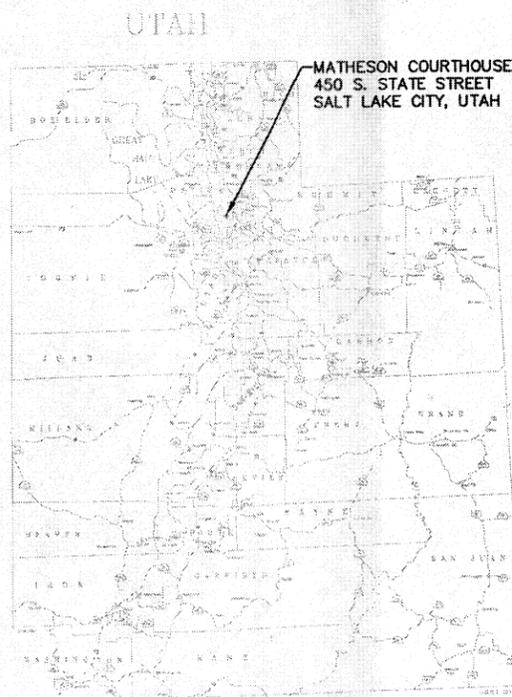
# STATE OF UTAH DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

## MATHESON COURTS BUILDING ADA RAMP REPLACEMENT PROJECT NO. 08066150

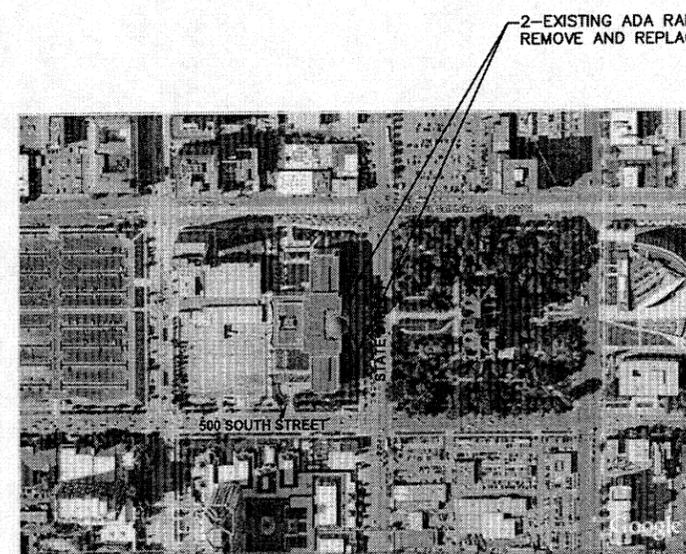


GENERAL CONSTRUCTION NOTES:

1. ALL CONSTRUCTION SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT AND SALT LAKE CITY. IN ADDITION, ALL WORK SHALL COMPLY WITH THE PROJECT DRAWINGS AND PROJECT SPECIFICATIONS. IF CONFLICTS ARE NOTED, CONTRACTOR SHALL CONTACT ENGINEER PRIOR TO START OF CONSTRUCTION.
2. CONTRACTOR SHALL COORDINATE WITH ALL GOVERNING AGENCIES FOR ALL PERMITS AND BONDS REQUIRED FOR CONSTRUCTION. CONTRACTOR SHALL ALSO BE RESPONSIBLE TO COORDINATE WITH APPROPRIATE AUTHORITIES FOR INSPECTION AND REVIEW OF WORK.
3. CONTRACTOR IS RESPONSIBLE FOR ALL PROJECT SAFETY, INCLUDING, BUT NOT LIMITED TO BARRICADES, SIGNING, TRAFFIC CONTROL AND SECURITY.
4. CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN UP-TO-DATE "AS-BUILT" DRAWINGS THROUGHOUT THE PROJECT. THESE DRAWINGS SHALL BE PROVIDED TO THE OWNER UPON COMPLETION OF THE PROJECT.
5. CONTRACTOR SHALL TAKE THE NECESSARY MEASURES TO PROTECT ALL FACILITIES (I.E. LIGHT POLES, TRASH CANS, MISC. FEATURES OUTSIDE OF THE WORK AREAS ETC.) DURING CONSTRUCTION.
6. CONTRACTOR SHALL VERIFY ALL EXISTING PROJECT MONUMENTS AND CONTROL, AND NOTIFY ENGINEER OF ANY PROBLEMS PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL MAINTAINING OR RESTORING ALL MONUMENTS AND MONUMENT REFERENCE MARKS WITHIN THE PROJECT SITE.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY TRAFFIC CONTROL FOR MATERIALS REMOVAL AND DELIVERIES DURING THE CONSTRUCTION OF THE PROJECT.
8. ALL TRAFFIC CONTROL (I.E. SIGNAGE, CONES, BARRICADES) SHALL CONFORM TO THE MOST CURRENT EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND SALT LAKE CITY REQUIREMENTS FOR REMOVALS AND DELIVERIES.
9. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT AND STAKING.
10. THE CONTRACTOR SHALL NOTIFY COURTS AND DFCM STAFF 48 HOURS PRIOR TO EXCAVATING.
11. THE CONTRACTOR SHALL PROVIDE AND ON-SITE TOILET FOR THE DURATION OF THE PROJECT.
12. THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE ADA RAMP ACCESSIBLE AND USABLE FOR HANDICAPPED ACCESS AT ALL TIMES.
13. THE CONTRACTOR SHALL BARRICADE AND SIGN ALL WORK AREAS DENYING ACCESS TO ALL BUT THE CONTRACTORS EMPLOYEES AND SUBCONTRACTORS.
14. THE CONTRACTOR SHALL PROTECT THE EXISTING SIDEWALK AND CURB AND GUTTER FROM DAMAGE DURING DELIVERIES AND REMOVALS. IF NECESSARY THE CONTRACTOR SHALL PROVIDE TRAFFIC PLATES FOR TRUCK ACCESS TO THE WORK AREAS. THE CONTRACTOR SHALL REPAIR ALL DAMAGE TO THE LANDSCAPING DUE TO VEHICLE ACCESS.



VICINITY MAP



LOCATION MAP

SITE/LOCATION:

MATHESON COURTS BUILDING  
 450 S. STATE STREET  
 SALT LAKE CITY, UTAH

PROJECT TITLE:

ADA RAMP REPLACEMENT

MARK DATE DESCRIPTION

ISSUE TYPE: BID SET

ISSUE DATE: DECEMBER 3, 2008

DFCM PROJECT NO: 08066150

CAD PROJECT NO: 08-3333

CAD DWG FILE: G-001.DWG

DRAWN BY: JEK

CHECKED BY: JEK

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SHEET TITLE

TITLE SHEET

SHEET NUMBER

G-001

SHEET 1 OF 4

**MATHESON COURTHOUSE  
 ADA RAMP REPLACEMENT**

**ADA RAMP REPLACEMENT NOTES**

1. CONTRACTOR SHALL COMPLETELY REMOVE THE EXISTING CONCRETE RAMPS (PHASED DEMOLITION WITH ONE RAMP REMAINING IN SERVICE AT ALL TIMES) INCLUDING BASE MATERIAL AND DISPOSE OF AT AN APPROVED FACILITY OFF-SITE.
2. THE CONTRACTOR HAS THE OPTION OF REMOVING, SALVAGING, REHABILITATING, MODIFYING AND REUSING THE EXISTING METAL RAILING OR FURNISHING AND INSTALLING A NEW METAL RAILING MEETING THE REVISED RAMP PROFILE. THE FABRICATOR OF THE EXISTING METAL RAILING IS METALS MANUFACTURING COMPANY AT 972-0911 (CONTACT JOHN TSCHAGGENY CELL 808-1479).
3. THE CONTRACTOR SHALL REPLACE THE REMOVED RAMP WITH A NEW CONCRETE RAMP MATCHING THE EXISTING RAMPS LOCATION, DIMENSIONS, THICKNESS AND ELEVATIONS EXCEPT WHERE EXPLICITLY SHOWN ON THE PLAN, PROFILE AND DETAILS.
4. CONTRACTOR SHALL MODIFY AND/OR REPLACE THE EXISTING LANDSCAPING ABUTTING THE EXISTING RAMPS INCLUDING SOD, BUSHES, PLANTERS, IRRIGATION PIPE, VALVE BOXES, SPRINKLER HEADS, ETC. AND SHALL RESTORE THEM TO THEIR PRE-PROJECT CONDITION AND FUNCTIONALITY.
5. THE CONTRACTOR SHALL PROTECT THE EXISTING LIGHTS AND LIGHT PEDESTALS IN-PLACE THAT ARE ADJACENT TO THE EXISTING RAMPS.
6. THE CONTRACTOR SHALL MINIMIZE ENCROACHMENT ONTO PUBLIC SIDEWALKS AND THE BUILDING ENTRANCE AND SHALL BARRICADE AND PHYSICALLY DENY ACCESS TO PEDESTRIANS.

**EXISTING HANDRAILS AT RAMPS NOTES**

1. THE CONTRACTOR SHALL HAVE THE OPTION OF REMOVING, SALVAGING, MODIFYING AND STORING THE EXISTING METAL RAILINGS ON-SITE AND RE-USING THEM IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS OR FURNISHING AND INSTALLING NEW HANDRAIL AND GUARDRAIL IN COMPLIANCE WITH THESE PLANS AND SPECIFICATIONS.
2. THE CONTRACTOR SHALL IMPROVE THE SAFETY AND SHALL UPGRADE THE ADA COMPLIANCE OF THE TWO EXISTING RAILS ALONG THE BUILDING SIDE OF THE RAMP. SEE DETAIL D SHEET C-501.
3. THE CONTRACTOR SHALL SANDBLAST AND REPAINT THE EXISTING RAILS TO MATCH THE EXISTING FLAT BLACK FINISH - EXCEPT FOR THE TOP SIDE OF THE TOP RAIL WHICH SHALL REMAIN UNFINISHED.
4. THE CONTRACTOR SHALL MODIFY EACH EXISTING RAIL COLUMN ANCHOR IN ACCORDANCE WITH DETAIL E SHEET C-501 AND SHALL REINSTALL THE RAIL ALSO IN ACCORDANCE WITH DETAIL E SHEET C-501.
5. ALL WORK ASSOCIATED WITH REMOVING, STORING, REFURBISHING AND REFINISHING THE EXISTING ADA RAMP HANDRAILS, POSTS AND COLUMNS SHALL BE INCLUDED IN THE BASE BID.

**EXISTING HANDRAILS AT ENTRANCE NOTES**

1. ALL HANDRAILS AND POSTS AT THE FRONT ENTRANCE NOT LOCATED ALONG AN EXISTING ADA RAMP SHALL BE REFINISHED IN-PLACE.
2. THE CONTRACTOR SHALL WIRE BRUSH OR GRIND THE EXISTING FINISH OF ALL OF THE FLAT BLACK SURFACE AND SHALL REPAINT WITH A FLAT BLACK FINISH. THE CONTRACTOR SHALL LEAVE THE TOP SIDE OF THE EXISTING TOP HANDRAIL UNFINISHED. SANDBLASTING IS NOT ALLOWED.
3. THE CONTRACTOR SHALL CLEARLY SIGN AND BARRICADE EACH HANDRAIL AS IT IS BEING WORKED ON AND SHALL RESTRICT PEDESTRIAN ACCESS TO ALL WORK AREAS. THE CONTRACTOR SHALL PHASE THE WORK SUCH THAT ONE HANDRAILS IS AVAILABLE FOR PUBLIC USE AT ALL TIMES.
4. ALL WORK ASSOCIATED WITH REFINISHING THE ENTRANCE HANDRAILS NOT DIRECTLY LOCATED ON THE TWO EXISTING ADA RAMPS SHALL BE INCLUDED AS ALTERNATE 1 WORK.

**LEGEND**

- LIMITS OF BASE BID WORK
- EXISTING HANDRAILS AT ENTRANCE REFINISH ALTERNATE 1

**ADA RAMP REPLACEMENT NOTES (CONT.)**

7. CONTROL JOINTS SHALL BE CUT IN THE NEW CONCRETE RAMPS DOWN THE CENTER OF THE RAMP AND AT 3' INTERVALS. EXPANSION JOINTS SHALL BE PLACED AT 9' INTERVALS AND WHERE THE NEW CONCRETE ABUTS EXISTING CONCRETE. SEE DETAIL C SHEET C-501.
8. THE CONTRACTOR SHALL KEEP THE SITE CLEAN AND SWEEP INCLUDING THE VEHICLE ACCESS AND WORK AREA ENTRANCES/EXITS.
9. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND QUANTITIES PRIOR TO BIDDING.
10. SEE SHEET C-101 FOR RAMP PROFILES.
11. THE CONTRACTOR SHALL MATCH THE EXISTING LAYOUT OF RAMP TIE-INS TO THE EXISTING PUBLIC SIDEWALK AND THE EXISTING ENTRANCE TO THE FACILITY IN ELEVATION, GEOMETRY AND LOCATION.
12. ALL WORK ASSOCIATED WITH REMOVING AND REPLACING THE EXISTING CONCRETE ADA RAMPS INCLUDING TRAFFIC CONTROL AND RAIL WORK SHALL BE INCLUDED IN THE BASE BID.
13. THE CONTRACTOR SHALL DOWEL INTO THE EXISTING CONCRETE LANDINGS WITH ½" SMOOTH DOWELS AT 8" O.C.

**GENERAL SPECIAL INSPECTION ITEMS (per IBC 1704)**

Areas requiring special inspection:	Name of Agency:	Name of Inspector:	License/Cert. No.
Fabricator (1704.2.2)			
Welding (1704.3.1)			
Concrete (1704.4)			

**DECLARATION BY ARCHITECT/ENGINEER**

I, the design professional in responsible charge for this project, declare that the above listed special inspection and structural testing items are required as part of this project.

Signature: *[Signature]* Date: 12/1/08



**DECLARATION BY OWNER**

I, the Owner of the project, declare that the above listed firm(s) or individual(s) are hired by me to perform special inspections and structural testing for the project pursuant to IBC 1704.1

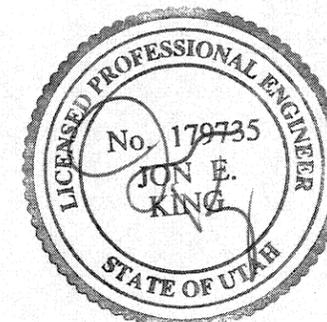
Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**CONTRACTOR RESPONSIBILITY:** The Contractor is responsible for providing the special inspector access to approved plans and contract documents at the job site. All special inspection records shall be retained at the job site by the Contractor and shall be made available to the representative of Courts or the Division of Facilities Construction and Management upon request.

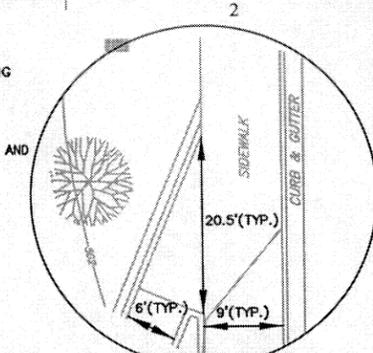
**DECLARATION BY GENERAL CONTRACTOR**

I, the General Contractor of the project, agree to comply with the "Contractor Responsibility" items noted above.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

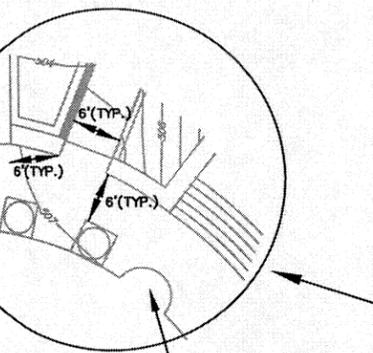


**EXIST LOWER LANDING NOTES**  
 1. THE GRADE AT THE EXISTING LANDING IS LESS THAN 1% TOWARDS THE STREET (BOTH SIDES)  
 2. THE LANDING MEETS THE REQUIREMENTS OF IBC 1010.6 AND ANSI 405.7



EXISTING LOWER LANDING DETAIL AND DIMENSIONS (TYPICAL BOTH SIDES) SCALE 1"=10'

**EXIST UPPER LANDING NOTES**  
 1. THE GRADE AT THE EXISTING LANDING IS LESS THAN 1% TOWARDS THE RAMP (BOTH SIDES)  
 2. THE LANDING MEETS THE REQUIREMENTS OF IBC 1010.6 AND ANSI 405.7



EXISTING UPPER LANDING DETAIL AND DIMENSIONS (TYPICAL BOTH SIDES) SCALE 1"=10'

MATHESON COURTHOUSE

STATE STREET



**SITE/LOCATION:**

MATHESON COURTS BUILDING  
 450 S. STATE STREET  
 SALT LAKE CITY, UTAH

**PROJECT TITLE:**

ADA RAMP REPLACEMENT

**MARK DATE DESCRIPTION**

ISSUE TYPE: BID SET

ISSUE DATE: DECEMBER 3, 2008

DFCM PROJECT NO: 0866150

CAD PROJECT NO: 02-XXX

CAD DWG FILE: C-100.DWG

DRAWN BY: AD

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SHEET TITLE

ADA RAMP PLAN

SHEET NUMBER

C-100

SHEET 2 OF 4



**MATHESON COURTHOUSE  
 ADA RAMP REPLACEMENT**

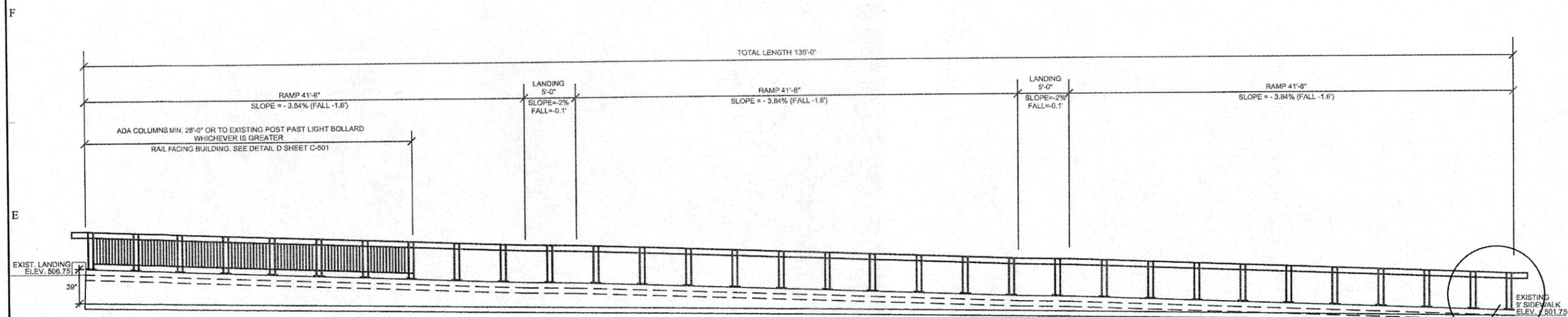
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 MATHESON COURTS BUILDING  
 450 S. STATE STREET  
 SALT LAKE CITY, UTAH

PROJECT TITLE:  
 ADA RAMP REPLACEMENT

MARK DATE DESCRIPTION  
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 ISSUE DATE: DECEMBER 3, 2008  
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 CAD PROJECT NO: 02-XXXX  
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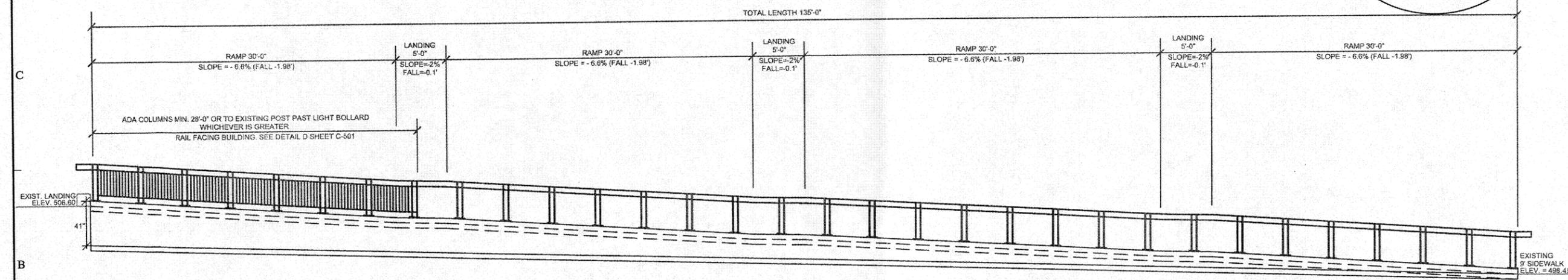
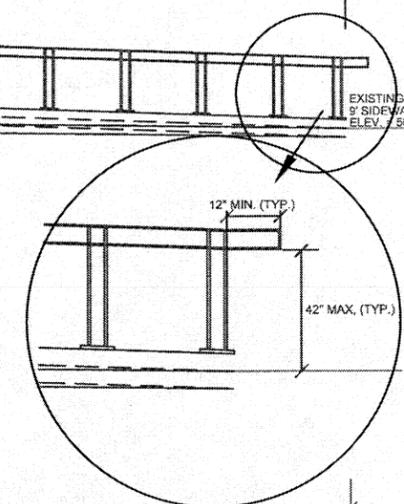
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 ADA RAMP TYP. PROFILE

SHEET NUMBER:  
**C-101**  
 SHEET 3 OF 4



**NORTH RAMP PROFILE (C)**  
 SCALE H 1"=5' : V 1"=5'

NOTES:  
 1. ALL HANDRAILS SHALL COMPLY WITH ALL SECTIONS OF ANSI 505 (SECTIONS 1 THROUGH 10 INCLUSIVE)



**SOUTH RAMP PROFILE (D)**  
 SCALE H 1"=5' : V 1"=5'

NOTES:



**MATHESON COURTHOUSE  
 ADA RAMP REPLACEMENT**

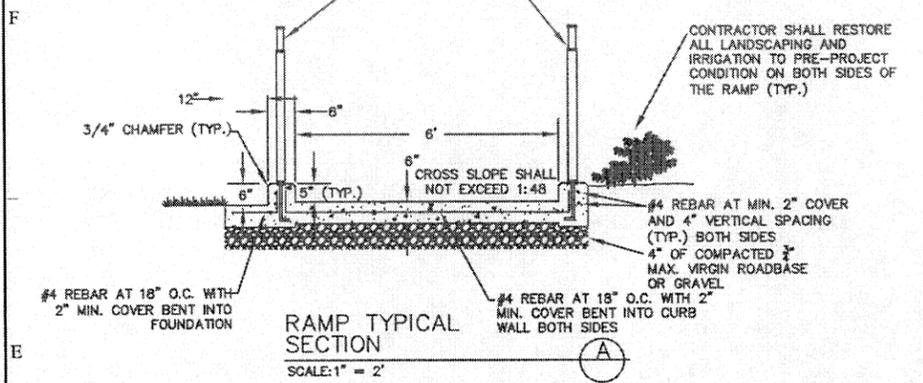
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PROJECT TITLE:  
 ADA RAMP REPLACEMENT

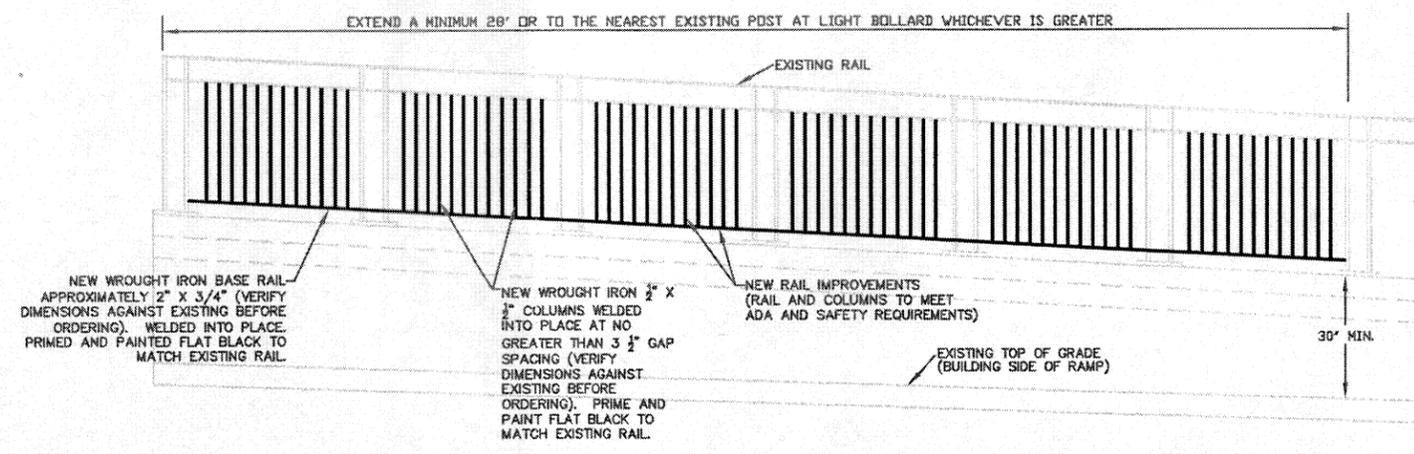
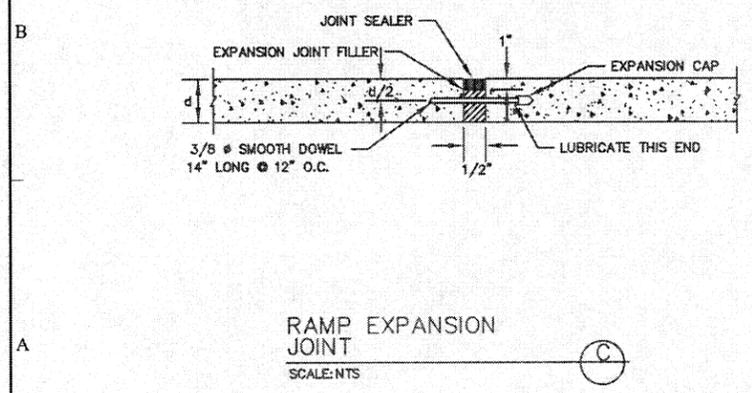
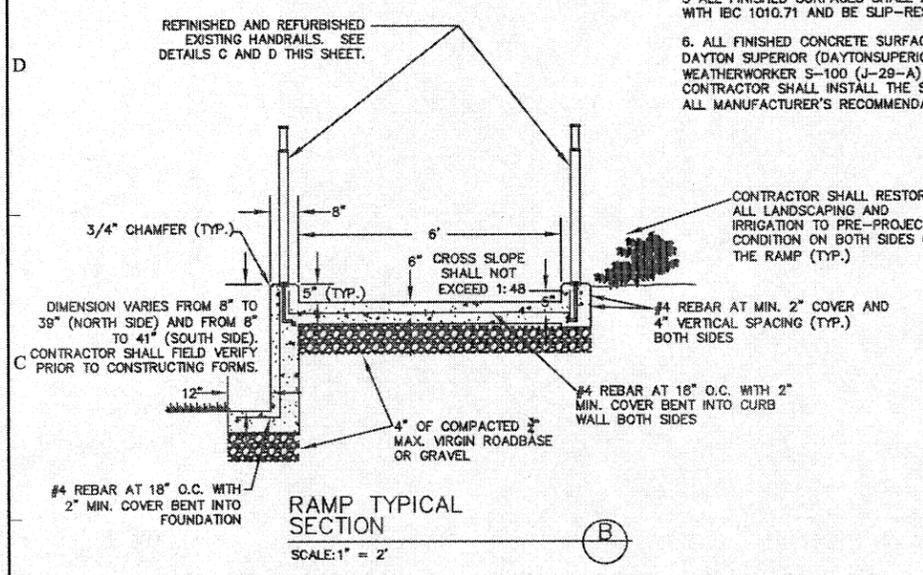
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 ISSUE DATE: DECEMBER 3, 2008

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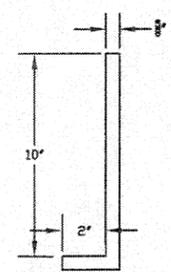
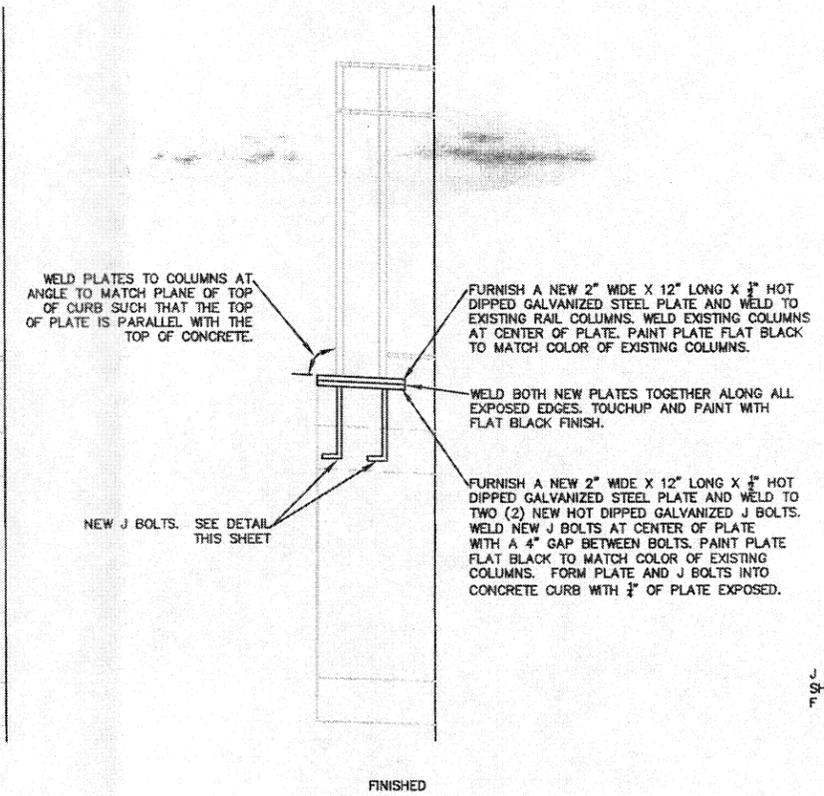
SHEET TITLE  
 DETAILS  
 SHEET NUMBER  
**C-501**  
 SHEET 4 OF 4



- CONCRETE NOTES:**
- 1 CONCRETE SHALL HAVE A MINIMUM 28 DAY UNCONFINED COMPRESSIVE STRENGTH OF 4,000 POUNDS PER SQUARE INCH AND CONTAIN 5 PERCENT +/- AIR ENTRAINMENT.
  - 2 ALL SAW CUTS MUST BE COMPLETED WITHIN 24 HOURS OF THE INITIAL SET OF THE CONCRETE.
  - 3 PLACE EXPANSION JOINTS AT ALL LOCATIONS WHERE NEW CONCRETE IS ABUTTING EXISTING CONCRETE PADS. PLACE EXPANSION JOINTS AT 9' INTERVALS ALONG REPLACED RAMP.
  - 4 ALL REBAR SHALL BE EPOXY COATED.
  - 5 ALL FINISHED SURFACES SHALL BE BROOM FINISHED AND COMPLY WITH IBC 1010.71 AND BE SLIP-RESISTENT.
  6. ALL FINISHED CONCRETE SURFACES SHALL BE TREATED WITH DAYTON SUPERIOR (DAYTONSUPERIOR.COM) SURFACE SEALANT WEATHERWORKER S-100 (J-29-A) OR APPROVED EQUAL. CONTRACTOR SHALL INSTALL THE SEALANT IN ACCORDANCE WITH ALL MANUFACTURER'S RECOMMENDATIONS.



- RAMP SAFETY IMPROVEMENT NOTE:**
1. CONTRACTOR SHALL VERIFY THE SHOWN DIMENSIONS OF NEW RAILS AND COLUMNS AGAINST THE EXISTING ADA RAIL AT THE TOP OF THE RAMP AT THE COURTHOUSE. IF THERE IS A DISCREPANCY THE CONTRACTOR SHALL MATCH THE DIMENSIONS OF THE EXISTING ADA COMPLIANT RAILS AND COLUMNS.
  2. CONTRACTOR SHALL EXTEND ADDITIONAL SAFETY RAIL AND COLUMN IMPROVEMENTS ALONG THE BUILDING SIDE OF BOTH RAMPS TO A DISTANCE OF 28' OR TO THE NEAREST EXISTING POST PAST THE LIGHT BOLLARD WHICHEVER IS GREATER.



J BOLT SHALL BE HOT DIPPED GALVANIZED AND SHALL COMPLY WITH ASTM A307 GRADE C AND F 1554 GRADE 6.

