

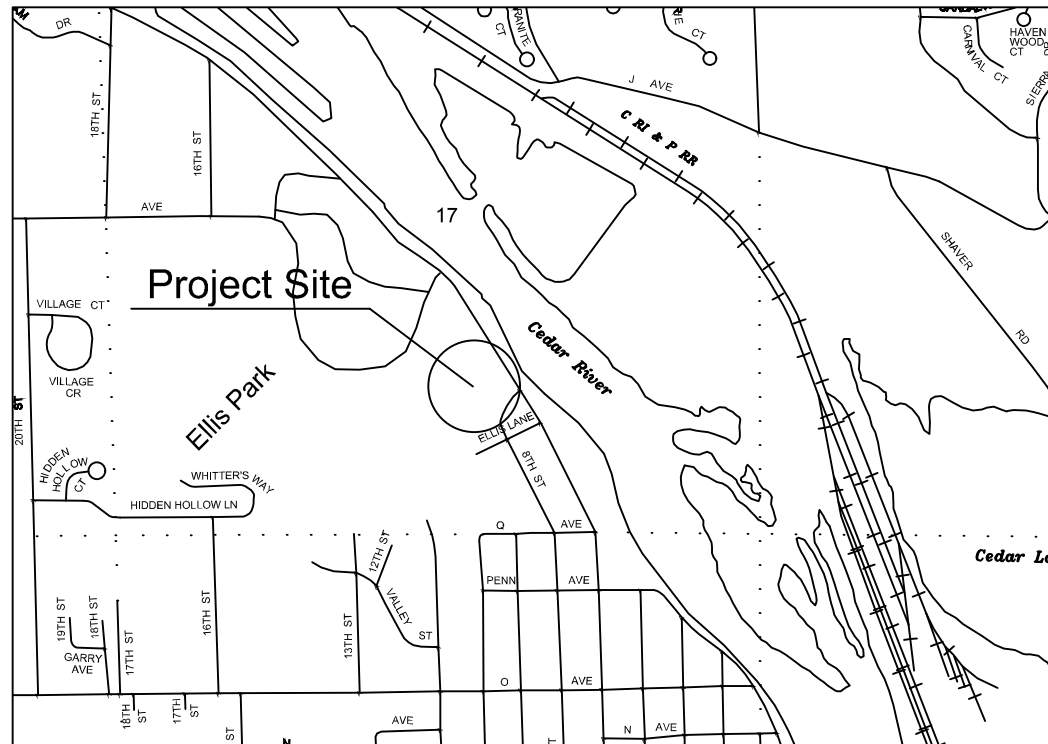
Ellis Pool Concrete Repairs

City of Cedar Rapids, Iowa

Contract No. 324246-02

Utility & Emergency Numbers

Parks & Recreation Department	319-286-5750
Police Department	319-286-5491
Fire Department	319-286-5200
Emergency	911
Alliant Energy	319-786-1912
Mid American Energy	319-298-5155
Water Department	319-286-5910
Qwest Communications	319-399-7600



Location Map

Not to Scale

Sheet Index

	Cover Sheet
S1	Existing Conditions
S2	Site Plan
S3-S4	Details
S5	Previous Site Plan (reference)
P1	Waterline Repair

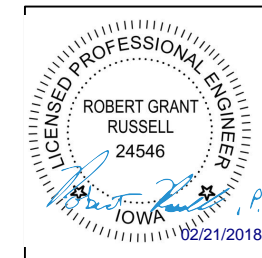
Cedar Rapids Metropolitan Specifications

Sections most prevalent to this project

Division 03 Concrete

Mayor: Bradley Hart
City Council

Tyler Olson	Ann Poe
Susie Weinacht	Martin Hoeger
Scott Overland	Dale Todd
Scott Olson	Ashley Vanorny



I hereby certify that this document was prepared by me or under my direct personal supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Iowa.

Robert Grant Russell, P.E.

R. Grant Iowa Reg No. P24546

My License renewal date is December 31, 2019

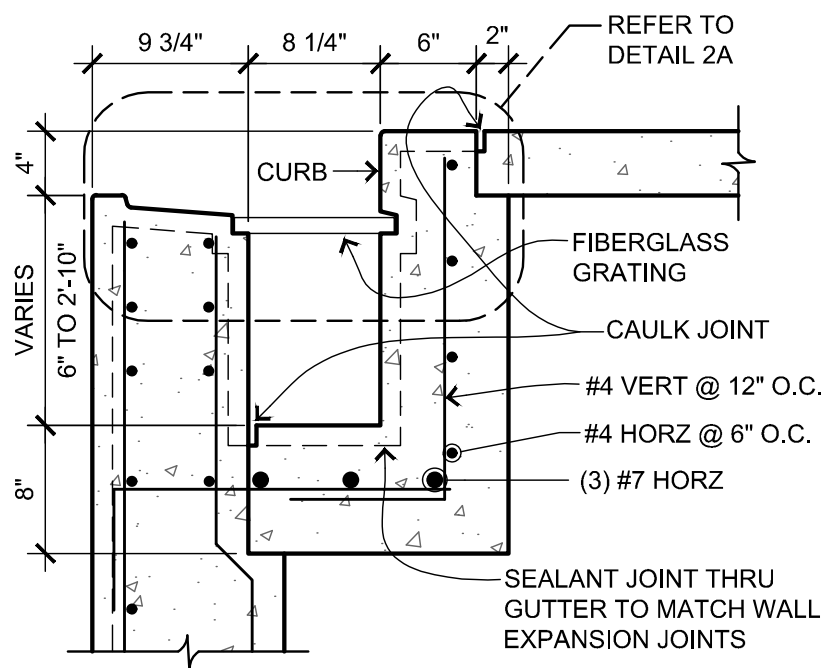
Pages covered by this seal: S1, S2, S3, S4, S5, P1

Cedar Rapids Parks & Recreation Department

This Document is Recommended for Filing with the City Clerk

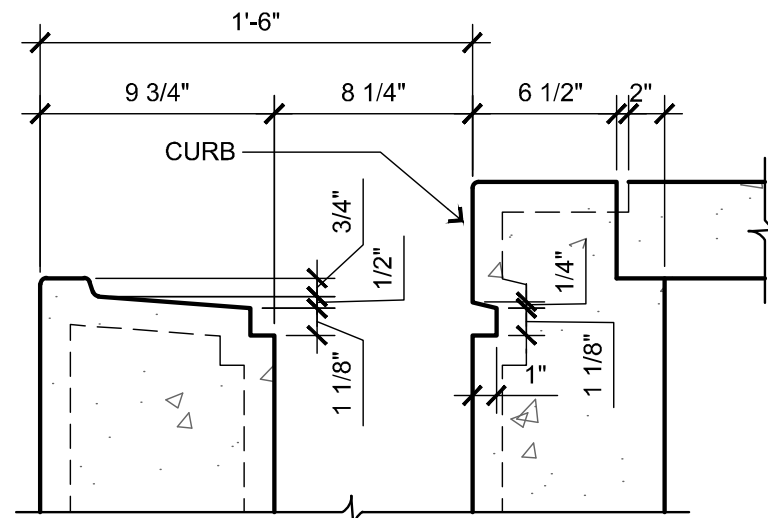
Director, Parks & Recreation

Date



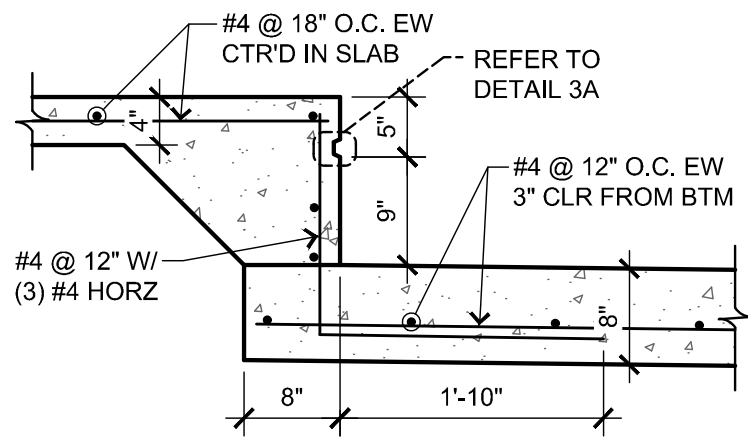
2 SECTION TYP EXISTING GUTTER

SCALE: 1" = 1'-0"



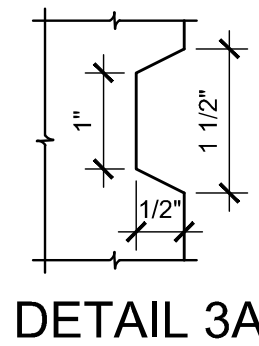
DETAIL 2A

SCALE: 1 1/2" = 1'-0"



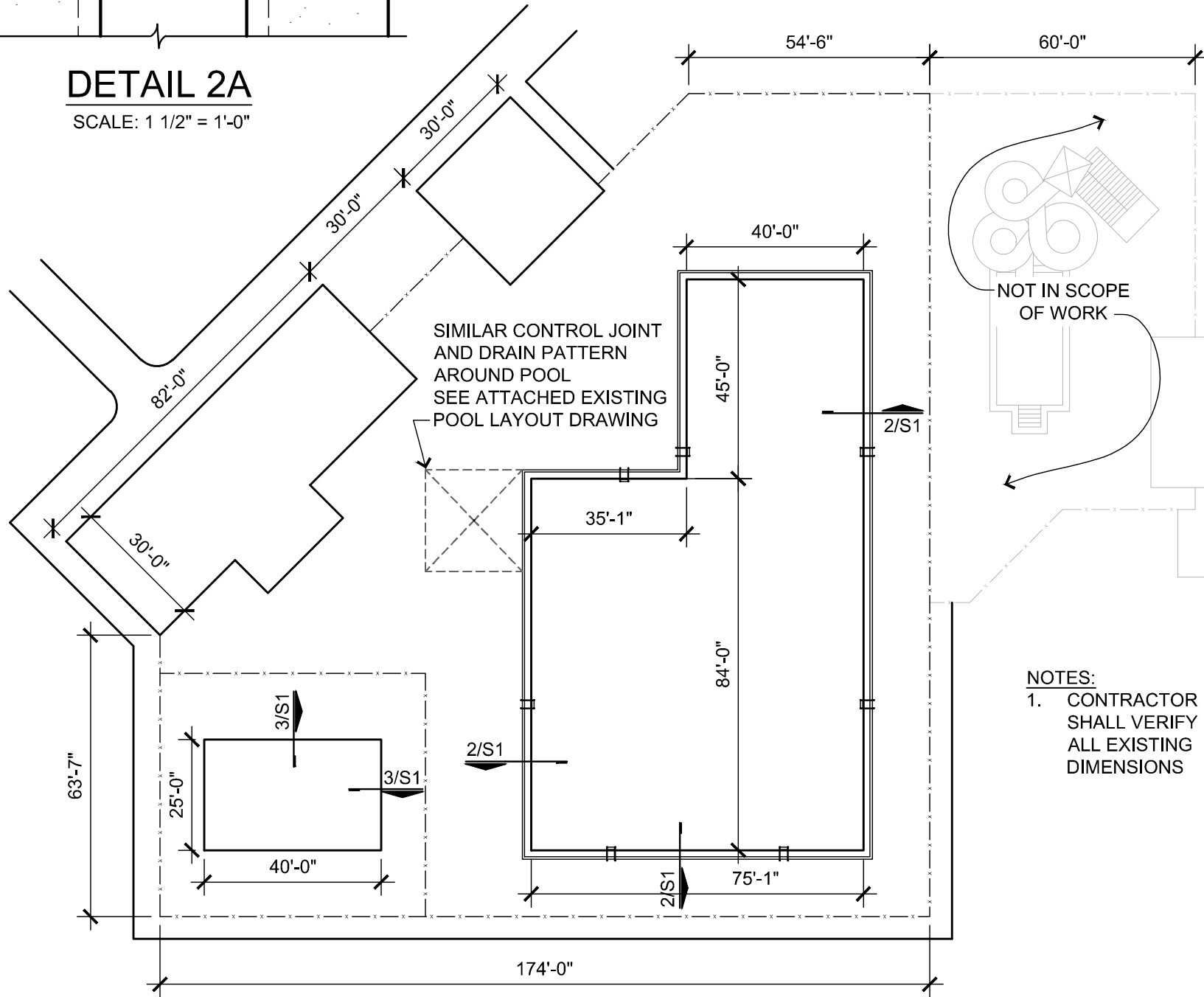
3 SECTION TYP WADING POOL PERIMETER WALL

SCALE: 3/4" = 1'-0"



DETAIL 3A

SCALE: 1:2



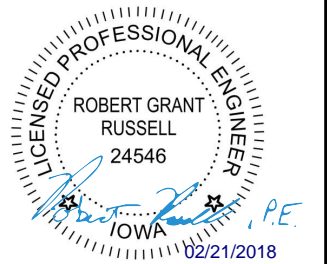
1 EXISTING POOL PLAN

SCALE: 1/32" = 1'-0"



NOTES:
1. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS

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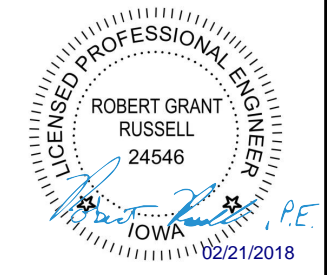


ELLIS MUNICIPAL POOL REPAIRS

2000 Ellis Blvd NW
Cedar Rapids, IA 52405
Owner: City of Cedar Rapids, IA

DATE:	DESCRIPTION:
02/21/18	BID SET

S1



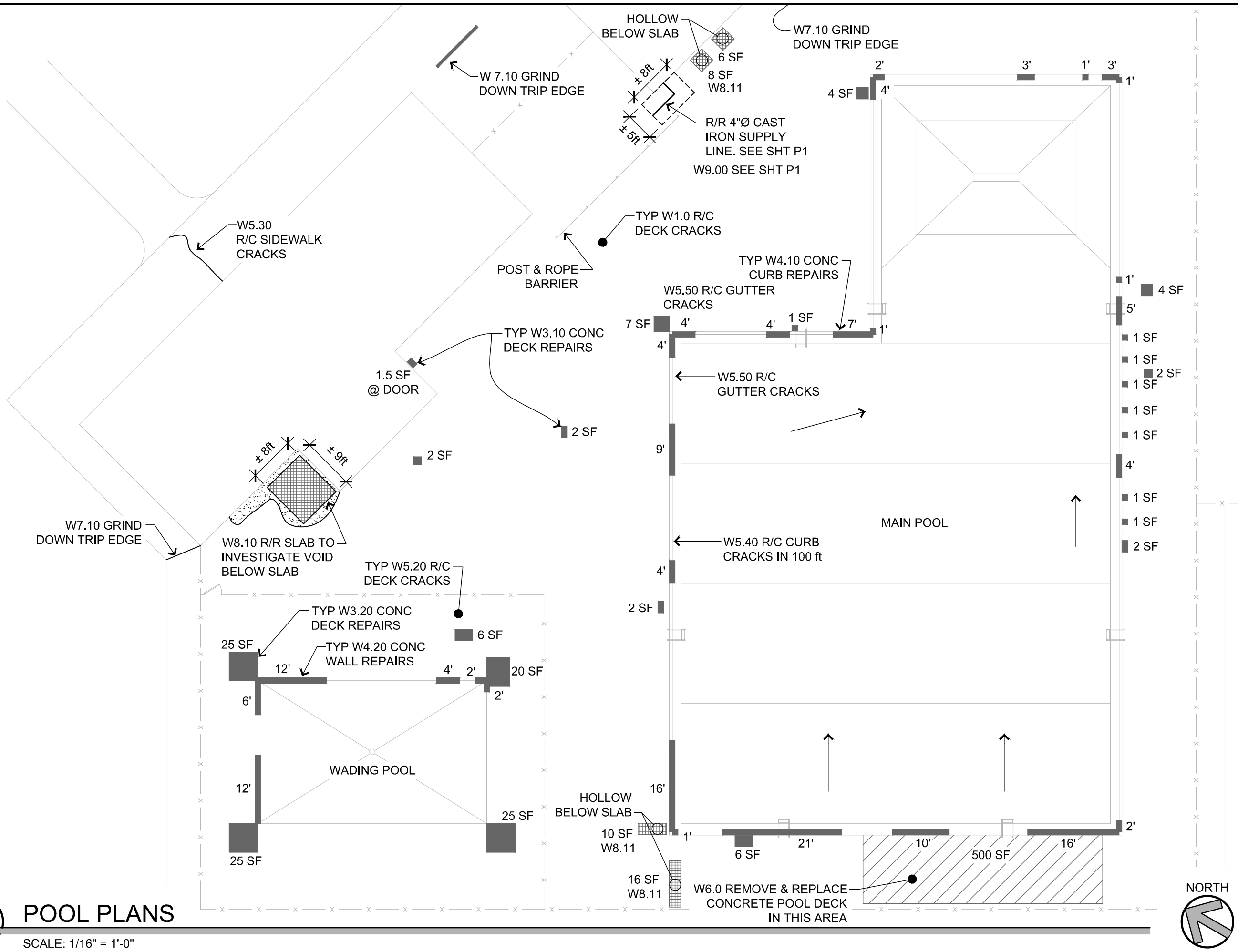
ELLIS MUNICIPAL POOL REPAIRS

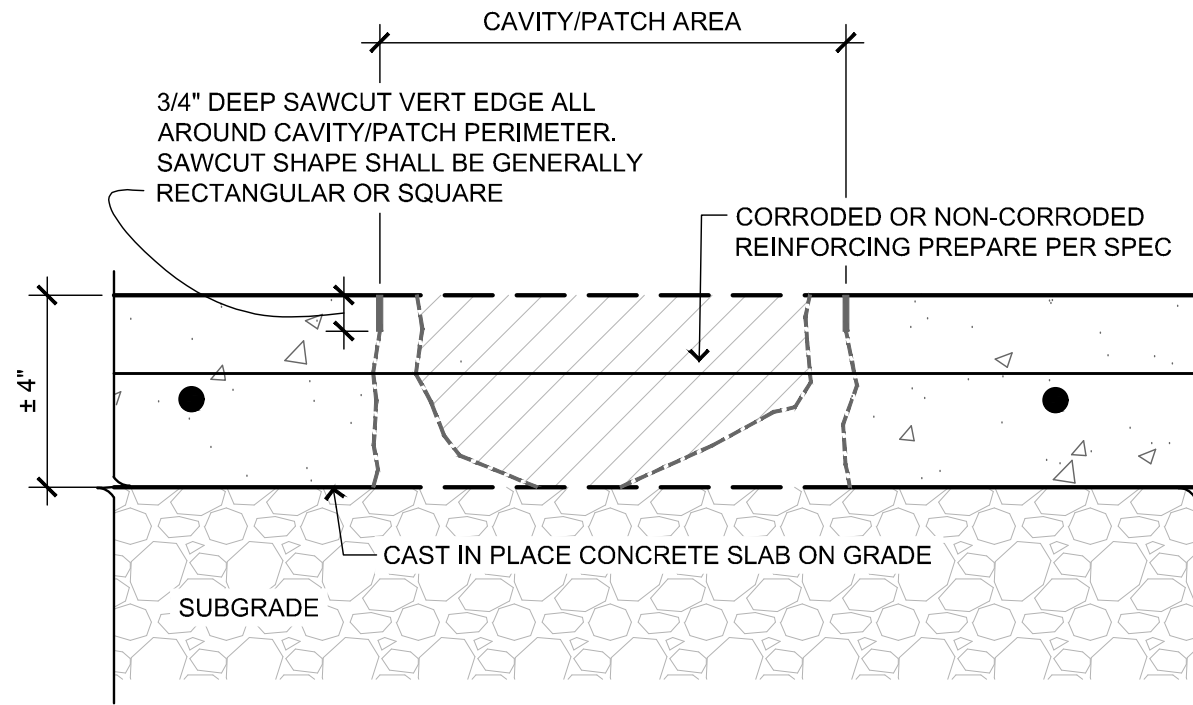
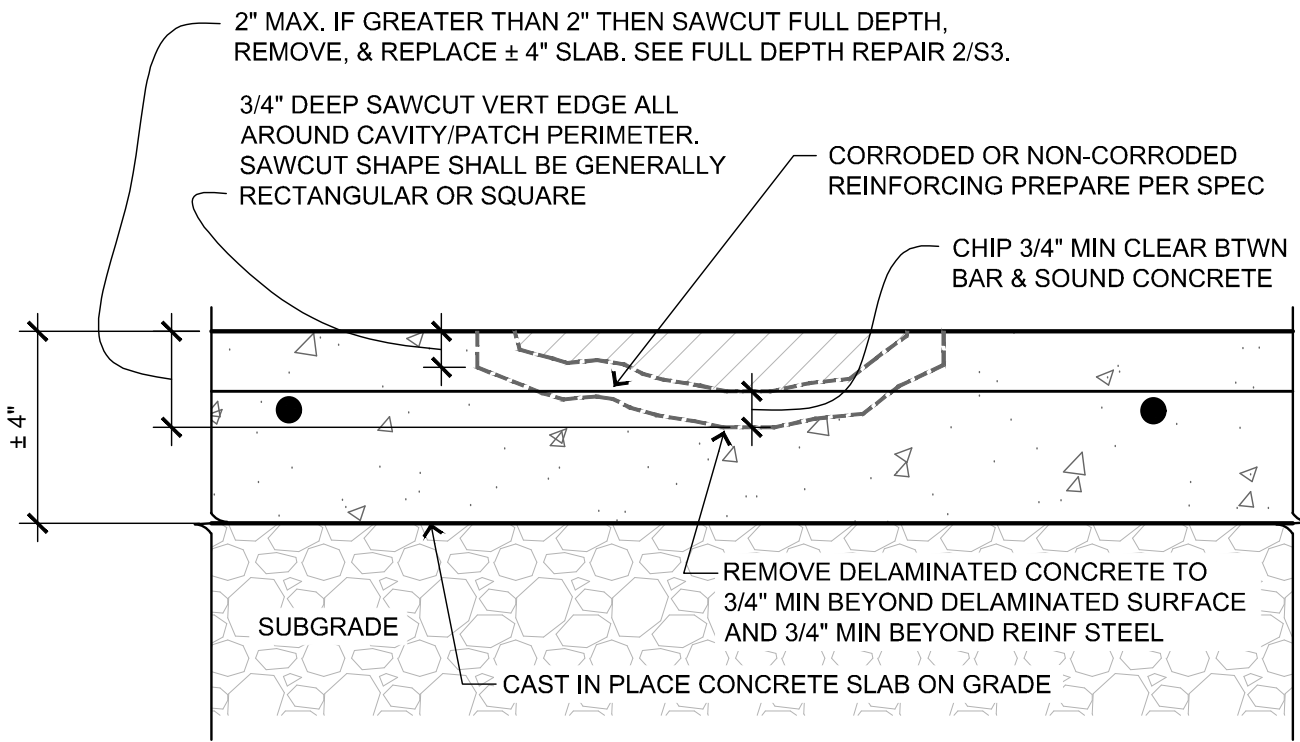
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 Owner: City of Cedar Rapids, IA

DATE:	DESCRIPTION:
02/21/18	BID SET

S2

1 POOL PLANS
 SCALE: 1/16" = 1'-0"





1

POOL - CONCRETE DECK SLAB-ON-GRADE PARTIAL DEPTH REPAIR

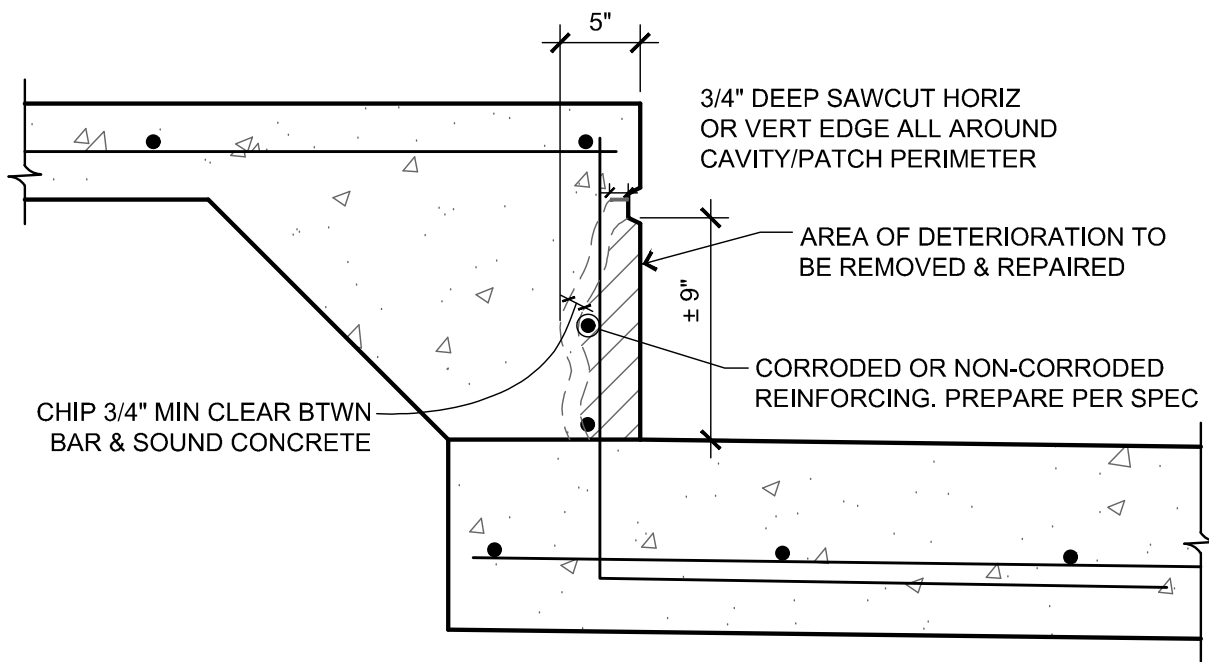
SCALE: 3" = 1'-0"

2

POOL - CONCRETE DECK SLAB-ON-GRADE FULL DEPTH REPAIR

SCALE: 3" = 1'-0"

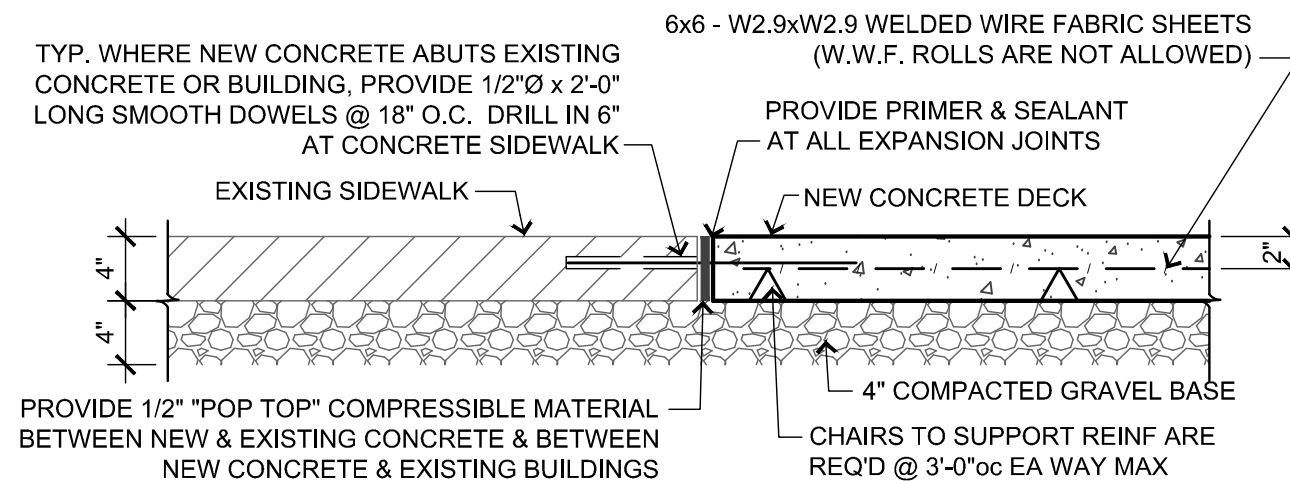
1. ALL REBAR SUPPORTS & TIES SHALL BE SPACED AT 2'-0" O.C. EACH WAY MAX. NO EXCEPTIONS
2. SLOPE DECK AWAY FROM POOL COPING 1/8" PER FOOT.
3. SAW CUT CONTROL JOINTS 1/4" x 1-1/2" DEEP AT THE TIME OF PLACEMENT. CONTROL JOINT SPACING SHALL NOT EXCEED 12'-0" IN ANY DIRECTION AS CLOSE TO SQUARE AS IS POSSIBLE WITH MAX ASPECT RATIO 1.25:1.0.
4. PROVIDE EXPANSION JOINTS IN CONCRETE DECK AT A MAX. OF 48'-0" O.C. U.N.O. ON PLANS. TOOL EDGES AT EXPANSION JOINTS. AT EXPANSION JOINTS, PROVIDE COMPRESSIBLE MATERIAL W/ (3) - 1/2"Ø x 2'-0" LONG SMOOTH DOWELS. REBAR SHALL NOT BE CONTINUOUS THROUGH THE EXPANSION JOINTS.



3

WALL REPAIR - WADING POOL

SCALE: 1 1/2" = 1'-0"

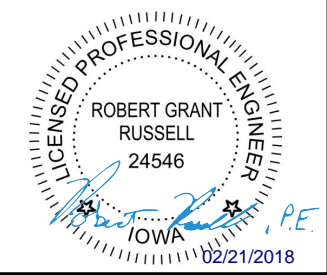


4

NEW CONCRETE DECK SLAB-ON-GRADE

SCALE: 3" = 1'-0"

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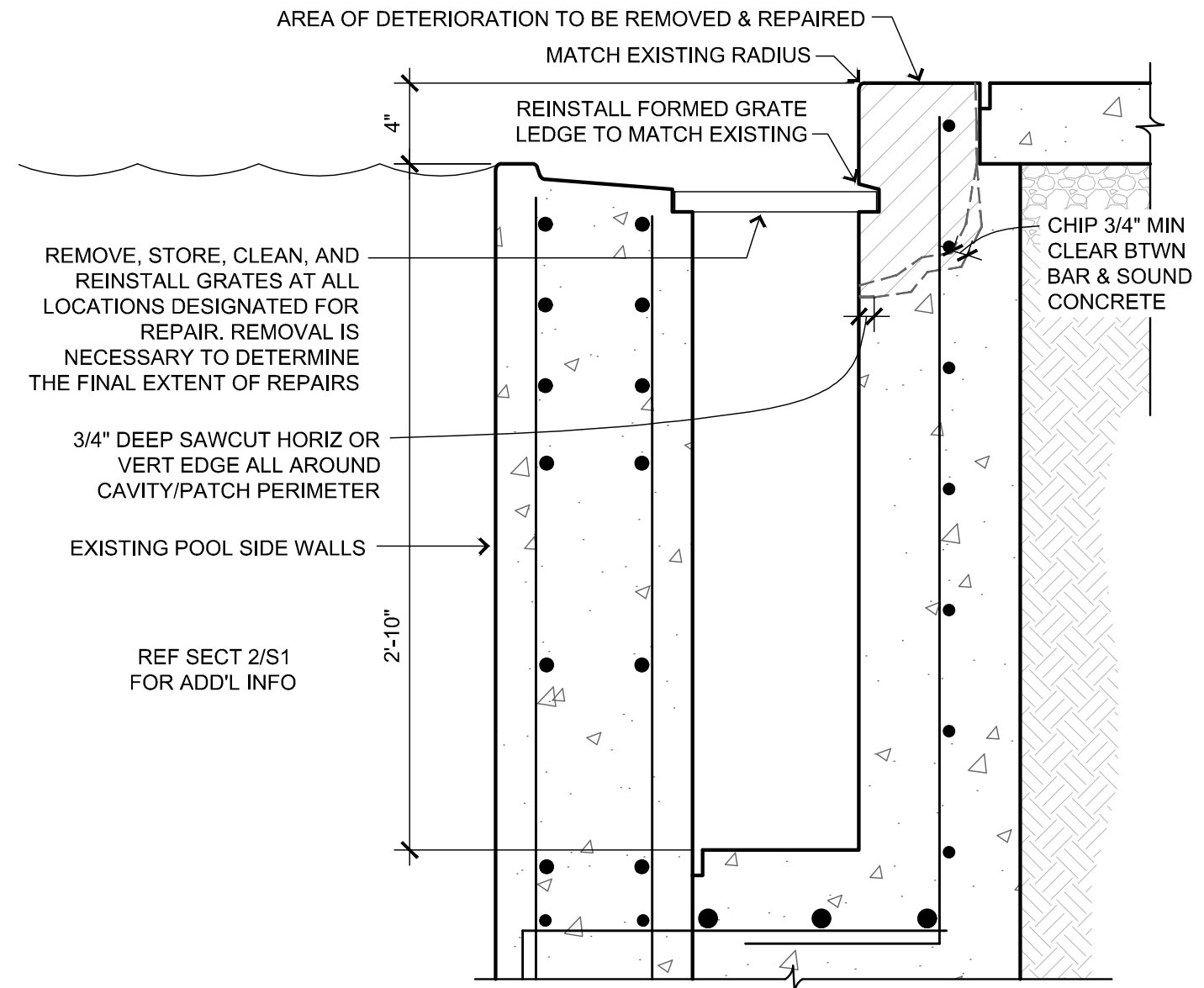


ELLIS MUNICIPAL POOL REPAIRS

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S3



REMOVE, STORE, CLEAN, AND REINSTALL GRATES AT ALL LOCATIONS DESIGNATED FOR REPAIR. REMOVAL IS NECESSARY TO DETERMINE THE FINAL EXTENT OF REPAIRS

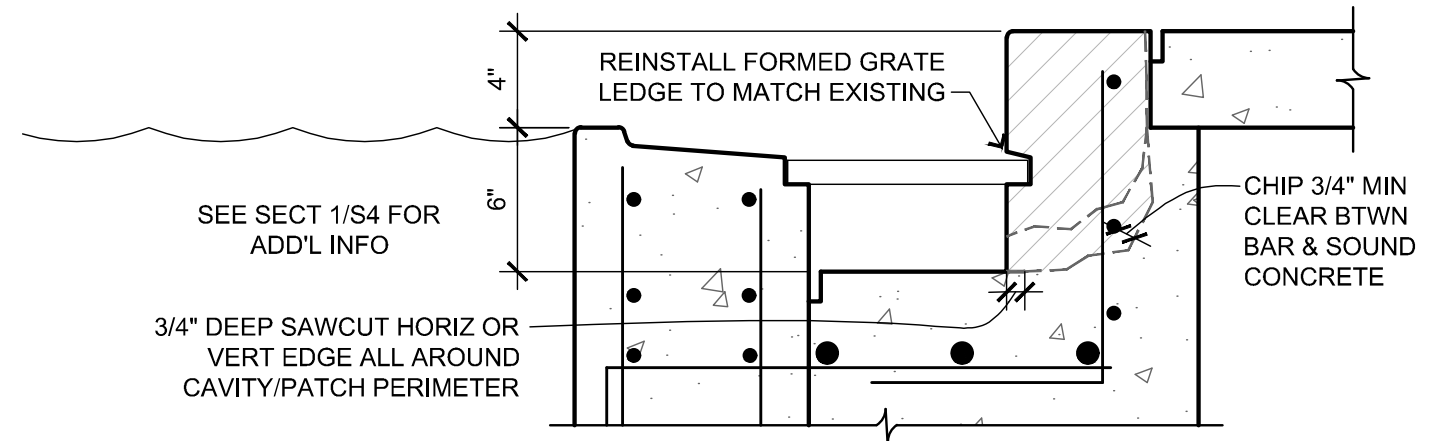
3/4" DEEP SAWCUT HORIZ OR VERT EDGE ALL AROUND CAVITY/PATCH PERIMETER

EXISTING POOL SIDE WALLS

REF SECT 2/S1 FOR ADD'L INFO

CHIP 3/4" MIN CLEAR BTWN BAR & SOUND CONCRETE

1 LOW ELEVATION GUTTER REPAIR - MAIN POOL
SCALE: 1 1/2" = 1'-0"



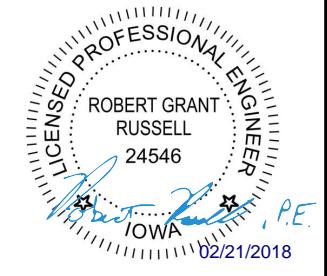
SEE SECT 1/S4 FOR ADD'L INFO

3/4" DEEP SAWCUT HORIZ OR VERT EDGE ALL AROUND CAVITY/PATCH PERIMETER

CHIP 3/4" MIN CLEAR BTWN BAR & SOUND CONCRETE

2 HIGH ELEVATION GUTTER REPAIR - MAIN POOL
SCALE: 1 1/2" = 1'-0"

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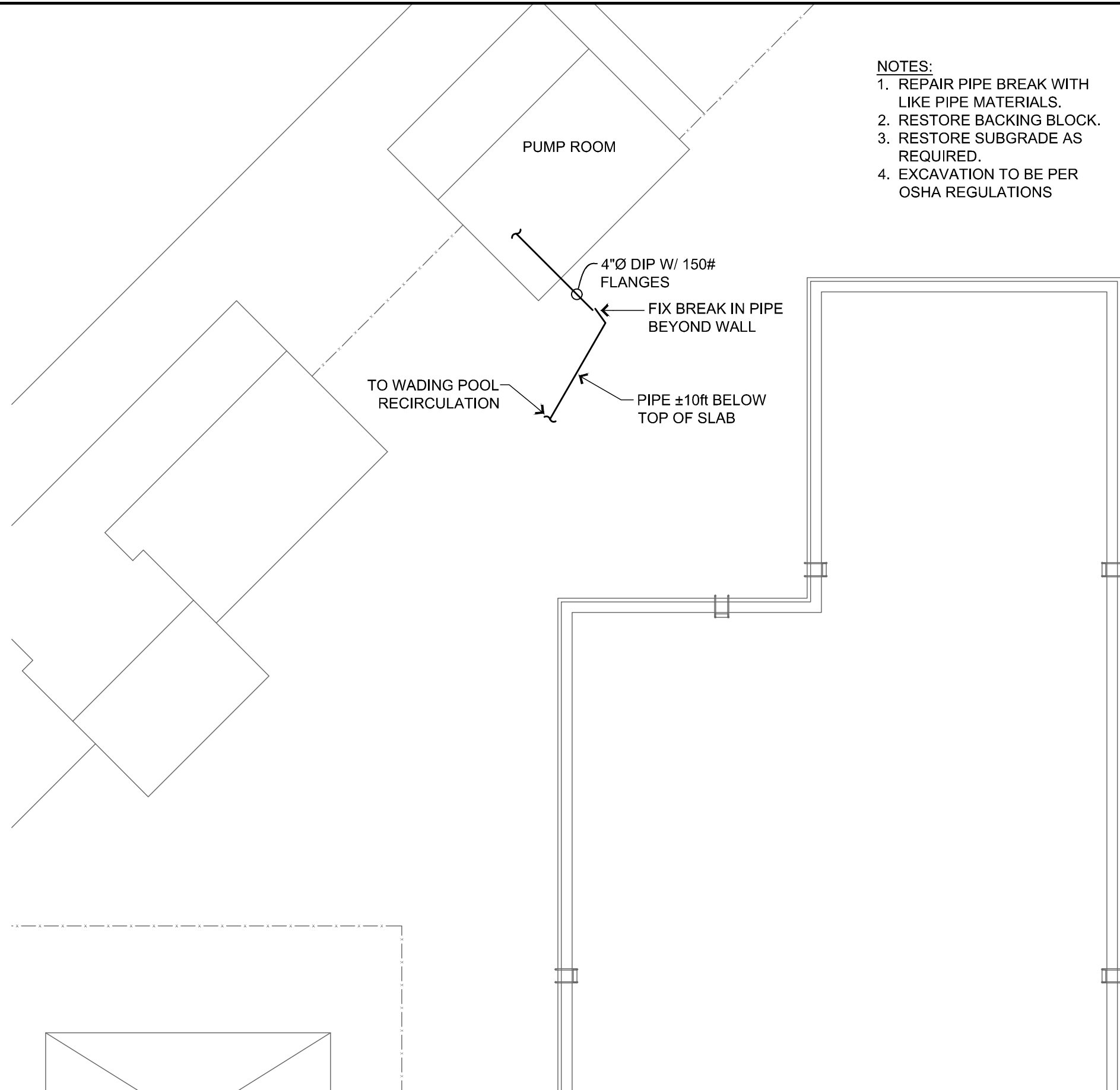


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S4



- NOTES:**
1. REPAIR PIPE BREAK WITH LIKE PIPE MATERIALS.
 2. RESTORE BACKING BLOCK.
 3. RESTORE SUBGRADE AS REQUIRED.
 4. EXCAVATION TO BE PER OSHA REGULATIONS



ELLIS MUNICIPAL POOL REPAIRS

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1 PLUMBING REPAIR PLAN
 SCALE: 1/16" = 1'-0"

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P1