Iowa Department of Natural Resources
Construction Documents for
Rock Creek State Park
Jasper County, Iowa

Boat Ramp Parking Improvements
Project No. 26-05-50-01

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Directory	
Project Manager	
Organization	Iowa DNR
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Organization	Iowa DNR
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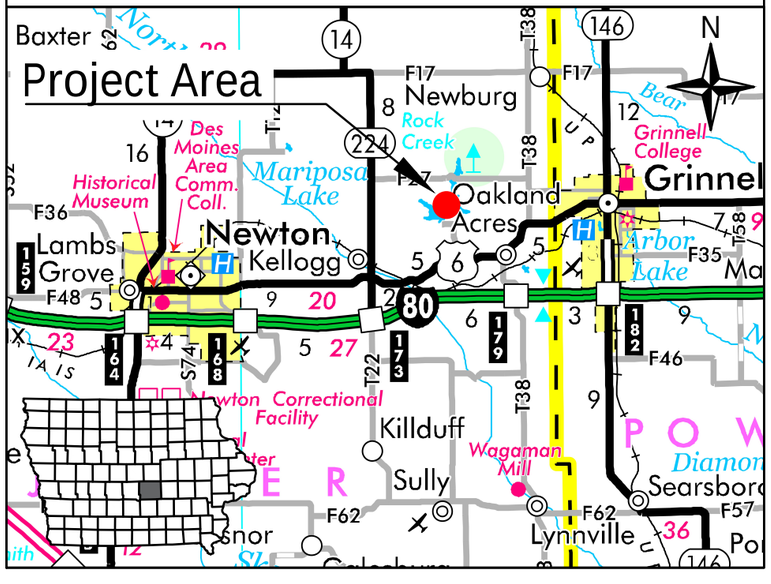
City, State, Zip	Indianola, IA 50125

Project Description

This project includes pavement removal and replacement, additional boat trailer parking, and parking line painting.

Project Location Map



Authorization to Bid

George Scholten
Digitally signed by George D Scholten
Date: 2026.08.24 16:26:27 -05'00'

Capital Manager Authorization - Fisheries — Date

Travis Baker
Digitally signed by Travis Baker
Date: 2026.08.25 09:02:47 -05'00'

Engineering Bureau Chief — Date

LICENSED PROFESSIONAL ENGINEER
Jason K. Kruse
19718
IOWA

I hereby certify that this engineering 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.

Jason Kruse
Digitally signed by Jason Kruse
DN: C=US, E=jason.kruse@dnr.iowa.gov, O=Iowa Department of Natural Resources, OU=Engineering Bureau, CN=Jason Kruse
Date: 2026.07.10 15:17:15-05'00'

Jason K. Kruse — Date
License Number: 19718
My license renewal date is December 31, 2027
Pages or sheets covered by this seal:
All

Sheet Index	
A.01	Cover Sheet
A.02	Project Overview
A.03	West Boat Ramp Overview
A.04	Beach Boat Ramp Overview
A.05	South Shelter Boat Ramp Overview
B.01	Details and Specifications
C.01	Quantities & General Information
D.01	West Boat Ramp Parking Plan
D.02	Beach Boat Ramp Parking Plan
D.03	South Shelter Boat Ramp Parking Plan

Plot Date: 7/1/2026 8:30 AM
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Plot Date: 7/1/2026 8:30 AM

Iowa Department of Natural Resources
Engineering Section - 6200 Park Ave., Suite 200 Des Moines, IA 50321-1270

Drawn by: TH

Revision	Date
60%	5/21/26
90%	6/2/26

Bid Date: mm/dd/yyyy

Project Number: 26-05-50-01

Rock Creek Parking Improvements
Rock Creek State Park, Jasper County

Project Overview

Sheet No: A.02



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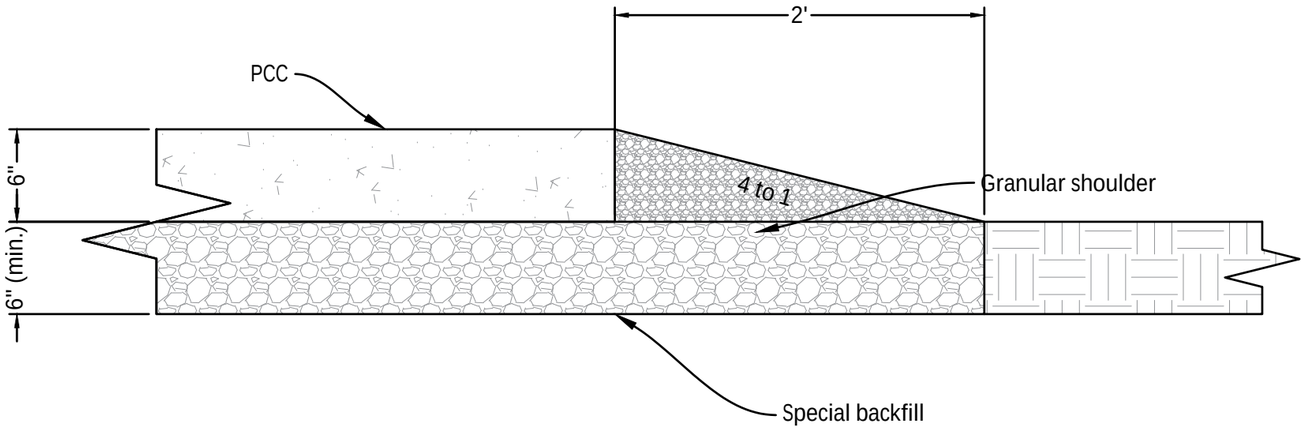
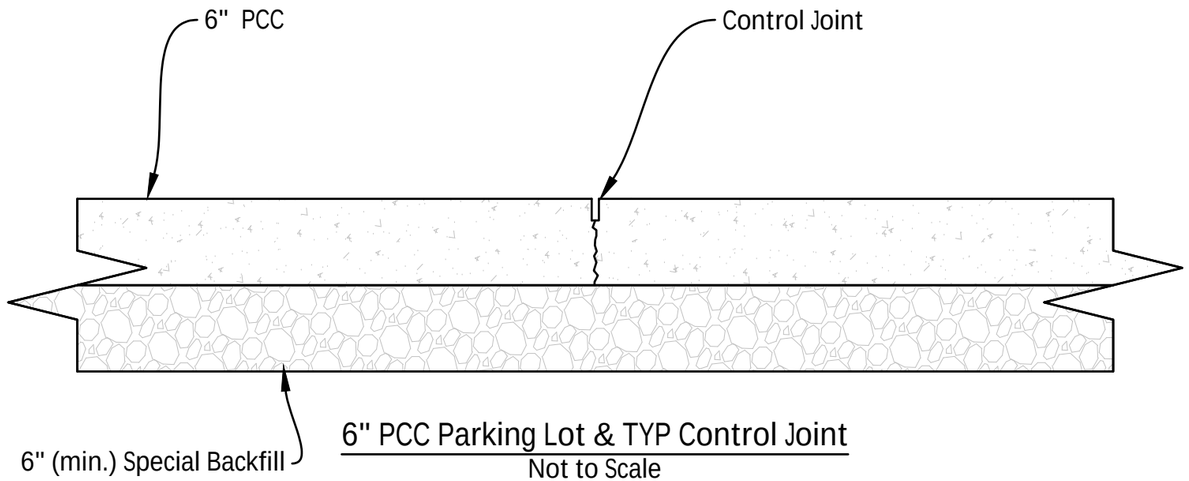
Rock Creek Parking Improvements
Rock Creek State Park, Jasper County

Project Overview
South Shelter Boat Ramp

Sheet No: A.05



6" PCC Parking Lot & Granular Shoulder
Not to Scale



6" PCC Parking Lot & TYP Control Joint
Not to Scale

Notes:
1. Special Backfill - Place with variable depths, minimum 6", to reach the proposed subgrade for new paved surface. Maximum 6" lifts.
2. Control Joints - Shall be sawcut $\frac{1}{4}$" wide, 14' maximum spacing, and no more than $\frac{1}{4}$ thickness of slab

MUTCD R7-8 SOLID GREEN LEGEND AND BORDER REFLECTIVE WHITE BACKGROUND WHITE ACCESSIBILITY SYMBOL ON BLUE BACKGROUND



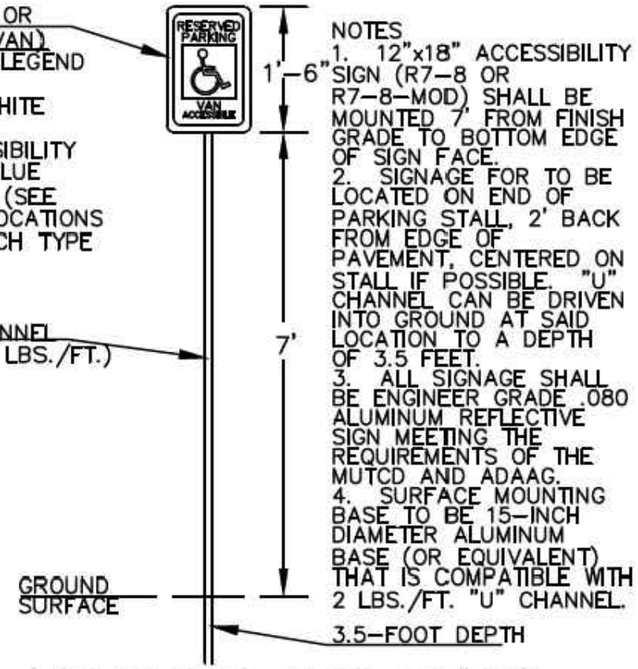


R7-8-MOD (VAN) SOLID GREEN LEGEND AND BORDER REFLECTIVE WHITE BACKGROUND WHITE ACCESSIBILITY SYMBOL ON BLUE BACKGROUND

HANDICAP SIGN TYPES

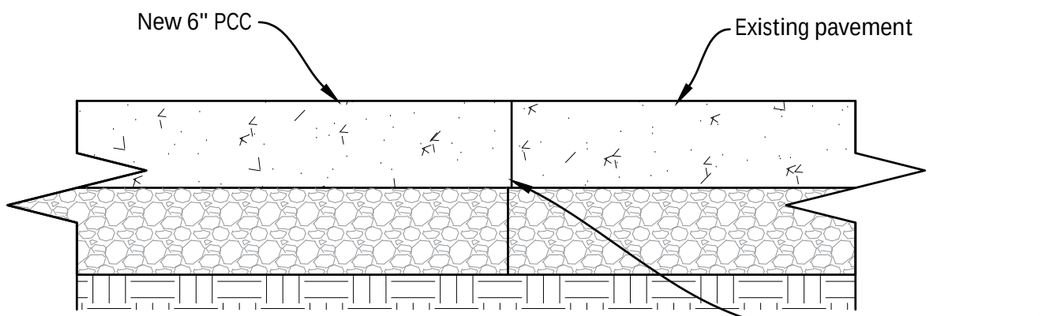
MUTCD R7-8 OR R7-8-MOD (VAN) SOLID GREEN LEGEND AND BORDER REFLECTIVE WHITE BACKGROUND WHITE ACCESSIBILITY SYMBOL ON BLUE BACKGROUND (SEE PLANS FOR LOCATIONS AND FOR WHICH TYPE OF SIGN)

"U"-CHANNEL POST (2 LBS./FT.)



NOTES
1. 12"x18" ACCESSIBILITY SIGN (R7-8 OR R7-8-MOD) SHALL BE MOUNTED 7' FROM FINISH GRADE TO BOTTOM EDGE OF SIGN FACE.
2. SIGNAGE FOR TO BE LOCATED ON END OF PARKING STALL, 2' BACK FROM EDGE OF PAVEMENT, CENTERED ON STALL IF POSSIBLE. "U" CHANNEL CAN BE DRIVEN INTO GROUND AT SAID LOCATION TO A DEPTH OF 3.5 FEET.
3. ALL SIGNAGE SHALL BE ENGINEER GRADE .080 ALUMINUM REFLECTIVE SIGN MEETING THE REQUIREMENTS OF THE MUTCD AND ADAAG.
4. SURFACE MOUNTING BASE TO BE 15-INCH DIAMETER ALUMINUM BASE (OR EQUIVALENT) THAT IS COMPATIBLE WITH 2 LBS./FT. "U" CHANNEL.

HANDICAP SIGN DETAIL
NOT TO SCALE



6" PCC Parking Lot & Typ. Vertical Sawcut
Not to Scale

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Rock Creek Parking Improvements
Rock Creek State Park, Jasper County

Specifications & Details

Sheet No: B.01

Plot Date: 7/1/2026 8:32 AM
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Estimated Quantities

Item	Description	Quantity	Unit
1	Mobilization	1	LS
2	Traffic Control	1	LS
3	Pavement Removal	4,024	SY
4	Construction Staking	1	LS
5	Special Backfill	407	TN
6	Remove and Reinstall Existing Wheel Stops	15	EA
7	Parking Lot, 6" PCC	5,496	SY
8	Culvert, RCP, 24"	116	LF
9	Apron, RCP, 24"	2	EA
10	Install New Wheel Stops	15	EA
11	ADA Parking Signs & Line Painting	4	EA
12	Line Painting	1,734	LF
13	Furnish & Apply Granular Shoulder Material	175	TON
14	Site Rstoration	1	LS
15	NPDES Permit & Required Monitoring	1	LS

Estimate Reference Information

2. Traffic Control - Vehicle access to all sites shall be closed with type 3 barricades during construction. Rock Creek W St. shall remain open, place "road work ahead" (W20-1) sign on Rock Creek W St near the intersection of Hwy F27 E . See A.02, A.03, & A.04 for details

3. Pavement Removal - The contractor shall remove existing pavement as indicated on plan sheets. All saw cuts shall be incidental. Off site disposal of waste material is the responsibility of the contractor. Regrading shall be incidental.

5. Special backfill - The contractor may crush material from pavement removal and use it as recycled material provide it meets the gradation requirements.

6. Excavation, Class 10 - Excavated material shall be use as fill in necessary locations and for grading fillets between parking lot and existing ground and for the site restoration grading. Pit vault demo shall be incidental to this bid item. The remainder shall be spoiled. A suitable waste site site shall be obtained by the contractor. No shrink factor is applied.

7. Parking Lot, 6" PCC - Concrete pavement with IDOT C4 mix. Joints shall be sawcut at 14' maximum spacing. 6" (min.) sawcuts to create a vertical edge on existing pavement are required and are to be considered incidental to this line item. PCC testing to be handled by a separate DNR contract.

8. Remove existing 24" CMP and replace with 24" RCP, same depth & grade.

10. New Wheel Stops - Shall be concrete, 6' in length, and tied to paved surface with metal pins. Wheel stops have height of 4" to 5".

11. ADA Parking Stalls, Complete - Stalls shall have applicable signage, and line painting (same reference information as line item 12).

12. Parking Line Painting - High Build waterborne, Yellow - The pavement surface shall be power washed before painting. A minimum of 7-day waiting period after paving shall be observed.

13. Furnish and Supply Granular Shoulder Material - IDOT Type B granular shoulders Section 2121). Shoulder shall slope 4 to 1 from pavement edge to existing ground.

14. Site Restoration - All disturbed areas and other areas indicated on construction documents, shall receive seed, fertilizer, and mulch per IDOT Section 2601,, using the Permanent Urban seed mixture. Hydraulic much shall be used. the contractor shall grade disturbed areas to drain as as directed by the plans and DNR Field Engineer.

15. The contractor shall obtain an NPDES Permit #2 for stormwater discharge, develop the required SWPPP, and complete the required inspections.

General Information

1. Verify actual locations and elevations with DNR Engineer.
2. All work shall conform to and be performed in accordance with all applicable codes and ordinances.
3. The contractor shall visit the site and inspect the project area and thoroughly familiarize themselves with the actual job conditions prior to bidding and the start of work. Failure to visit the project site shall not relieve the contractor from performing the work in accordance to the plans, specification, special provisions and contract.
4. The contractor shall verify, at the site, all dimensions and conditions shown on the plans and shall notify the DNR Engineer of any discrepancies, omissions, and/or conflicts prior to proceeding with the work.
5. It shall be the contractor's responsibility to provide waste areas or disposal sites for excess material (excavated material or broken concrete) which is not desirable to be incorporated into the work involved on this project. No payment for overhaul will be allowed for material hauled to these sites. No material shall be placed within the right-of-way, unless specifically stated in the plans or approved by the DNR Engineer.
6. The contractor shall not disturb desirable grass areas and desirable trees outside the construction limits. The contractor will not be permitted to park or service vehicles and equipment or use these areas for storage of materials. Storage, parking and service areas will be subject to the approval of the DNR Engineer.
7. Where utilities and fixtures are shown as Existing on the plans or encountered within the construction area, it shall be the responsibility of the contractor to notify the DNR Engineer of those utilities prior to the beginning of any construction. The contractor shall be afforded access to these facilities for necessary modification of services. Underground facilities, structures and utilities have been plotted from available surveys and records and therefore their locations must be considered approximate only. It is possible there may be others, the existence of which is presently not known or shown. It is the contractor's responsibility to determine their existence and exact location and to avoid damage thereto. No claims for additional compensation will be allowed to the contractor for any interference or delay caused by such work.
8. The contractor shall shape graded area to maintain surface drainage. All elevations are to finish grade.
9. The contractor is expected to have materials, equipment, and labor available on a daily basis to install and maintain erosion control features on the project. This may involve seeding, silt fence, rock ditch checks, silt basins or silt dikes.

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Project Number: 26-05-50-01

Rock Creek Parking Improvements
Rock Creek State Park, Jasper County

Quantities & General Information

Sheet No: C.01

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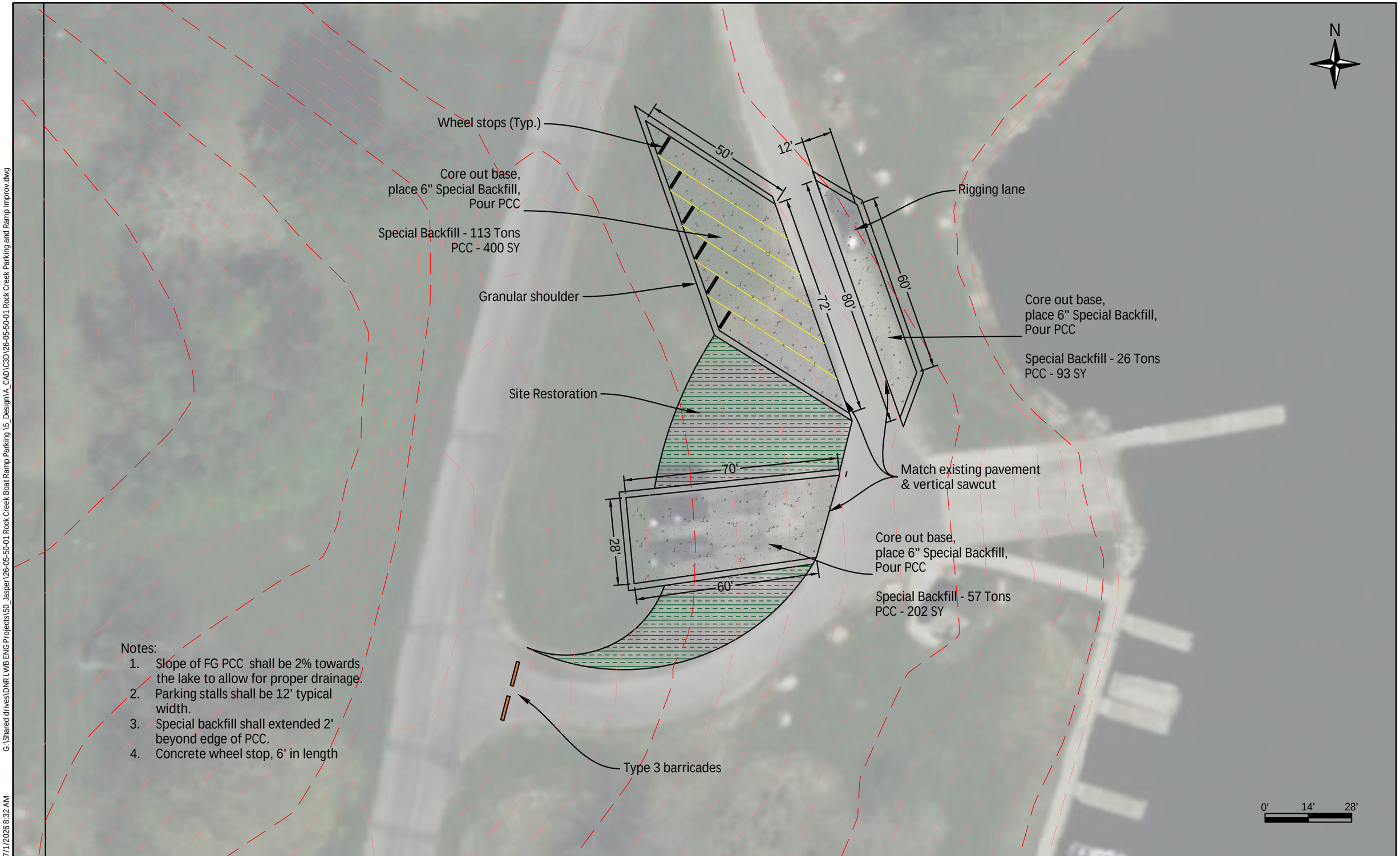

Notes:

1. Slope of FG PCC shall be 2% towards the lake to allow for proper drainage.
2. Parking stalls shall be 12' typical width.
3. Special backfill shall extended 2' beyond edge of PCC.
4. Concrete wheel stop, 6' in length

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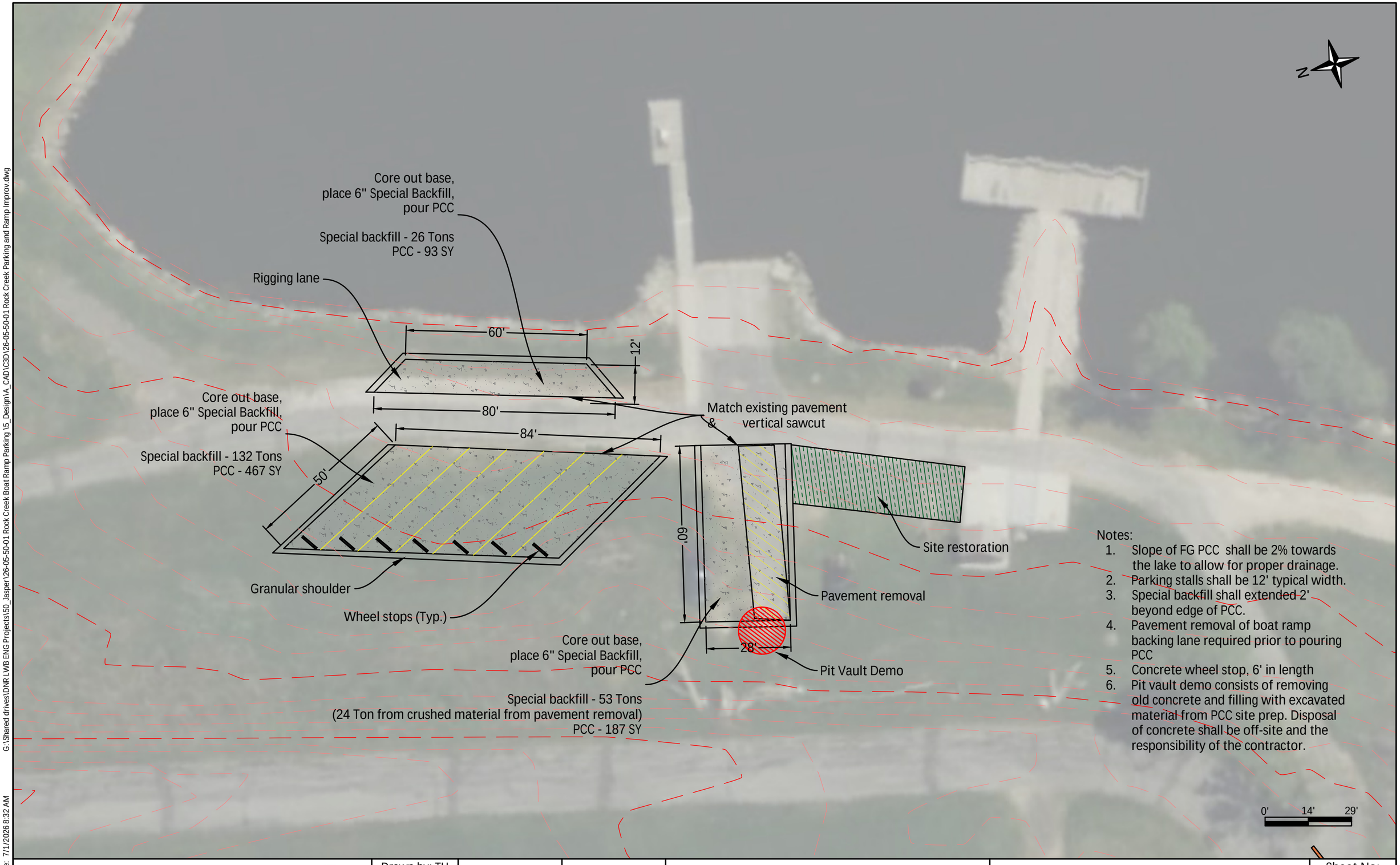

Notes:

1. Slope of FG PCC shall be 2% towards the lake to allow for proper drainage.
2. Parking stalls shall be 12' typical width.
3. Special backfill shall extended 2' beyond edge of PCC.
4. Pavement removal of boat ramp backing lane required prior to pouring PCC
5. Concrete wheel stop, 6' in length
6. Pit vault demo consists of removing old concrete and filling with excavated material from PCC site prep. Disposal of concrete shall be off-site and the responsibility of the contractor.

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Match existing pavement & vertical sawcut

Granular shoulder

5'

1 ADA Parking Sign
Van accesible

Wheel stops (Typ.)

ST24

ST24

Existing 24" CMP
New 24" RCP

Remove pavement,
core base,
place 6" Special Backfill,
pour PCC

Special backfill - 1,150 Tons
(Contractor may use crushed pavement)
PCC - 4,054 SY

Granular shoulder

Rigging lane

60'

12'

80'

Match existing pavement
& vertical sawcut

5'

13'

1 ADA Parking Sign
Van accesible

1 ADA
Parking Sign

12' (Typ.)

1 ADA
Parking Sign

Match existing pavement
& vertical sawcut

0' 17' 35'

N

Notes:

1. Completely re-pave existing footprint of parking lot and travel lanes, plus new rigging lane.
2. Slope of FG PCC shall be 2% towards the lake to allow for proper drainage.
3. Special backfill shall extended 2' beyond edge of PCC.
4. Concrete wheel stop, 6' in length
5. Existing pavement shall be matched with a vertical sawcut

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