

EXTERIOR STAIR RECONSTRUCTION / SIDEWALK REPAIR

DULUTH CITY HALL

411 W 1ST STREET
DULUTH, MINNESOTA 55802

OWNER:
CITY OF DULUTH - PROPERTY & FACILITIES MGMT
1532 W MICHIGAN STREET
DULUTH, MINNESOTA 55806

ARCHITECT:
SCALZO ARCHITECTS, LTD.
1901 SOUTH STREET
DULUTH, MINNESOTA 55812

STRUCTURAL ENGINEER:
NORTHLAND CONSULTING ENGINEERS LLP
102 SOUTH 21ST AVENUE WEST
DULUTH, MINNESOTA 55806



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I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the State of Minnesota.

William B. Scalzo
WILLIAM B. SCALZO

DATE: JULY 16, 2014
LICENSE NO: 18130



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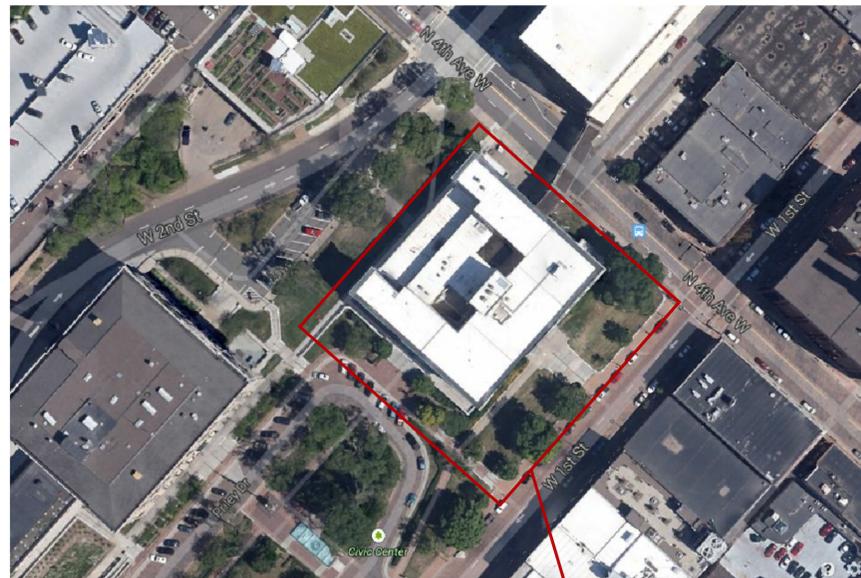


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MATERIALS:

	ASPHALT OR BITUMINOUS
	BATT INSULATION
	BRICK
	CONCRETE
	CONCRETE MASONRY UNIT
	EARTH
	EXISTING MATERIAL
	FINISH WOOD
	GRAVEL
	GYPSUM BOARD
	RIGID INSULATION
	PLYWOOD
	ROUGH WOOD
	SAND / MORTAR / PLASTER
	STEEL
	STEEL STUDS
	WOOD BLOCKING
	WOOD STUDS

LOCATION MAP:



LOCATION MAP
NTS

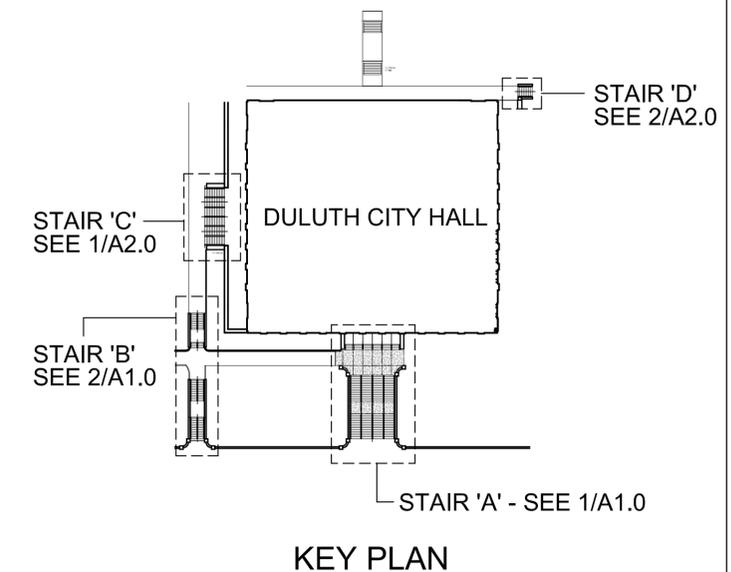


INDEX TO DRAWINGS:

T1 TITLE SHEET / LOCATION MAP / INDEX TO DRAWINGS

ARCHITECTURAL

- A1.0 PARTIAL SITE PLAN - STAIR 'A' & STAIR 'B' / SECTION
- A2.0 PARTIAL SITE PLAN - STAIR 'C' & STAIR 'D' / SECTIONS / DETAILS
- A3.0 SPECIFICATIONS/NOTES



KEY PLAN

STANDARD ABBREVIATIONS LIST:

AFF	ABOVE FINISH FLOOR	EXIST	EXISTING	RAD	RADIUS
ACM	ACOUSTICAL CEILING MATERIAL	FLR	FLOOR	REF	REFRIGERATOR
ALT	ALTERNATE	FD	FLOOR DRAIN	R/W	REINFORCE WITH
Z	ANGLE	FTG	FOOTING	REINF	REINFORCING
@	AT	FND	FOUNDATION	REQ'D	REQUIRED
B.O.	BOTTOM OF	GA	GALVE	REV	REVERSE
BLDG	BUILDING	GFI	GROUND FAULT INTERRUPTER	R	RISERS
CPT	CARPET	GYP BD	GYPSUM BOARD	RO	ROUGH OPENING
CLG	CEILING	HGT	HEIGHT	RCB	RUBBER COVE BASE
CL	CENTER LINE	ID	INSIDE DIAMETER	SND	SANITARY NAPKIN DISPENSER
CT	CERAMIC TILE	INSUL	INSULATION	SV	SHEET VINYL
CTB	CERAMIC TILE BASE	INT	INTERIOR	SHWR	SHOWER
COL	COLUMN	LLV	LONG LEG VERTICAL	SIM	SIMILAR
CONC	CONCRETE	MATL	MATERIAL	SPEC	SPECIFICATIONS
CMU	CONCRETE MASONRY UNIT	MO	MASONRY OPENING	SF	SQUARE FEET
CONT	CONTINUOUS	MECH	MECHANICAL	STD	STANDARD
CFCI	CONTRACTOR FURNISH CONTRACTOR	MTL	METAL	STL	STEEL
	INSTALL	MEZZ	MEZZANINE	ST	STUD
CJ	CONTROL JOINT	MISC	MISCELLANEOUS	TELE	TELEPHONE
CG	CORNER GUARD	NA	NOT APPLICABLE	TPH	TOILET PAPER HOLDER
DIA	DIAMETER	NIC	NOT IN CONTRACT	T.O.	TOP OF
Ø	DIAMETER	NR	NOT RATED	T	TREAD
DIM	DIMENSION	NTS	NOT TO SCALE	TYP	TYPICAL
DW	DISH WASHER	NC	NURSE CALL	VB	VINYL BASE
DBL	DOUBLE	OC	ON CENTER	VCT	VINYL COMPOSITION TILE
DN	DOWN	OD	OUTSIDE DIAMETER	VERT	VERTICAL
DWG	DRAWING	OF/CI	OWNER FURNISH CONTRACTOR INSTALL	VWC	VINYL WALL COVERING
D	DRYER	PT	PAINT	W	WASHER
EA	EACH	PTD	PAPER TOWEL DISPENSER	WH	WATER HEATER
EL	ELEVATION	PL	PLATE	WDW	WINDOW
ELEV	ELEVATOR	PLAM	PLASTIC LAMINATE	W/	WITH
EQ	EQUAL	PLY	PLYWOOD	W/O	WITHOUT
EQUIP	EQUIPMENT	QT	QUARRY TILE	WD	WOOD

TITLE SHEET
INDEX TO DRAWINGS
LOCATION MAP

REVISIONS:

DATE: JULY 16, 2014
DRAWN: WDS, EWL
CHECKED: WBS
PROJECT: 1422



SHEET NO.

T1

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PARTIAL SITE PLAN - STAIR 'A' AND STAIR 'B'
SECTION

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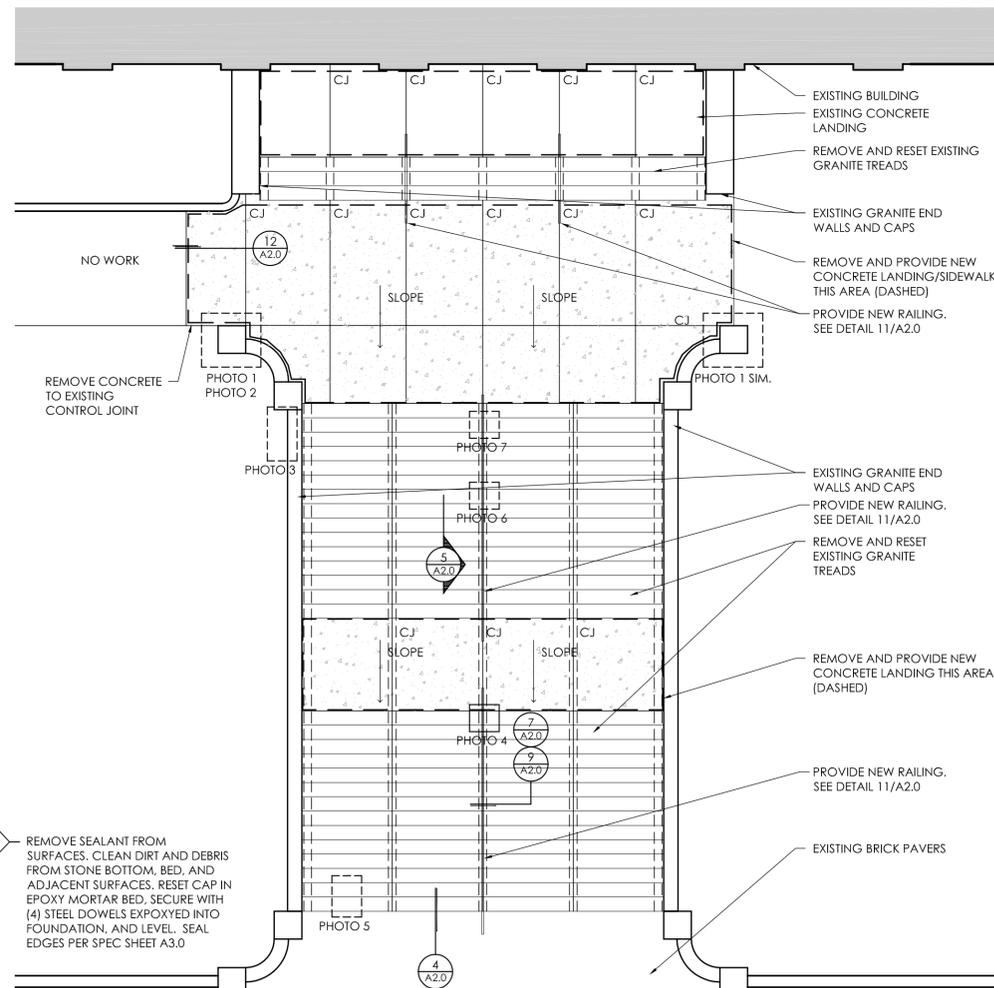
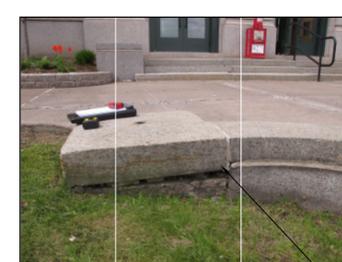
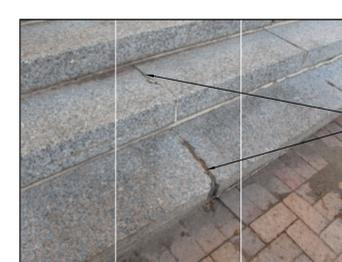
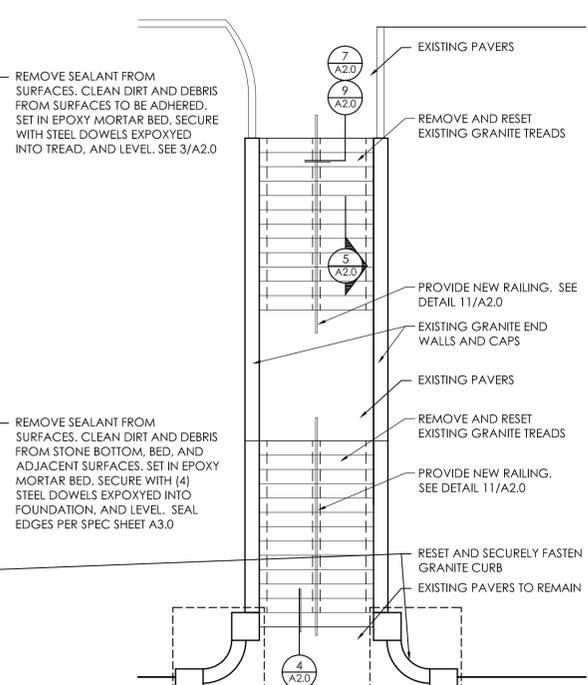
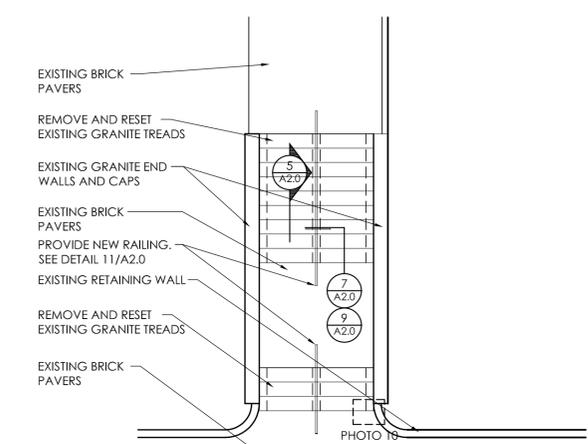
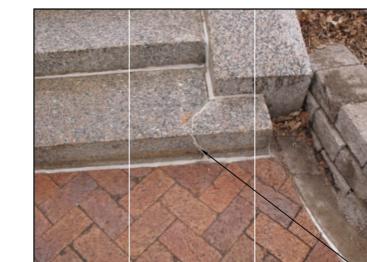
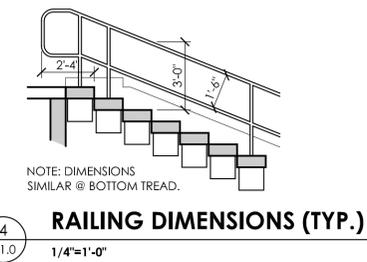
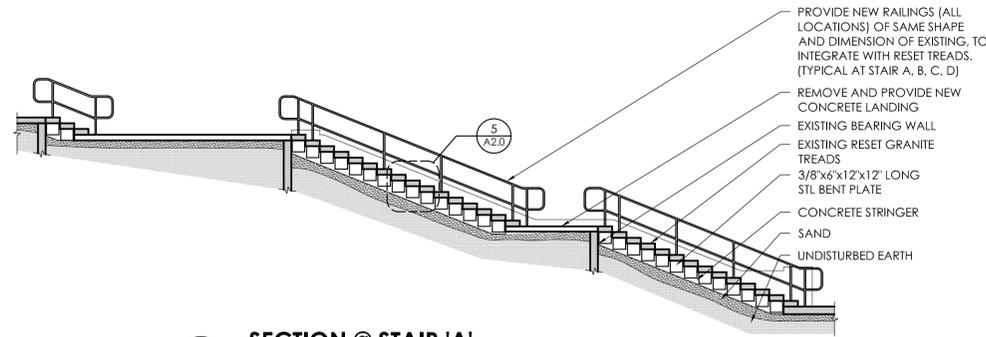
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0 2"
FULL SCALE

SHEET NO.
A1.0

GENERAL NOTES:

1. VERIFY TREAD AND RISER DIMENSIONS ON EACH STAIR PRIOR TO RESETTING GRANITE COMPONENTS.
2. REMOVE EXISTING PIPE RAILS. PROVIDE ESCUTCHEON PLATES AT NEW RAILING BASE TO FIT TIGHT AGAINST GRANITE TREADS. FASTEN SECURELY W/SCREW. SEAL AROUND ESCUTCHEON BASE TO GRANITE TREAD.
3. REMOVE EXISTING SEALANT AT SURFACES ASSOCIATED WITH STAIRS INCLUDING, BUT NOT LIMITED TO, TREADS, LANDINGS, STRINGERS, ETC. PROVIDE SEALANT AT REMOVED LOCATIONS. PREP SURFACES BY CLEANING DIRT, DEBRIS, OILS, AND GREASE AS INSTRUCTED BY MANUFACTURER.



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William B. Scalzo
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I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly licensed Professional Engineer under the laws of the State of Minnesota.

Mark R. Udd
MARK R. UDD
DATE: JULY 16, 2014
LICENSE NO: 40443

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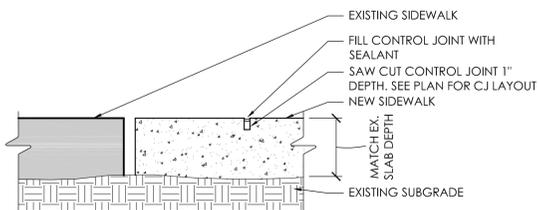
PARTIAL SITE PLAN - STAIR 'C' AND STAIR 'D'
SECTIONS
DETAILS

REVISIONS:

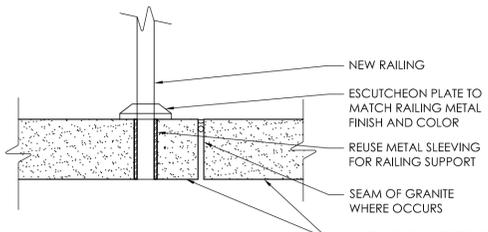
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0 2"
FULL SCALE

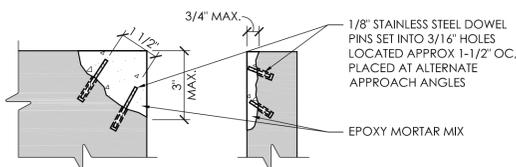
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A2.0



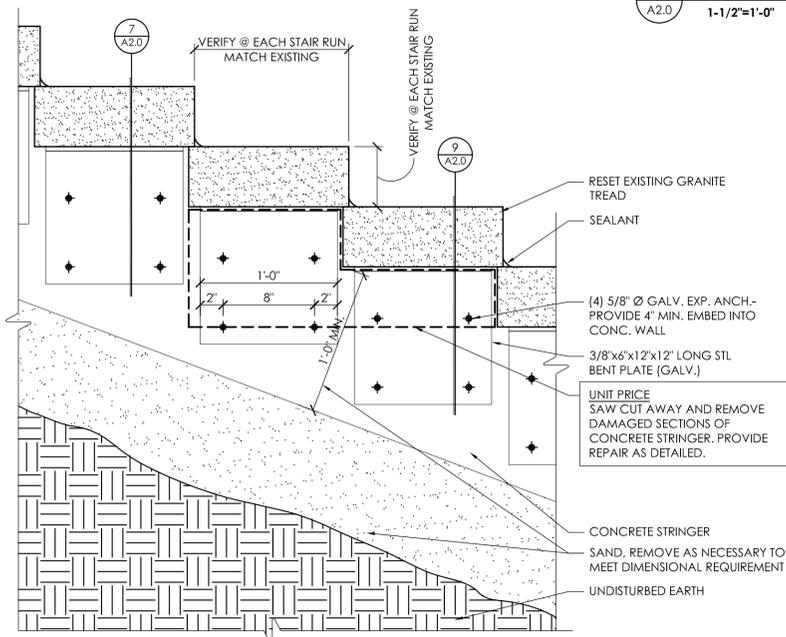
12
A2.0
SLAB DETAIL
1-1/2"=1'-0"



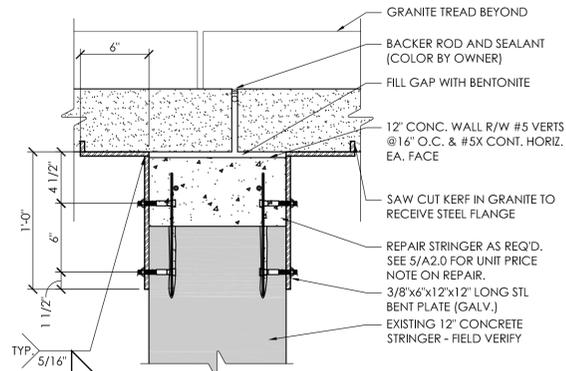
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A2.0
RAILING DETAIL
1-1/2"=1'-0"



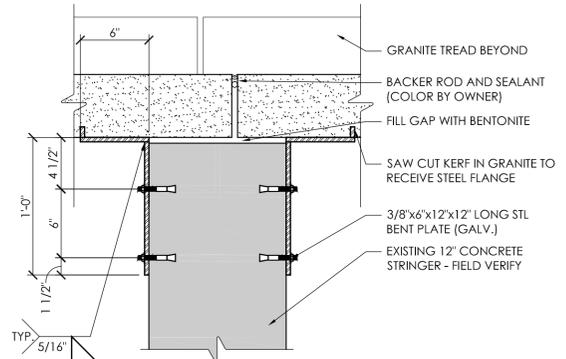
10
A2.0
TREAD REPAIR DETAIL (UNIT PRICE)
3"=1'-0"



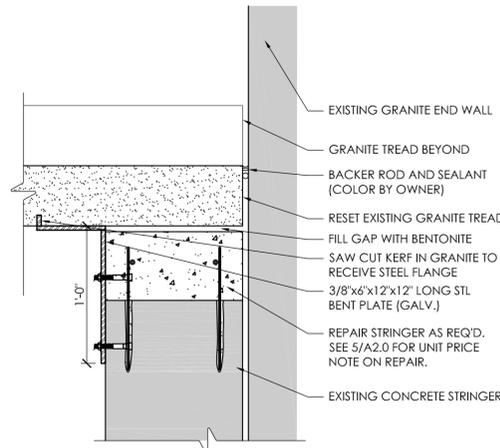
5
A2.0
TYPICAL STAIR SECTION
1-1/2"=1'-0"



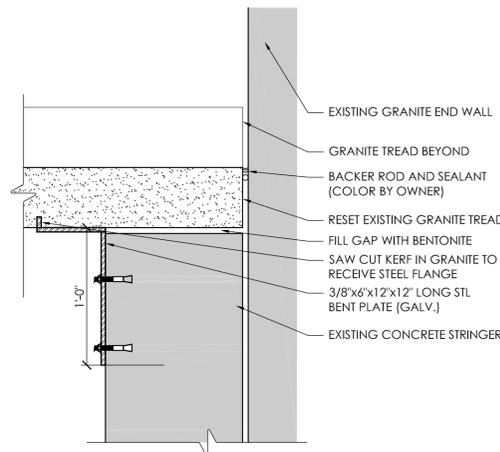
9
A2.0
DETAIL @ STRINGER (UNIT PRICE)
1-1/2"=1'-0"



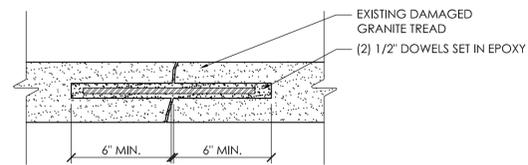
7
A2.0
DETAIL @ STRINGER
1-1/2"=1'-0"



8
A2.0
DETAIL @ STRINGER/END WALL (UNIT PRICE)
1-1/2"=1'-0"



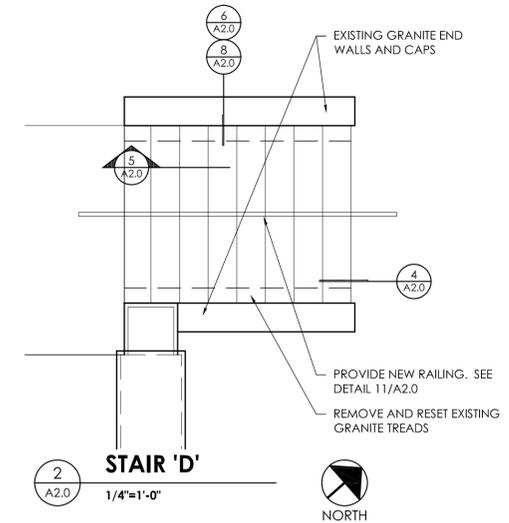
6
A2.0
DETAIL @ STRINGER/END WALL
1-1/2"=1'-0"



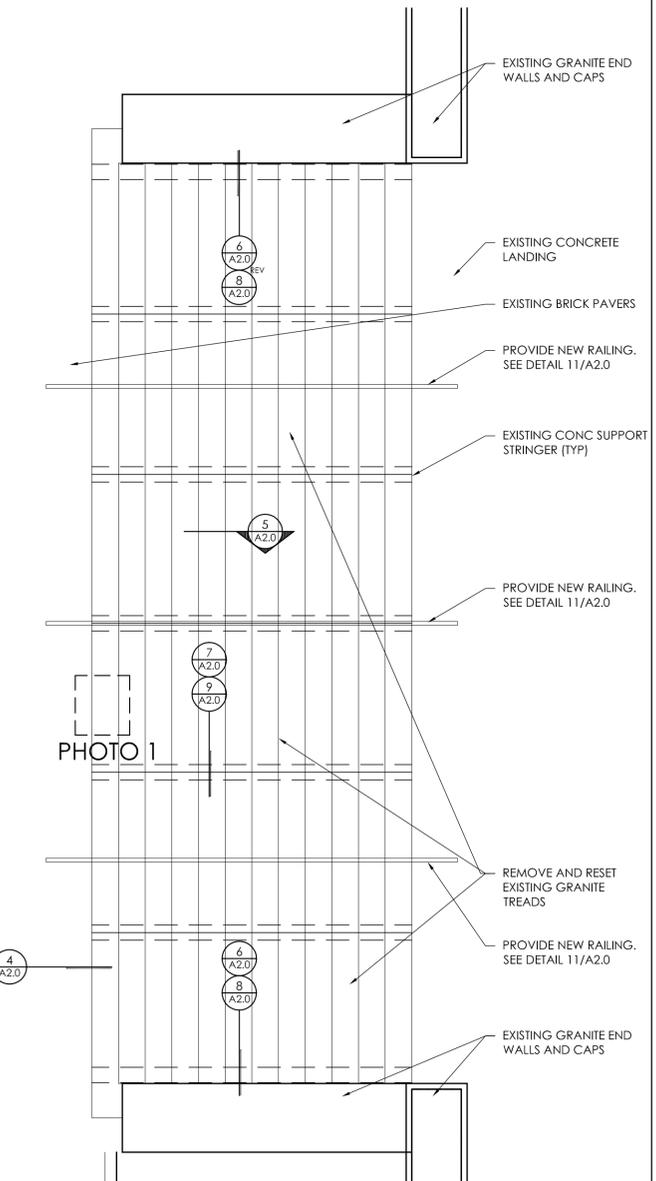
3
A2.0
GRANITE TREAD REPAIR DETAIL
1-1/2"=1'-0"



PHOTOGRAPH 1



2
A2.0
STAIR 'D'
1/4"=1'-0"



1
A2.0
STAIR 'C'
1/4"=1'-0"



SPECIFICATIONS/NOTES:

1. THE GENERAL CONDITIONS OF THIS CONTRACT IS THE AMERICAN INSTITUTE OF ARCHITECTS (AIA) DOCUMENT A201-2007, "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION", INCLUDED BY REFERENCE, EXCEPT IN INSTANCES WHERE THE CITY INFORMATION FOR BIDDERS ADDRESS THE SAME SUBJECT MATTER.
2. CONSTRUCTION SHALL BE ACCOMPLISHED IN MULTIPLE PHASES TO ACCOMMODATE OWNERS CONTINUOUS OCCUPANCY AND USE OF CITY HALL.
3. CONTRACTOR TO OBTAIN PERMITS AND ARRANGE FOR THE SUBSEQUENT INSPECTIONS RELATED TO THE CONSTRUCTION.
4. KEEP DRIVEWAYS, ENTRANCES, AND SIDEWALKS CLEAR AT ALL TIMES. DO NOT USE THESE AREAS FOR PARKING OR STORAGE OF MATERIALS. SCHEDULE DELIVERIES TO MINIMIZE REQUIREMENTS FOR STORAGE OF MATERIALS.
5. SHOULD UNUSUAL OR UNEXPECTED CONDITIONS BE ENCOUNTERED NOTIFY THE ARCHITECT IMMEDIATELY.
6. CONTRACTOR SHALL REPAIR DAMAGE TO EXISTING CONSTRUCTION AND AREAS OUTSIDE TO THE CONSTRUCTION UNITS. REPAIR FINISH TO EQUAL THAT EXISTED PRIOR TO THE WORK.
7. SCHEDULE OF UNIT PRICE:
NO. 1: PROVIDE A PER SQUARE FOOT COST TO COMPLETE ADDITIONAL SIDEWALK REPLACEMENT AS REQUESTED BY OWNER INCLUDE REMOVAL, SUBGRADE REPAIR, CONCRETE, AND SEALER.

NO. 2: PROVIDE A PER SQUARE FOOT COST TO COMPLETE CONCRETE STRINGER REPAIR AS REQUIRED FOR RESETTING GRANITE TREADS. REFER TO DETAIL 5/A2.0 FOR EXTENT OF REPAIR AT A SINGLE TREAD.

NO. 3: PROVIDE A PER SQUARE FOOT COST TO COMPLETE GRANITE TREAD REPAIR AS REQUIRED FOR RESETTING GRANITE TREADS. REFER TO DETAIL 10/A2.0 FOR EXTENT OF REPAIR AT A SINGLE TREAD.
8. INSPECT THE EXISTING SUBGRADE AND REMOVE MINIMUM 3" TO PROVIDE APPROPRIATE BASE FOR NEW WALK.
9. PROVIDE GRADING AND COMPACTED SUBGRADE TO THE APPROPRIATE ELEVATIONS TO MATCH THE ADJACENT SIDEWALK SURFACES; AGGREGATE BASE (CV), CLASS 5 MNDOT 2011.503 INCIDENTAL.
10. CONCRETE TO BE 4,500 PSI AT 28 DAYS STRENGTH; MAXIMUM WATER CONTENT RATIO 0.50; AIR CONTENT 6.0% AND MAXIMUM AGGREGATE SIZE 1". REINFORCE W/FIBER REINFORCING.
11. BENT PLATES, ONCE FABRICATED, AND ASSOCIATED FASTENERS TO BE HOT DIP GALVANIZED PER REQUIREMENTS OF ASTM A123. COATING TO BE MINIMUM 55 UM THICKNESS.
12. RAILINGS SHALL WITHSTAND THE EFFECTS OF GRAVITY LOADS AND THE FOLLOWING LOADS AND STRESSES WITHIN LIMITS AND UNDER CONDITIONS INDICATED:
HANDRAILS:
 - a. UNIFORM LOAD OF 50 LBF/ FT. (0.73 KN/M) APPLIED IN ANY DIRECTION.
 - b. CONCENTRATED LOAD OF 200 LBF (0.89 KN) APPLIED IN ANY DIRECTION.
 - c. UNIFORM AND CONCENTRATED LOADS NEED NOT BE ASSUMED TO ACT CONCURRENTLY.EXISTING DEPRESSIONS IN GRANITE TREADS TO BE UTILIZED FOR PIPE RAILING BALUSTER SUPPORT. VERIFY LOCATION OF EXISTING DEPRESSIONS.
13. METAL SURFACES: PROVIDE MATERIALS WITH SMOOTH SURFACES, WITHOUT SEAM MARKS, ROLLER MARKS, ROLLED TRADE NAMES, STAINS, DISCOLORATIONS, OR BLEMISHES.

BASE BID: STAINLESS STEEL, ASTM A 554, GRADE MT 316L, DIRECTIONAL SATIN FINISH #6

ALTERNATE: ALUMINUM, ALLOY 6063-T5/T52

BAKED-ENAMEL OR POWDER-COAT FINISH: AAWA 2603 EXCEPT WITH A MINIMUM DRY FILM THICKNESS OF 1.5 MILS (0.04 MM). COMPLY WITH COATING MANUFACTURER'S WRITTEN INSTRUCTIONS FOR CLEANING, CONVERSION COATING, AND APPLYING AND BAKING FINISH. COLOR AND GLOSS SELECTION BY OWNER

CORROSION PROTECTION: COAT CONCEALED SURFACES OF ALUMINUM THAT WILL BE IN CONTACT WITH GROUT, CONCRETE, MASONRY, WOOD, OR DISSIMILAR METALS, WITH A HEAVY COAT OF BITUMINOUS PAINT.

USE METAL SLEEVES PRESET AND ANCHORED INTO CONCRETE FOR INSTALLING POSTS. AFTER POSTS HAVE BEEN INSERTED INTO SLEEVES, FILL ANNULAR SPACE BETWEEN POST AND SLEEVE WITH NONSHRINK, NONMETALLIC GROUT OR ANCHORING CEMENT, MIXED AND PLACED TO COMPLY WITH ANCHORING MATERIAL MANUFACTURER'S WRITTEN INSTRUCTIONS.
14. SEALER @ CONCRETE TO BE CONSOLIDECK SALT GUARD W3 SILANE / SILOXANE WATER REPELLANT AND CHLORIDE SCREEN MANUFACTURED BY PROSOCO FOR NEW CONCRETE LANDINGS AND SIDEWALKS. PREP SURFACES FOR SEALANT BY CLEANING DIRT, DEBRIS, OILS, AND GREASE PER MANUFACTURER'S INSTRUCTIONS.
15. SEALANT TO BE "BASF MASTERSEAL SL-1 SEALANT" OR EQUIVALENT. COLOR SELECTED FROM MANUFACTURERS STANDARD COLORS TO COORDINATE W/ GRANITE.
16. GRANITE REPAIR: DIAREX ROCK LOCK EPOXY AS MANUFACTURED BY GRANQUARTZ OR EQUIVALENT.



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