

MCINTOSH CT EAST GRADING

DETAILS

CG1-1

C5-1



PPA#: 22-0012

**MONTANA STATE UNIVERSITY** 

BOZEMAN, MT

MILL & OVERLAY LOTS 2024

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

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DRAWN BY: AS REVIEWED BY: MR REV. DESCRIPTION DATE

PPA#22-0012

**COVER** 

SHEET GI0-1

### GENERAL NOTES

- 1. EXISTING UTILITIES ARE REPRESENTED IN THESE PLANS, BUT IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY LOCATIONS OF ALL UTILITIES THAT MAY BE IMPACTED BY THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ANY AND ALL UTILITIES IN THE AREA A MINIMUM OF 48 HOURS PRIOR TO PERFORMING ANY EXCAVATION ON THIS PROJECT. CONTACT ONE-CALL FOR UTILITY LOCATES 811.
- 2. CONTRACTOR IS RESPONSIBLE FOR EXISTING CONDITIONS AND SHALL FIELD VERIFY EXISTING CONDITIONS AT THE SITE PRIOR TO CONSTRUCTION. WHERE CONDITIONS ENCOUNTERED WHICH APPEAR DIFFERENT FROM THOSE INDICATED ON THE PLANS OR IN THE SPECIFICATIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO THE PERFORMANCE OF WORK.
- 3. <u>SPECIFICATIONS:</u> ALL WORK SHALL CONFORM TO THE 7TH EDITION OF THE MONTANA PUBLIC WORKS STANDARD SPECIFICATIONS (MPWSS) AND MODIFICATIONS THERETO. IN CASE OF A CONFLICT BETWEEN REGULATORY OR STANDARD SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT WILL PREVAIL.
- 4. <u>PERMITS & FEES:</u> ALL PERMITS AND FEES REQUIRED FOR THIS PROJECT SHALL BE OBTAINED AND PURCHASED BY THE CONTRACTOR.
- 5. EROSION CONTROL PLAN & STATE OF MONTANA SWPPP: THE CONTRACTOR WILL BE RESPONSIBLE FOR CREATING AND FILING A STATE OF MONTANA NOTICE OF INTENT (NOI) FORM AND STORM WATER POLLUTION PREVENTION PLAN (SWPPP) UNDER THE MONTANA POLLUTANT DISCHARGE ELIMINATION SYSTEM (MPDES) WITH THE MONTANA WATER QUALITY DIVISION FOR STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITIES. ALL CONTRACTORS, INCLUDING THOSE SUBCONTRACTED BY THE GENERAL CONTRACTOR, SHALL COMPLY WITH THE APPROVED SWPPP.
- 6. <u>DISPOSAL:</u> ALL MATERIALS DESIGNATED FOR REMOVAL BECOME THE PROPERTY OF THE CONTRACTOR UPON REMOVAL AND ARE TO BE DISPOSED OF IN AN ENVIRONMENTALLY FRIENDLY SAFE MANNER IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS.
- 7. NO STORAGE OF CONSTRUCTION MATERIALS AND/OR EQUIPMENT HAS BEEN DESIGNATED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR OWN MATERIAL AND EQUIPMENT STORAGE AREA.
- 8. THE CONTRACTOR SHALL PROTECT ADJACENT SITES FROM DAMAGE DURING CONSTRUCTION.
- 9. LOT & STREET CLOSURES SHALL BE COORDINATED WITH & APPROVED BY MSU PARKING, MSU PDC, AND MSU FAMILY GRADUATE HOUSING STAFF 72 HOURS PRIOR TO CLOSURE.
- 10. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO PRECONSTRUCTION CONDITION AT THE CONTRACTORS EXPENSE.
- 11. THE CONTRACTOR SHALL MAINTAIN & DISPOSE OF ALL ABANDONED FACILITIES THAT ARE A RESULT OF THESE IMPROVEMENTS AS DESCRIBED HERE AND IN SPECIFICATIONS.
- 12. CONTRACTOR IS RESPONSIBLE FOR PURCHASING PARKING PERMITS FROM MSU FOR WORK CREW. SEE PARKING SERVICES AT 17TH & KAGY. ALL VEHICLES OTHER THAN MATERIALS DELIVERY TRUCKS MUST HAVE VALID PARKING PERMIT AND BE PARKED IN DESIGNATED MSU PARKING LOT.
- 13. WHERE CURB PAINTING IS DESIGNATED, SIDEWALKS & WALKWAYS WILL NOT BE PAINTED.
- 14. THE CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES.
- 15. REFER TO THE FOLLOWING DEFINITIONS FOR THE PLANS & SPECIFICATIONS:
- 15.1. REMOVE: DETACH ITEMS FROM EXISTING CONSTRUCTION & LEGALLY DISPOSE OF THEM OFF-SITE UNLESS INDICATED TO BE REMOVED & SALVAGED OR REMOVED & REINSTALLED.
- 15.2. REMOVE & SALVAGE: CAREFULLY DETACH FROM EXISTING CONSTRUCTION, IN A MANNER TO PREVENT DAMAGE, & DELIVER TO MSU.
- 15.3. REMOVE & REINSTALL: DETACH ITEMS FROM EXISTING CONSTRUCTION, PREPARE FOR REUSE, & REINSTALL WHERE INDICATED

### ABBREVIATIONS

AASHTO AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION ADA AMERICAN DISABILITY ACT

APTS APARTMENTS

ASTM AMERICAN SOCIETY FOR TESTING AND MATERIALS AVENUE

CL CENTERLINE
CP CONTROL POINT
CT COURT
DIA DIAMETER
E. EAST

EA EACH EXISTING GRADE

F FARENHEIT
FGH FAMILY GRADUATE HOUSING

LF LINEAR FEET
MAX MAXIMUM
MIN MINIMUM
MISC MISCELLANEOUS

MPDES MONTANA POLLUTANT DISCHARGE ELIMINATION SYSTEM MPWSS MONTANA PUBLIC WORKS STANDARD SPECIFICATIONS

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NORTH

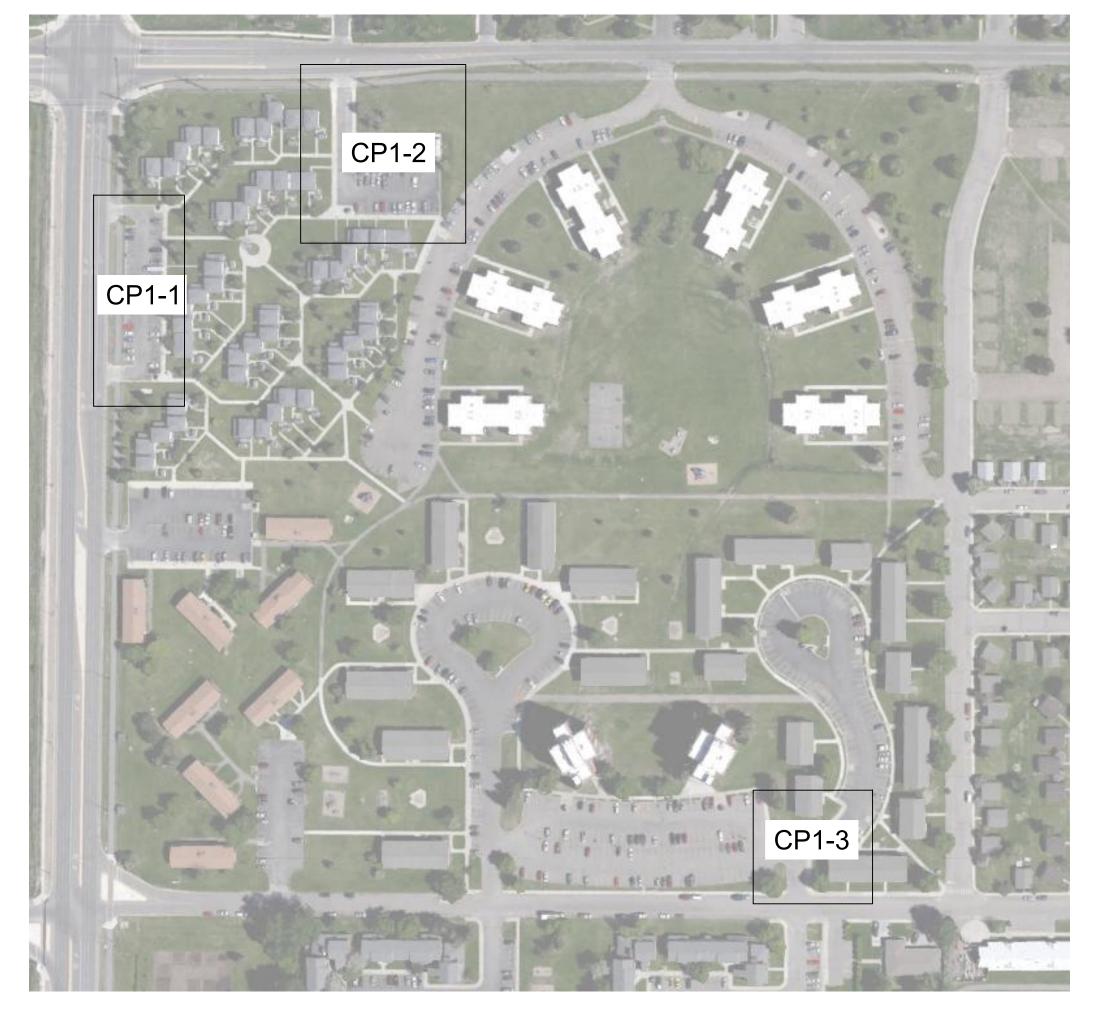
DC PLANNING, DESIGN, AND CONSTRUCTION

S. SOUTH
SD STORM DRAIN
SF SQUARE FEET
ST STREET
SY SQUARE YARDS

SWPPP STORM WATER POLLUTION PREVENTION PLAN

TYP. TYPICAL WEST

### **KEY MAP**



LEGEND

E

- - - OHP - - OHP -

\_\_\_\_\_ \_ \_ \_ FO \_ \_ \_ FO \_ \_\_\_

\_\_\_\_\_ \_ \_ \_ \_ EST \_\_\_\_

EXISTING ELECTRIC PEDESTAL OR JUNCTION BOX

EXISTING OVERHEAD UTILITY POLE

EXISTING LIGHT POLE

T EXISTING TELEPHONE PEDESTAL

S EXISTING MANHOLE COVERS

EXISTING WATER HYDRANT

EXISTING STORM SUMP OR CATCH BASIN

EXISTING WATER VALVE

() EXISTING VEHICLE HEATER BLOCK PLUGINS

EXISTING TREE

EXISTING CURB STOPS

PROPOSED CURB STOPS

EXISTING MAILBOX LOCATION

EXISTING PLAYGROUND

W EXISTING WATER WELL OR PUMPING STATION

EXISTING IRRIGATION WATER VALVE
EXISTING DUMPSTER LOCATION

EXISTING OVERHEAD POWER

EXISTING UNDERGROUND POWER

EXISTING UNDERGROUND GAS

EXISTING UNDERGROUND FIBER

EXISTING SEWER DRAIN

EXISTING SEWER STORM DRAIN

EXISTING WATER LINE

EXISTING CONCRETE HATCH AND CONCRETE EDGE

PROPOSED ASPHALT MILL & OVERLAY HATCH AND EDGE

PROPOSED PARKING STALL STRIPING

PROPOSED "NO PARKING" STRIPING

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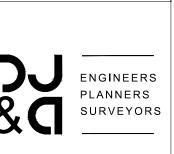
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KEY MAP, NOTES, & LEGEND

> SHEET GP0-1

QUANTITY ESTIMATES			
UNITS	QUANTITY	UNIT	
4" PAINT STRIPING	784	LF	
"NO PARKING" HATCHED DESIGNATION	90	SF	
YELLOW CURB PAINT	45	LF	
RED CURB PAINT	143	LF	
LOT AREA	13,797	SF	

# NON-TYPICAL STALL SIZE. CONTRACTOR TO ALIGN STRIPING WITH 9' STALLS ON EAST SIDE OF LOT

CONTRACTOR TO TAKE CARE-

CONDITION OF ADJACENT

**SAWCUTTING & DEMOLITION** 

4" YELLOW-

TYP.

MANHOLES

YELLOW CURB PAINT

STRIPING 18',

TO PRESERVE GOOD

CONCRETE DURING

TYP.

PROTECT IN PLACE SIGNS, TYP.

PROTECT EXISTING CONCRETE IN TRASH COLLECTION AREA.
CONTRACTOR TO ADD YELLOW STRIPING AT EDGE OF
CONCRETE TO INDICATE NO PARKING.

REMOVE AND REINSTALL CONCRETE WHEEL STOPS SEE DETAIL C5/D

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PROTECT IN PLACE

STORM DRAIN &

**VACUUM STORM** 

CATCH BASIN

9' X 18' PARKING STALLS, TYP. UNLESS OTHERWISE NOTED

-4" YELLOW STRIPING 15.5', TYP.

## NOTES:

1. ALL WHEEL STOPS ARE TO BE EXAMINED WHEN REMOVED. THOSE IN GOOD CONDITION WILL BE REINSTALLED, AND MSU IS TO BE NOTIFIED OF ANY WHEEL STOPS IN POOR CONDITION AND IN NEED OF REPLACEMENT.

(TYP. OF ALL PROJECT AREAS)

PROTECT IN PLACE-

TACKIFIER TO BE APPLIED TO LIP OF— GUTTER AND CONCRETE FLATWORK PRIOR TO PLACEMENT OF OVERLAY

RED CURB PAINT WITH "NO-PARKING FIRE LANE" STENCIL,

MILL & OVERLAY
SECTION PER
DETAIL C5-1/C

-PROTECT IN PLACE ELECTRICAL UNITS, TYP.

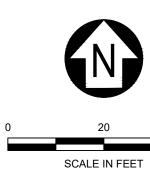
102 MCINTOSH CT

CONTRACTOR TO INSTALL POSTS. MSU TO FURNISH ADA PARKING SIGNS. PLACEMENT APPROX. CONTRACTOR TO VERIFY WITH CLIENT.

CONTRACTOR TO STRIPE "NO PARKING" HATCH AS SHOWN IN PLANS, TYP.

NON-TYPCIAL STALL SIZE. CONTRACTOR
TO ALIGN STRIPING WITH ELECTRICAL
BOX ALONG SIDEWALK.

LPROTECT EXISTING CONCRETE IN TRASH COLLECTION AREA. CONTRACTOR TO ADD YELLOW STRIPING AT EDGE OF CONCRETE TO INDICATE NO PARKING.





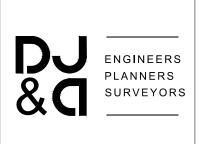
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LAY LOTS

2024



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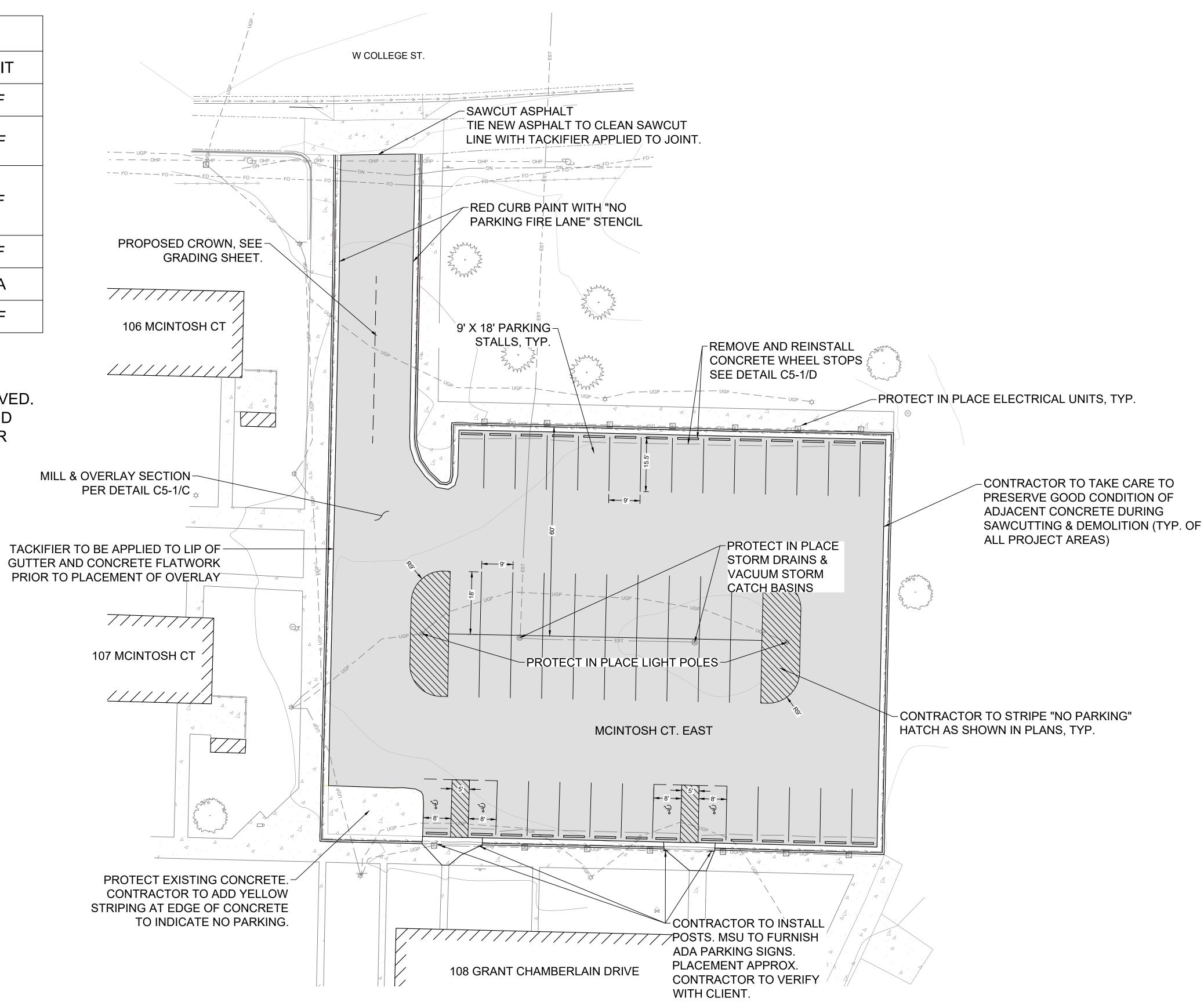
MCINTOSH CT WEST

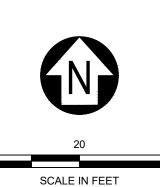
> SHEET CP1-1

QUANTITY ESTIMATES				
UNITS	QUANTITY	UNIT		
4" PAINT STRIPING	1,030	LF		
"NO PARKING" HATCHED DESIGNATION	815	SF		
RED CURB PAINT WITH "NO PARKING FIRE LANE" STENCIL	280	LF		
YELLOW CURB PAINT	43	LF		
SIGN INSTALLATION	4	EA		
LOT AREA	19,860	SF		

# NOTES:

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AY LOTS

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ENGINEERS
PLANNERS
SURVEYORS

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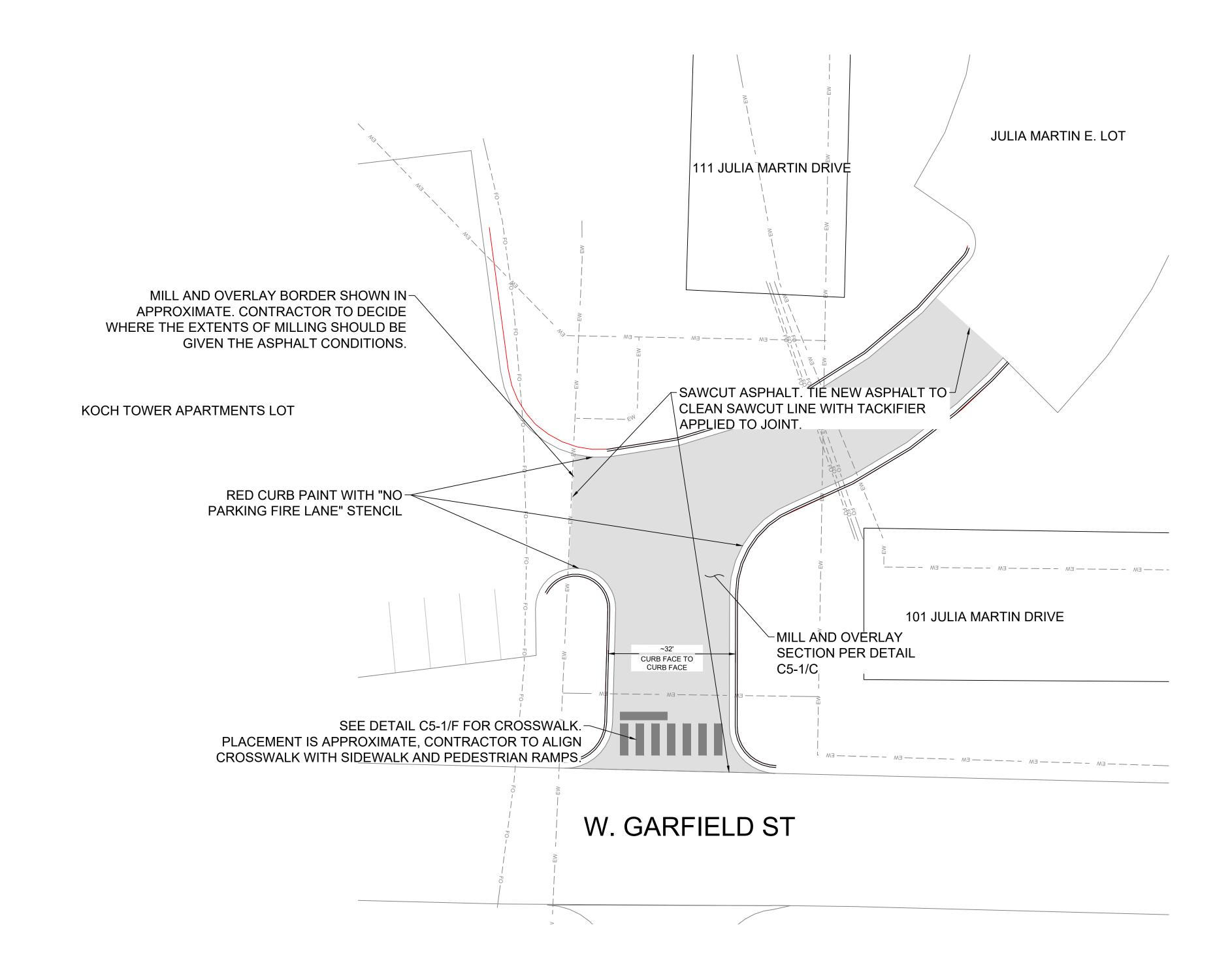
MCINTOSH CT EAST

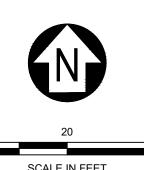
> SHEET CP1-2

QUANTITY ESTIMATES			
UNITS	QUANTITY	UNIT	
RED CURB PAINT	391	LF	
LOT AREA	4,800	SF	

# NOTES:

1. NO DETAILED SURVEY FOR THIS AREA IS AVAILABLE, ALL LINEWORK APPROXIMATE BASED OFF OF MSU GIS DATA AND CITY OF BOZEMAN LIDAR. CONTRACTOR RESPONSIBLE TO VERIFY UTILITY LOCATIONS.





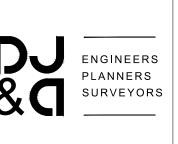


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RLAY LOT

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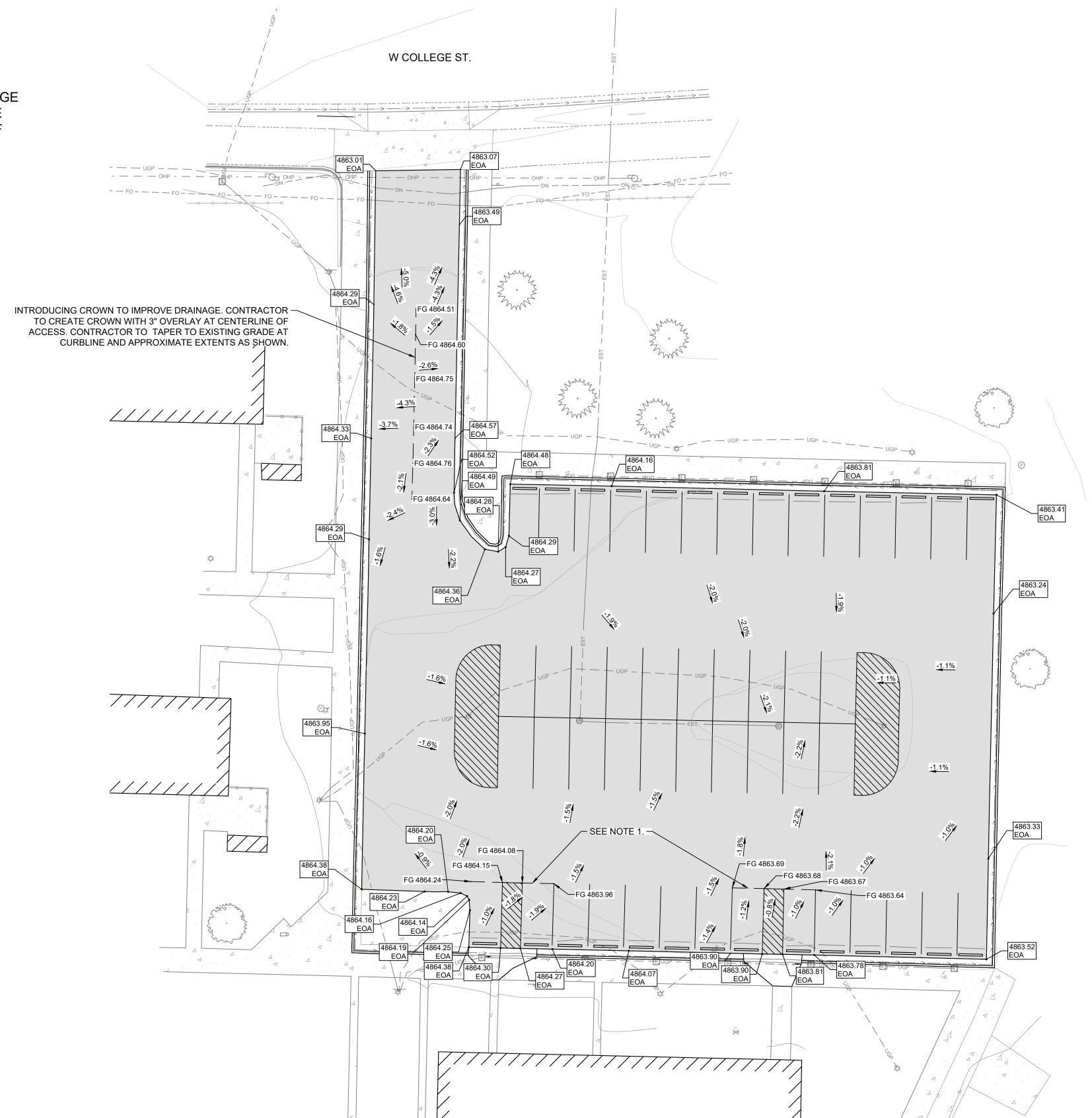
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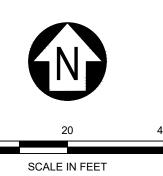
JULIA MARTIN E. DRIVE

> SHEET CP1-3

### NOTES:

1. THICKENING OVERLAY TO 3" ALONG ADA STALLS TO REDUCE SLOPES IN AND AROUND ADA STALLS. CONTRACTOR TO CREATE 3" OVERLAY AT EDGE OF ADA STALLS. CONTRACTOR TO TAPER OVERLAY TO EXISTING GRADE TOWARD THE NEAR CURB, OR TAPER TO STANDARD OVERLAY DEPTH OF 1.5" FOR REST OF PARKING LOT.







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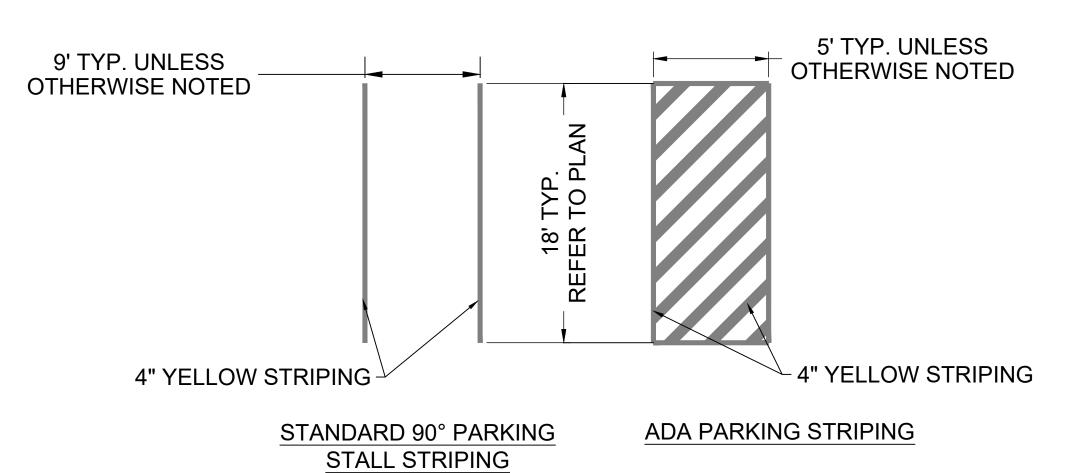
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PLANNERS
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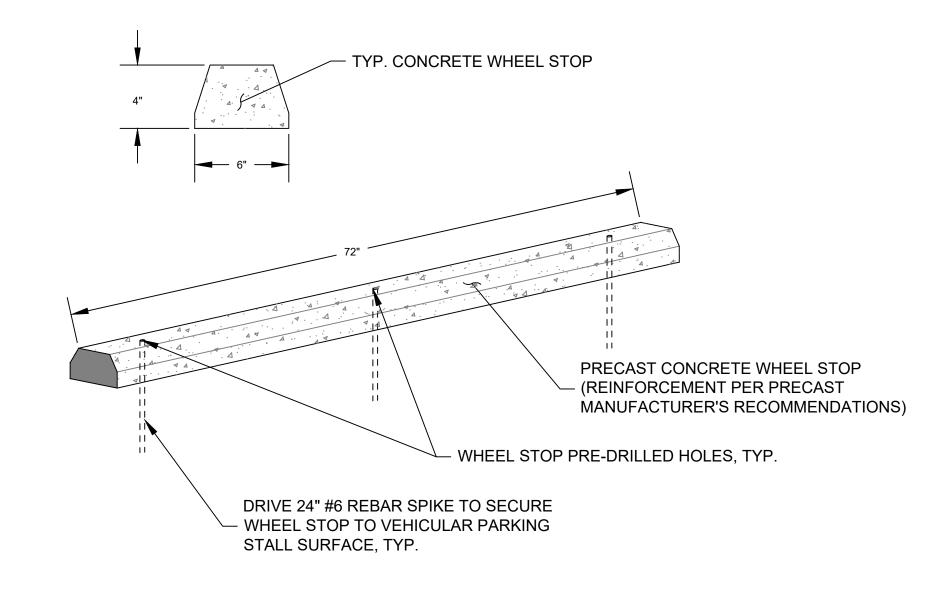
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MCINTOSH CT EAST GRADING

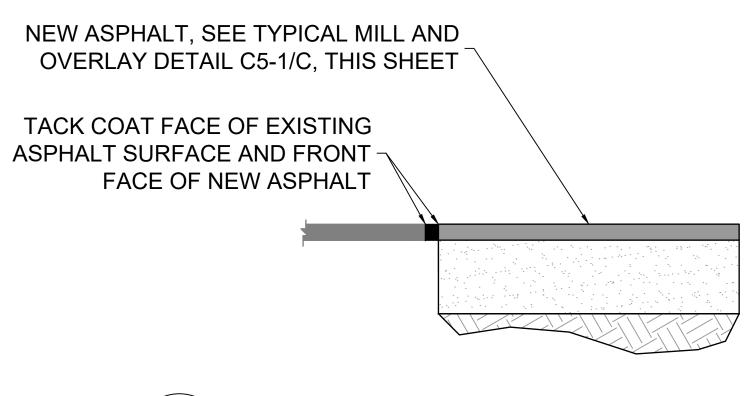
> SHEET CG1-1



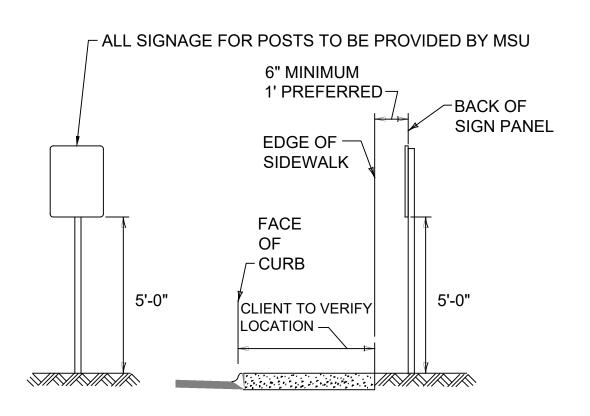
A PARKING LOT STRIPING DETAIL
C5-1 NTS



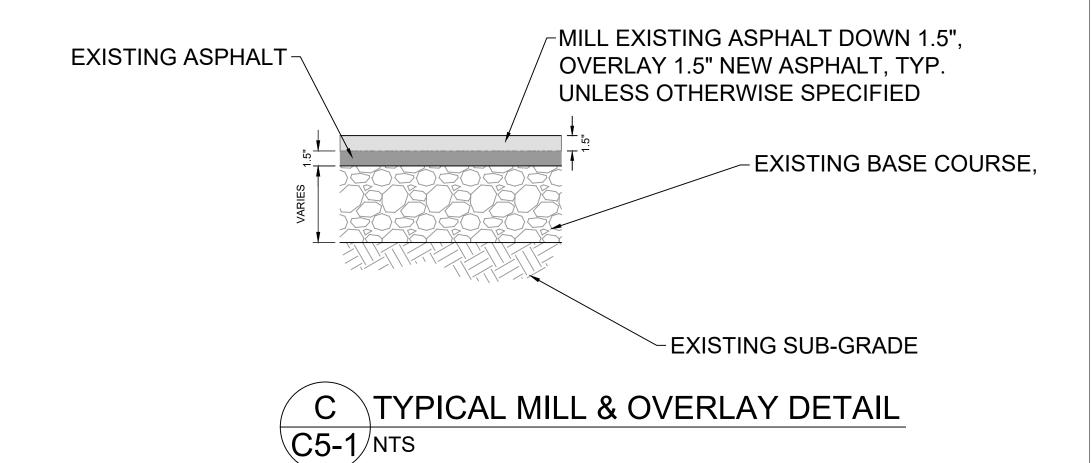
D CONCRETE WHEEL STOP DETAIL
C5-1 NTS

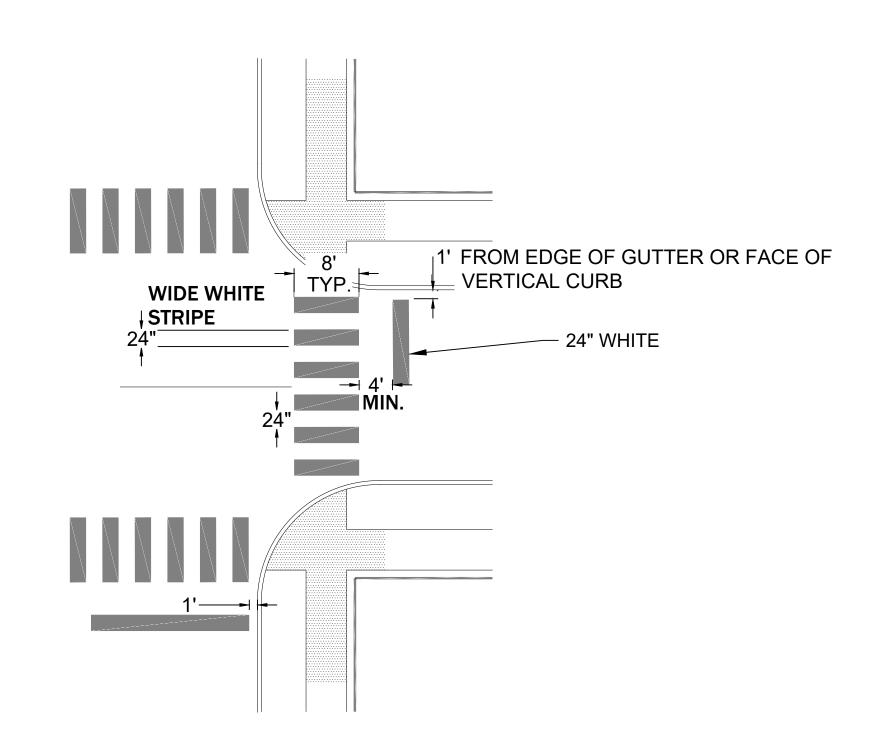


B TYPICAL ASPHALT CUT
C5-1 NTS



E POST INSTALLATION DETAIL
C5-1 NTS





F PEDESTRIAN CROSS WALK MARKINGS & 24" STOP BAR C5-1 NTS



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& OVERLAY LC

ENGINEERS
PLANNERS
SURVEYORS

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SHEET C5-1