



UNIVERSITY FACILITIES MANAGEMENT

Sixth Avenue and Grant Street • P.O. Box 172760 • Bozeman, Montana 59717-2760
Phone: (406) 994-5413 • Fax: (406) 994-5665

ADDENDUM NO. 2 - OUTLINE AND SUMMARY INFORMATION

Project Name: PARKING IMPROVEMENTS 2025 PPA No.: 22-0012
Location: GRANT CHAMBERLAIN, Bozeman, MT 59717 Date: 10-22-2024

To: *All Plan Holders of Record*

*The Plans and Specification prepared by **DJ&A P.C.** dated **10-22-2024**, shall be clarified and added as follow. The bidder proposes to perform all the following clarifications or changes. It is understood that the Base Bid shall include any modification of Work or Additional Work that may be required by reason of the following change or clarifications.*

The Bidders are to acknowledge the receipt of this Addendum by inserting its number and date into their Bid Forms. Failure to acknowledge may subject the Bidder to disqualification and rejection of the bid. This Addendum forms part of the Contract Documents as if bound therein and modifies them as follows:

I. **AMENDMENTS TO THE PROJECT MANUAL**

A. **MSU BID PROPOSAL LONG FORM 098**

DELETE – Bid tabulation estimated items table. Replace with updated bid tabulation estimated items table.

B. **SPECIFICATIONS 165600-1**

DELETE SPECIFICATIONS 165600-1. No light poles will be removed or replaced with Grant Chamberlain, Parking Improvements 2025.

II. **AMENDMENTS TO THE DRAWINGS**

A. **SHEET G10-1**

DELETE reference to C5-5

B. **SHEET C5-4**

REPLACE “8 E-BLOCKS” with “4 E-BLOCKS” in DETAIL B/C5-4. There will only be 4 electrical blocks to be reinstalled for Grant Chamberlain.

C. **SHEET C5-5**

DELETE SHEET C5-5. There will be no light poles removed or replaced with Grant Chamberlain.

III. GENERAL INFORMATION

A. ELECTRIC BLOCK RELOCATION

SIZE OF WIRE: Remove existing electric wire in conduit and install 10-gauge or 12-gauge, where necessary. Contractor to verify electric gauge size.

CONDUIT SIZE: Contractor to install new electrical wiring utilizing existing 1" conduit.

ELECTRIC PANEL LOCATION – The electric panels are located in the laundry rooms of each respective building. Each of the four electric blocks will be tied into the existing services at the nearest buildings: 102, 103, 104, and 105.

B. GENERAL

Builder's Risk insurance is not required.



BID PROPOSAL
PARKING IMPROVEMENTS 2025
PPA No. 22-0012

TO:
 State of Montana, Montana State University
 University Facilities Management
 Attn: Contract Administrator
 Plew Building, 6th & Grant,
 PO Box 172760
 Bozeman, Montana 59717-2760

Prospective Bidders:

The undersigned, having familiarized themselves with the Contract Documents, site, location, and conditions of the Work as prepared by **DJ&A, 220 W Lamme Street, Bozeman, MT 59715, (406) 721-4320**, by submission of this Bid Proposal, hereby agrees to provide all materials, systems, equipment and labor necessary to complete the Work for the total sum as follows:

	Item	Quantity	Unit	Unit Price	Cost
M1	MOBILIZATION	1	LS	-	-
A1	TEMPORARY TRAFFIC CONTROL	1	LS	-	-
A2	SOIL EROSION AND POLLUTION CONTROL	1	LS	-	-
A3	REMOVE EXISTING ASPHALT	6226	SY	-	-
A4	REMOVE EXISTING CURB & GUTTER	507	LF	-	-
A5	REMOVE EXISTING CONCRETE SIDEWALK	554	SY	-	-
A6	REMOVE EXISTING ELECTRIC POLES	16	EA		
A7	REMOVE & REINSTALL ELECTRIC POLES	4	EA		
A8	REMOVE LIGHT POLES	4	EA		
A9	REMOVE EXISTING SIGNS	3	EA		
A10	REMOVE EXISTING WHEEL STOPS	99	EA		
A11	REMOVE & REINSTALL EXISTING WHEEL STOPS	28	EA		
A12	ASHPALT PAVEMENT	56037	SF		
A13	CRUSHED BASE COURSE, 3/4" MINUS	2075	CY	-	-

A14	TYPICAL INTEGRAL CURB AND GUTTER	585	LF	-	-
A15	CONCRETE (SIDEWALKS)	91	SY	-	-
A16	CRUSHED-BASE COURSE, 1" MINUS	83	CY		
A17	INSTALL LIGHT POLES	4	EA		
A18	PLACEMENT OF 3-4" HDPE CONDUIT	530	LF		
A19	ADA RAMP & SIDEWALK IMPROVEMENTS	3	EA		
A20	ADA SIGNS	5	EA		
A21	"SERVICE VEHICLES ONLY" OR "NO PARKING SIGN INSTALLATION	4	EA		
A22	PERMANENT PAVEMENT MARKINGS- 4" STRIPING	2076	LF		
A23	PERMANENT PAVEMENT MARKINGS- NO PARKING STRIPING	2529	SF		
A24	PERMANENT PAVEMENT MARKING- CURB STRIPING	50	LF		
A25	48" ID DRY WELL STORM DRAIN STRUCTURE	1	EA		
A26	DRY WELL GRATE ASSEMBLY	1	EA		
A27	3"-8" WASHED DRAIN ROCK	13	CY		
A28	GEOTEXTILE	62049	SF		
A29	EXISTING MANHOLES TO ADJUST	3	EA		
A30	EXISTING WATER VALVE BOXES TO ADJUST	4	EA		
A31	REMOVE & REINSTALL UNDERGROUND ELECTRIC	770	LF		
-	Total for all unit Prices			-	\$

REPLACE WITH:

	Item	Quantity	Unit	Unit Price	Cost
M1	MOBILIZATION	1	LS		
A1	TEMPORARY TRAFFIC CONTROL	1	LS		
A2	SOIL EROSION AND POLLUTION CONTROL	1	LS		
A3	REMOVE EXISTING ASPHALT	10676	SY		
A4	REMOVE EXISTING CONCRETE	426	SY		
A5	REMOVE EXISTING ELECTRIC POSTS	73	EA		
A6	REMOVE & REINSTALL ELECTRIC POSTS	4	EA		
A7	REMOVE EXISTING SIGNS	2	EA		
A8	REMOVE EXISTING WHEEL STOPS	293	EA		
A9	REMOVE & REINSTALL MAILBOX	2	EA		
A10	ASPHALT PAVEMENT	85472	SF		
A11	CRUSHED BASE COURSE, ¾" MINUS	3366	CY		
A12	TYPICAL INTEGRAL CURB & GUTTER	1749	LF		

A13	CONCRETE (SIDEWALKS)	789	SY		
A14	CONCRETE (TRAFFIC-RATED PAD)	248	SY		
A15	PLACEMENT OF 3 4" HDPE CONDUIT	370	LF		
A16	ADA RAMP & SIDEWALK IMPROVEMENTS	6	EA		
A17	ADA SIGN PLACEMENT	6	EA		
A18	"SERVICE VEHICLE ONLY" OR "NO PARKING" SIGN INSTALLATION	11	EA		
A19	PERMANENT PAVEMENT MARKINGS – 4" STRIPING	3536	LF		
A20	PERMANENT PAVEMENT MARKINGS – NO PARKING CROSS HATCH STRIPING	2100	SF		
A21	60" ID DRY WELL STORM DRAIN STRUCTURE	2	EA		
A22	DRY WELL GRATE ASSEMBLY	2	EA		
A23	TRENCH DRAIN	6	SF		
A24	VEGETATED SWALES	3049	SF		
A25	3"-8" WASHED DRAIN ROCK	83	CY		
A26	GEOTEXTILE FABRIC	100120	SF		
A27	REMOVE & REINSTALL UNDERGROUND ELECTRIC	740	LF		
	Total for all unit Prices				\$

BASE BID:

_____ and _____ /100 DOLLARS
 (ALPHA notation) \$ _____ (NUMERIC notation)

ALTERNATE NO. 1: ADD (Insert Description here)

THE BIDDER AGREES TO **ADD** THE SPECIFIED SCOPE OF WORK FOR THE TOTAL SUM OF:

_____ and _____ /100 DOLLARS
 (ALPHA notation) \$ _____ (NUMERIC notation)

ALTERNATE NO. 1: ADD (Insert Description here)

THE BIDDER AGREES TO **ADD** THE SPECIFIED SCOPE OF WORK FOR THE TOTAL SUM OF:

_____ and _____ /100 DOLLARS
 (ALPHA notation) \$ _____ (NUMERIC notation)

UNIT PRICE 1: (Insert Description here)

THE BIDDER AGREES TO COMPLETE THE SPECIFIED SCOPE OF WORK FOR THE UNIT COST OF:

_____ and _____ /100 DOLLARS
(ALPHA notation) \$ _____ (NUMERIC notation)

This bidder acknowledges receipt of the following addenda:

ADDENDUM No.: _____ Dated: _____
ADDENDUM No.: _____ Dated: _____
ADDENDUM No.: _____ Dated: _____

By signing below, the bidder agrees to all terms specified and AGREES TO fulfill the requirements of the CONTRACT in strict accordance with the bidding documents.

Company Name: _____

Signature**: _____

Print Name: _____

Title: _____

Business Address: _____

Construction Contractor
Registration No.: _____

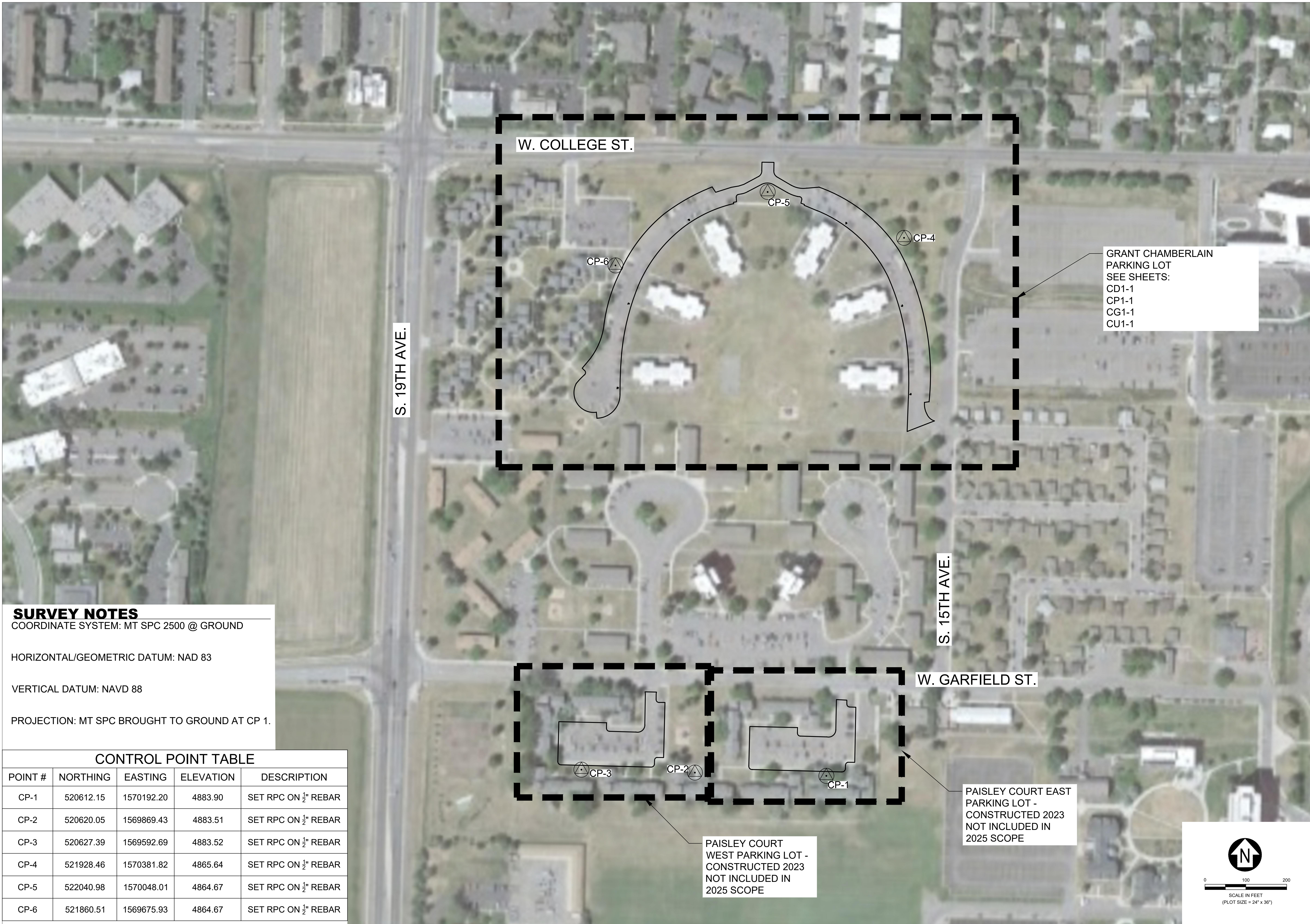
Phone No.: _____

Fax No.: _____

Email: _____

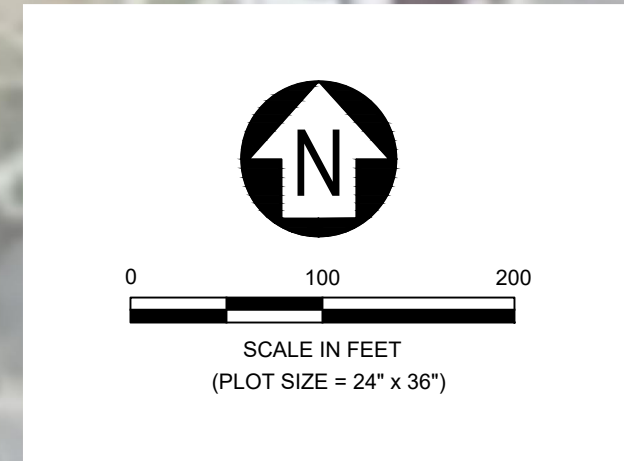
Date.: _____

** Must meet the requirements of paragraph 6.9 of the Project Manual.



SURVEY NOTES
 COORDINATE SYSTEM: MT SPC 2500 @ GROUND
 HORIZONTAL/GEOMETRIC DATUM: NAD 83
 VERTICAL DATUM: NAVD 88
 PROJECTION: MT SPC BROUGHT TO GROUND AT CP 1.

CONTROL POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP-1	520612.15	1570192.20	4883.90	SET RPC ON ½" REBAR
CP-2	520620.05	1569869.43	4883.51	SET RPC ON ½" REBAR
CP-3	520627.39	1569592.69	4883.52	SET RPC ON ½" REBAR
CP-4	521928.46	1570381.82	4865.64	SET RPC ON ½" REBAR
CP-5	522040.98	1570048.01	4864.67	SET RPC ON ½" REBAR
CP-6	521860.51	1569675.93	4864.67	SET RPC ON ½" REBAR

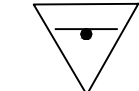

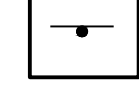




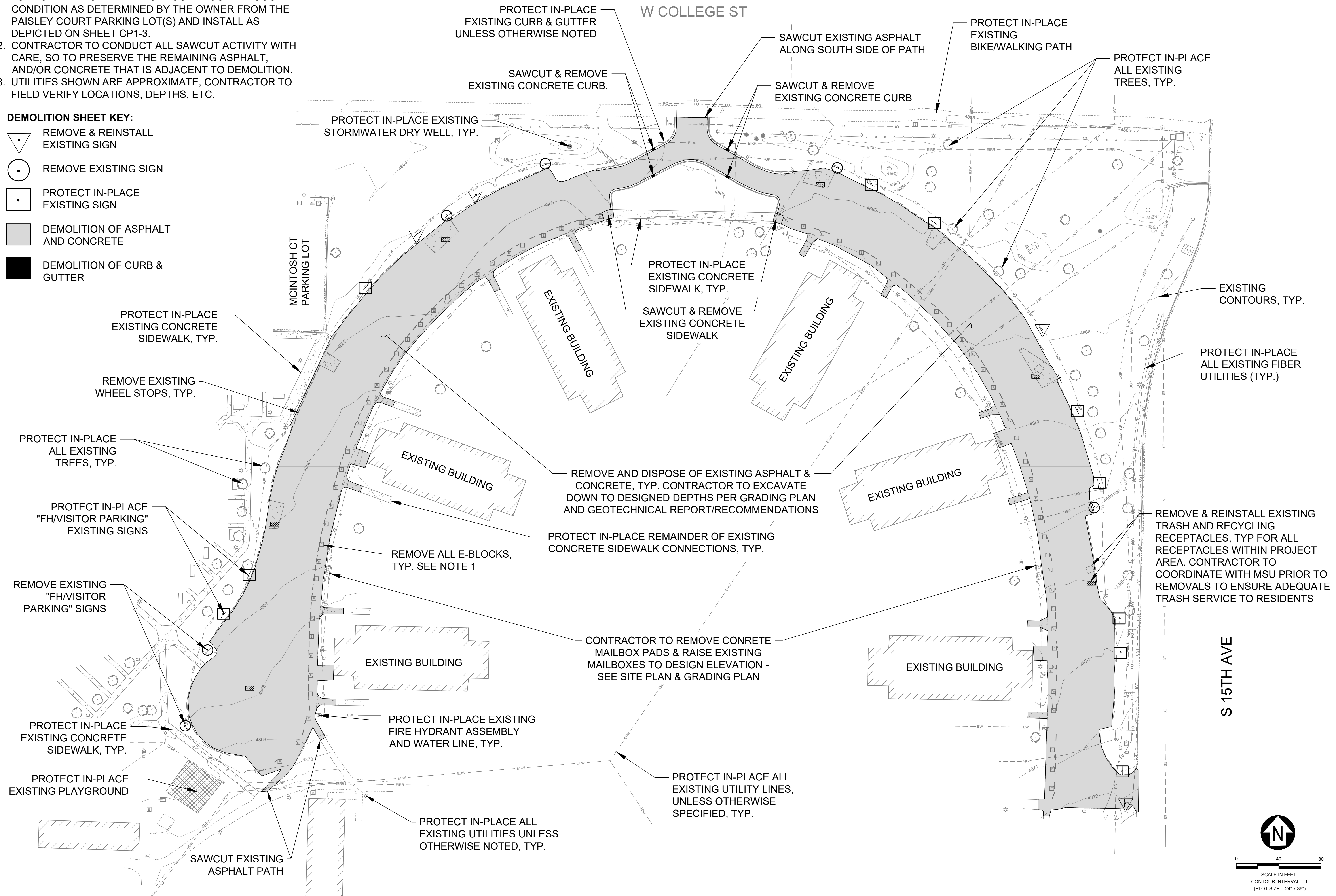
MDT, 2014-2015, 2016-2017, 2018-2019, 2020-2021, 2022-2023
 PHOTOGRAPHY: © 2023 by Drone and Imaging Services, LLC

DEMOLITION NOTES:

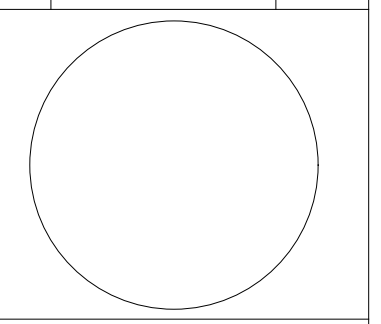
1. ALL E-BLOCKS IN THE GRANT CHAMBERLAIN PARKING LOT TO BE REMOVED. SELECT FOUR BLOCKS IN GOOD CONDITION AS DETERMINED BY THE OWNER FROM THE PAISLEY COURT PARKING LOT(S) AND INSTALL AS DEPICTED ON SHEET CP1-3.
2. CONTRACTOR TO CONDUCT ALL SAWCUT ACTIVITY WITH CARE, SO TO PRESERVE THE REMAINING ASPHALT, AND/OR CONCRETE THAT IS ADJACENT TO DEMOLITION.
3. UTILITIES SHOWN ARE APPROXIMATE, CONTRACTOR TO FIELD VERIFY LOCATIONS, DEPTHS, ETC.

DEMOLITION SHEET KEY:

-  REMOVE & REINSTALL EXISTING SIGN
-  REMOVE EXISTING SIGN
-  PROTECT IN-PLACE EXISTING SIGN
-  DEMOLITION OF ASPHALT AND CONCRETE
-  DEMOLITION OF CURB & GUTTER



REV.	DESCRIPTION	DATE

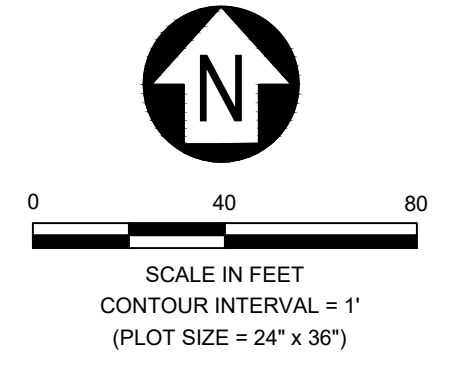


PPA#22-0012

GRANT CHAMBERLAIN - DEMO PLAN

SHEET **CD1-1**

DATE **05-09-23**



SITE PLAN NOTES:

1. CONDUITS WILL BE INSTALLED AT 24" BURY DEPTH TO TOP OF CONDUIT BUNDLE. LABEL CONDUITS WITH LOCATE TAPE. CAP, MARK AND SWEEP 3' OFF THE GROUND. LOCATED AT A 2' SETBACK FROM THE CURB. SEE DETAIL C/C5-3.
2. PROPOSED STANDARD PARKING STALLS: 247. PROPOSED ADA PARKING STALLS: 6.
3. ALL INTERIOR PARKING STALLS ARE MEASURED 16' FROM THE FACE OF CURB TO THE END OF STALL. ALL EXTERIOR PARKING STALLS ARE MEASURED 16' FROM EDGE OF DRIVE AISLE UNLESS OTHERWISE MARKED. SOME MINOR VARIANCES OF LENGTH MAY EXIST FOR EXTERIOR STALLS.
4. WIDTH OF PARKING STALLS MEASURED AT NARROWEST POINT (ALONG FACE OF CURB FOR INTERIOR PARKING STALLS AND ALONG EDGE OF DRIVE AISLE FOR EXTERIOR PARKING STALLS).
5. CONTRACTOR TO EXERCISE CAR IN MINIMIZING DISTURBANCE TO LANDSCAPING BEYOND EDGE OF PROPOSED IMPROVEMENTS/PROJECT EXTENTS. MSU TO PROVIDE PATCHING AND REPAIR OF LANDSCAPING, GRASS AREA(S), AND IRRIGATION. CONTRACTOR TO COORDINATE WITH MSU PRIOR TO DISTURBING ANY LANDSCAPED AREAS.

INSTALL E-BLOCK & RECONNECT TO EXISTING ELECTRICAL SERVICES. SEE DETAIL B/C5-4

INSTALL 75 LF OF (3) 4" CONDUITS. SEE NOTE 1

INSTALL DRAINAGE STRUCTURE. SEE DETAIL A/C5-3

INSTALL CATCH CURB & GUTTER. SEE DETAIL A/C5-1

INSTALL 1' CONCRETE SIDEWALK AND TIE EXISTING SIDEWALK TO PROPOSED TBC.

16' X 9' PARKING STALLS, TYP.

INSTALL CONCRETE PAD. SEE DETAIL G/C5-1

INSTALL 80 LF OF (3) 4" CONDUITS. SEE NOTE 1

INSTALL CATCH CURB & GUTTER BEGINNING AT CORNER. SEE DETAIL A/C5-1

TIE TO EXISTING CONCRETE

INSTALL SIGN, "NO PARKING." SEE DETAIL D/C5-4

TIE TO EXISTING CONCRETE

INSTALL 35 LF OF (3) 4" CONDUITS. SEE NOTE 1

REPLACE CURB AND GUTTER PER DETAIL A/C5-1

POTENTIAL LOCATION OF IRRIGATION VALVE BOX (COORDINATE WITH MSU)

INSTALL SIGN, "NO PARKING." SEE DETAIL D/C5-4

INSTALL CONCRETE PAD. SEE DETAIL G/C5-1

W COLLEGE ST

TIE TO EXISTING CURB & GUTTER

PEDESTRIAN ACCESS RAMP

TIE PROPOSED CONCRETE SIDEWALK TO EXISTING AT NEAREST JOINT BEYOND EXTENTS SHOWN (TYP.)

INSTALL "SERVICE VEHICLE PARKING ONLY" SIGN. CONTRACTOR TO VERIFY LOCATION WITH OWNER PRIOR TO INSTALLATION

INSTALL SIDEWALK TRENCH DRAIN. SEE DETAIL D/C5-3

INSTALL ADA PARKING SIGN. SEE DETAIL D/C5-4

INSTALL 1 ADA ACCESSIBLE VAN STALL. SEE DETAIL D/C5-2

INSTALL CONCRETE SIDEWALK AND CURB & GUTTER. WIDTHS VARY SLIGHTLY. SEE DETAIL A/C5-1

PEDESTRIAN ACCESS RAMP

INSTALL "SERVICE VEHICLE PARKING ONLY" SIGN. CONTRACTOR TO VERIFY LOCATION WITH OWNER PRIOR TO INSTALLATION.

INSTALL SIDEWALK TRENCH DRAIN. SEE DETAIL D/C5-3

INSTALL ADA PARKING SIGN. SEE DETAIL D/C5-4

INSTALL 1 ADA ACCESSIBLE VAN STALL. SEE DETAIL D/C5-2

INSTALL E-BLOCK & RECONNECT TO EXISTING ELECTRICAL SERVICES. SEE DETAIL B/C5-4

INSTALL 6" CONCRETE SIDEWALK. SEE DETAIL A/C5-1. BOLT/FASTEN MAILBOX STRUCTURES TO 6" CONCRETE. SLAB. RAISE MAILBOX SLAB & MAILBOXES TO GRADE TO MATCH BACK OF SIDEWALK. SEE GRADING PLAN.

SPILL CURB ALONG ENTIRE INTERIOR WEST SIDE. SEE DETAIL A/C5-1

PEDESTRIAN ACCESS RAMP

INSTALL "SERVICE VEHICLE PARKING ONLY" SIGN. CONTRACTOR TO VERIFY LOCATION WITH OWNER PRIOR TO INSTALLATION

INSTALL SIDEWALK TRENCH DRAIN. SEE DETAIL D/C5-3

INSTALL ADA PARKING SIGN. MSU TO FURNISH (TYP.), CONTRACTOR TO INSTALL. SEE DETAIL D/C5-4

INSTALL 1 ADA ACCESSIBLE VAN STALL. SEE DETAIL D/C5-2

INSTALL NEW ASPHALT AND TIE TO EXISTING AT CLEAN SAWCUT LINE. SEE DETAIL D/C5-1

INSTALL CONCRETE PAD. SEE DETAIL G/C5-1

TIE ASPHALT TO CLEAN SAWCUT LINE. APPLY TACKIFIER TO JOINT

INSTALL 35 LF OF (3) 4" CONDUITS. SEE NOTE 1

REPLACE CURB AND GUTTER PER DETAIL A/C5-1

INSTALL CONCRETE PAD. SEE DETAIL G/C5-1

INSTALL SIGN, "NO PARKING." MSU TO FURNISH, CONTRACTOR TO INSTALL (TYP.) SEE DETAIL D/C5-4

SNOW STORAGE. NO PARKING (TYP.)

INSTALL "SERVICE VEHICLE PARKING ONLY" SIGN. CONTRACTOR TO VERIFY LOCATION WITH OWNER PRIOR TO INSTALLATION

INSTALL SIDEWALK TRENCH DRAIN. SEE DETAIL D/C5-3

INSTALL ADA PARKING SIGN. SEE DETAIL D/C5-4

INSTALL 1 ADA ACCESSIBLE VAN STALL. SEE DETAIL D/C5-2

PEDESTRIAN ACCESS RAMP

INSTALL "SERVICE VEHICLE PARKING ONLY" SIGN. CONTRACTOR TO VERIFY LOCATION WITH OWNER PRIOR TO INSTALLATION

INSTALL SIDEWALK TRENCH DRAIN. SEE DETAIL D/C5-3

INSTALL ADA PARKING SIGN. SEE DETAIL D/C5-4

INSTALL 1 ADA ACCESSIBLE VAN STALL. SEE DETAIL D/C5-2

PEDESTRIAN ACCESS RAMP

INSTALL "SERVICE VEHICLE PARKING ONLY" SIGN. CONTRACTOR TO VERIFY LOCATION WITH OWNER PRIOR TO INSTALLATION

BEGIN SPILL CURB. SEE DETAIL A/C 5-1

INSTALL SIDEWALK TRENCH DRAIN. SEE DETAIL D/C5-3

INSTALL DRAINAGE STRUCTURE. SEE DETAIL A/C5-3. END CATCH CURB, BEGIN TRANSITION TO SPILL CURB. SEE DETAIL A/C5-1

INSTALL ADA PARKING SIGN. SEE DETAIL D/C5-4

INSTALL 1 ADA ACCESSIBLE VAN STALL. SEE DETAIL D/C5-2

INSTALL E-BLOCK & RECONNECT TO EXISTING ELECTRICAL SERVICES. LOCATION OF EXISTING ELECTRICAL APPROXIMATE. CONTRACTOR TO VERIFY. SEE DETAIL B/C5-4

INSTALL CONCRETE PAD. SEE DETAIL G/C5-1

INSTALL 70 LF OF (3) 4" CONDUITS. SEE NOTE 1

TIE ASPHALT TO EXISTING CURB WALL.

TIE ASPHALT TO CLEAN SAWCUT LINE. APPLY TACKIFIER TO JOINT

INSTALL "SERVICE VEHICLE PARKING ONLY" SIGN. MSU TO FURNISH (TYP.), CONTRACTOR TO INSTALL. CONTRACTOR TO VERIFY LOCATION WITH OWNER PRIOR TO INSTALLATION

INSTALL SIDEWALK TRENCH DRAIN. SEE DETAIL D/C5-3

INSTALL ADA PARKING SIGN. SEE DETAIL D/C5-4

INSTALL 1 ADA ACCESSIBLE VAN STALL. SEE DETAIL D/C5-2

CATCH CURB. DETAIL A/C5-1

PATCH ASPHALT PATHWAYS AND TIE TO EXISTING AT CLEAN SAWCUT LINE. SEE DETAIL D/C5-1

TIE TO EXISTING CONCRETE. CONTRACTOR TO MAINTAIN EXISTING PEDESTRIAN RAMP.

SUB-BASE AND BASE COURSE OF ASPHALT TO EXTEND A MIN. 4" BEYOND EDGE OF ASPHALT (TYP.)

INSTALL NEW ASPHALT PAVEMENT SECTION PER DETAIL E/C5-1 OR F/C5-1 & GEOTECHNICAL RECOMMENDATIONS

INSTALL 75 LF OF (3) 4" CONDUITS. SEE NOTE 1

INSTALL E-BLOCK & RECONNECT TO EXISTING ELECTRICAL SERVICES. SEE DETAIL B/C5-4

INSTALL SIGN, "NO PARKING." SEE DETAIL D/C5-4

INSTALL CONCRETE PAD. SEE DETAIL G/C5-1

16' X 9' PARKING STALLS, TYP.

INSTALL E-BLOCK & RECONNECT TO EXISTING ELECTRICAL SERVICES. LOCATION OF EXISTING ELECTRICAL APPROXIMATE. CONTRACTOR TO VERIFY. SEE DETAIL B/C5-4

INSTALL CONCRETE PAD. SEE DETAIL G/C5-1

INSTALL 70 LF OF (3) 4" CONDUITS. SEE NOTE 1

TIE ASPHALT TO EXISTING CURB WALL.

TIE ASPHALT TO CLEAN SAWCUT LINE. APPLY TACKIFIER TO JOINT

INSTALL "SERVICE VEHICLE PARKING ONLY" SIGN. MSU TO FURNISH (TYP.), CONTRACTOR TO INSTALL. CONTRACTOR TO VERIFY LOCATION WITH OWNER PRIOR TO INSTALLATION

INSTALL SIDEWALK TRENCH DRAIN. SEE DETAIL D/C5-3

INSTALL ADA PARKING SIGN. SEE DETAIL D/C5-4

INSTALL 1 ADA ACCESSIBLE VAN STALL. SEE DETAIL D/C5-2

CATCH CURB. DETAIL A/C5-1

PATCH ASPHALT PATHWAYS AND TIE TO EXISTING AT CLEAN SAWCUT LINE. SEE DETAIL D/C5-1

TIE TO EXISTING CONCRETE. CONTRACTOR TO MAINTAIN EXISTING PEDESTRIAN RAMP.

INSTALL "SERVICE VEHICLE PARKING ONLY" SIGN. MSU TO FURNISH (TYP.), CONTRACTOR TO INSTALL. CONTRACTOR TO VERIFY LOCATION WITH OWNER PRIOR TO INSTALLATION

INSTALL SIDEWALK TRENCH DRAIN. SEE DETAIL D/C5-3

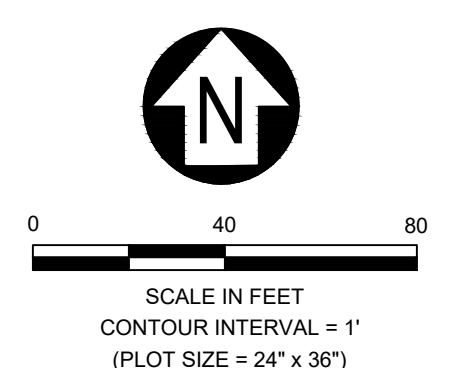
INSTALL ADA PARKING SIGN. SEE DETAIL D/C5-4

INSTALL 1 ADA ACCESSIBLE VAN STALL. SEE DETAIL D/C5-2

CATCH CURB. DETAIL A/C5-1

PATCH ASPHALT PATHWAYS AND TIE TO EXISTING AT CLEAN SAWCUT LINE. SEE DETAIL D/C5-1

TIE TO EXISTING CONCRETE. CONTRACTOR TO MAINTAIN EXISTING PEDESTRIAN RAMP.



MSU-CPDC
MONTANA STATE UNIVERSITY
BOZEMAN, MONTANA
PHONE: 406.994.5413
FAX: 406.994.5665

PARKING IMPROVEMENTS
2025



DRAWN BY: L. OTTEY
REVIEWED BY: K. GAUTHIER
REV. DESCRIPTION DATE

PPA#22-0012

GRANT CHAMBERLAIN - SITE PLAN

SHEET CP1-1

DATE 05-09-23

MSU-CPDC 2025-05-09 10:00 AM

GRADING AND DRAINAGE GENERAL NOTE:

EXACT TIE-IN ELEVATIONS MAY VARY BASED ON NEAREST ADJACENT SURFACE FOR ALL CONCRETE SIDEWALK (AND ASPHALT PAVEMENT) TIE-INS.

W COLLEGE ST

CONTRACTOR TO GRADE DRAINAGE SWALE PER CONTOURS. CONTRACTOR TO ENSURE MIN. BURY DEPTH OF UGP (MIN. 18") AND LOWER OR RELOCATE, IF REQUIRED.

CONTRACTOR TO INSTALL & MAINTAIN INLET PROTECTION PER SWPPP (TYP. OF ALL STORMWATER FACILITIES)

CONTRACTOR TO INSTALL & MAINTAIN INLET PROTECTION PER SWPPP (TYP. OF ALL STORMWATER FACILITIES)

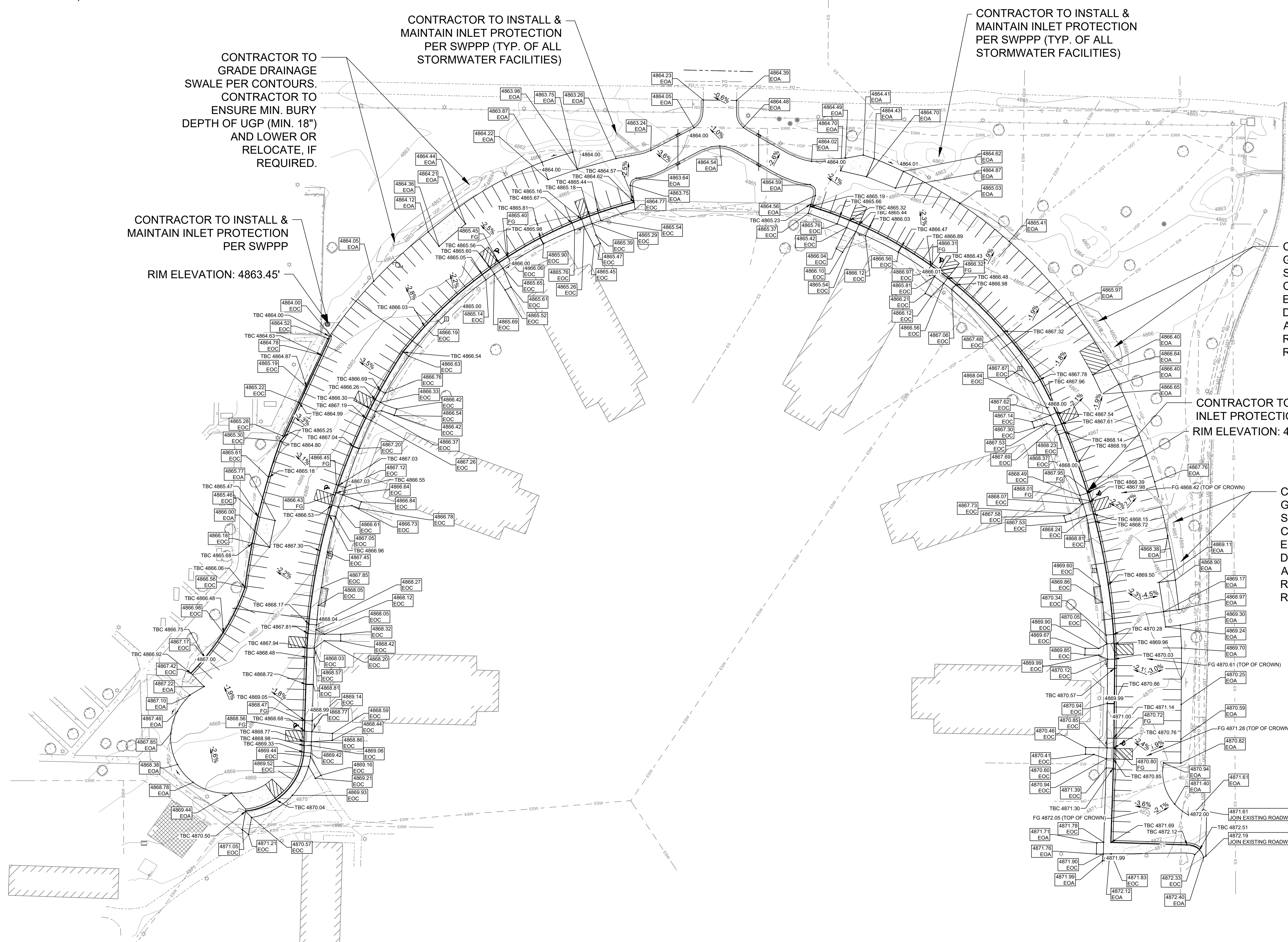
CONTRACTOR TO INSTALL & MAINTAIN INLET PROTECTION PER SWPPP

RIM ELEVATION: 4863.45'

CONTRACTOR TO GRADE DRAINAGE SWALE PER CONTOURS. CONTRACTOR TO ENSURE MIN. BURY DEPTH OF UGP (MIN. 18") AND LOWER OR RELOCATE, IF REQUIRED.

CONTRACTOR TO INSTALL & MAINTAIN INLET PROTECTION PER SWPPP
RIM ELEVATION: 4867.87'

CONTRACTOR TO GRADE DRAINAGE SWALE PER CONTOURS. CONTRACTOR TO ENSURE MIN. BURY DEPTH OF UGP (MIN. 18") AND LOWER OR RELOCATE, IF REQUIRED.



MSU-CPDC

MONTANA STATE UNIVERSITY
BOZEMAN, MONTANA
PHONE: 406.994.5413
FAX: 406.994.5665

PARKING IMPROVEMENTS
2025



DRAWN BY: L. OTTEY
REVIEWED BY: K. GAUTHIER

REV.	DESCRIPTION	DATE

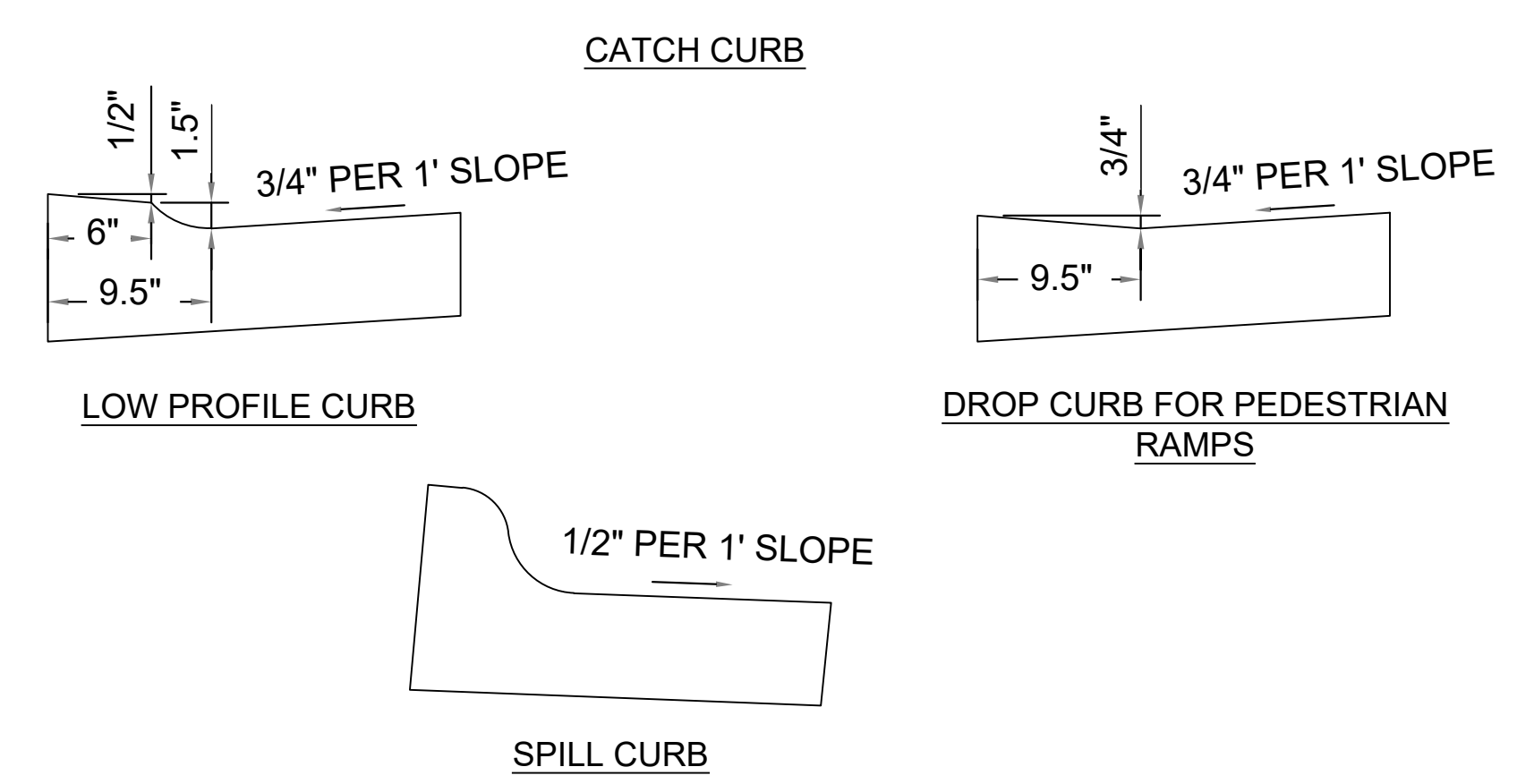
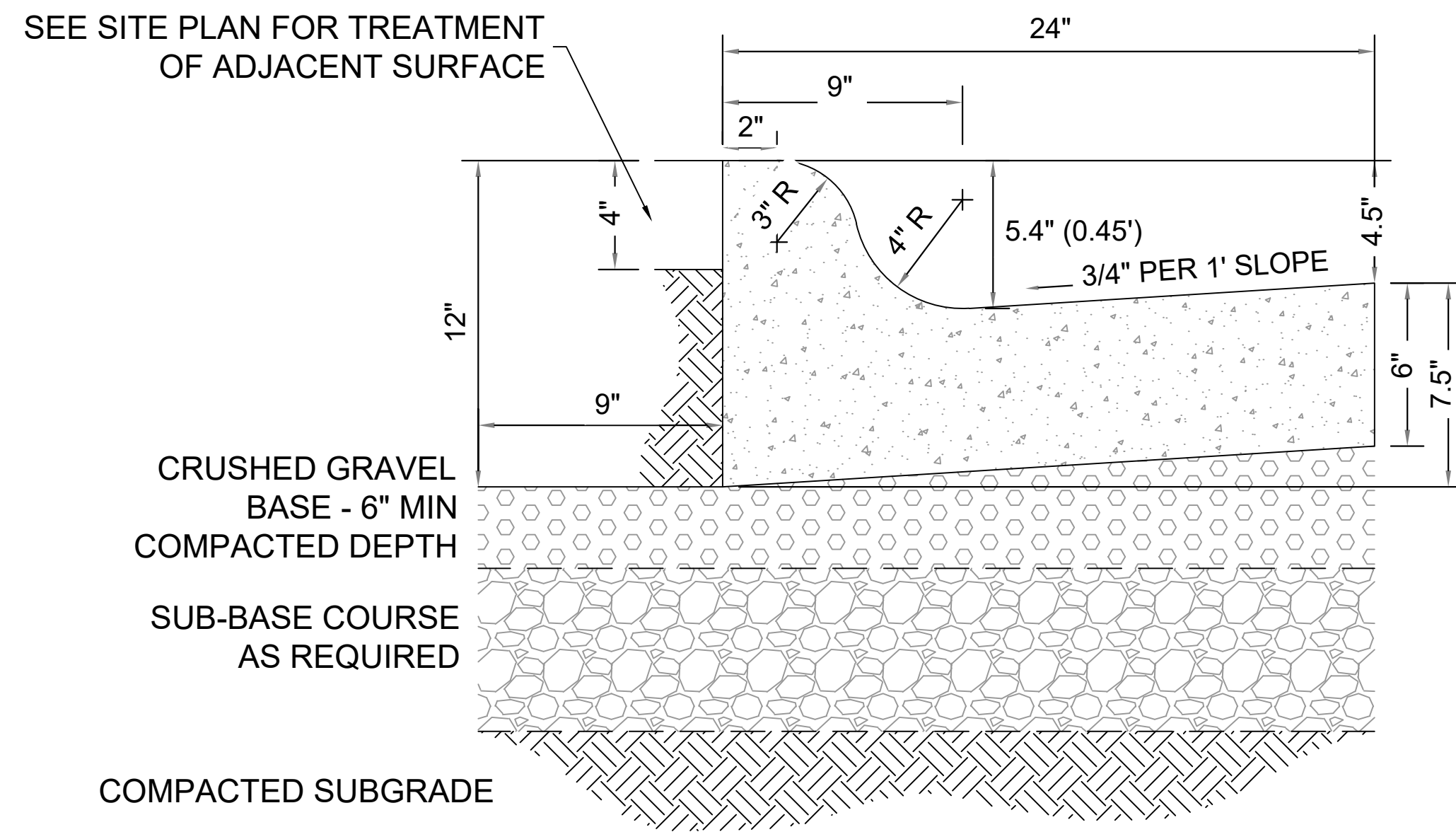
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GRANT CHAMBERLAIN - GRADING PLAN

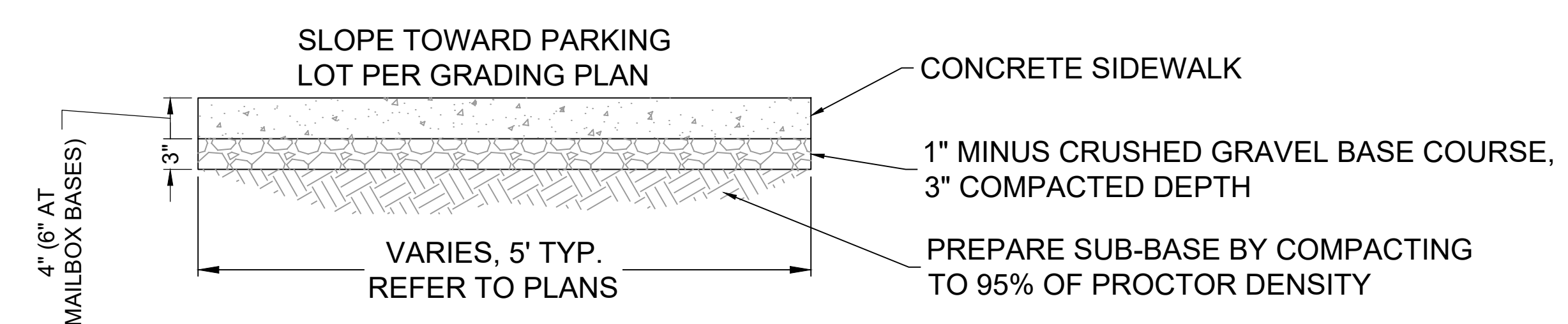
SHEET CG1-1

DATE 05-09-23

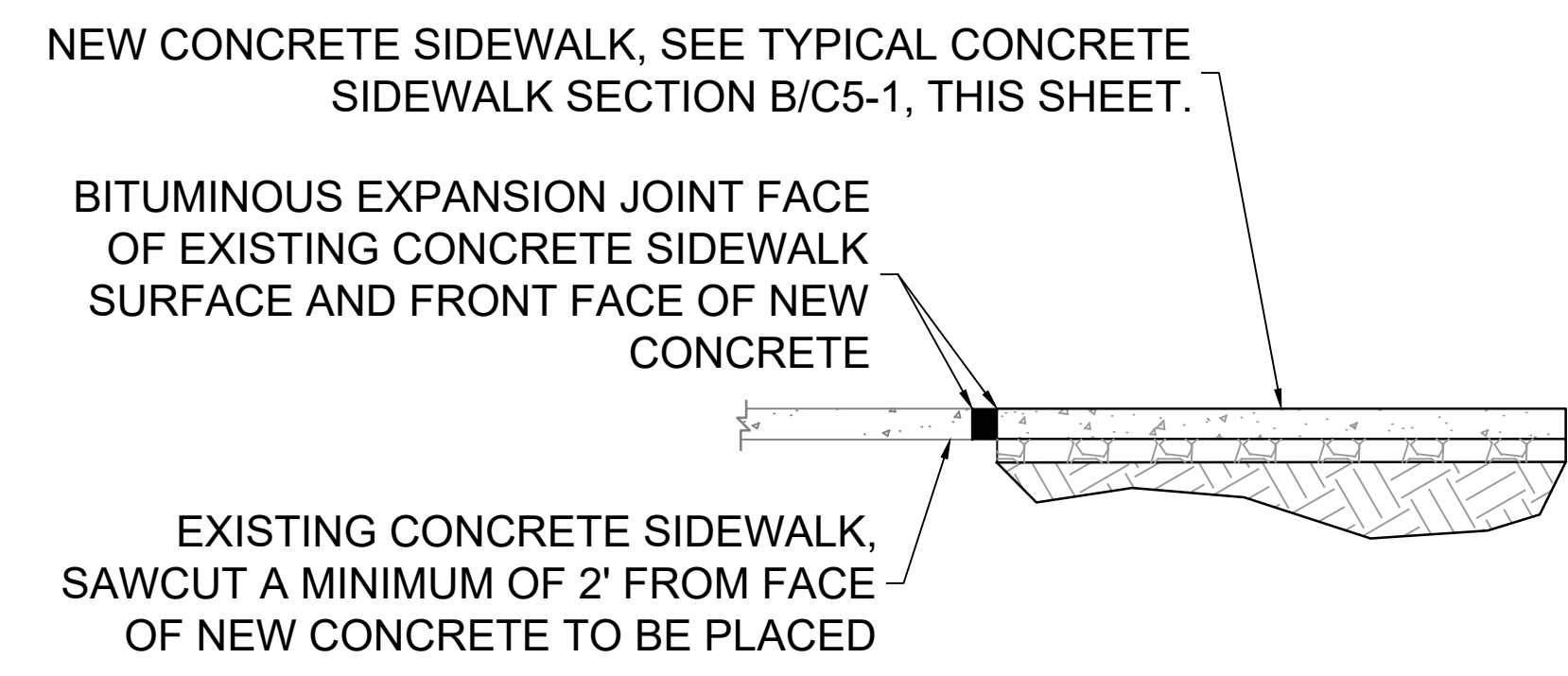
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 10/14/23 10:00 AM - 10/14/23 10:00 AM
 10/14/23 10:00 AM - 10/14/23 10:00 AM



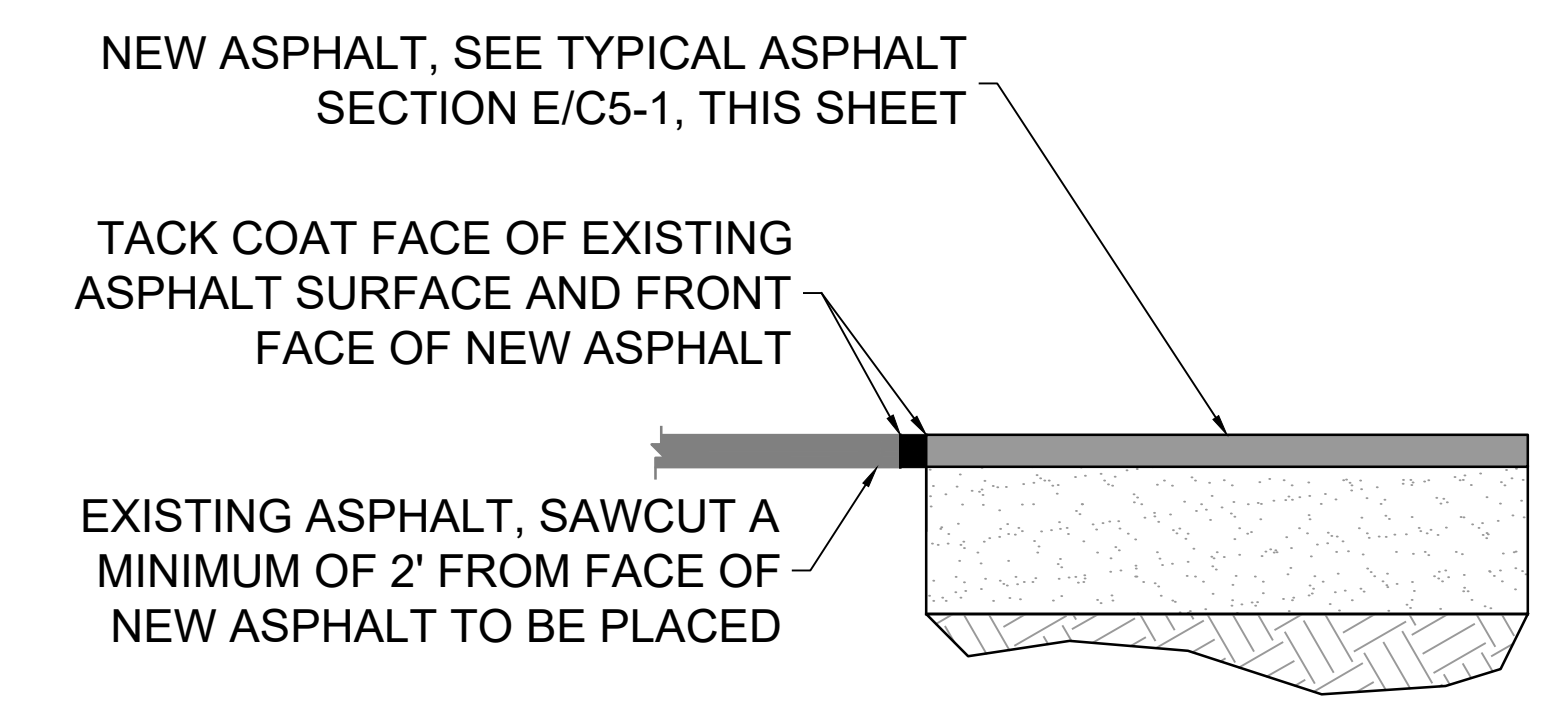
A INTEGRAL CURB & GUTTER
C5-1 NTS



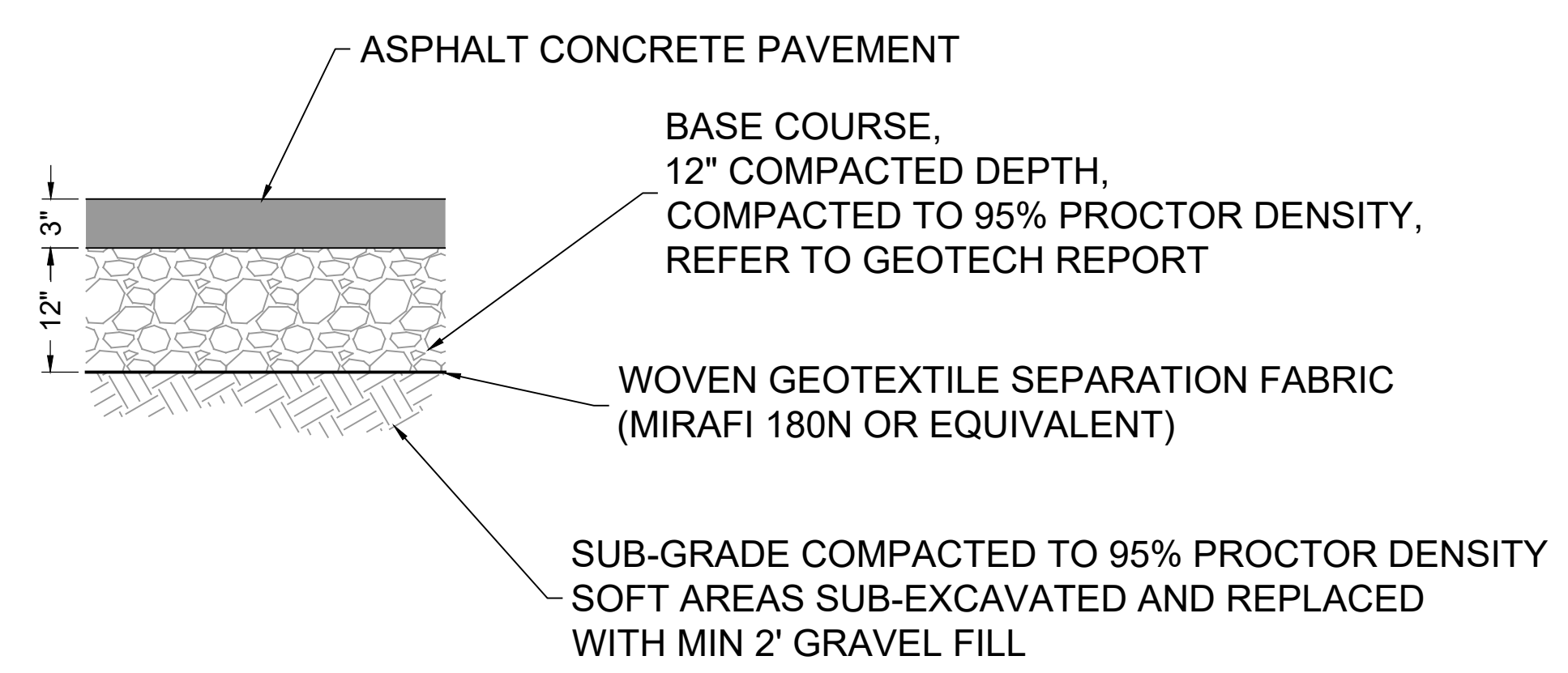
B TYPICAL CONCRETE SIDEWALK SECTION
C5-1 NTS



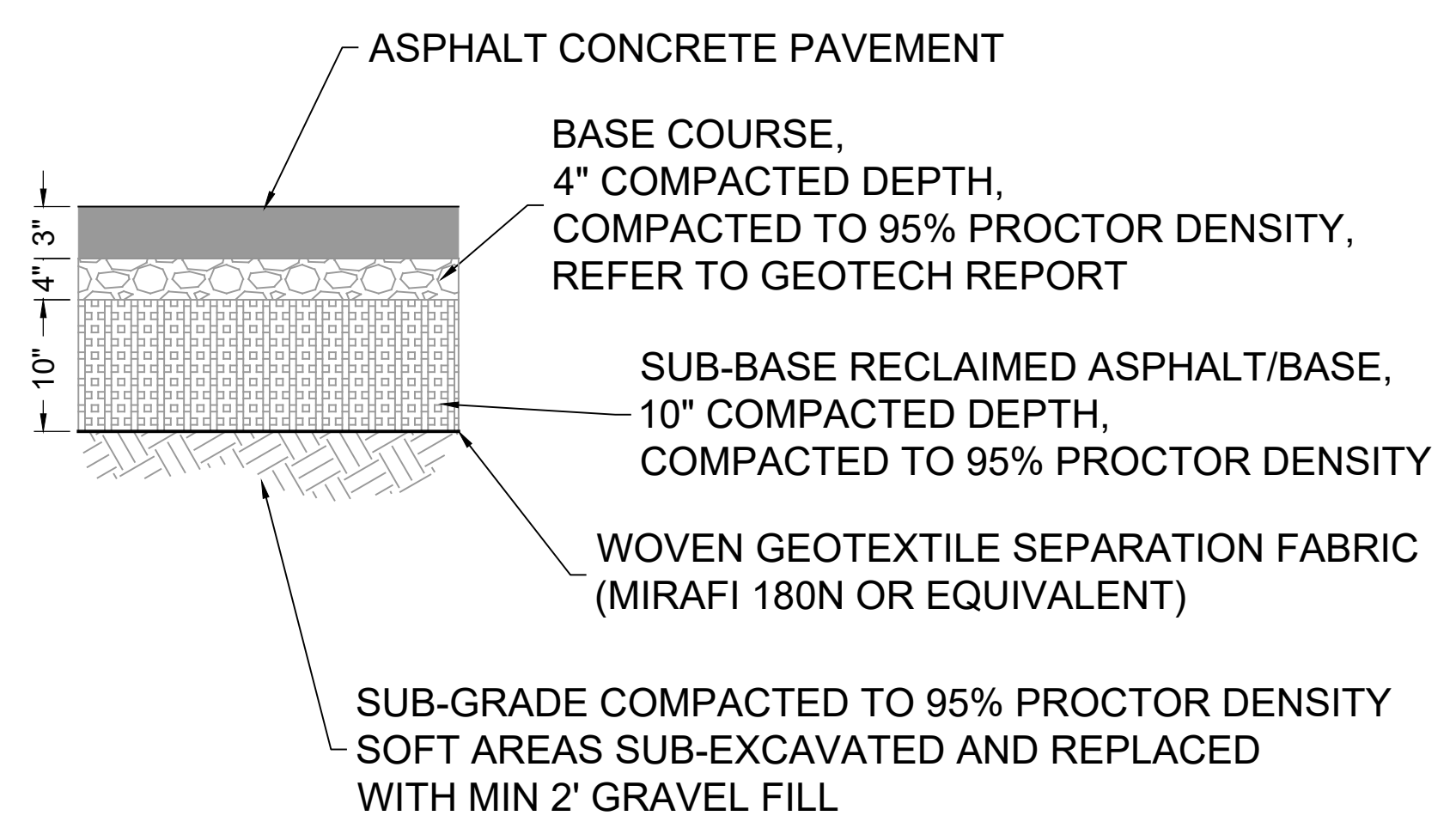
C TYPICAL CONCRETE CUT
C5-1 NTS



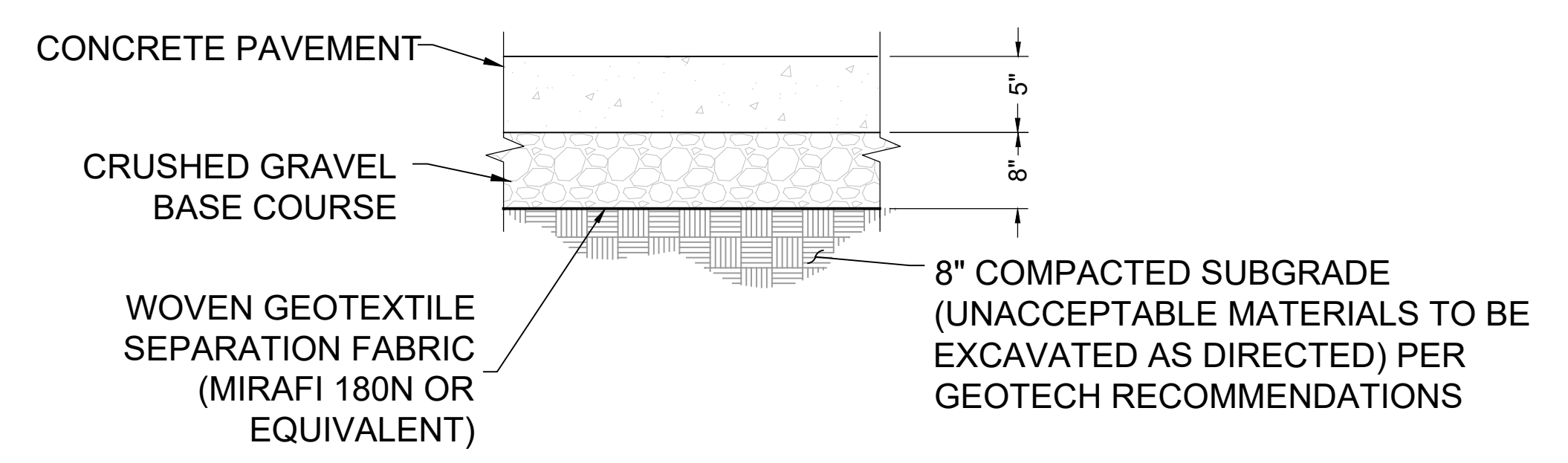
D TYPICAL ASPHALT CUT
C5-1 NTS



E BID ALTERNATIVE 1 ASPHALT SECTION
C5-1 NTS



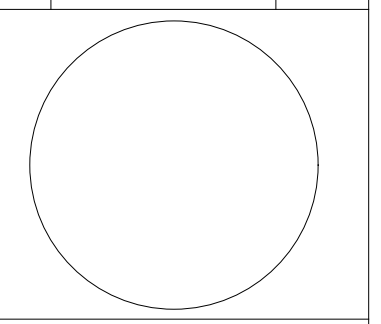
F BID ALTERNATIVE 2 ASPHALT SECTION
C5-1 NTS



NOTE: REINFORCE AND PLACE JOINTS PER SPECIFICATION & JOINT DETAIL. PLACE CROSS JOINTS ON DRIVE-THRU CONCRETE APPROX. EVERY 10' AS TO MAKE THE CONCRETE PANELS AS SQUARE AS POSSIBLE. SEE GEOTECH REPORT FOR SECTION DETAILS.

G REINFORCED CONCRETE SECTION
C5-1 NTS

REV.	DESCRIPTION	DATE



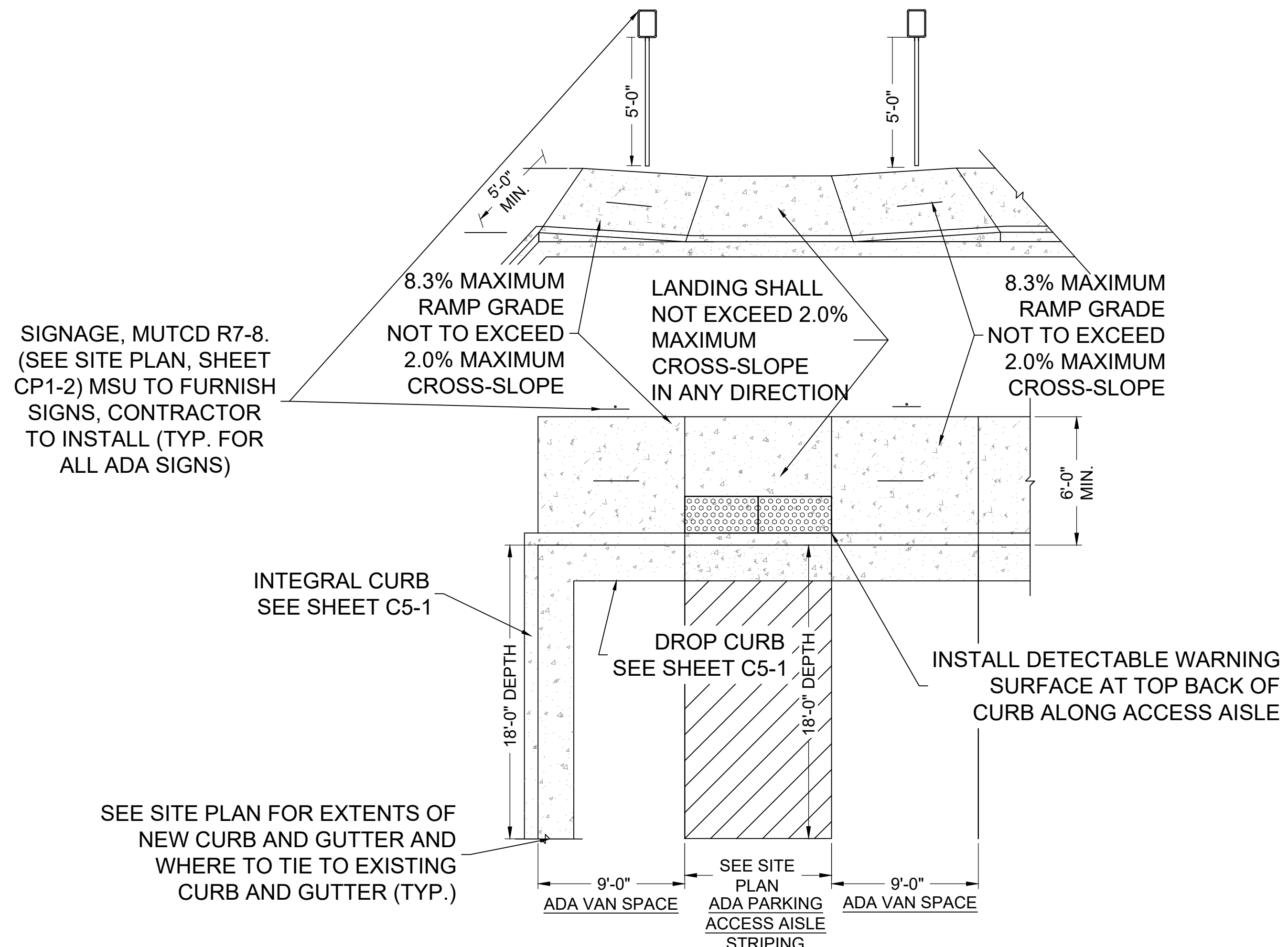
PPA#22-0012

DETAILS 1

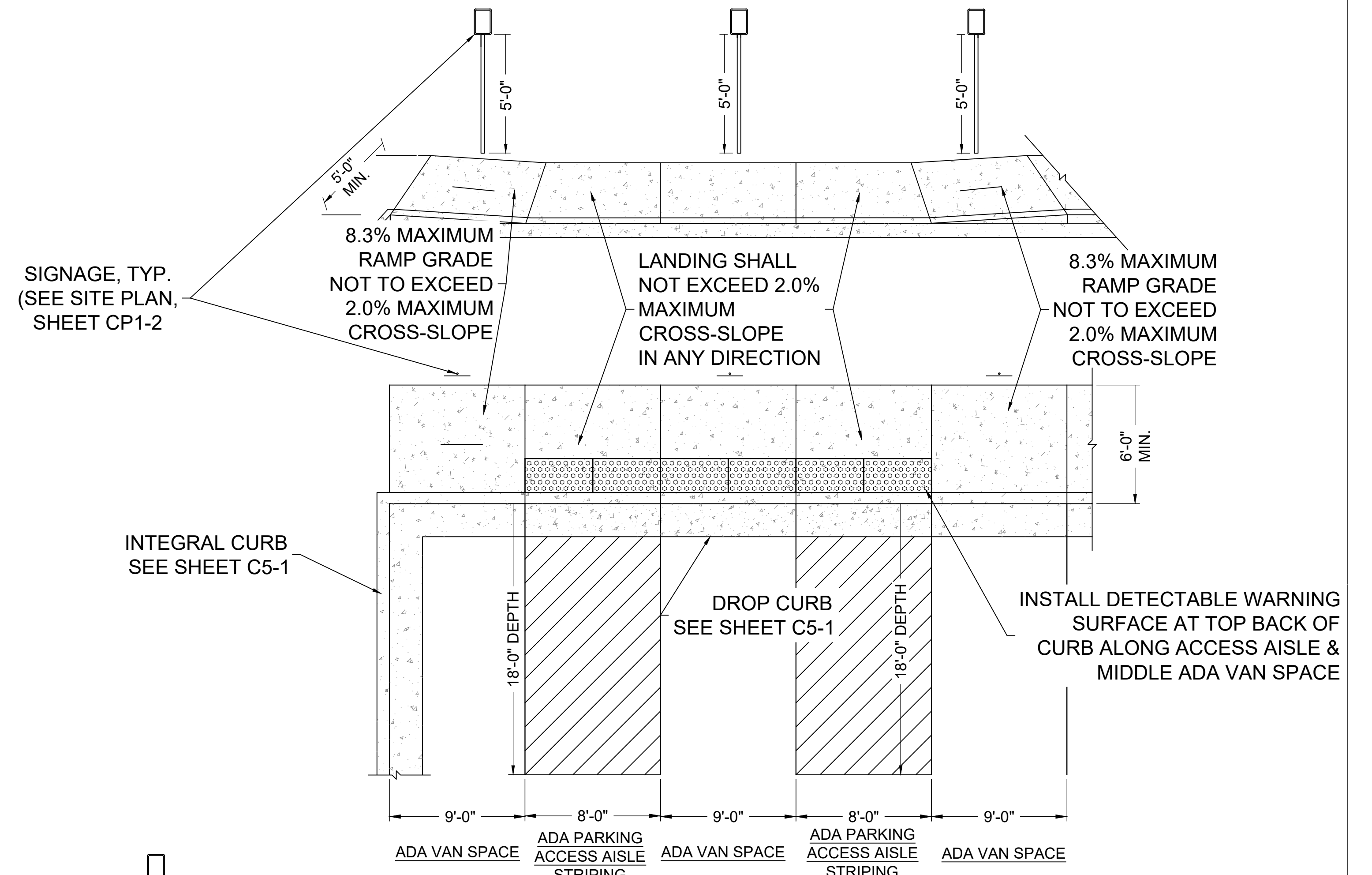
SHEET
C5-1

DATE
05-09-23

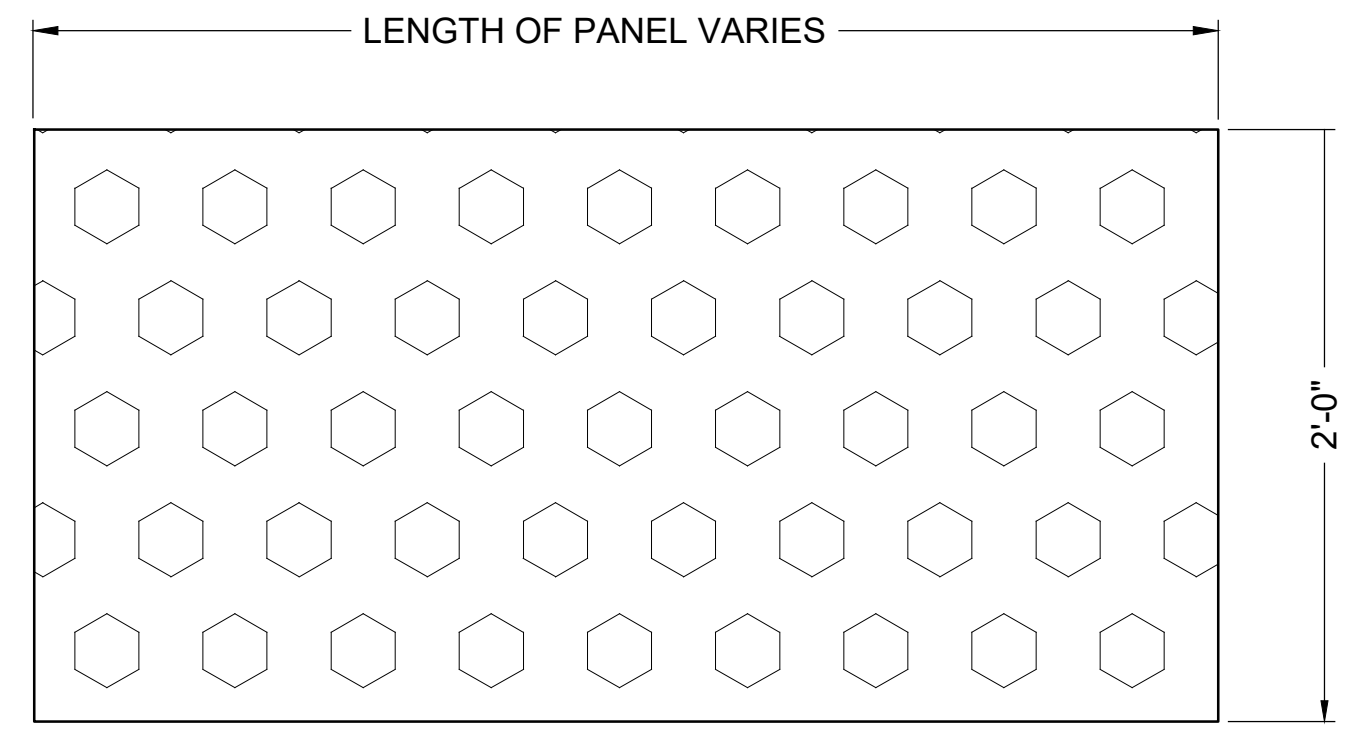
NOT TO SCALE - SEE NOTES FOR DIMENSIONS AND MATERIALS. SEE GEOTECH REPORT FOR SOFT AREAS AND PAVING LAYER THICKNESS.



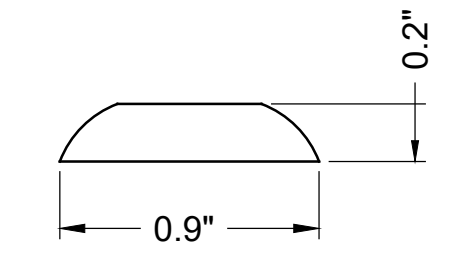
A ADA STALL DETAIL - PAISLEY WEST
C5-2 NTS



B ADA STALL DETAIL - PAISLEY EAST
C5-2 NTS



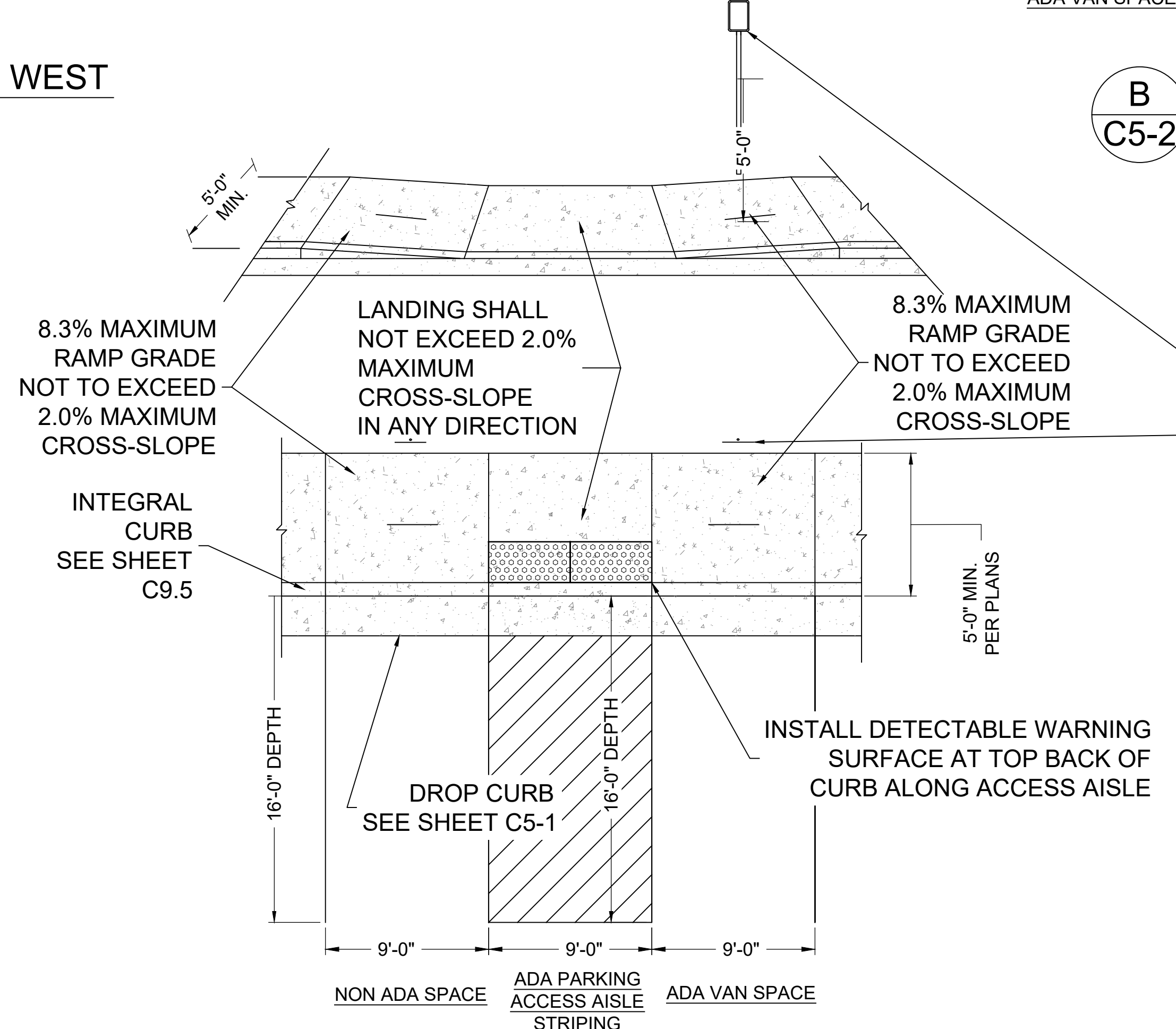
THE DETECTABLE WARNING SURFACE SHALL EXTEND THE FULL LENGTH OF THE CURB PER PLANS. IT SHALL BE A CONTRASTING COLOR AND MEET THE DIMENSIONS SHOWN OF THE TRUNCATED DOME



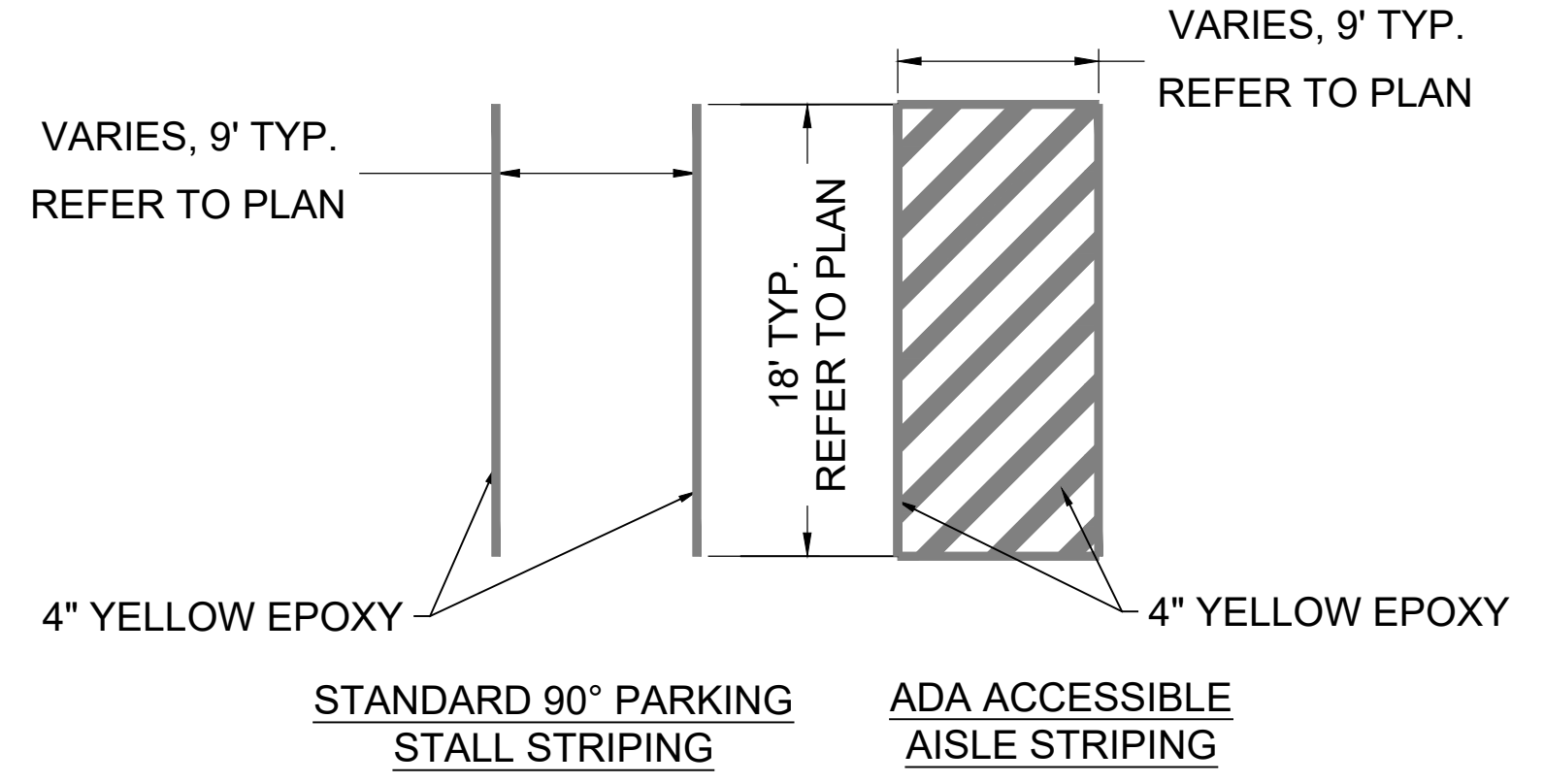
DETECTABLE WARNING SURFACE

TRUNCATED DOME

C DETECTABLE WARNING DETAIL
C5-2 NTS

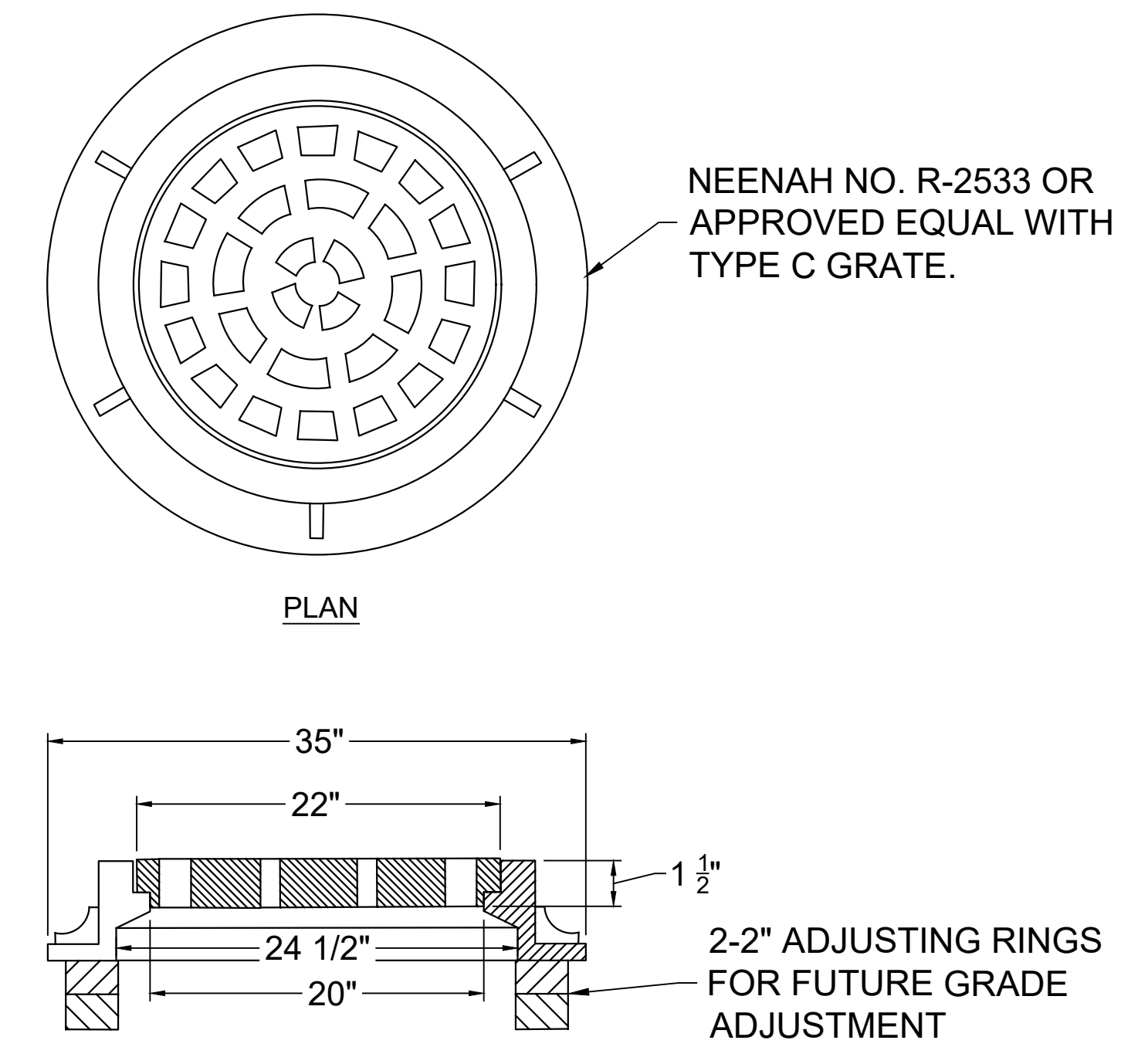
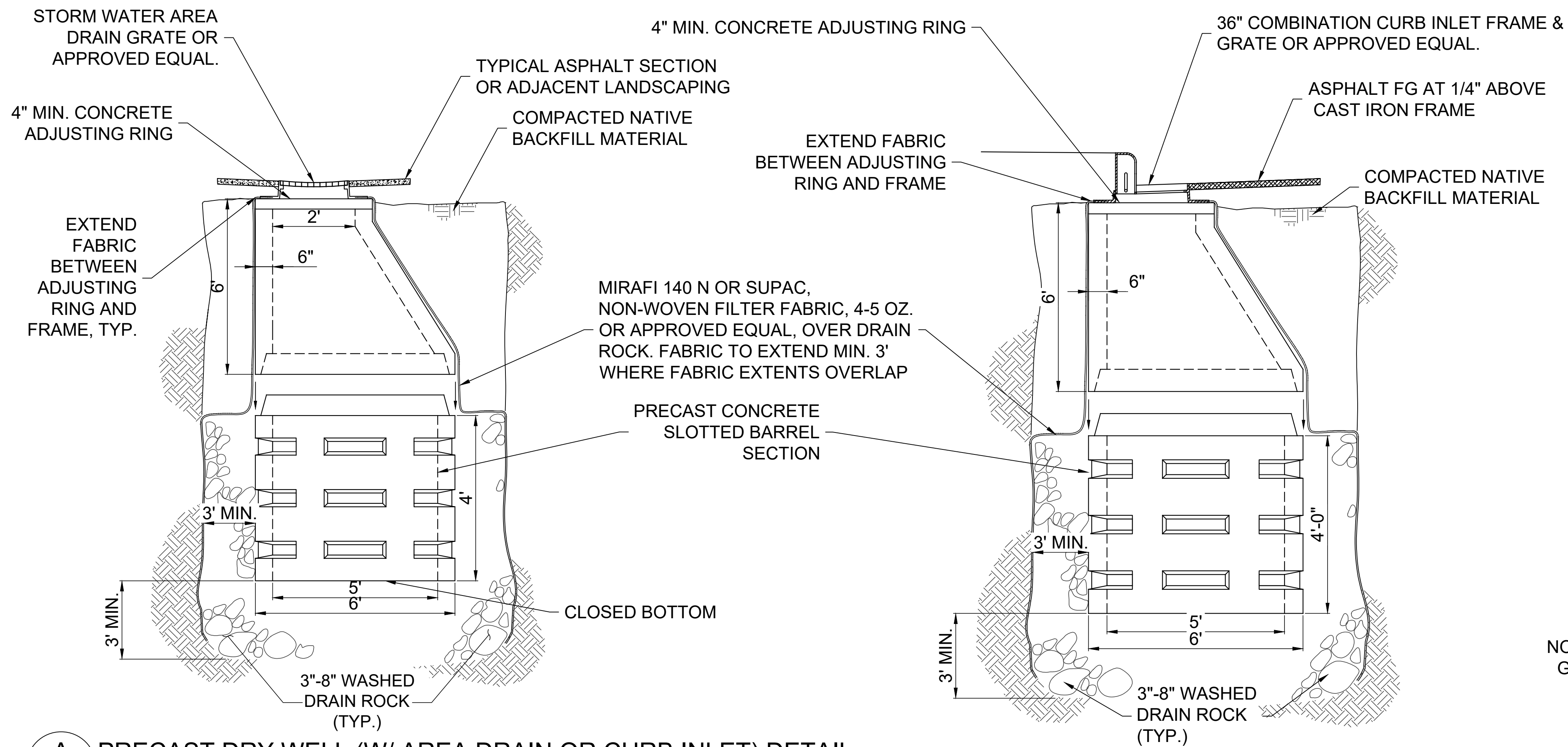


D ADA STALL DETAIL - GRANT CHAMBERLAIN
C5-2 NTS



E TYPICAL PAVEMENT MARKINGS
C5-2 NTS

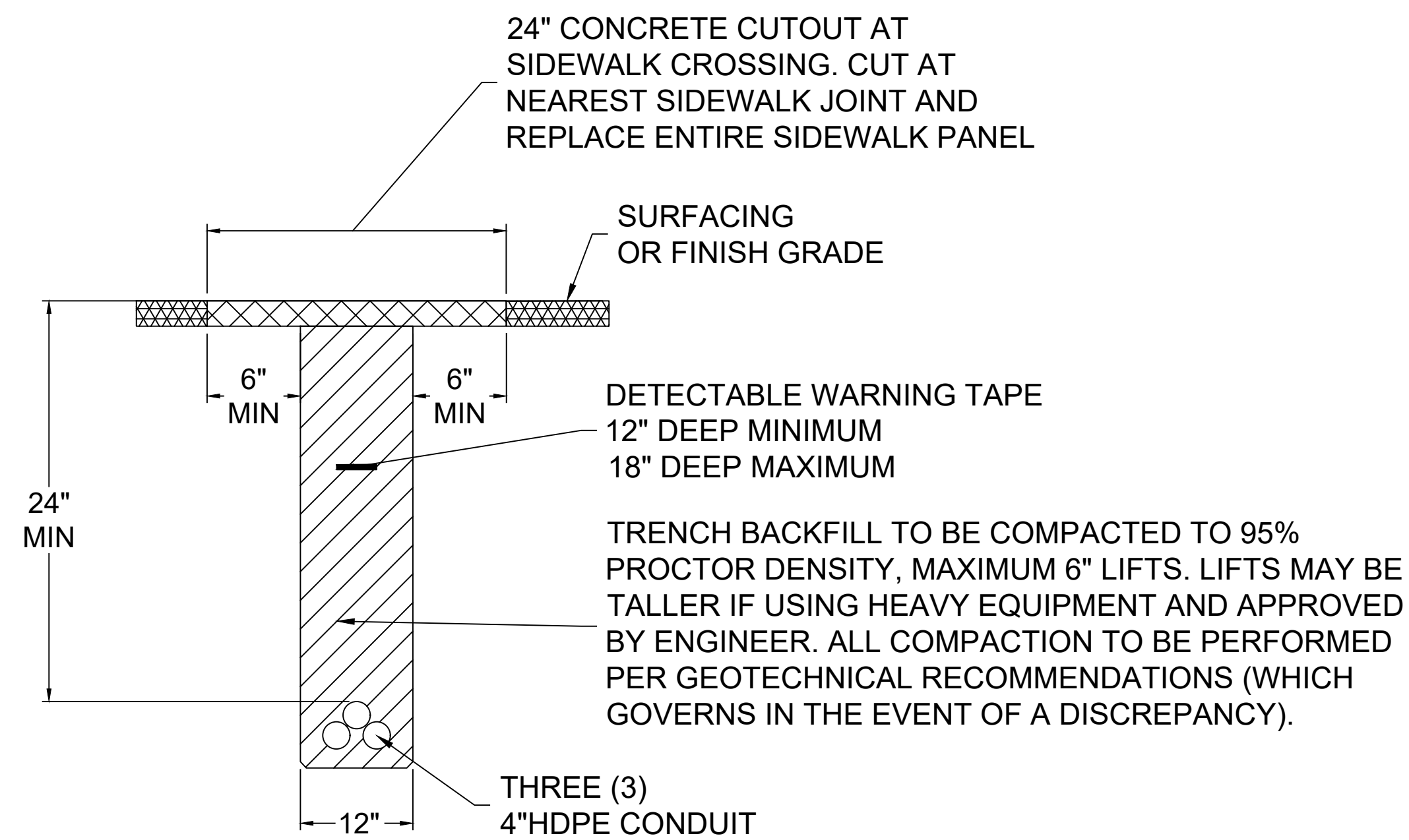
MSU, 2023. ALL RIGHTS RESERVED. THIS IS AN UNCONTROLLED COPY. FOR THE LATEST VERSION, VISIT: www.msu.edu/CPDC



NOTE: CONTRACTOR MAY USE APPROVED EQUIVALENT, TRAFFIC-RATED GRATED MANHOLE THROUGH SUBMITTAL PROCESS.

A PRECAST DRY WELL (W/ AREA DRAIN OR CURB INLET) DETAIL
C5-3 NTS

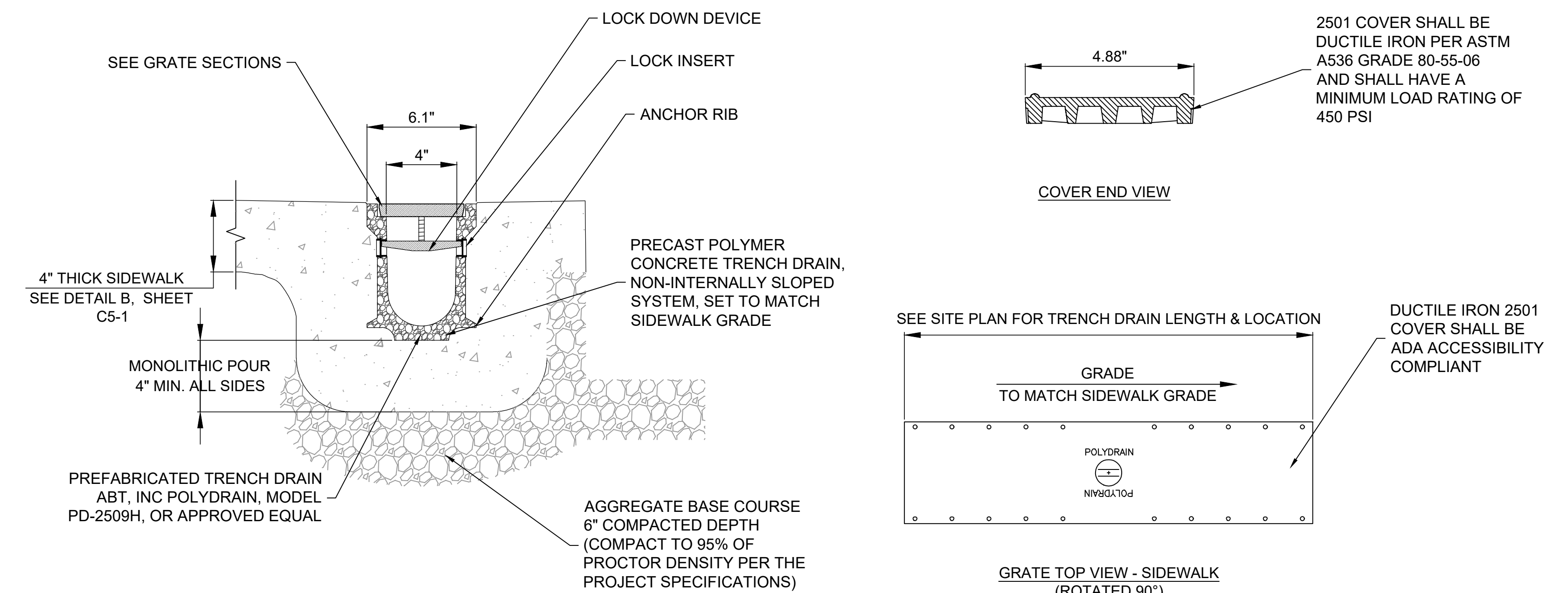
B STORM DRAIN GRATE
C5-3 NTS



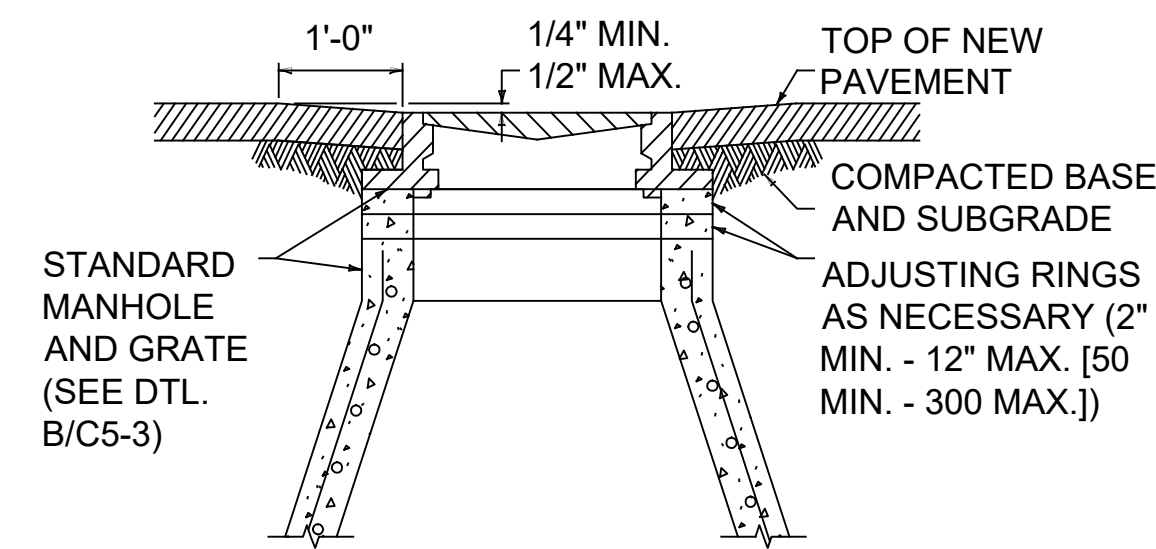
DETAIL NOTES:

1. CONTRACTOR SHALL COORDINATE TRENCHING WITH OTHER UNDERGROUND UTILITIES. CONTRACTOR SHALL USE COMMON TRENCHES AT ALL CROSSING WHENEVER POSSIBLE.
2. 1-#12 AWG LOCATE WIRE AND A NYLON OR POLYESTER PULL TAPE WITH 1,250 LBS TEST STRENGTH AND FOOTAGE MARKINGS IN ALL EMPTY CONDUITS.
3. CUT WIDTH VARIES OUTSIDE OF SIDEWALK. REFER TO SITE PLAN AND GRADING PLAN FOR CUT WIDTH AND PROPOSED FINISH SURFACE GRADE

C CONDUIT TRENCH DETAIL
C5-3 NTS

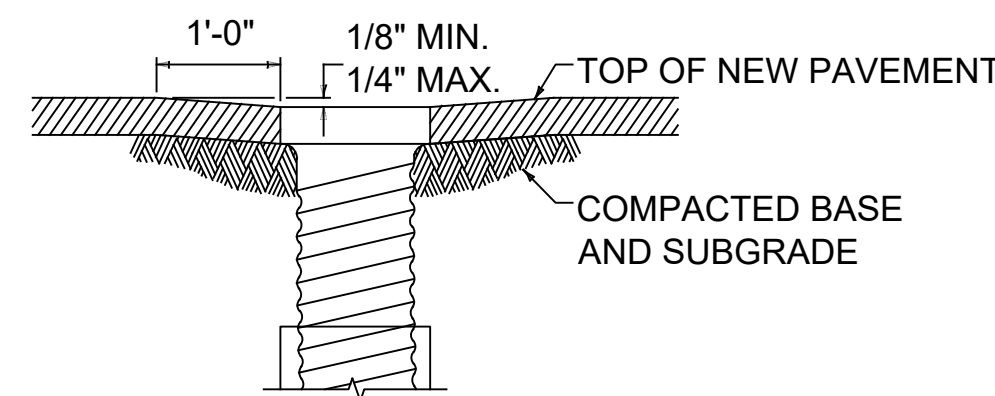


D TRENCH DRAIN DETAIL
C5-3 NTS



- NOTES:
1. ADJUST MANHOLES UPWARD WITH ADJUSTING RINGS UNDER FRAME.
 2. ADJUST MANHOLES DOWNWARD BY REMOVING CONE AND BARREL SECTIONS AS NECESSARY AND REPLACING WITH SECTIONS OF LENGTH REQUIRED TO MATCH GRADE.
 3. SLOPE MANHOLE FRAME AS REQUIRED TO MATCH SLOPE OF STREET.
 4. MAKE FINAL MANHOLE ADJUSTMENTS BEFORE PAVING.

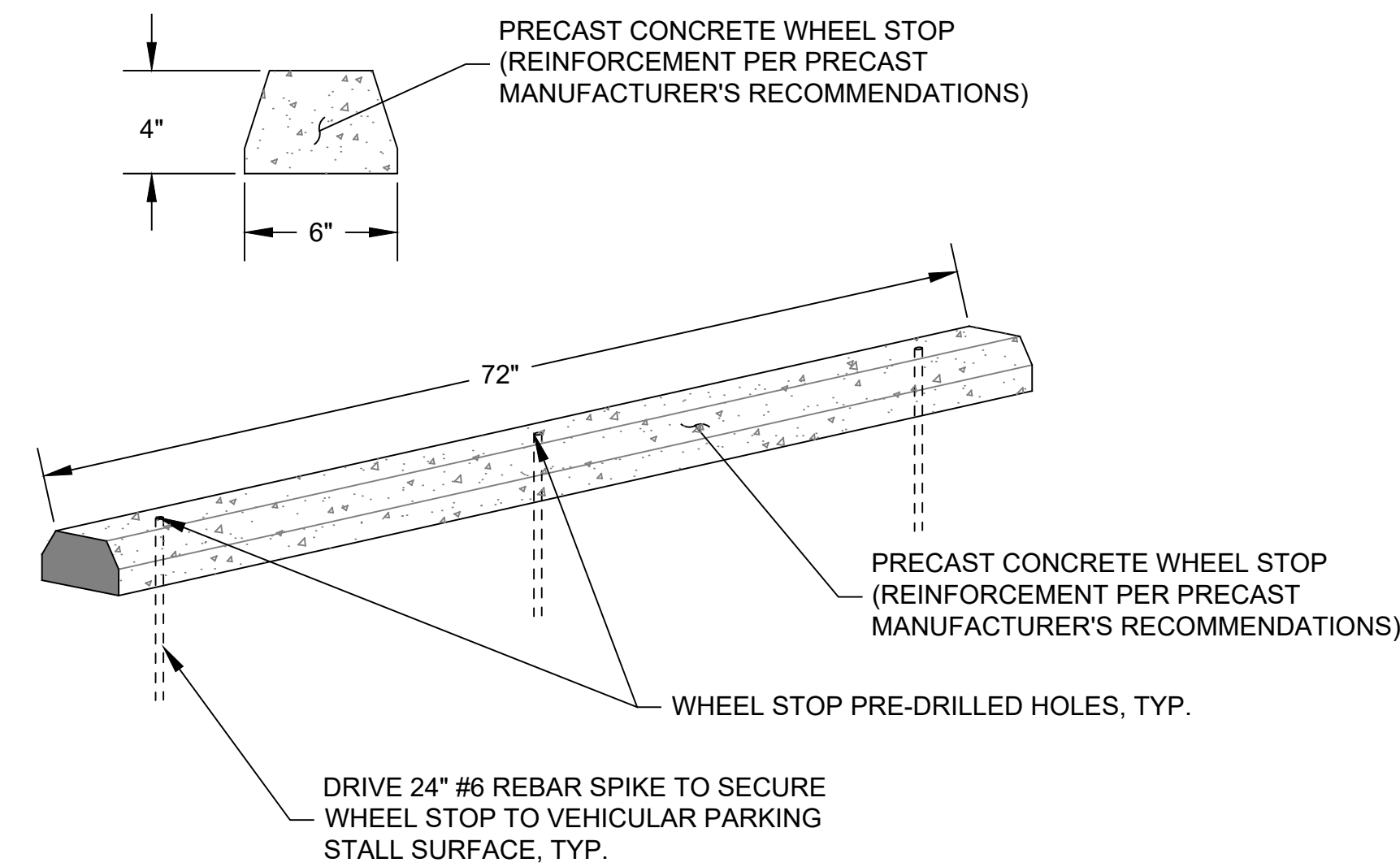
MANHOLE ADJUSTMENT DETAIL



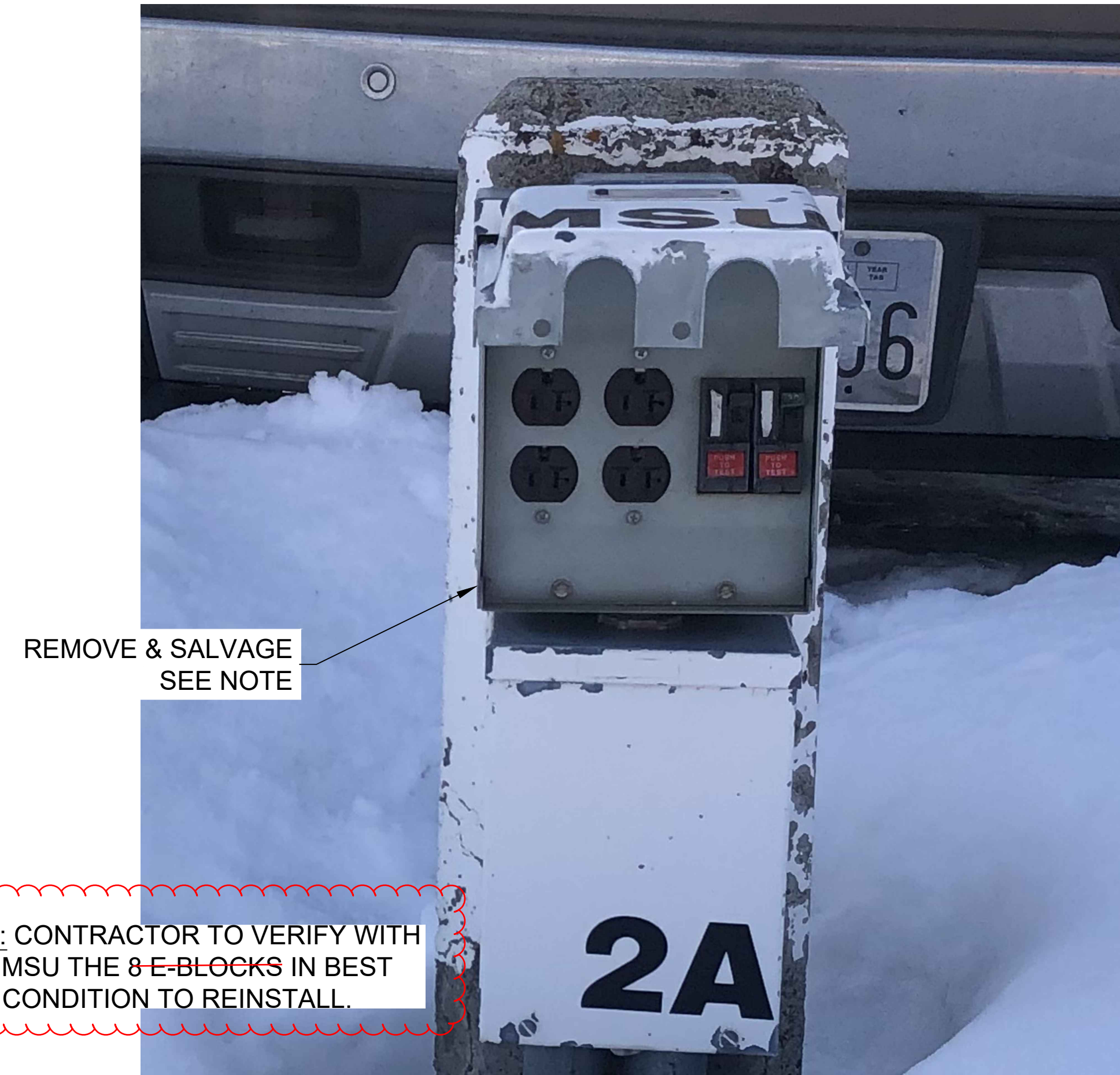
- NOTES:
1. ADJUST WATER VALVES UPWARD OR DOWNWARD AS REQUIRED.
 2. MAKE FINAL ADJUSTMENTS BEFORE PAVING.

VALVE BOX ADJUSTMENT DETAIL

A MANHOLE AND VALVE BOX ADJUSTMENT DETAILS
C5-4 NTS



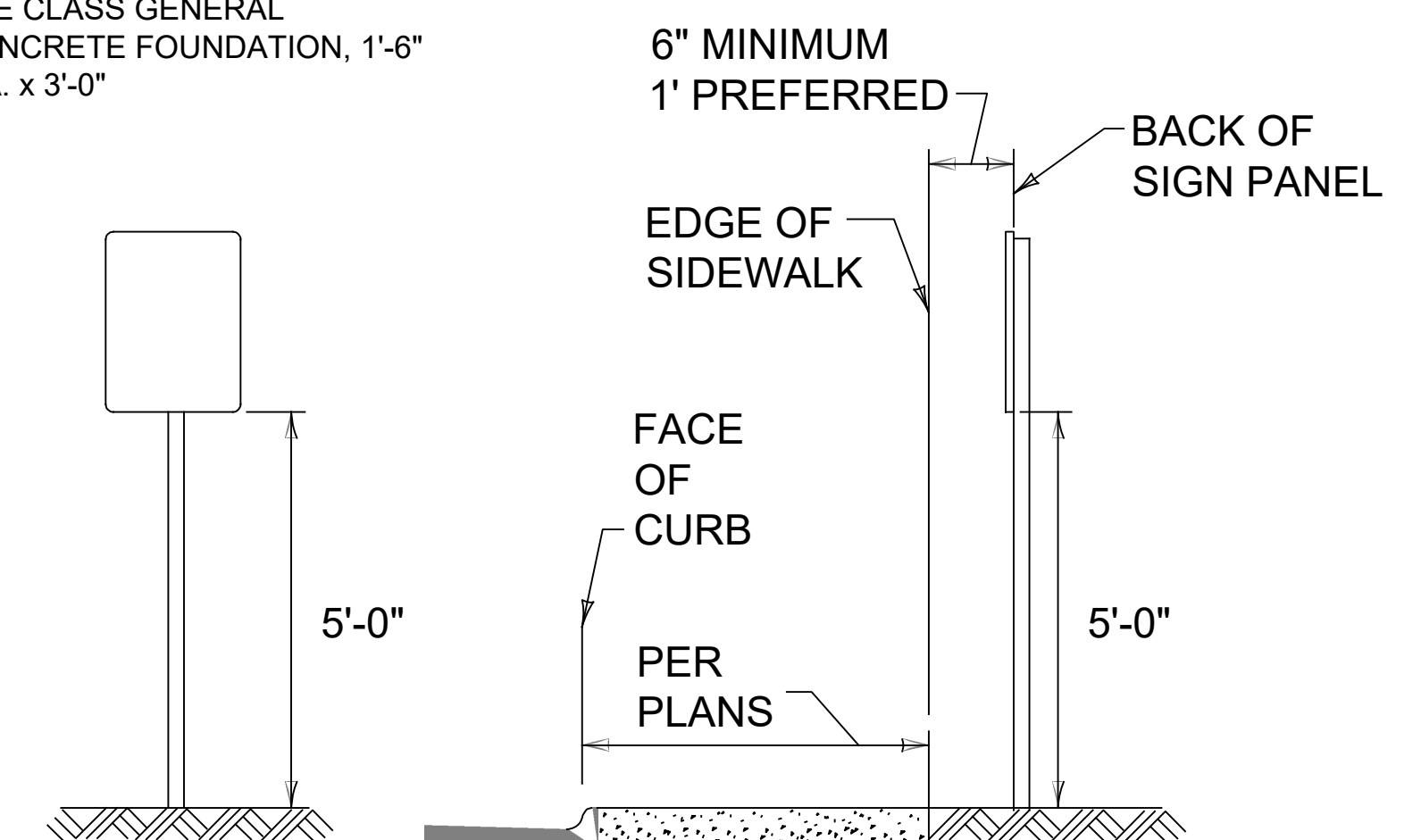
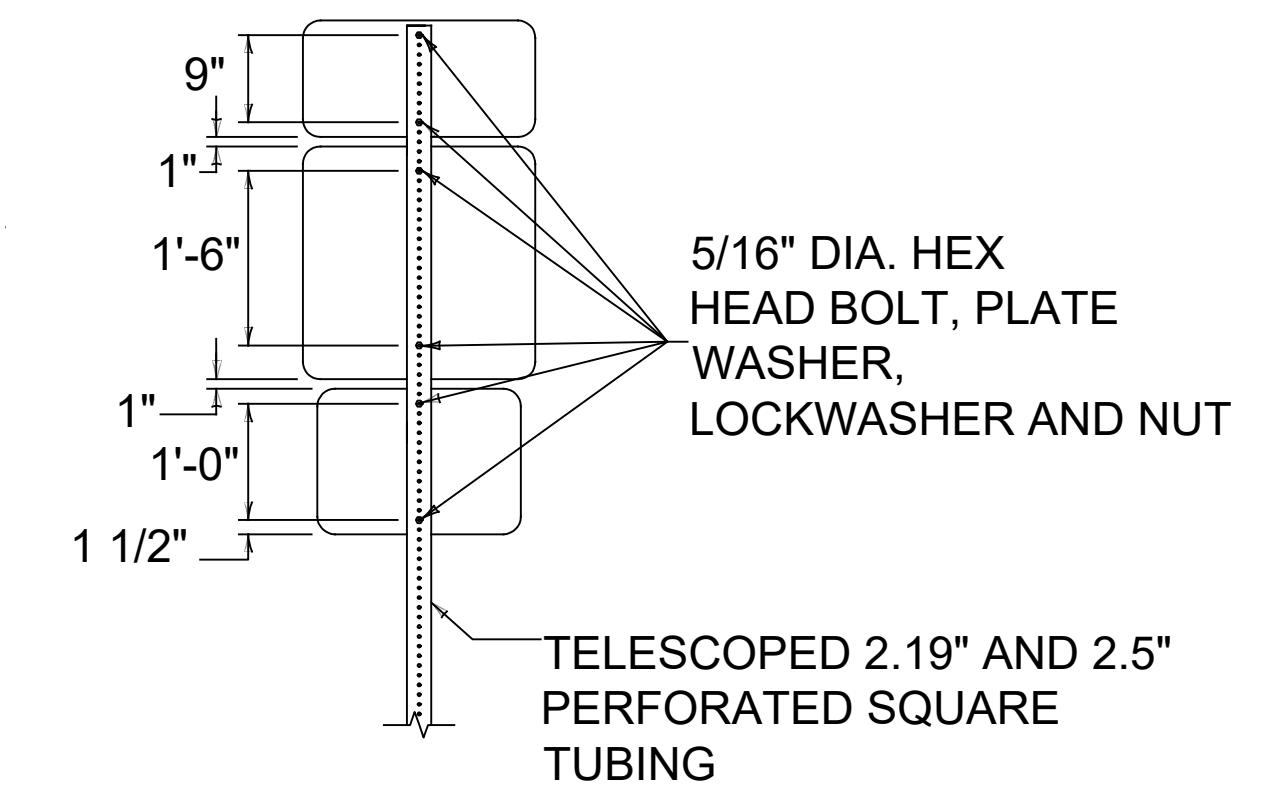
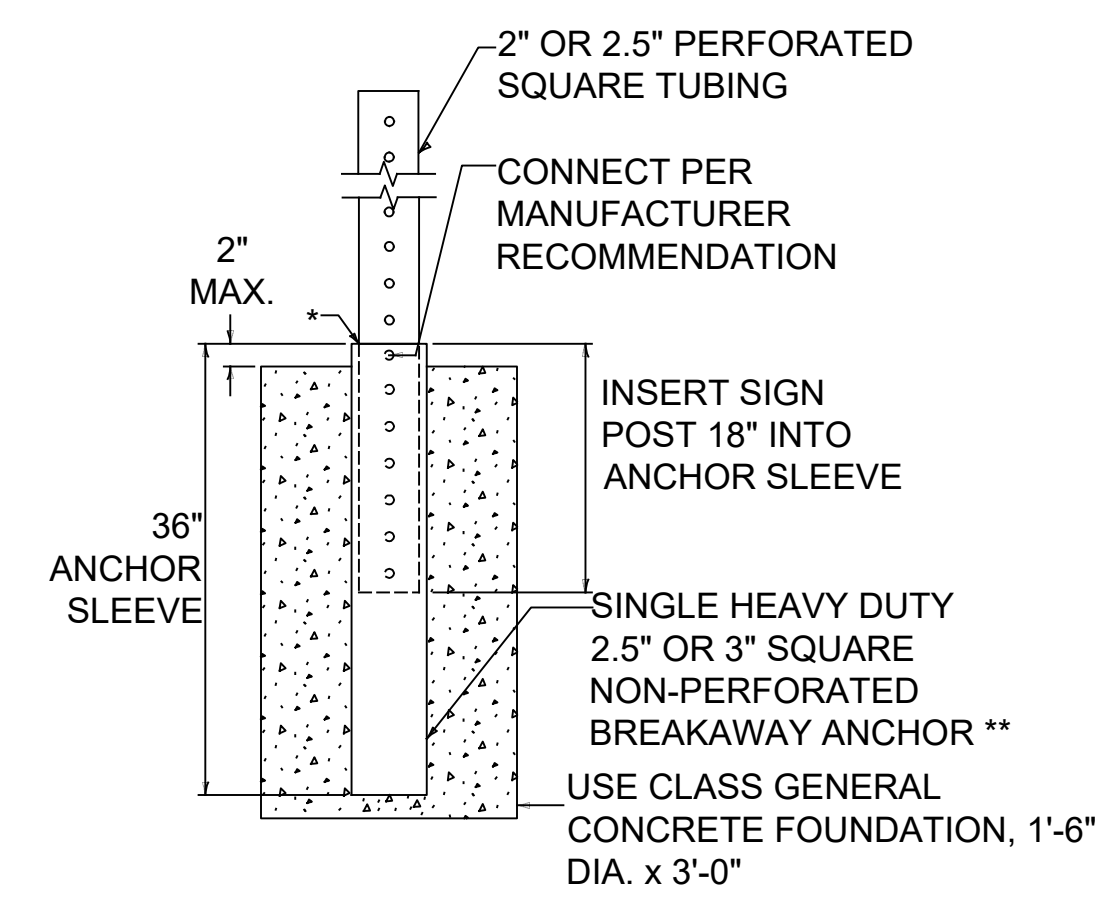
C CONCRETE WHEEL STOP DETAIL
C5-4 NTS



4 E-BLOCKS FOR REINSTALL

NOTE: CONTRACTOR TO VERIFY WITH MSU THE 8 E-BLOCKS IN BEST CONDITION TO REINSTALL.

B E-BLOCK
C5-4 NTS



D SIGN INSTALLATION DETAIL
C5-4 NTS

PROJECT INFORMATION

MSU - PAISLEY COURT || LIGHTING PLAN
BOZEMAN, MONTANA

CONSTRUCTION DOCUMENTS

DATE ISSUED | 03/01/2023
PROJECT ENGINEER | ANDY MOORE

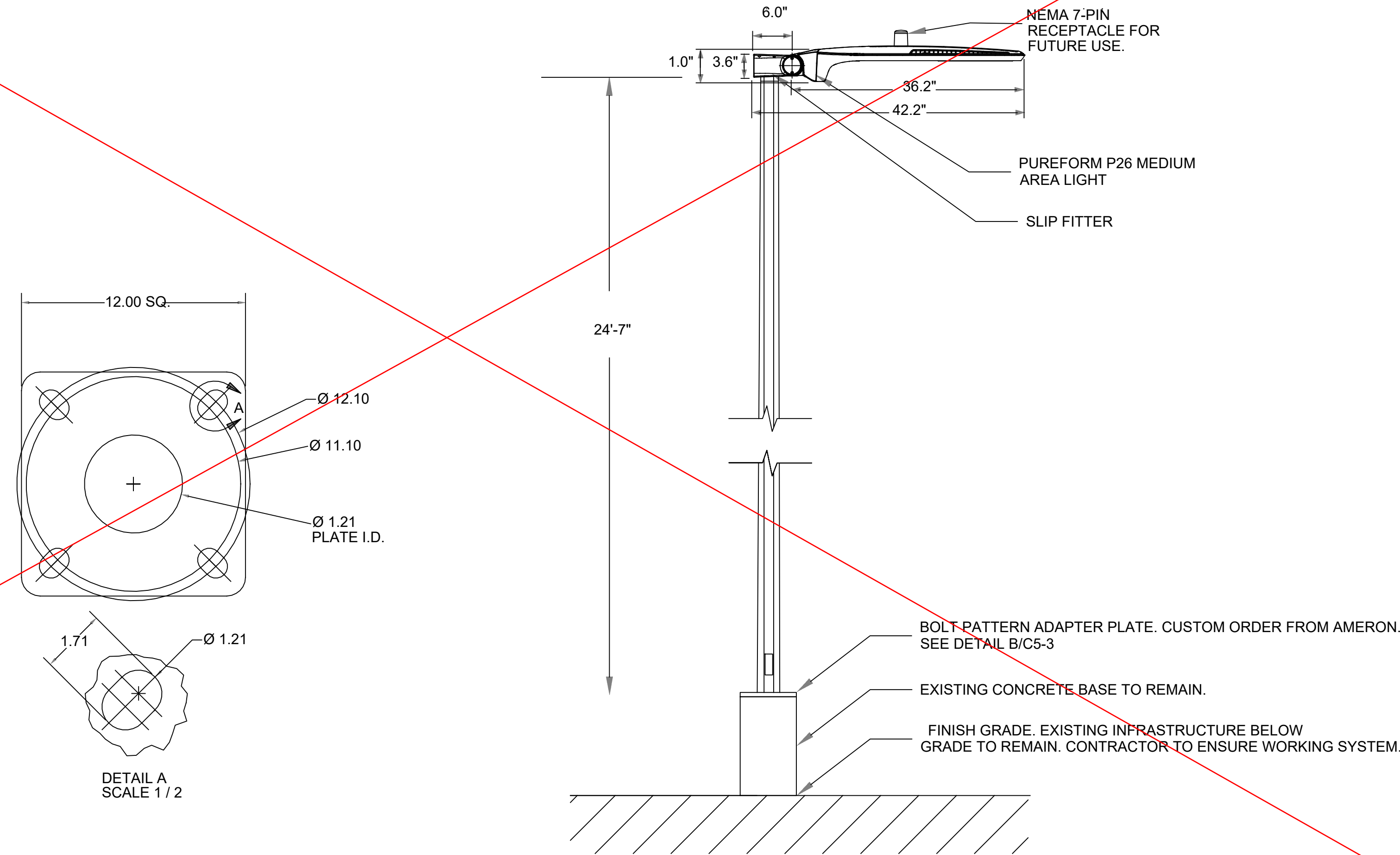
Issue
100%

NO LIGHT POLE REMOVAL OR REINSTALLATION NECESSARY FOR GRANT CHAMBERLAIN

- LIGHTING**
- 1 B01 IDENTIFICATION
 - a B01: LUMINAIRE TYPE
 - 1: SWITCH/ZONE
 - 1: CIRCUIT NUMBER
 - FILLED LUMINAIRE INDICATED EMERGENCY OPERATION
 - SURFACE MOUNTED LUMINAIRE
 - RECESSED LUMINAIRE
 - WALL WASH LUMINAIRE
 - ARROW INDICATED ORIENTATION
 - WALL MOUNTED LUMINAIRE
 - *XX* INDICATES MOUNTING HEIGHT TO CENTER
 - SUSPENDED LUMINAIRE
 - POLE MOUNTED LUMINAIRE WITH ARM
 - POST MOUNTED LUMINAIRE
 - GROUND/FLOOR MOUNTED LUMINAIRE
 - TRACK LUMINAIRE SYSTEM (LENGTH, HEAD TYPES, & QUANTITIES AS INDICATED ON PLANS & SCHEDULES)
 - EXIT SIGN - ARROWS & FACES AS INDICATED ON PLANS
- ORIENTATION**
- HORIZONTAL ZERO LINE INDICATED HOTLINE ZERO DRAWN FROM CENTER
 - DIRECTIONAL ARROW INDICATED PRIMARY LUMEN ORIENTATION
 - DIRECTIONAL AIMING LINE

Type	Description	Manufacturer	Catalog Number	Source	CRI	CCT	Voltage	Load	Luminous Flux	Efficacy	Dim	Life Expectancy	Mounting	Finish	Notes
B01	STREET/PARKING ENTRY LUMINIARE	GARDCO	P26-64L-600-WW(80CRI)-G2-SF-2-277-FAWS-TLRD7-F1-BZ // PTF2-P26/34-1-90-(F)	LED	80	3000K	277 V	167 VA	14493 lm	127 lm/W	FAWS	100,000	EXISTING POLE	BRONZE	2
B02	PARKING LOT LUMINIARE	GARDCO	P26-80L-700-WW(80CRI)-G2-SF-5W-277-FAWS-TLRD7-F1 // PTF2-P26/34-1-90-(F)	LED	80	3000K	277 V	169 VA	21363 lm	127 lm/W	FAWS	100,000	25' NEW POLE	BRONZE	1

NOTES:
1. PROVIDE & INSTALL NEW AMERON #MEO-7.5 POLE AND CUSTOM BOLT PATTERN ADAPTER PROVIDED BY AMERON. REFER TO DETAIL 1/EL0.01
2. EXISTING POLE TO REMAIN.



1 AMERON CUSTOM BOLT PATTERN ADAPTER
EL0.01 NTS

2 AMERON POLE MOUNTING DETAIL
EL0.01 NTS

A MODULUS LIGHT POLE DETAIL
C5-5 NTS



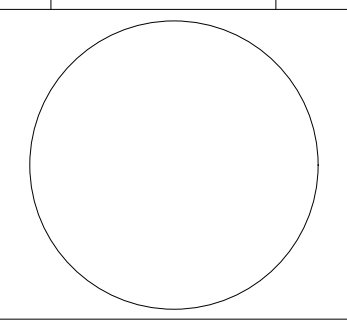
MSU-CPDC
MONTANA STATE UNIVERSITY
BOZEMAN, MONTANA
PHONE: 406.994.5413
FAX: 406.994.5665

PARKING IMPROVEMENTS
2025



DRAWN BY: L. OTTEY
REVIEWED BY: K. GAUTHIER

REV.	DESCRIPTION	DATE



PPA#22-0012

DETAILS 5

SHEET
C5-5

DATE
05-09-23

NOT TO SCALE - SEE PLAN FOR DIMENSIONS AND NOTES. SEE PLAN FOR DIMENSIONS AND NOTES. SEE PLAN FOR DIMENSIONS AND NOTES.