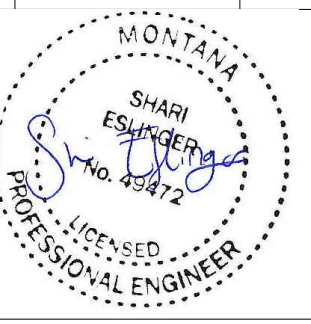


DRAWN BY: L. OTTEY		
REVIEWED BY: K. GAUTHIER		
REV.	DESCRIPTION	DATE
1	GC ADDENDUM ADDITION	05/09/23
2	RE-BID REV	05/26/23



PPA#22-0012

COVER

SHEET
G10-1

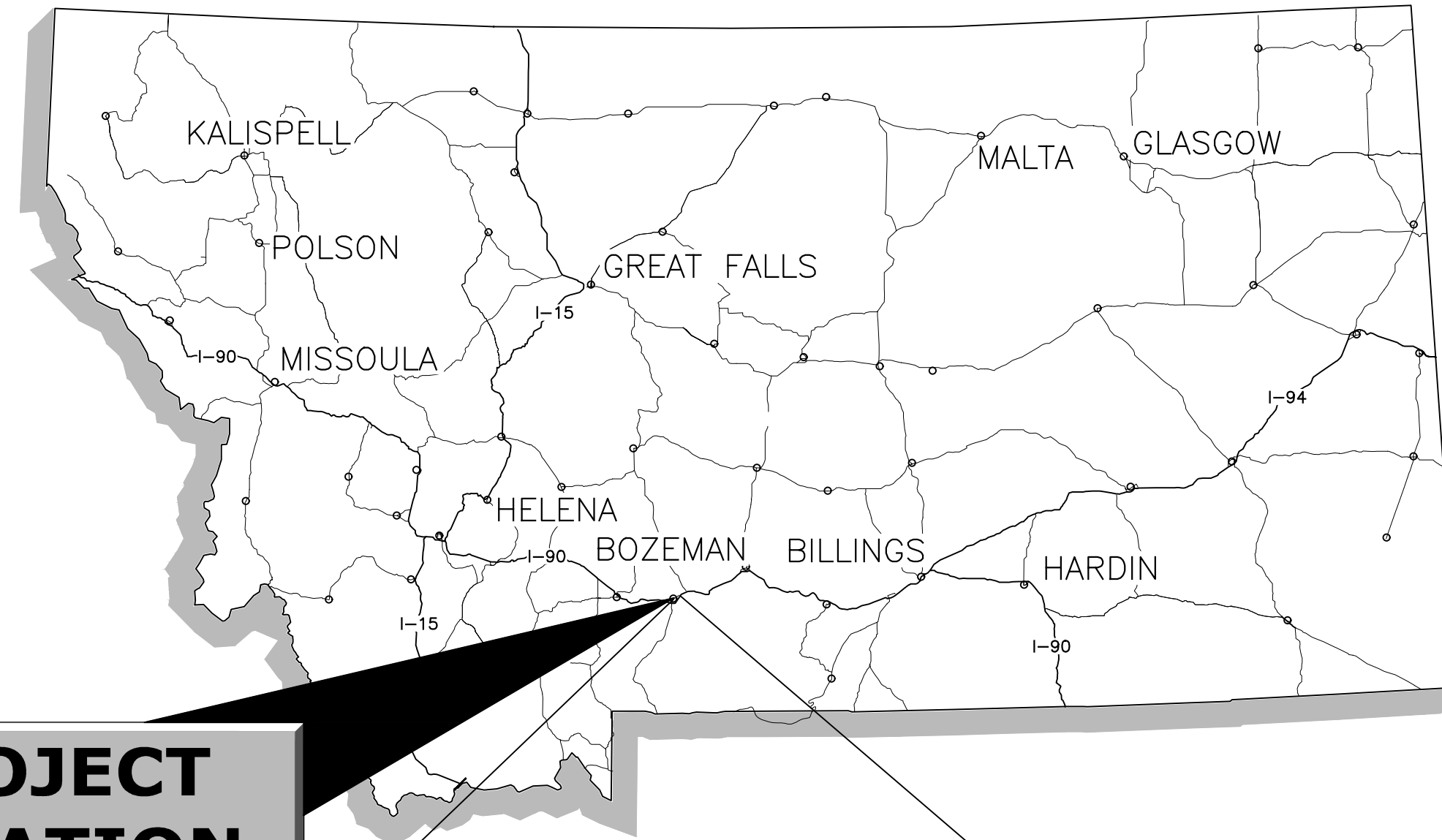
DATE
05-26-23

PPA# 22-0012

PARKING IMPROVEMENTS 2023

MONTANA STATE UNIVERSITY

BOZEMAN, MT



LOCATION MAP
NTS



VICINITY MAP
NTS

PREPARED FOR:

STATE OF MONTANA - MONTANA STATE UNIVERSITY
 UNIVERSITY FACILITIES MANAGEMENT, PLANNING,
 DESIGN & CONSTRUCTION
 PLEW BUILDING 6TH & GRANT
 PO BOX 172760
 BOZEMAN, MT 59717-2760
 PHONE: 406-994-5413
 FAX: 406-994-5665



PREPARED BY:

DJ&A
 220 WEST LAMME STREET, SUITE 1D
 BOZEMAN, MT 59715
 406-721-4320



SHEET INDEX:

Sheet Number	Sheet Title
GI0-1	COVER
GI0-2	NOTES, LEGEND, & ABBREVIATIONS
GI0-3	KEY MAP & SURVEY CONTROL
CD1-1	PAISLEY COURT WEST - DEMOLITION
CD1-2	PAISLEY COURT EAST - DEMOLITION
CP1-1	PAISLEY COURT WEST - SITE PLAN
CP1-2	PAISLEY COURT EAST - SITE PLAN
CG1-1	PAISLEY COURT WEST - GRADING
CG1-2	PAISLEY COURT EAST - GRADING
C5-1	DETAILS 1
C5-2	DETAILS 2
C5-3	DETAILS 3
C5-4	DETAILS 4
C5-5	DETAILS 5

May 26, 2023 - 10:00am - 2023 PARKING IMPROVEMENTS FOR MONTANA STATE UNIVERSITY
 10/10/2023 10:00am - 2023 Parking Court Parking Lot Improvements for MSU



S. 19TH AVE.

S. 15TH AVE.

W. GARFIELD ST.

CP-3

CP-2

CP-1

PAISLEY COURT WEST PARKING LOT
SEE SHEETS:
CD1-1
CP1-1
CG1-1

PAISLEY COURT EAST PARKING LOT
SEE SHEETS:
CD1-2
CP1-2
CG1-2

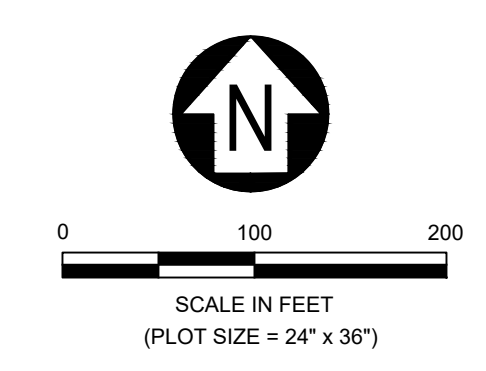
SURVEY NOTES
 COORDINATE SYSTEM: MT SPC 2500 @ GROUND

 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 1/2" REBAR
CP-2	520620.05	1569869.43	4883.51	SET RPC ON 1/2" REBAR
CP-3	520627.39	1569592.69	4883.52	SET RPC ON 1/2" REBAR

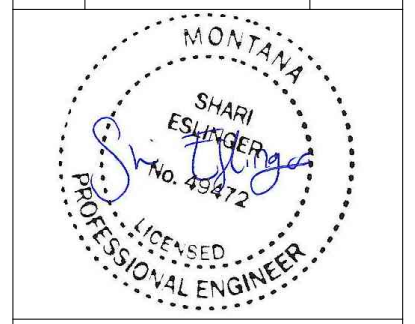


MSU-CPDC
 MONTANA STATE UNIVERSITY
 BOZEMAN, MONTANA
 PHONE: 406.994.5413
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PARKING IMPROVEMENTS
2023



DRAWN BY: L. OTTEY		
REVIEWED BY: K. GAUTHIER		
REV.	DESCRIPTION	DATE
1	GC ADDENDUM ADDITION	05/09/23
2	RE-BID REV	05/26/23



PPA#22-0012

KEY MAP & SURVEY CONTROL

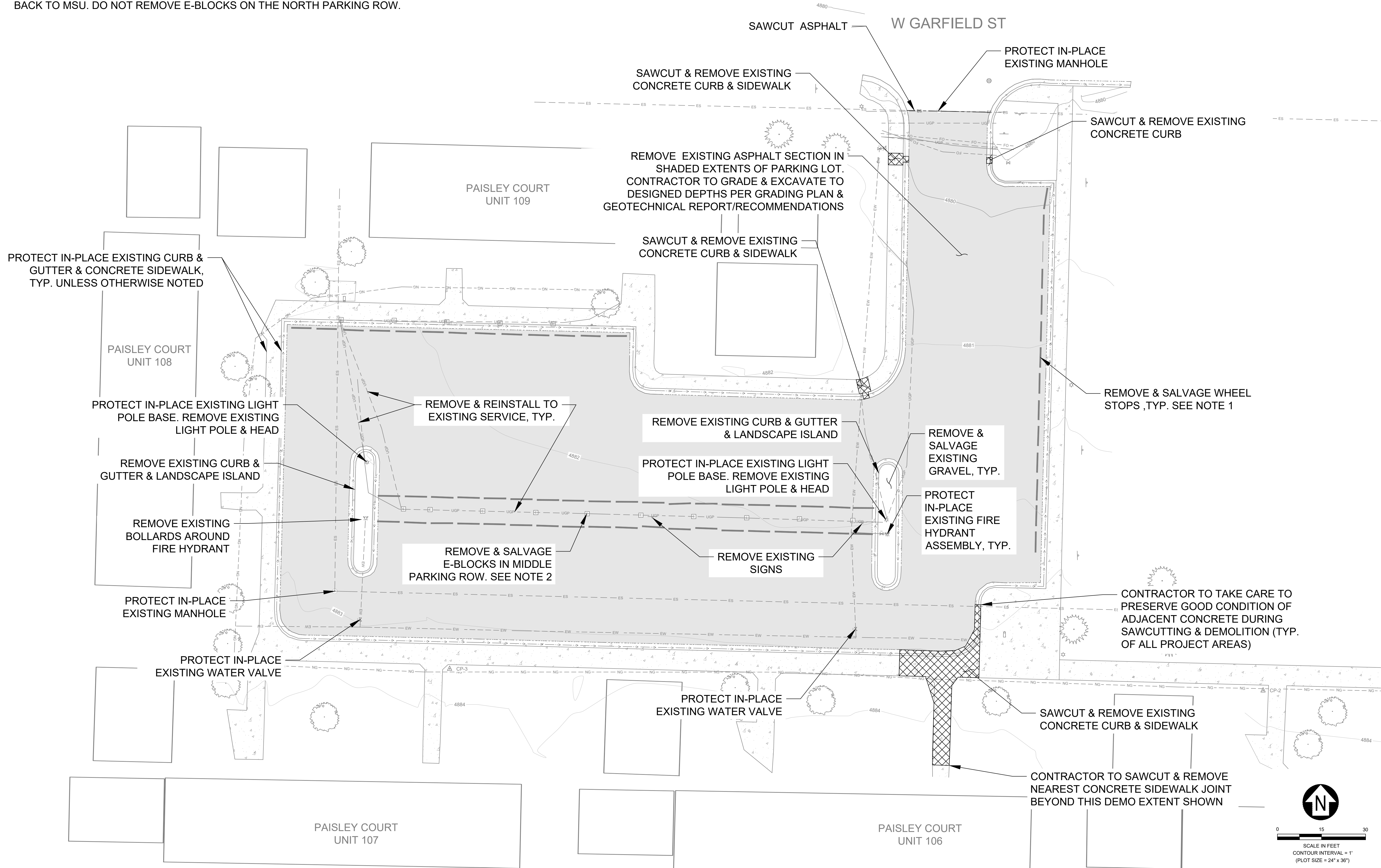
SHEET
G10-3

DATE
05-26-23

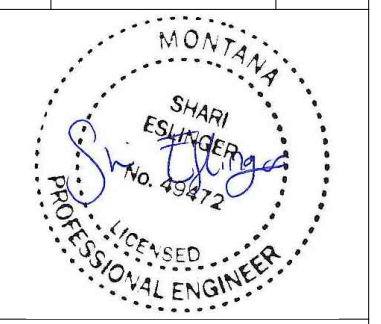
No. 24, 2013 - Update - 7/14/2013 PPA#22-0012 KEY MAP & SURVEY CONTROL
 FOR THE 2023 Parking Court Parking Lot Improvements Project, 2023

NOTES:

1. ALL WHEEL STOPS WILL BE REMOVED & EXAMINED. THE 13 WHEEL STOPS IN THE BEST REPAIR WILL BE SELECTED & REINSTALLED ON THE EAST ROW. THE REMAINING WHEEL STOPS SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR.
2. ALL E-BLOCKS IN THE MIDDLE ROW WILL BE REMOVED & EXAMINED. THE TWO BLOCKS IN THE BEST REPAIR WILL BE SELECTED & REINSTALLED ON EACH ISLAND AS DEPICTED ON SHEET CP1-1. THE REMAINING E-BLOCKS WILL BE SALVAGED BACK TO MSU. DO NOT REMOVE E-BLOCKS ON THE NORTH PARKING ROW.



REV.	DESCRIPTION	DATE



PPA#22-0012

PAISLEY COURT WEST - DEMO PLAN

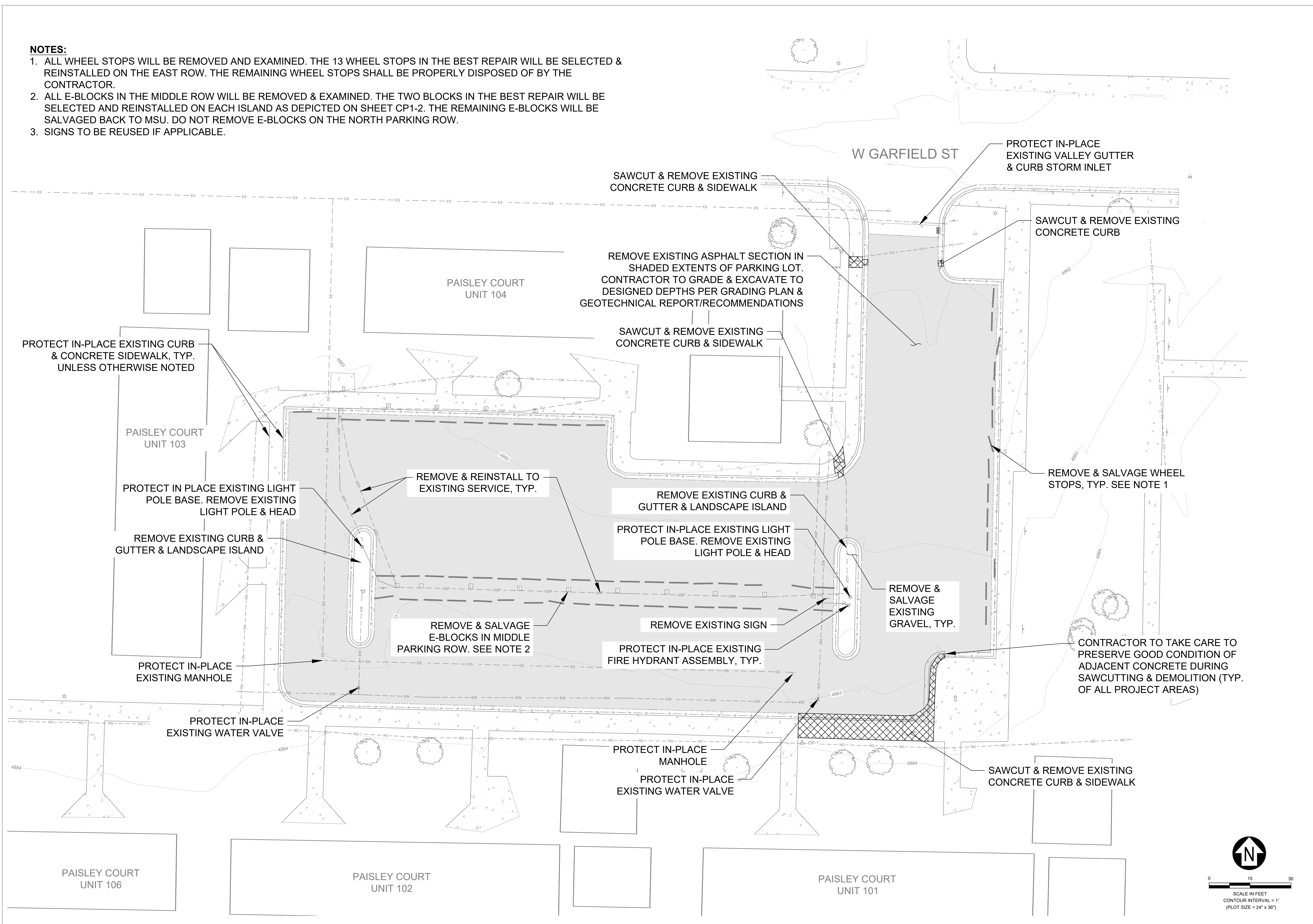
SHEET
CD1-1

DATE
05-05-23

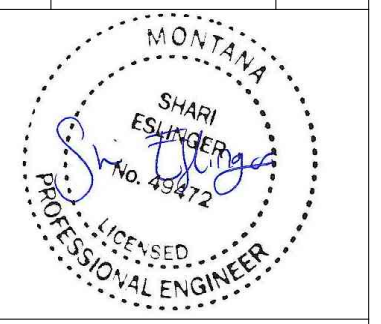
NO. 24, 2013 - 10/2013 - 7/2014 PAISLEY COURT WEST - DEMO PLAN SHEET CD1-1 (REV. 05/23) DRAWN BY: L. OTTEY, ENGINEER, MSU-CPDC. CHECKED BY: K. GAUTHIER, ENGINEER, MSU-CPDC. PLOT SIZE: 24" x 36"

NOTES:

1. ALL WHEEL STOPS WILL BE REMOVED AND EXAMINED. THE 13 WHEEL STOPS IN THE BEST REPAIR WILL BE SELECTED & REINSTALLED ON THE EAST ROW. THE REMAINING WHEEL STOPS SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR.
2. ALL E-BLOCKS IN THE MIDDLE ROW WILL BE REMOVED & EXAMINED. THE TWO BLOCKS IN THE BEST REPAIR WILL BE SELECTED AND REINSTALLED ON EACH ISLAND AS DEPICTED ON SHEET CP1-2. THE REMAINING E-BLOCKS WILL BE SALVAGED BACK TO MSU. DO NOT REMOVE E-BLOCKS ON THE NORTH PARKING ROW.
3. SIGNS TO BE REUSED IF APPLICABLE.



REV.	DESCRIPTION	DATE



PPA#22-0012

Paisley Court East - Demo Plan

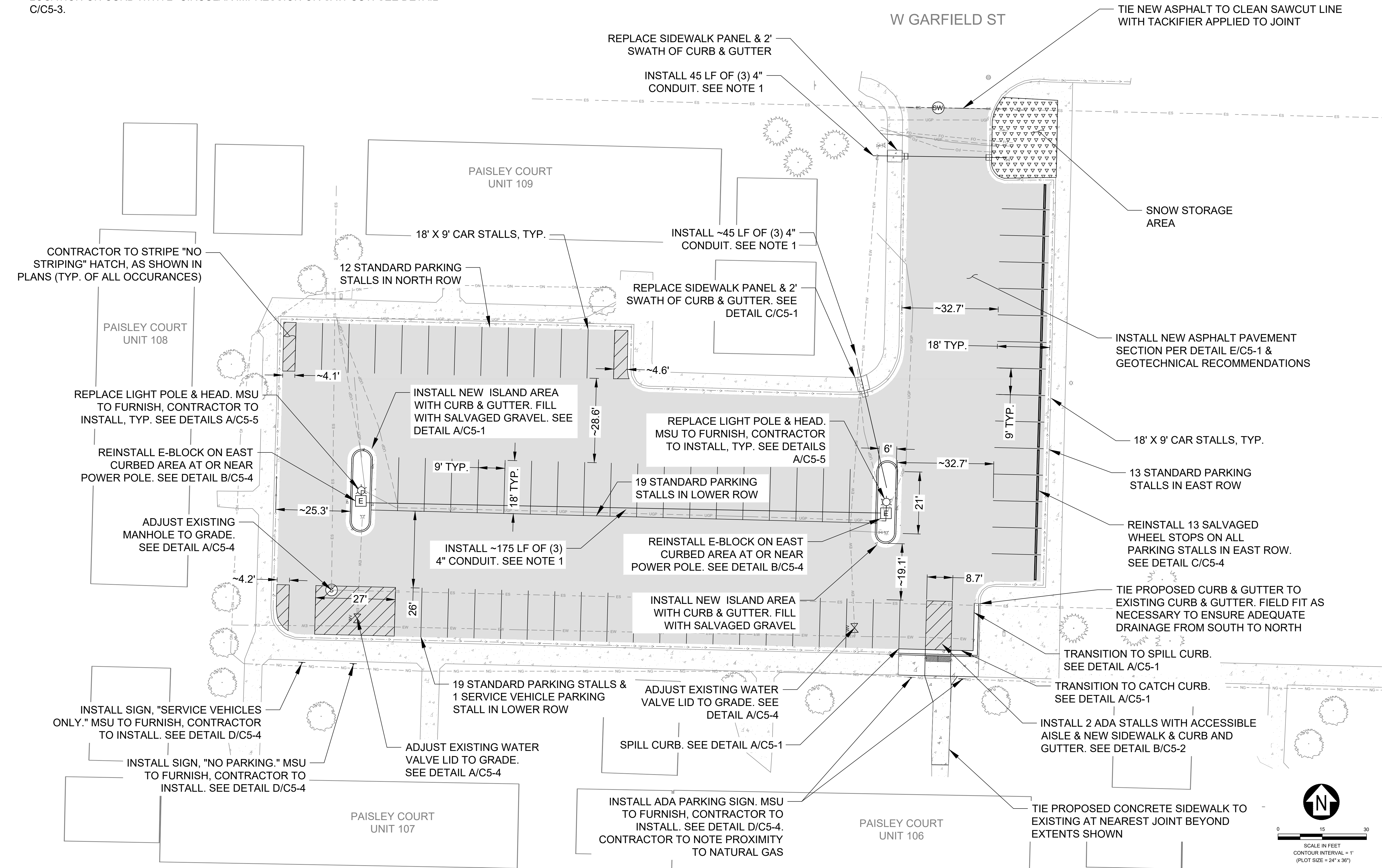
SHEET
CD1-2

DATE
 05-05-23

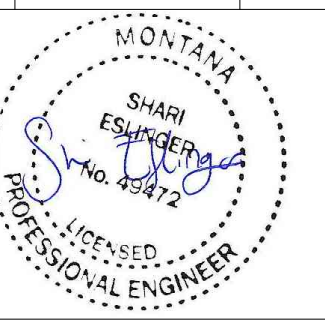
No. 24, 2013 - 10/2013 - 7/2014 Paisley Court East Parking Lot Improvements (CP1-2) CD1-2.dwg
 PLOT SIZE: 24" x 36"

NOTES:

1. CONDUIT WILL BE INSTALLED AT 24" BURY DEPTH TO TOP OF CONDUIT BUNDLE. LABEL CONDUIT WITH LOCATE TAPE. CAP, MARK AND SWEEP 3' OFF THE GROUND. LOCATED AT A 2' SETBACK FROM THE CURB. MARK CONDUIT LOCATION ON CURB WITH 2" CIRCULAR IMPRESSION OR SAW CUT. SEE DETAIL C/C5-3.



DRAWN BY:	L. OTTEY	
REVIEWED BY:	K. GAUTHIER	
REV.	DESCRIPTION	DATE
1	RE-BID REV	05/26/23



PPA#22-0012

WEST PAISLEY COURT- SITE PLAN

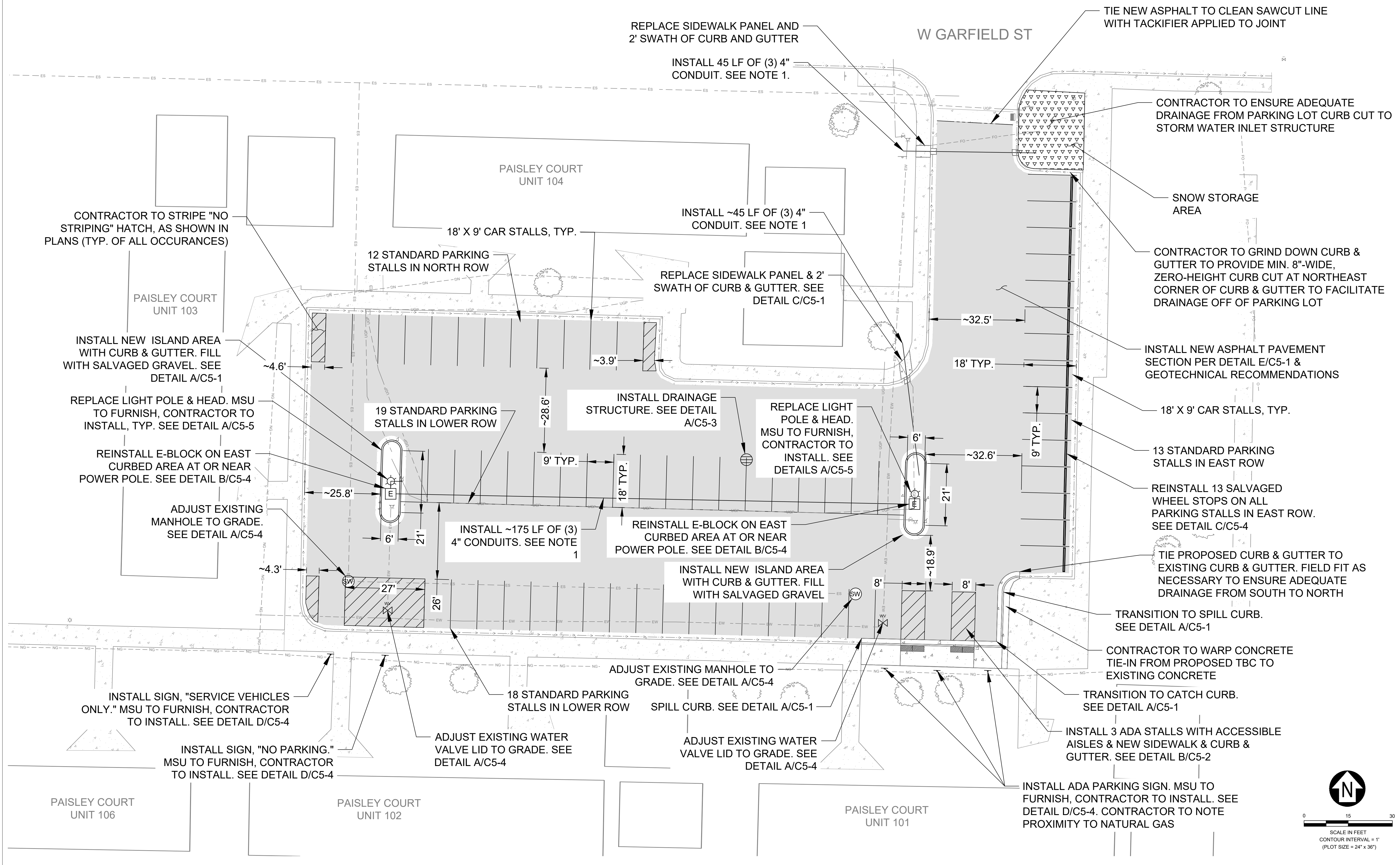
SHEET
CP1-1

DATE
05-26-23

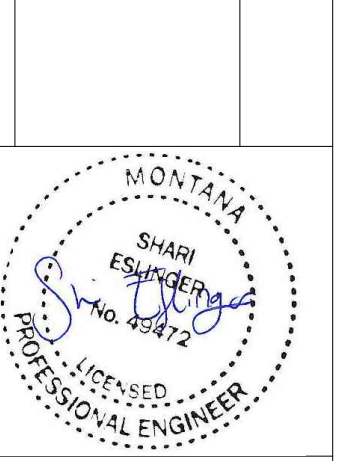
NO. 24, 2023 - 5/26/23 - WEST PAISLEY COURT PARKING IMPROVEMENTS (RE-BID) (PLOT SIZE = 24" x 36")

NOTES:

- CONDUIT WILL BE INSTALLED AT 24" BURY DEPTH TO TOP OF CONDUIT BUNDLE. LABEL CONDUIT WITH LOCATE TAPE. CAP, MARK AND SWEEP 3' OFF THE GROUND. LOCATED AT A 2' SETBACK FROM THE CURB. MARK CONDUIT LOCATION ON CURB WITH 2" CIRCULAR IMPRESSION OR SAW CUT. SEE DETAIL C/C5-3.



REV.	DESCRIPTION	DATE
1	RE-BID REV	05/26/23

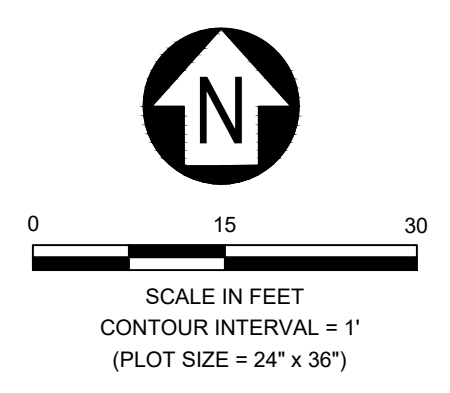


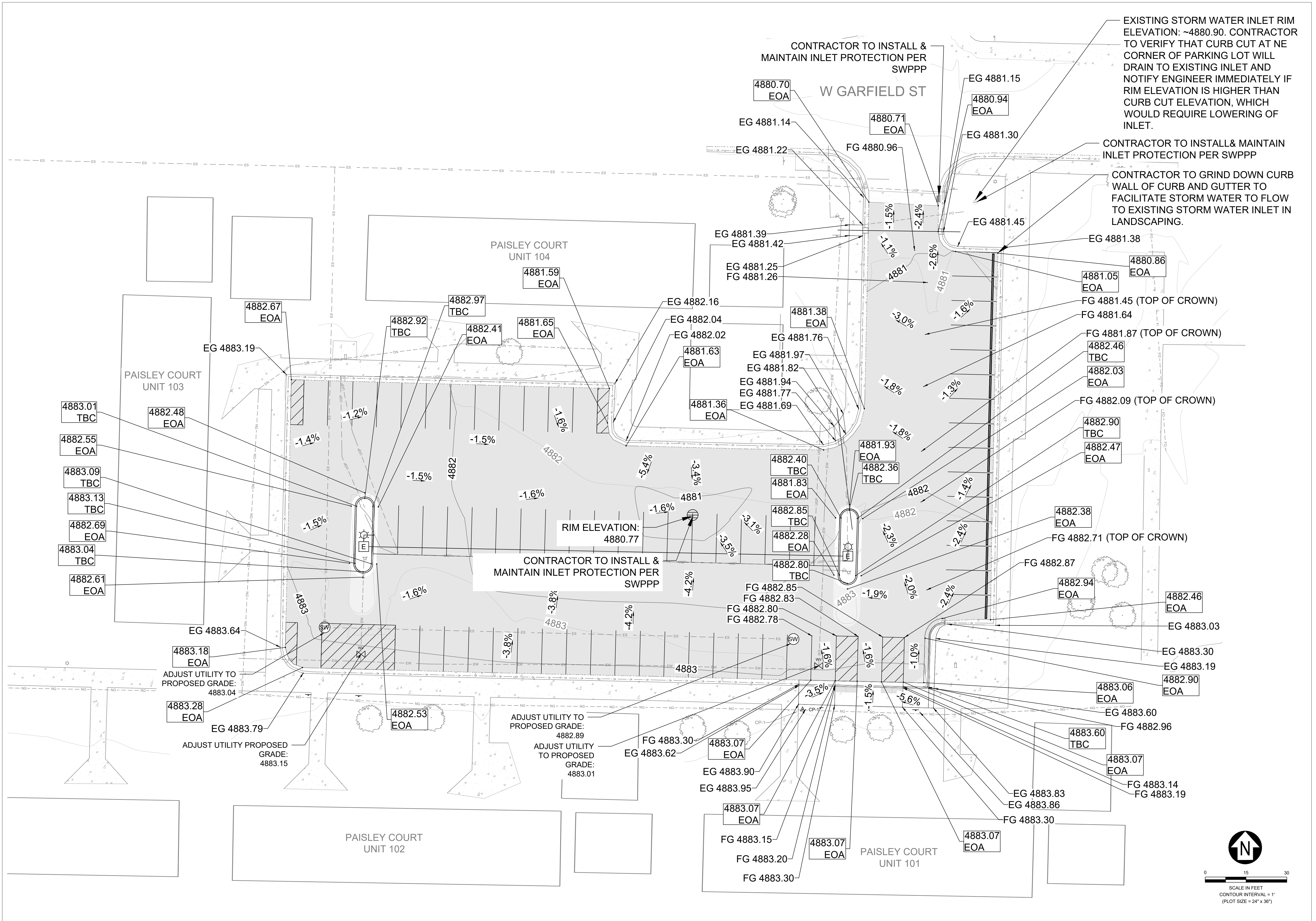
PPA#22-0012

Paisley Court East - Site Plan

SHEET
CP1-2

DATE
05-26-23





EXISTING STORM WATER INLET RIM ELEVATION: ~4880.90. CONTRACTOR TO VERIFY THAT CURB CUT AT NE CORNER OF PARKING LOT WILL DRAIN TO EXISTING INLET AND NOTIFY ENGINEER IMMEDIATELY IF RIM ELEVATION IS HIGHER THAN CURB CUT ELEVATION, WHICH WOULD REQUIRE LOWERING OF INLET.

CONTRACTOR TO INSTALL & MAINTAIN INLET PROTECTION PER SWPPP

CONTRACTOR TO GRIND DOWN CURB AND GUTTER WALL OF CURB AND GUTTER TO FACILITATE STORM WATER TO FLOW TO EXISTING STORM WATER INLET IN LANDSCAPING.

CONTRACTOR TO INSTALL & MAINTAIN INLET PROTECTION PER SWPPP

ADJUST UTILITY TO PROPOSED GRADE: 4883.04

ADJUST UTILITY PROPOSED GRADE: 4883.15

ADJUST UTILITY TO PROPOSED GRADE: 4882.89

ADJUST UTILITY TO PROPOSED GRADE: 4883.01



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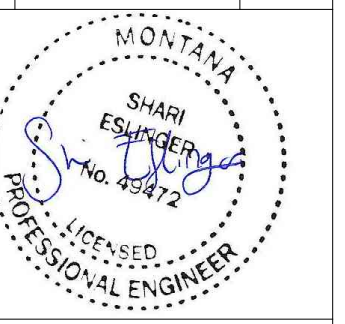
PARKING IMPROVEMENTS

2023



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

REV.	DESCRIPTION	DATE



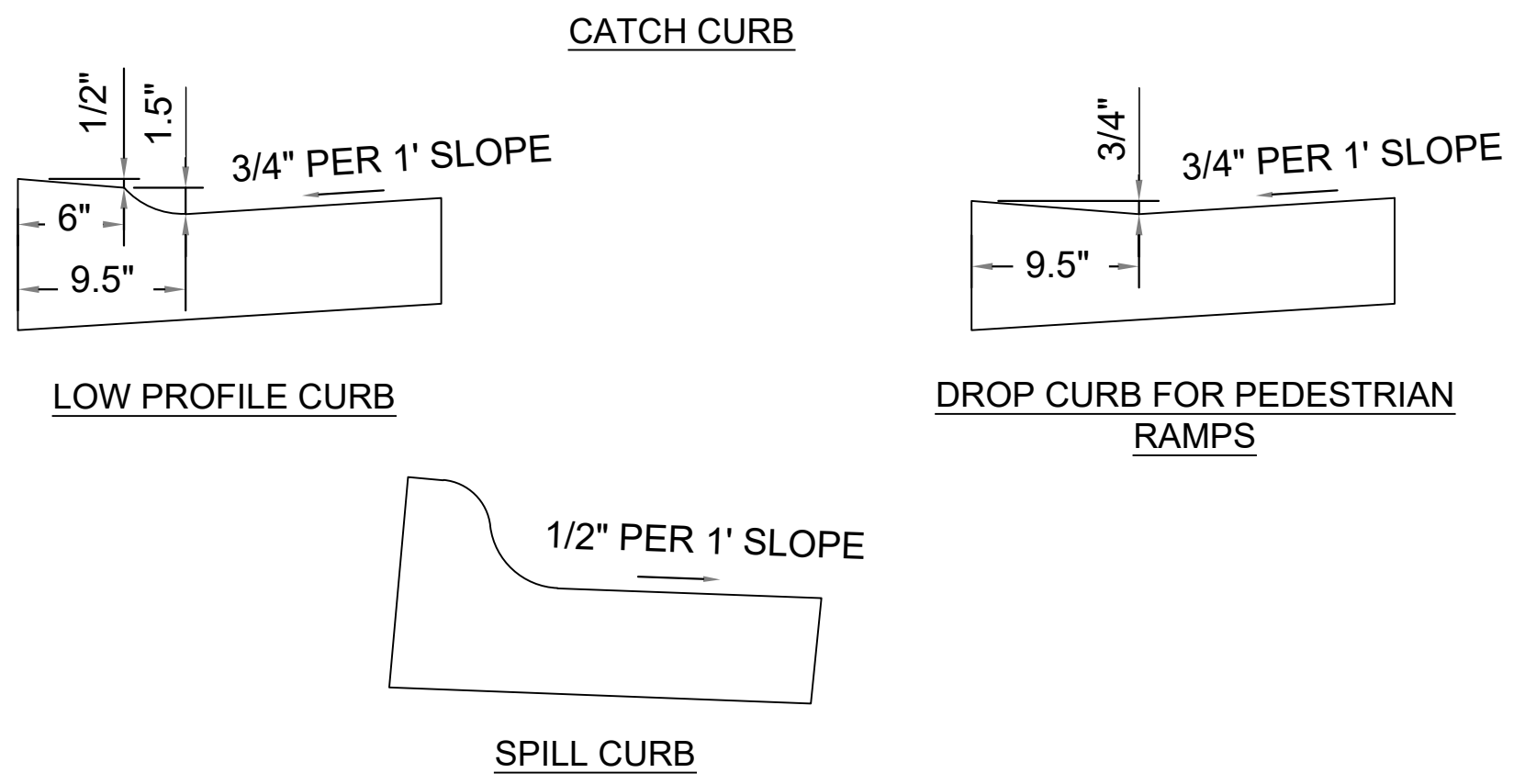
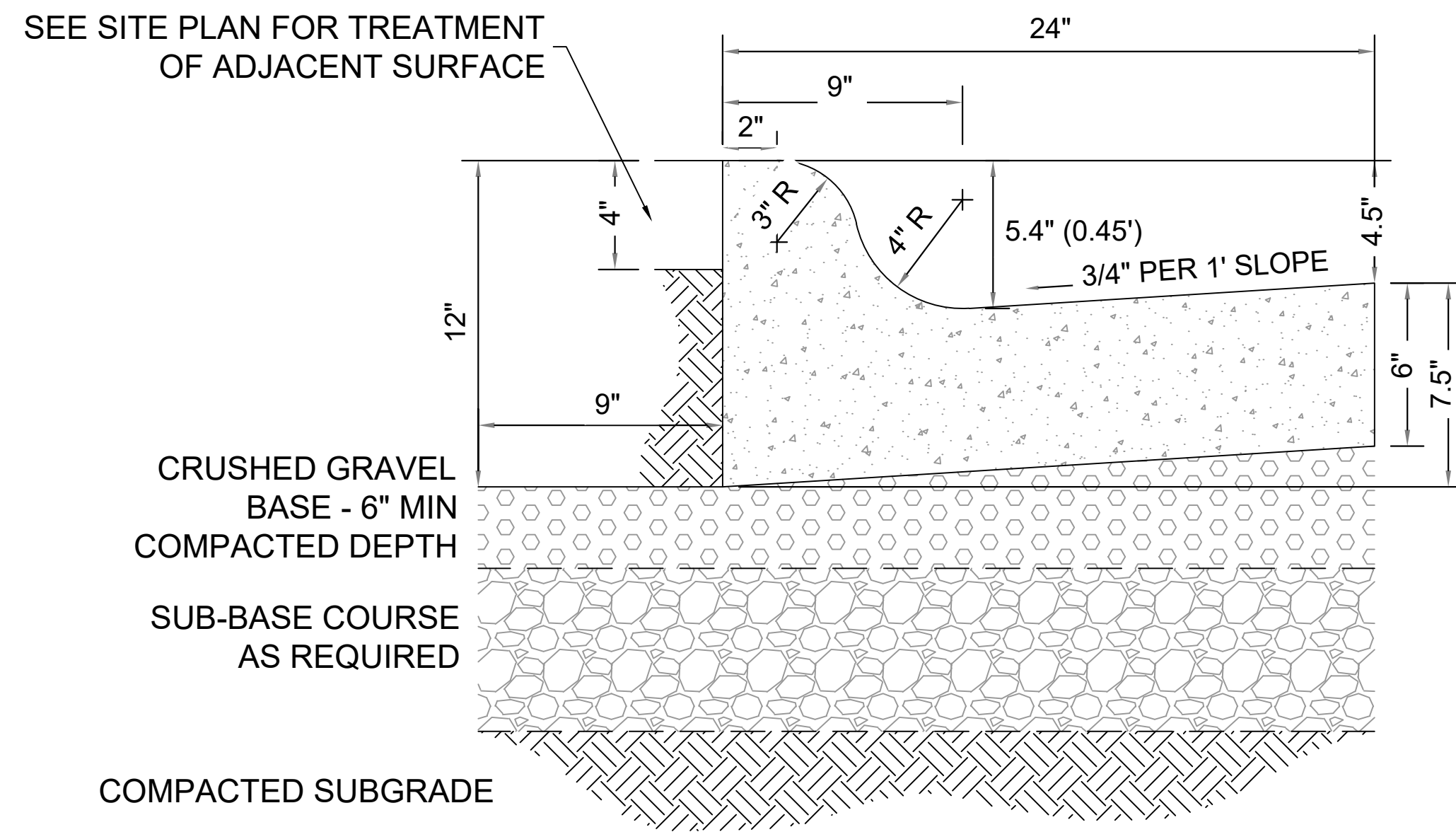
PPA#22-0012

PAISLEY COURT EAST - GRADING PLAN

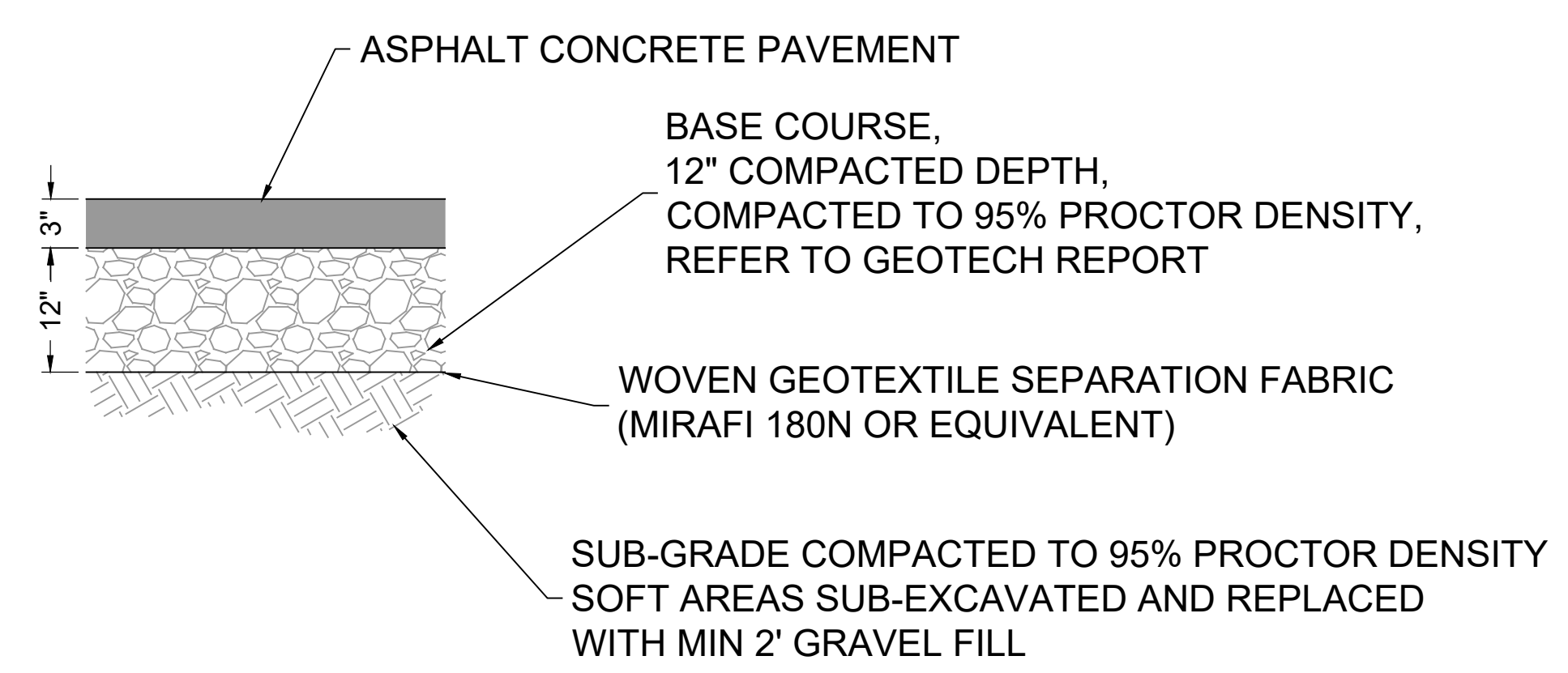
SHEET CG1-2

DATE 05-05-23

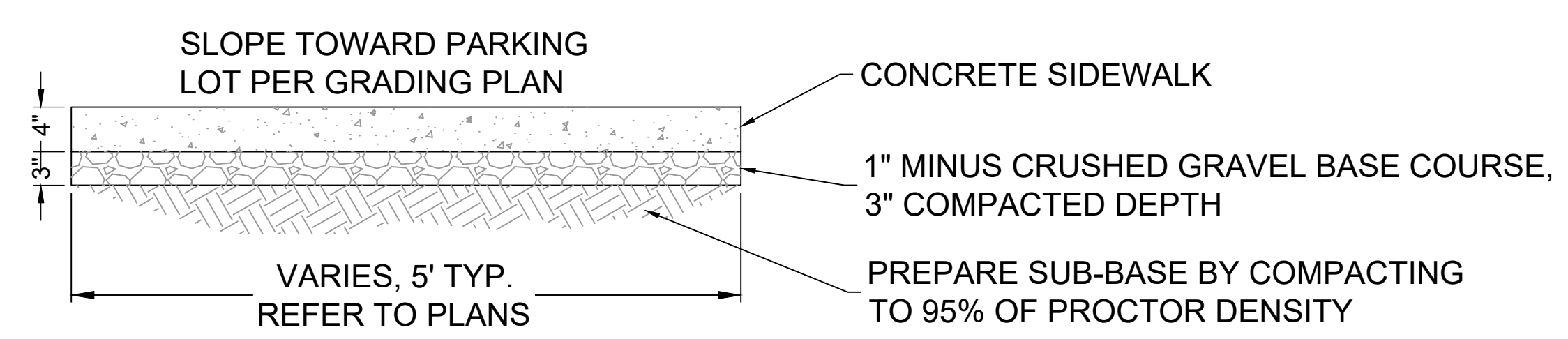
NO. 24, 2013 - 12/20/13 - 7/14/14 PAISLEY COURT EAST - GRADING PLAN - 100% PERMISSIVE GRADING PLAN



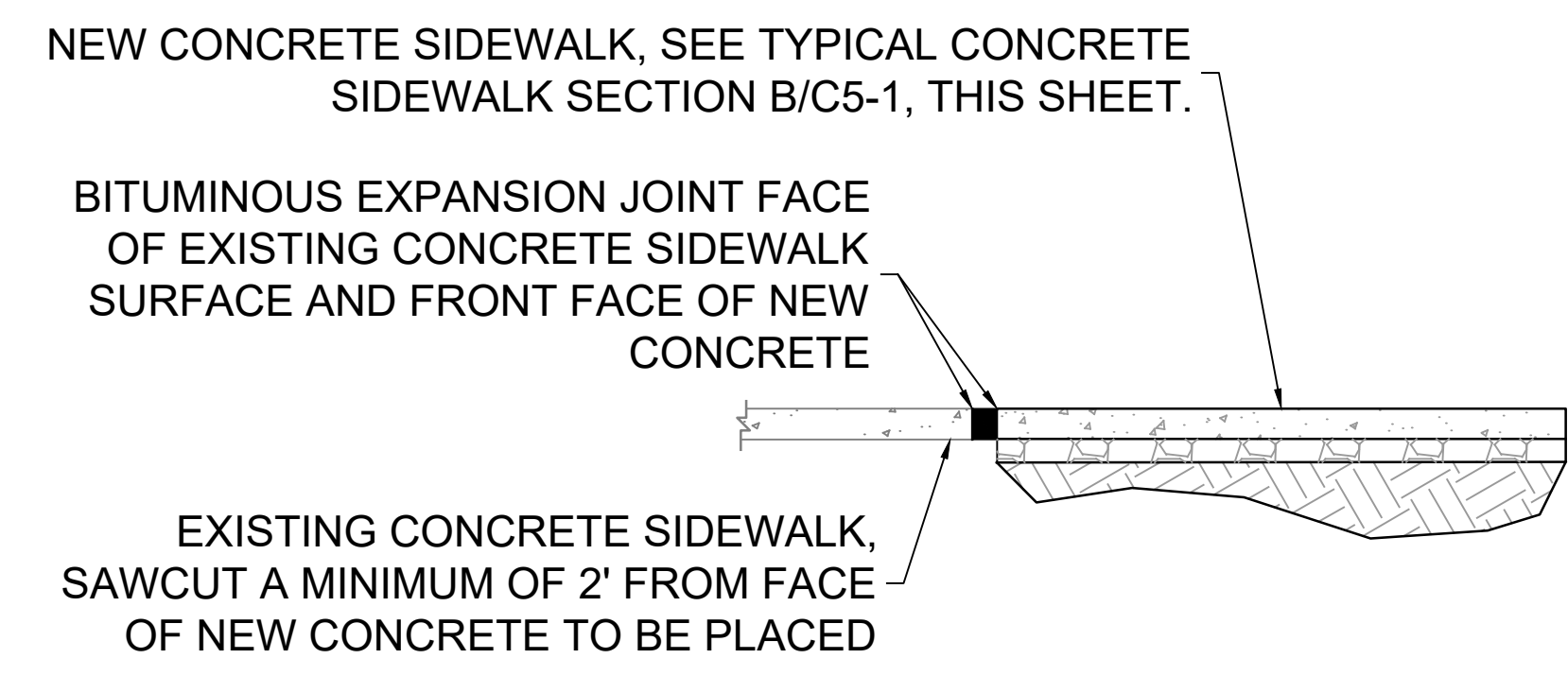
A INTEGRAL CURB & GUTTER
C5-1 NTS



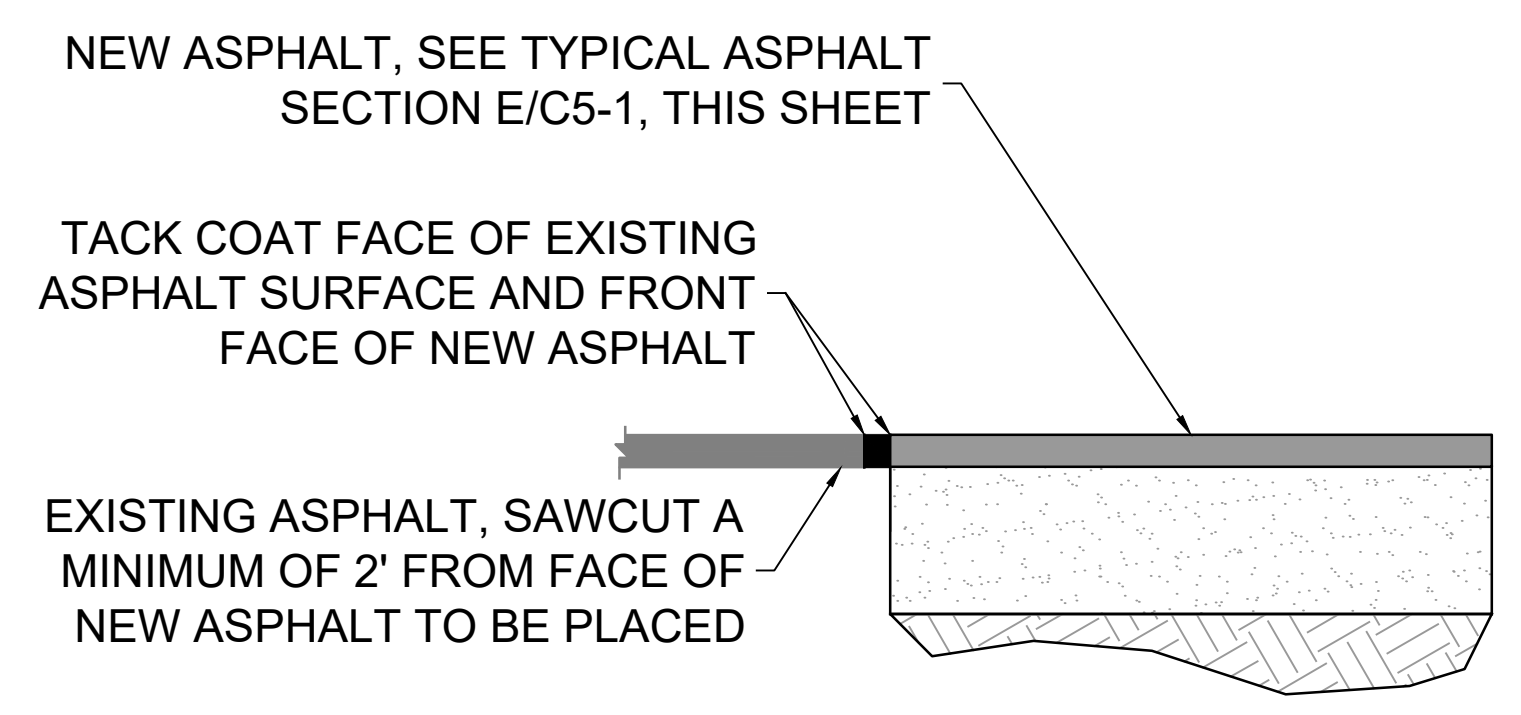
E ALTERNATIVE 1 ASPHALT SECTION
C5-1 NTS



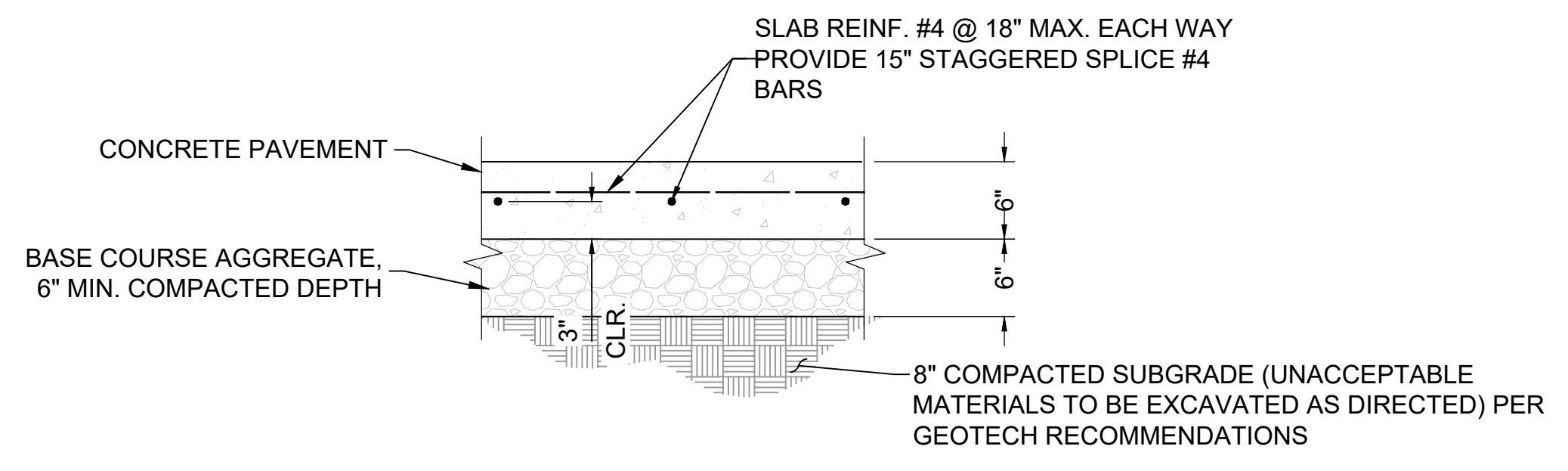
B TYPICAL CONCRETE SIDEWALK SECTION
C5-1 NTS



C TYPICAL CONCRETE CUT
C5-1 NTS



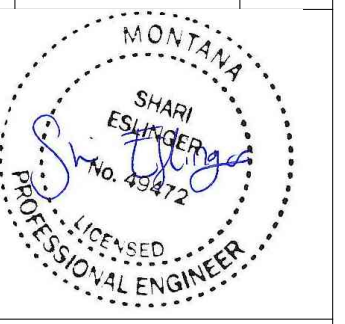
D TYPICAL ASPHALT CUT
C5-1 NTS



F REINFORCED CONCRETE 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.

DRAWN BY: L. OTTEY		
REVIEWED BY: K. GAUTHIER		
REV.	DESCRIPTION	DATE
1	RE-BID REV	05/26/23



PPA#22-0012

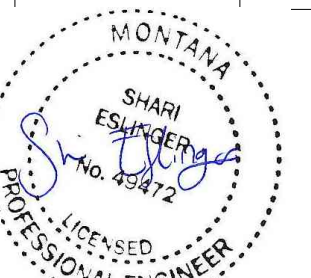
DETAILS 1

SHEET
C5-1

DATE
05-26-23

NO. 24, 2013 - 12/20/2013 - 7/10/2014 PAVEMENT IMPROVEMENTS SHEETS FOR BID NO. 24, 2013
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DRAWN BY: L. OTTEY		
REVIEWED BY: K. GAUTHIER		
REV.	DESCRIPTION	DATE
1	RE-BID REV	05/26/23

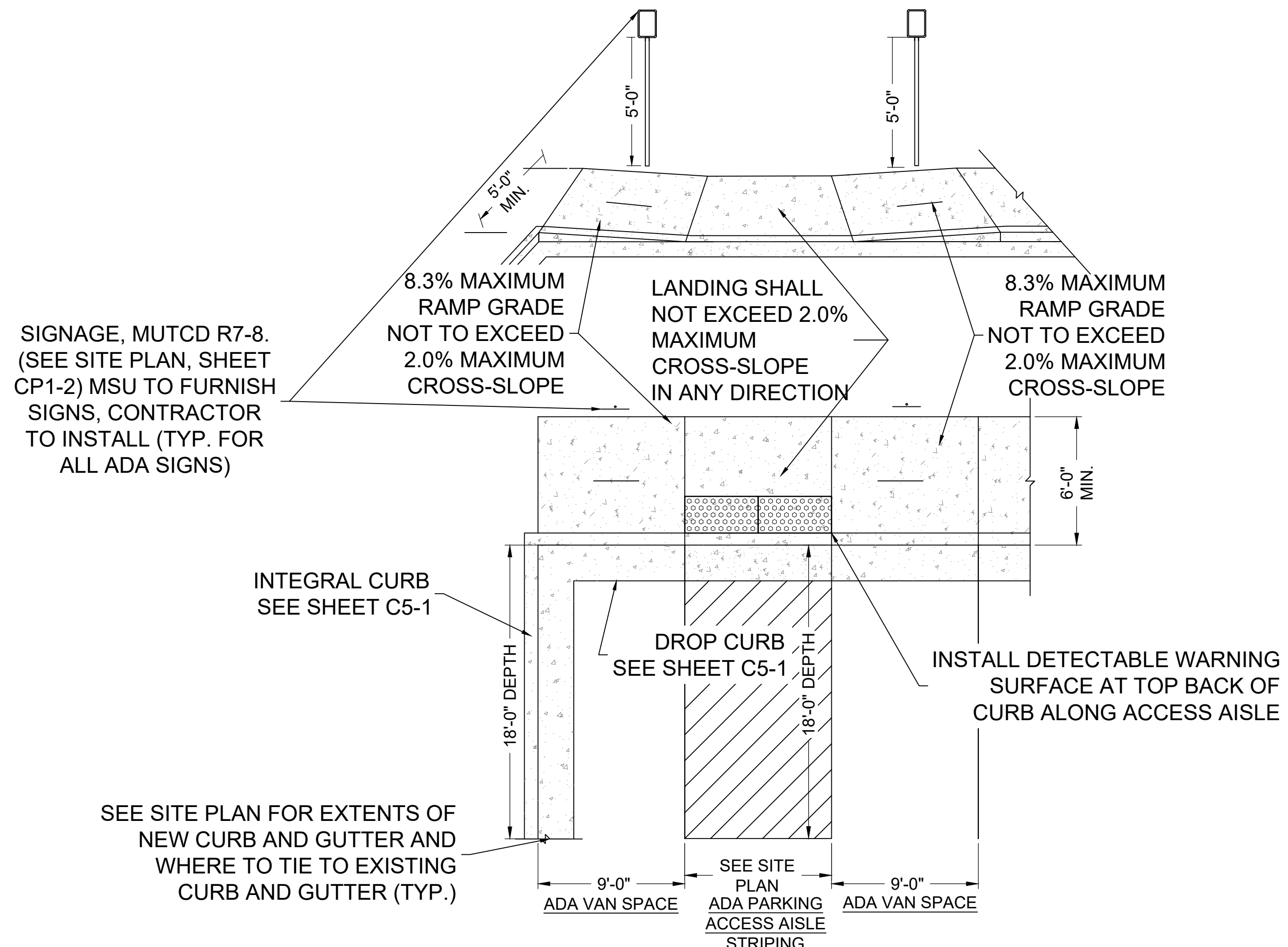


PPA#22-0012

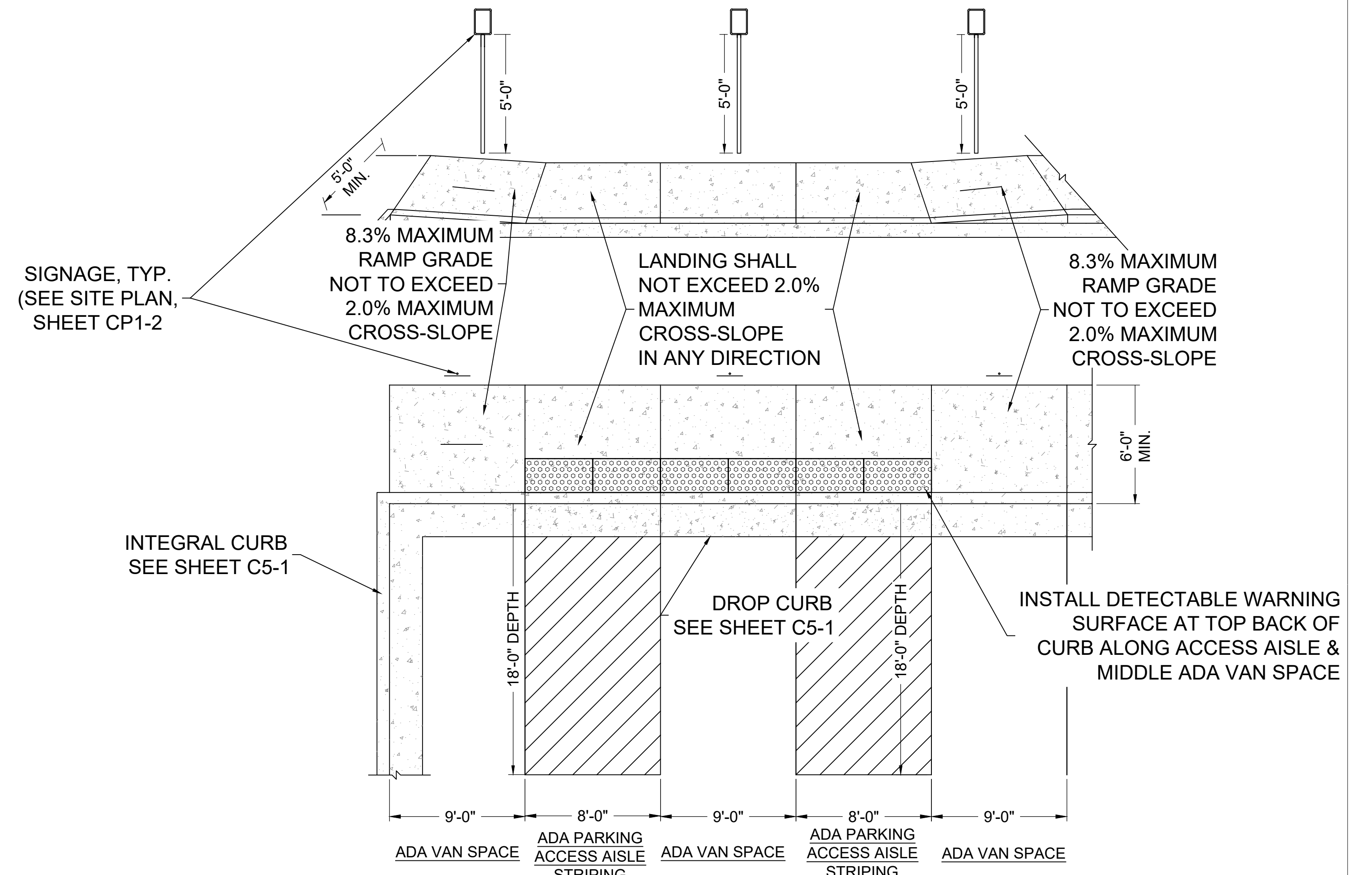
DETAILS 2

SHEET
C5-2

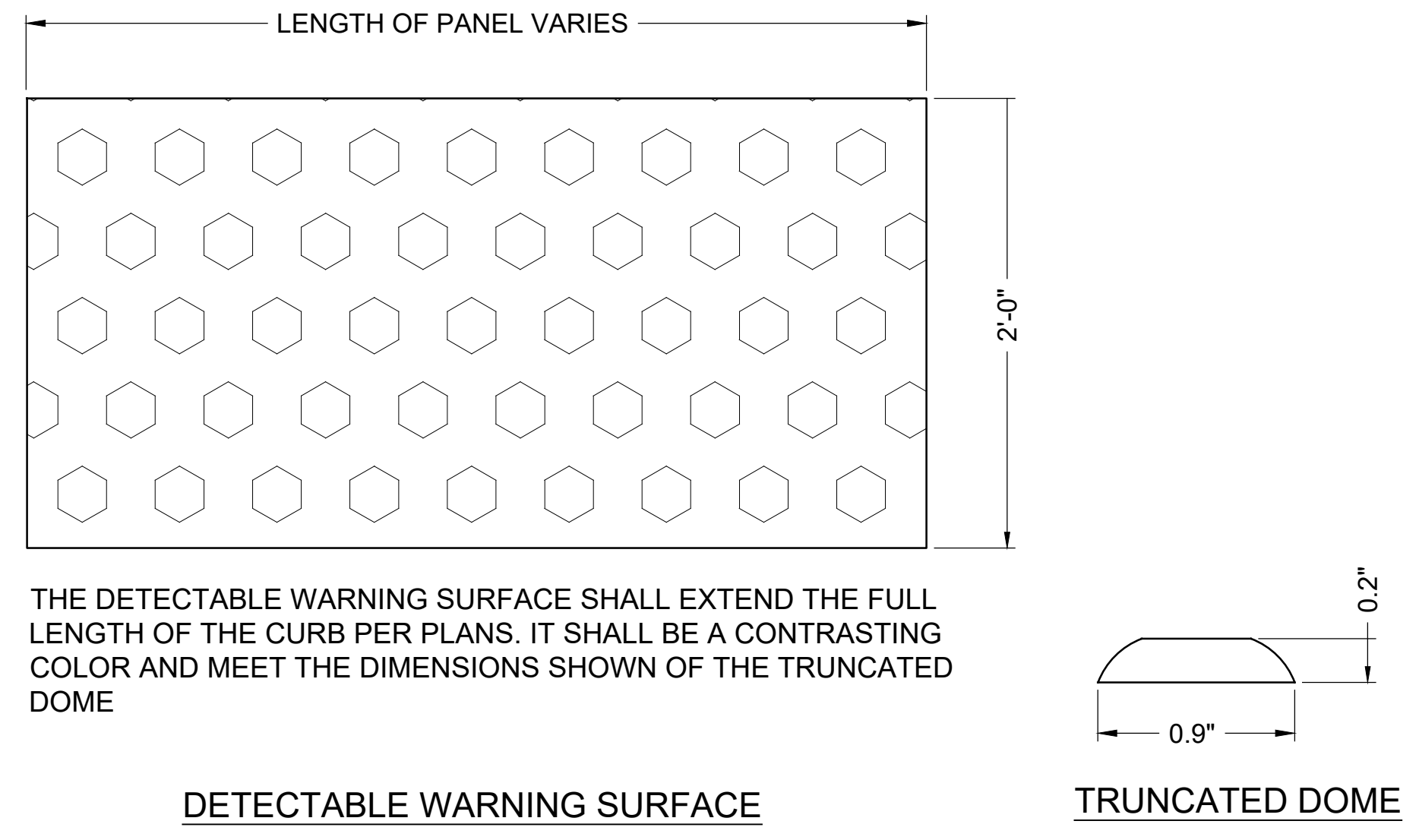
DATE
 05-26-23



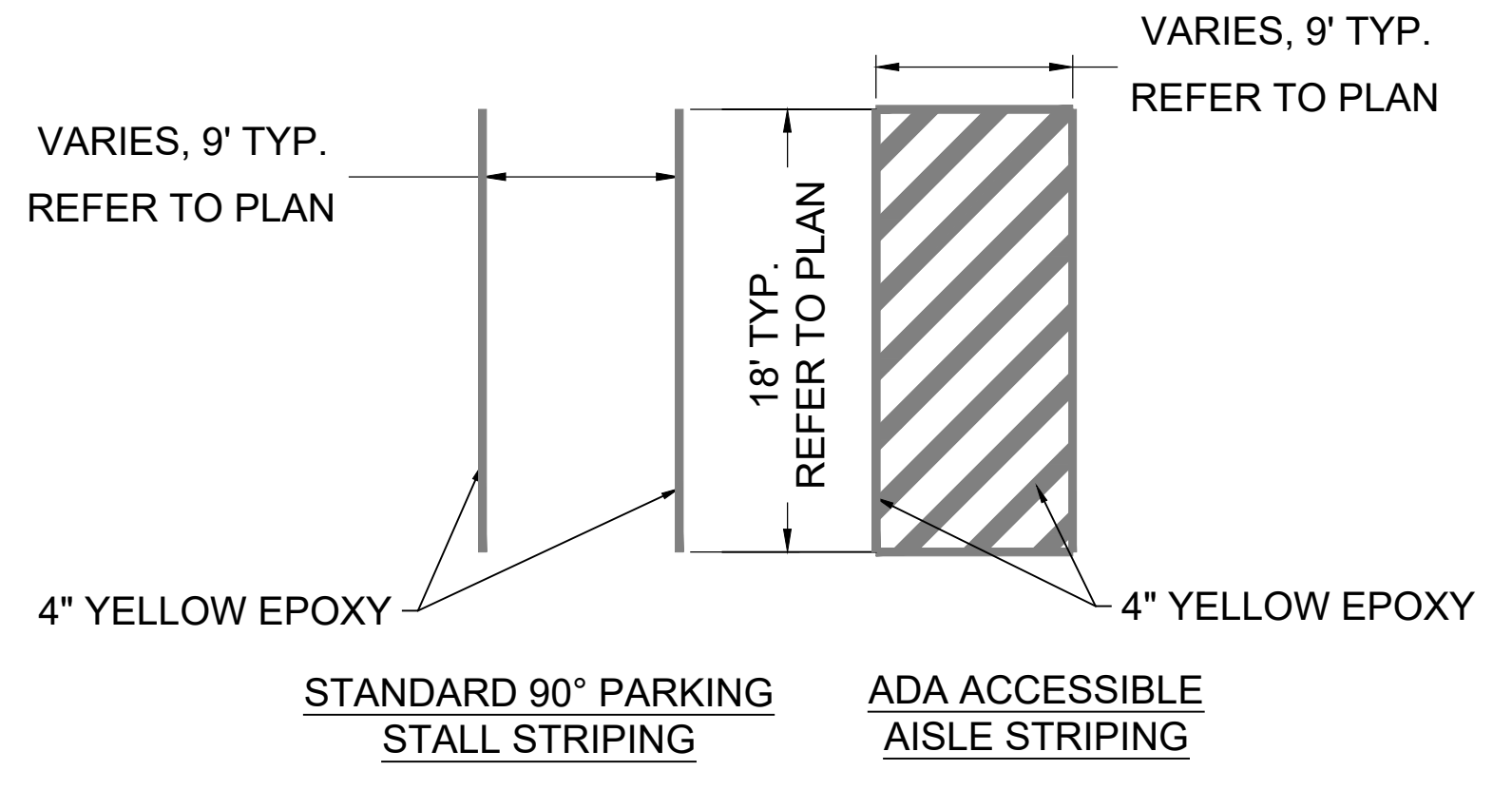
A ADA STALL DETAIL - PAISLEY WEST
 C5-2 NTS



B ADA STALL DETAIL - PAISLEY EAST
 C5-2 NTS

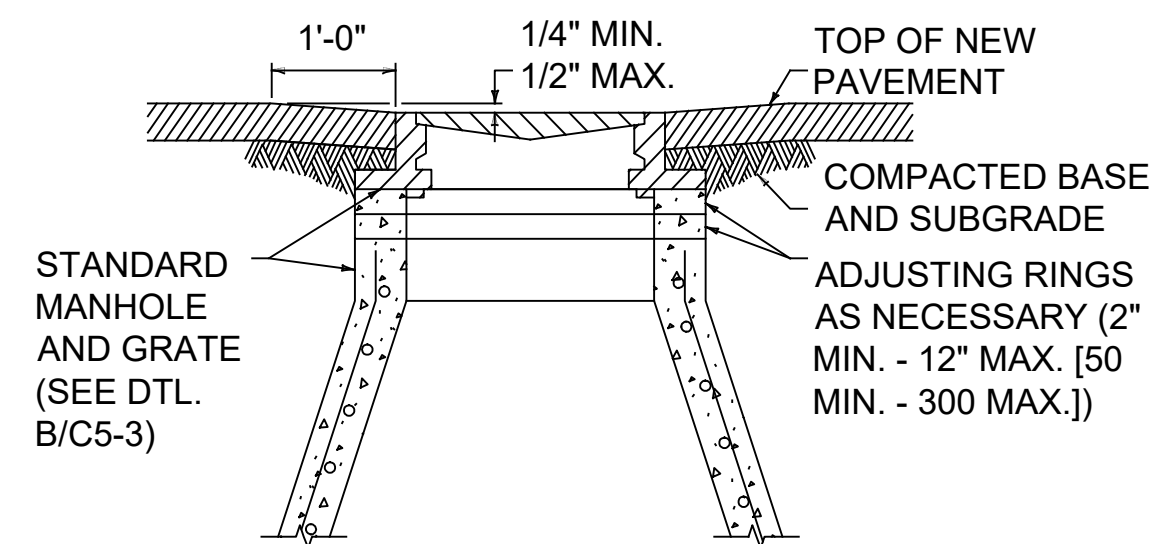


C DETECTABLE WARNING DETAIL
 C5-2 NTS



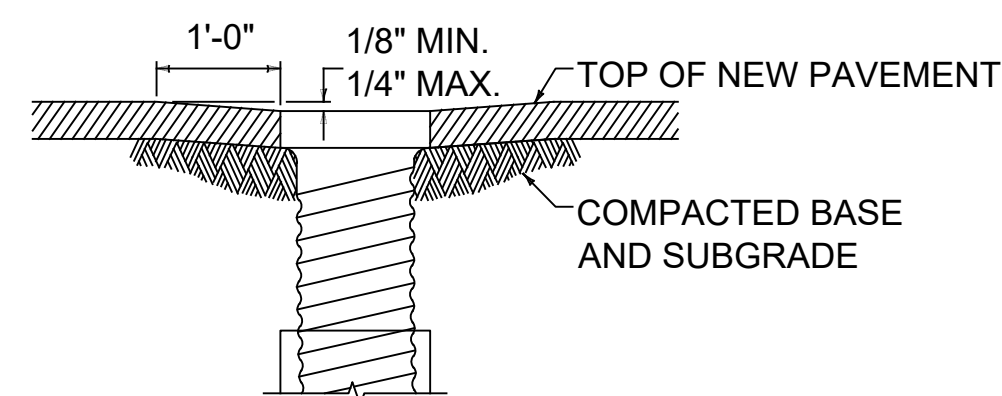
D TYPICAL PAVEMENT MARKINGS
 C5-2 NTS

No. 24, 2013 - 12/20/2013 - 7/14/2014 PAVEMENT IMPROVEMENTS SHEETS FOR BID REVISED
 1/10/2014 10/1/2014 Public Comment Period for Improvements to the University of Montana



- 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.

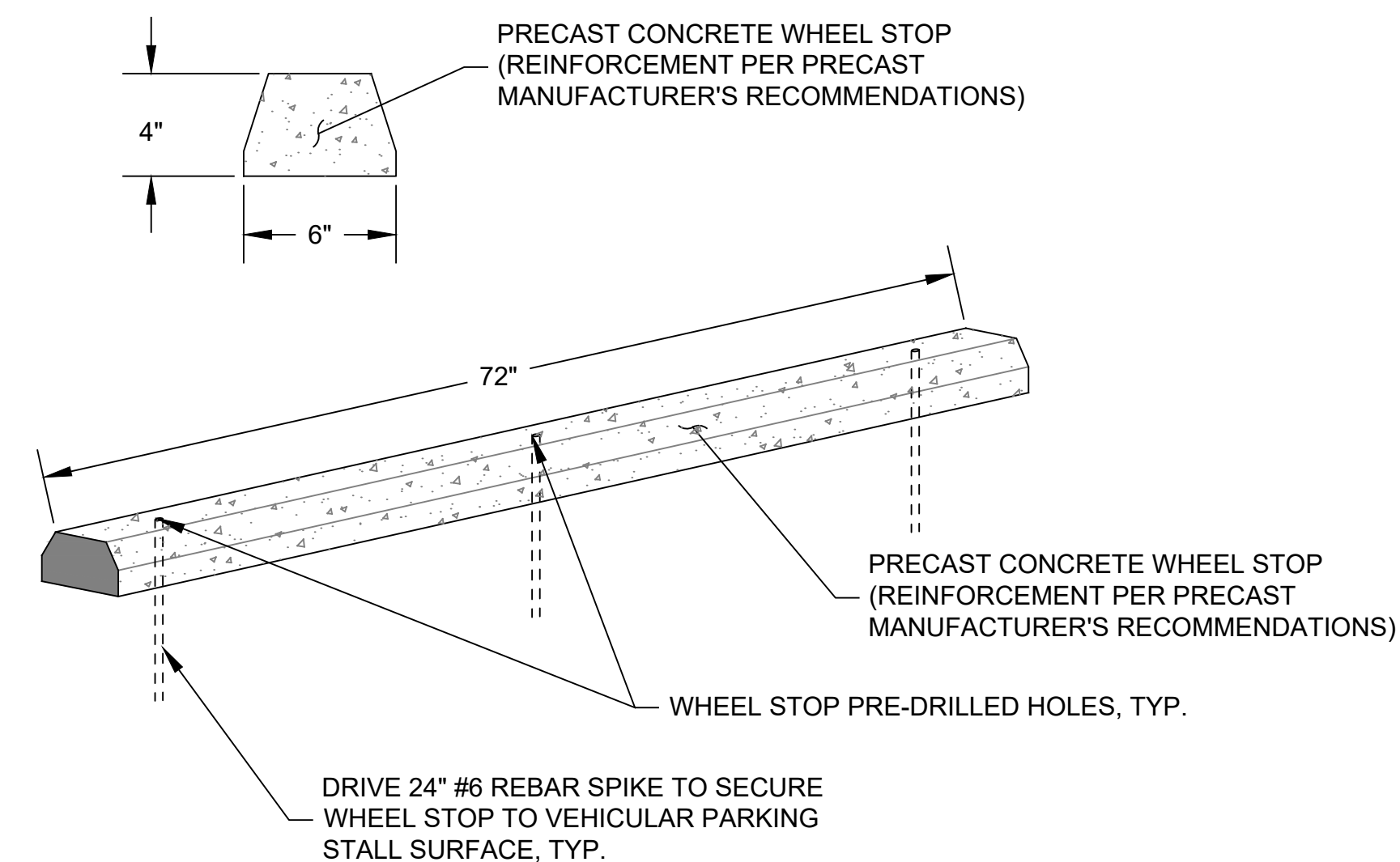
VALVE BOX ADJUSTMENT DETAIL



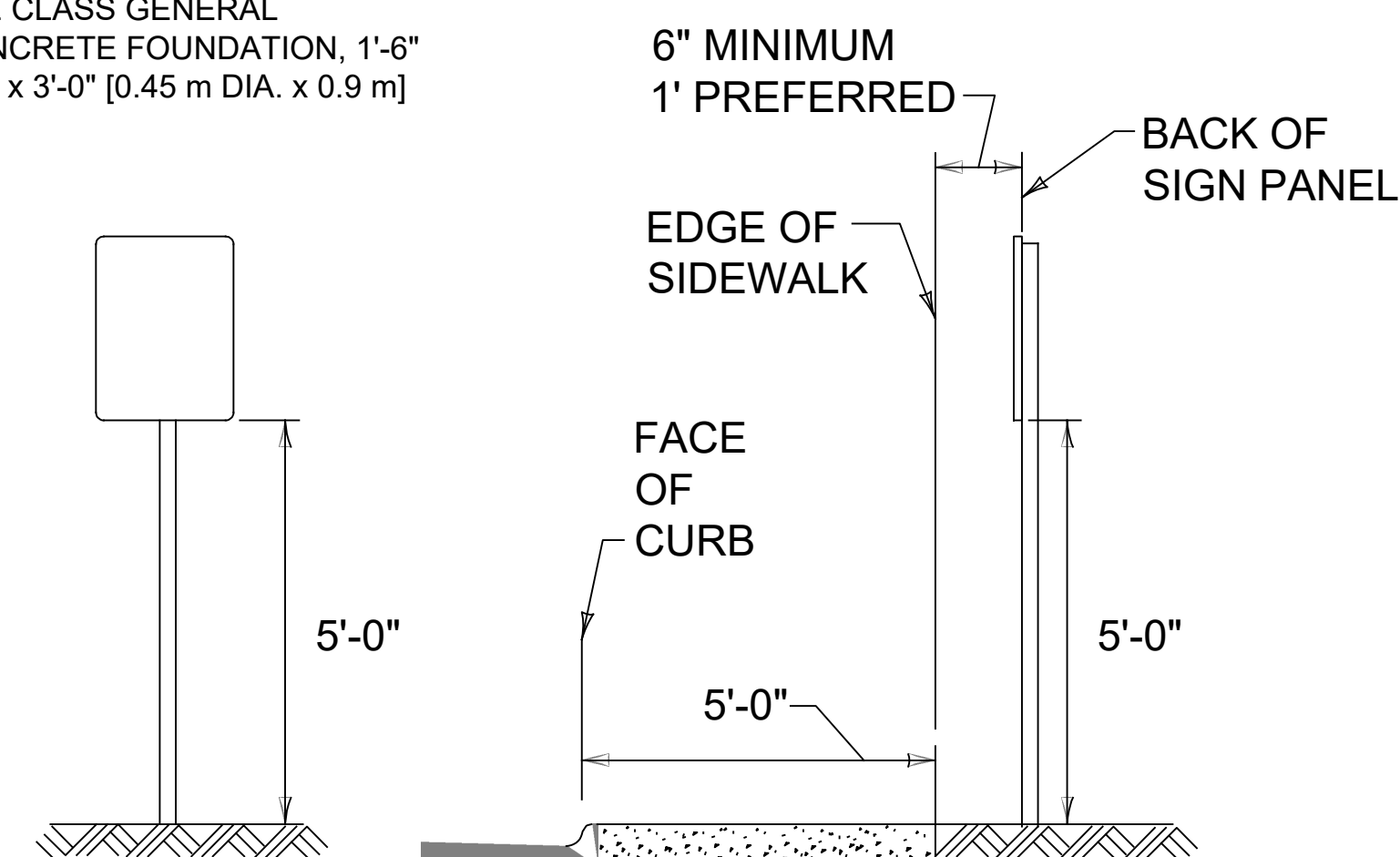
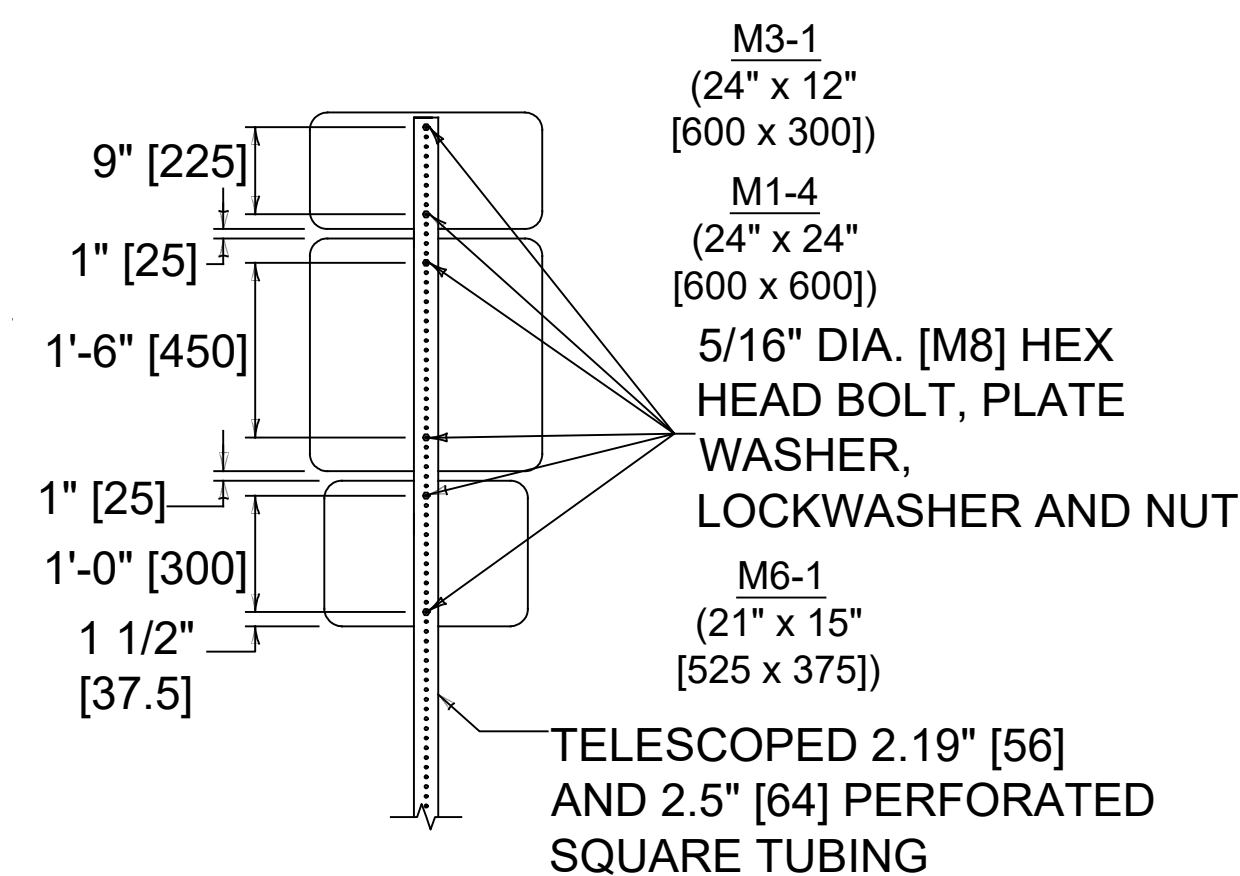
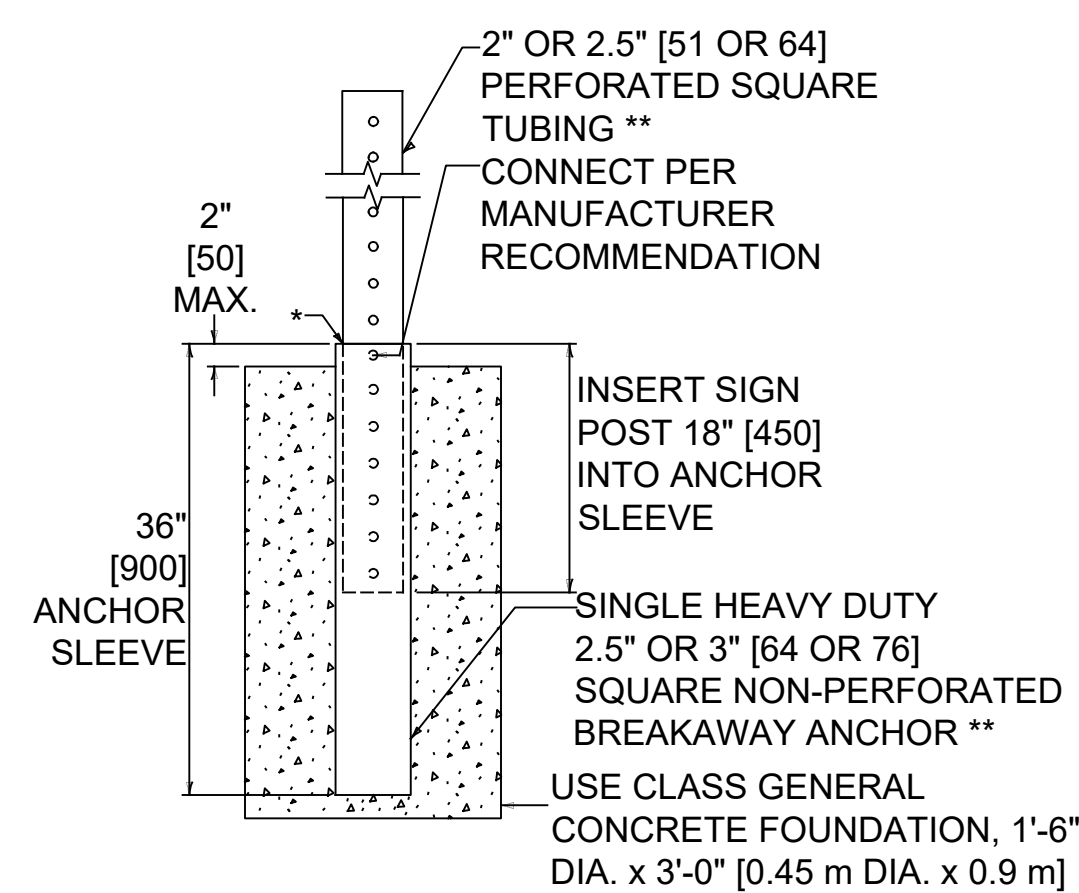
NOTE: CONTRACTOR TO VERIFY WITH MSU THE 8 IN BEST CONDITION TO REINSTALL.

A MANHOLE AND VALVE BOX ADJUSTMENT DETAILS
C5-4 NTS

B E-BLOCK
C5-4 NTS



C CONCRETE WHEEL STOP DETAIL
C5-4 NTS



D SIGN INSTALATION DETAIL
C5-4 NTS

