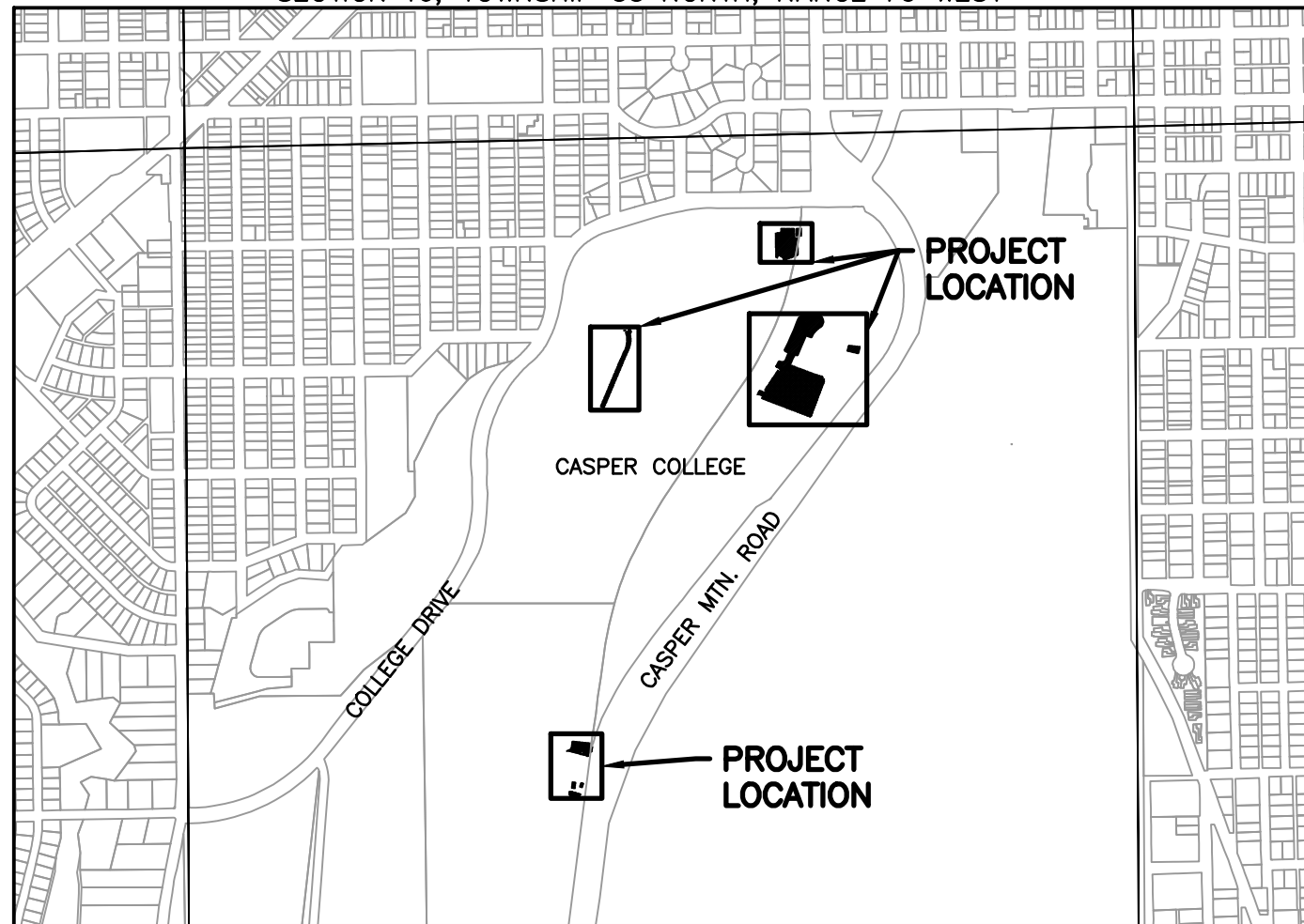


CONSTRUCTION PLANS FOR CASPER COLLEGE 2025 MISC ASPHALT REHABILITATION CASPER, WY

SECTION 16, TOWNSHIP 33 NORTH, RANGE 79 WEST



LOCATION & VICINITY MAP
SCALE: 1"=1000'

LEGEND	
	EX CURB INLET
	EX WATER VALVE
	EX MANHOLE
	PROPOSED STORM LINE
	PROPOSED PERF DRAIN LINE
	EX WATER LINE
	EX POWER LINE
	EX EDGE ASPHALT
	EX EDGE CONCRETE
	EX TBC
	PROPOSED EDGE ASPHALT
	PROPOSED EDGE CONCRETE
	PROPOSED TBC
	PROPOSED CONCRETE FLOW LINE
	PROPOSED CONCRETE PAVING
	PROPOSED ASPHALT PAVING
	PROPOSED MILL AND OVERLAY
DETAIL #	DETAIL DENOTATION
SHEET #	DETAIL DENOTATION

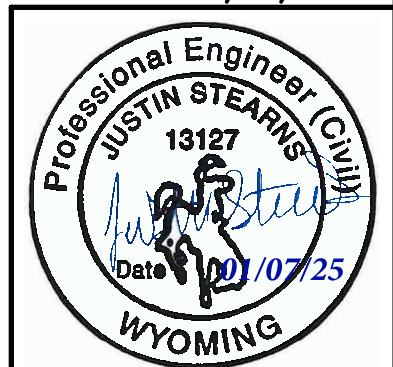
INDEX OF SHEETS

SHEET NO.	PLANS
1	COVER
2	GENERAL NOTES
3	QUANTITY SCHEDULES
4	KEY MAP
5-9	BASE BID PLANS
10-11	ALTERNATE PLANS
12-19	DETAILS
19	TOTAL SHEETS

BID SET 1/07/25



PLANS PREPARED BY WLC
PROJECT ENGINEER: JUSTIN STEARNS, PE
200 PRONGHORN ST
CASPER, WY 82601
PHONE: 307-266-2524



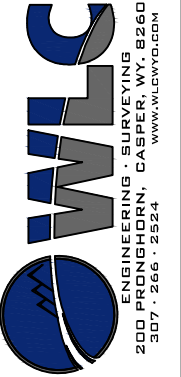
GENERAL NOTES

EXISTING UNDERGROUND UTILITIES

EXISTING UNDERGROUND UTILITIES MAY NOT BE SHOWN ON THE DRAWINGS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ACCURATE LOCATIONS OF ALL UNDERGROUND UTILITIES AND APPURTENANCES THAT COULD BE AFFECTED BY THE WORK AT LEAST THREE(3) DAYS PRIOR TO CONSTRUCTION. IF CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND ASSIST IN DEVELOPING A PLAN TO REMEDY THE CONFLICT. LOCATIONS MAY BE OBTAINED BY PRELIMINARY EXCAVATION OR "POTHOLING". THE ENGINEER AND OWNER SHALL NOT BE HELD ACCOUNTABLE FOR THE COMPLETENESS OR ACCURACY OF THE UTILITY LOCATIONS. THE CONTRACTOR SHALL NOTIFY THE LOCATE CALL CENTER (WYOMING ONE-CALL 1-800-849-2476) AND SHALL FIELD VERIFY THE LOCATION OF ALL UTILITIES IN THE PROJECT AREA PRIOR TO CONSTRUCTION ACTIVITIES.

MISCELLANEOUS

- (1) THE CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL MEASURES AS NECESSARY TO COMPLY WITH FEDERAL, STATE, COUNTY, AND CITY REGULATIONS INCLUDING WYPDES THAT PROHIBIT DISCHARGE OF POLLUTANTS, INCLUDING SEDIMENTS THAT ARE A RESULT OF EROSION OR OTHER CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL PROVIDE DUST CONTROL AND SHALL CONDUCT WORK SO THAT SEDIMENT IS NOT TRANSPORTED ONTO THE ROADWAY OR ADJACENT PROPERTY.
- (2) ALL CONCRETE SHALL HAVE MACRO FIBER REINFORCEMENT PER SPECIFICATIONS.
- (3) THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND SAFETY OF HIS WORK AT ALL TIMES AND ADHERE TO OSHA STANDARDS AT ALL TIMES.
- (4) CONTRACTOR SHALL RETURN ANY DISTURBED LANDSCAPE AREAS TO BEFORE CONSTRUCTION CONDITIONS. ANY DISTURBED GRASS AREAS SHALL BE REPLACED WITH SOD. PLACING OF SEED WILL NOT BE ALLOWED UNDER ANY CIRCUMSTANCE.
- (5) TAKE CARE NOT TO DISTURB ANY EXISTING IRRIGATION. ANY DISTURBED IRRIGATION HEADS OR LINES SHALL BE REPLACED BY THE CONTRACTOR.
- (6) CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL EROSION CONTROL AND STORM WATER POLLUTION PREVENTION MEASURES DURING CONSTRUCTION.
- (7) CONTRACTOR IS RESPONSIBLE FOR PREPARING, IMPLEMENTING, AND MAINTAINING ALL TRAFFIC CONTROL PLANS AND MEASURES TO MEET ALL MUTCD STANDARDS. COORDINATE WITH CASPER COLLEGE FACILITIES DEPARTMENT FOR ALL ROAD AND PARKING LOT CLOSURES AT LEAST ONE WEEK BEFORE PLANNED CLOSURE.
- (8) ALL MILL TAILINGS SHALL BE DELIVERED TO OWNER AT A PREDETERMINED ONSITE LOCATION.
- (9) ALL OTHER REMOVED MATERIALS INCLUDING CONCRETE, REBAR, ASPHALT, BASE COURSE, AND OVER EXCAVATED SUBGRADE SOILS SHALL BE HAULED OFF AND DISPOSED OF BY CONTRACTOR.
- (10) CONTRACTOR SHALL REVIEW ALL PROJECT SPECIFICATIONS.
- (11) MATERIALS TESTING SHALL BE PROVIDED BY THE OWNER. CONTRACTOR TO COORDINATE TESTING PER THE SPECIFICATIONS.
- (12) ANY DAMAGE TO SURROUNDING IMPROVEMENTS NOT SPECIFIED FOR REPLACEMENT SHALL BE RESTORED TO PREEXISTING CONDITIONS BY THE CONTRACTOR AT NO COST TO THE OWNER.
- (13) CONTRACTOR TO REFER TO PROJECT SPECIFICATIONS FOR ALL CONSTRUCTION, MATERIALS, AND INSTALLATION REQUIREMENTS.



W.O. No.: 18044
Book No.:
Drwg. By: JLS
Chk. By: BDH
Acad. File: CC 2025 ASPHALT DESIGN.dwg

FOR: CASPER COLLEGE
FACILITY OPERATIONS

REVISIONS

2025 CC ASPHALT REHAB
GENERAL NOTES
CASPER COLLEGE CAMPUS

SHEET NO.
2

DATE: 1/07/25

NOTES:

- 1) QUANTITIES SHOWN ON THIS SHEET ARE PROVIDED FOR REFERENCE ONLY AND NOT TO BE USED FOR BIDDING PURPOSES. CONTRACTOR SHALL PERFORM QUANTITY TAKEOFFS PRIOR TO BIDDING. ENGINEER IS NOT LIABLE FOR DISCREPANCIES BETWEEN QUANTITIES PRESENTED HERE AND ACTUAL INSTALLED QUANTITIES.
- 2) PARKING LOT STRIPING ITEM SHALL INCLUDE ALL PARKING STALL LINES, ADA SYMBOLS, CENTERLINE STRIPING, STOP BARS, AND NO PARKING ZONES REQUIRED TO STRIPE THE PARKING LOTS TO MATCH EXISTING LAYOUT.

AREA 1			
ITEM NO.	ITEM	UNIT	ESTIMATED QUANTITY
1	MOBILIZATION	LS	1
2	TRAFFIC CONTROL	LS	1
3	REMOVE EX ASPHALT/BASE	SY	1090
4	REMOVE EX CONCRETE VALLEY PAN	SY	110
5	ROAD GRADING	CY	100
4	4" ASPHALT	SY	1200
5	8" GRADING W BASE COURSE	SY	1200
6	SEPARATION FABRIC	SY	1200
7	TYPE B C&G	LF	250
8	R&R CURBWALK	LF	10
9	R&R STONE WALL	LF	10
10	6" WALL DRAIN PIPE	LF	60
11	6" PVC STORM PIPE	LF	470
12	DOUBLE YELLOW STRIPING	LF	410
13	CONNECT TO EX INLET	EA	1

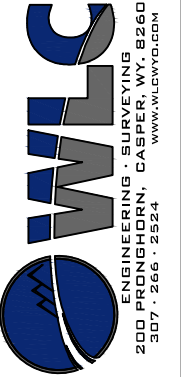
AREA 2			
ITEM NO.	ITEM	UNIT	ESTIMATED QUANTITY
1	MOBILIZATION	LS	1
2	MILL AND OVERLAY	SY	7200
3	CRACK SEAL	LB	5000
4	PARKING LOT STRIPING	LF	4200
5	FULL DEPTH REPAIR	SY	730

AREA 3			
ITEM NO.	ITEM	UNIT	ESTIMATED QUANTITY
1	MOBILIZATION	LS	1
2	TRAFFIC CONTROL	LS	1
3	REMOVE EX ASPHALT	SY	2530
4	4" ASPHALT	SY	2440
5	8" GRADING W BASE COURSE	SY	2440
6	SEPARATION FABRIC	SY	2440
7	7" CONCRETE VALLEY PAN	SY	90
8	4" GRADING W BASE COURSE	SY	90
9	PARKING LOT STRIPING	LF	1300

AREA 4			
ITEM NO.	ITEM	UNIT	ESTIMATED QUANTITY
1	MOBILIZATION	LS	1
2	TRAFFIC CONTROL	LS	1
3	REMOVE EX ASPHALT	SY	2290
4	4" ASPHALT	SY	2250
5	8" GRADING W BASE COURSE	SY	2250
6	SEPARATION FABRIC	SY	2250
7	7" CONCRETE VALLEY PAN	SY	40
8	4" GRADING W BASE COURSE	SY	40
9	PARKING LOT STRIPING	LF	1900
10	CLEANOUT EX INLET BOX	EA	1

ALTERNATE 1			
ITEM NO.	ITEM	UNIT	ESTIMATED QUANTITY
1	MOBILIZATION	LS	1
2	TRAFFIC CONTROL	LS	1
3	REMOVE EX ASPHALT	SY	635
4	4" ASPHALT	SY	280
5	8" GRADING W BASE COURSE	SY	280
6	6" CONCRETE	SY	290
7	6" GRADING W BASE COURSE	SY	290
8	SEPRATION FABRIC	SY	570
9	7" CONCRETE VALLEY PAN	SY	65
10	4" GRADING W BASE COURSE	SY	65
11	PARKING LOT STRIPINGS	LF	500

ALTERNATE 2			
ITEM NO.	ITEM	UNIT	ESTIMATED QUANTITY
1	MOBILIZATION	LS	1
2	TRAFFIC CONTROL	LS	1
3	REMOVE EX ASPHALT/BASE	SY	1100
4	4" ASPHALT	SY	975
5	8" GRADING W BASE COURSE	SY	975
6	6" CONCRETE	SY	125
7	6" GRADING W BASE COURSE	SY	125
8	SEPARATION FABRIC	SY	1100
9	PARKING LOT STRIPING	LF	1100



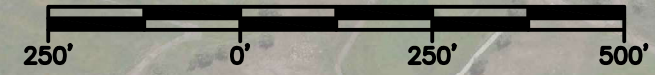
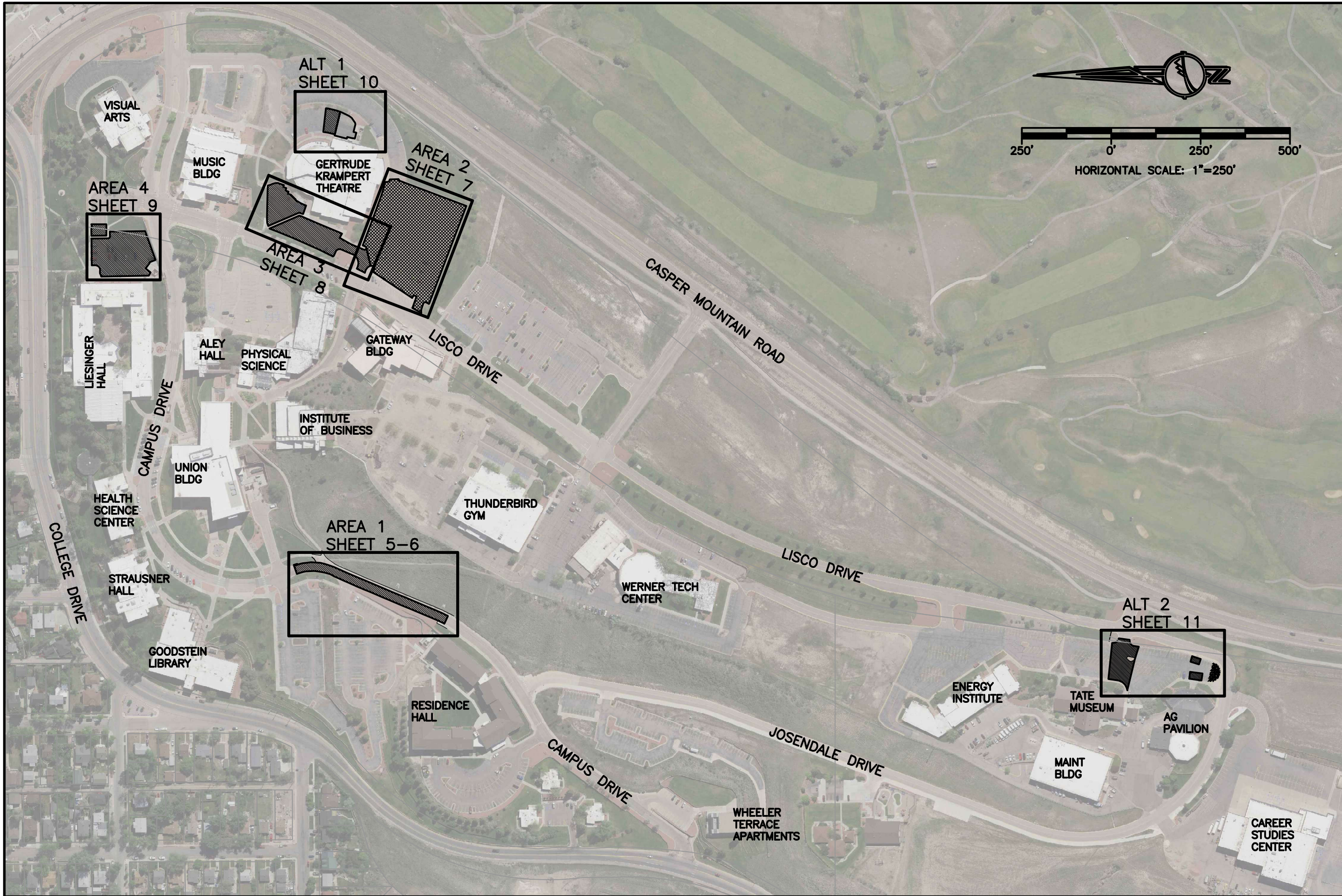
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 Book No.:
 JLS BDH CC 2025 ASPHALT DESIGN.dwg
 Drwg. By: JLS
 Chk. By: BDH
 Acad. File:
 FOR: CASPER COLLEGE FACILITY OPERATIONS

REVISIONS

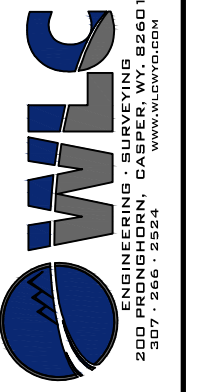
2025 CC ASPHALT REHAB
 ESTIMATED QUANTITIES
 CASPER COLLEGE CAMPUS

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HORIZONTAL SCALE: 1"=250'



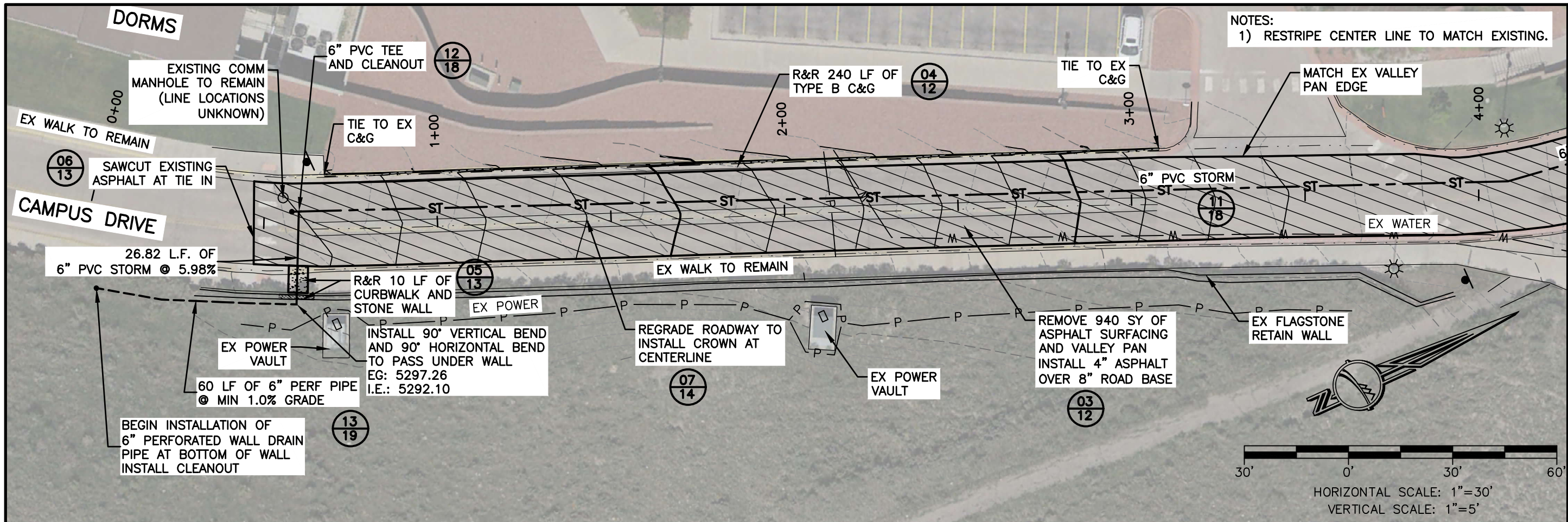
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Chk. By: BDH Book No.:
Acad File: CC 2025 ASPHALT DESIGN.dwg
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FACILITY OPERATIONS

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2025 CC ASPHALT REHAB
KEY MAP
CASPER COLLEGE CAMPUS

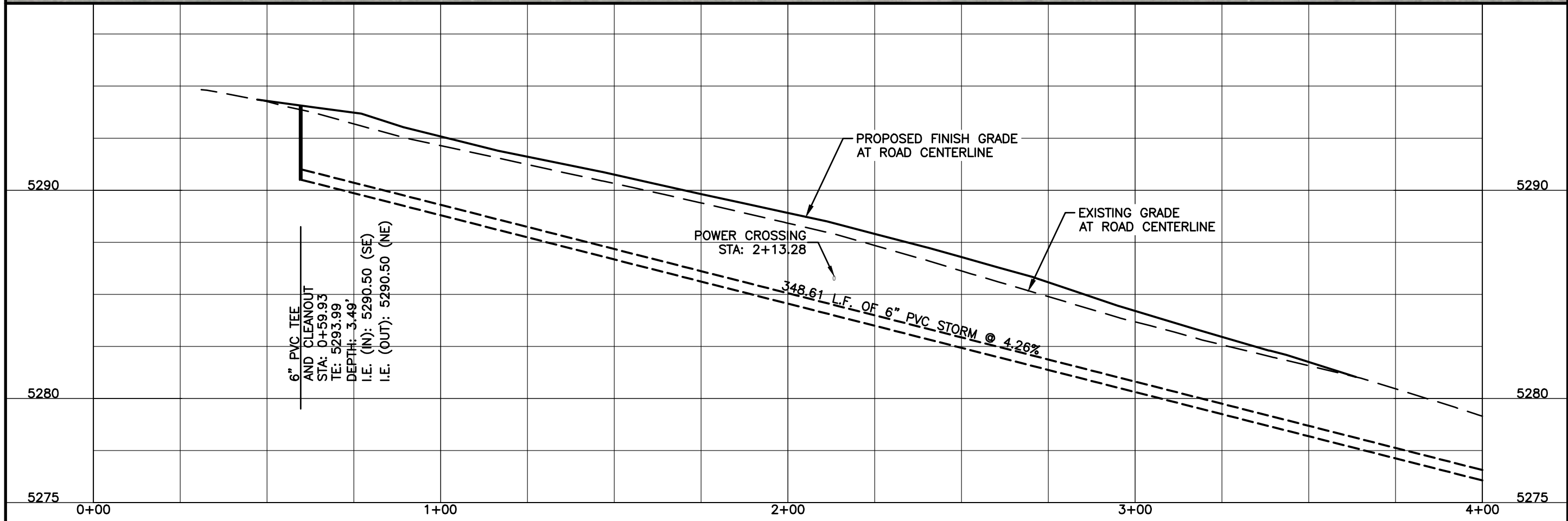
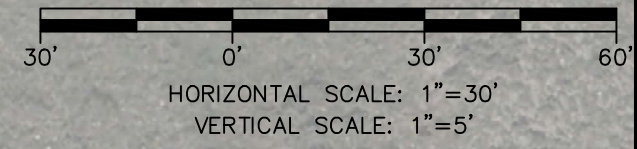
SHEET NO.
4
DATE:
1/07/25



NOTES:
1) RESTRIPE CENTER LINE TO MATCH EXISTING.



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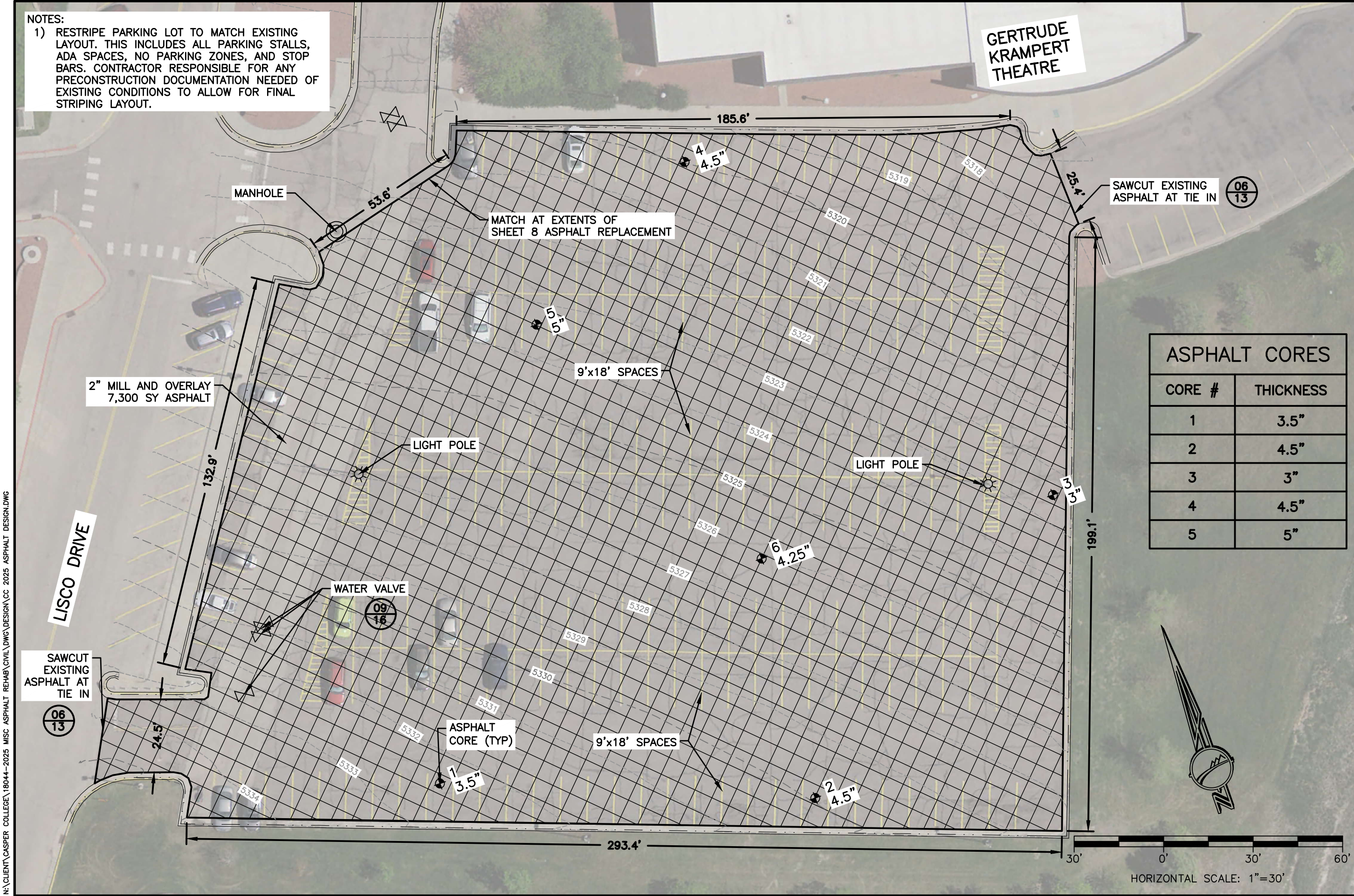
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CAMPUS DRIVE IMPROVEMENTS
CASPER COLLEGE CAMPUS

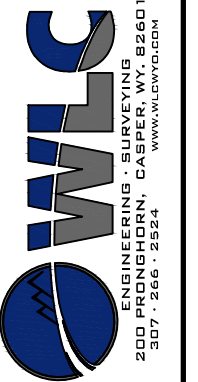
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DATE: 1/07/25

NOTES:

1) RESTRIPE PARKING LOT TO MATCH EXISTING LAYOUT. THIS INCLUDES ALL PARKING STALLS, ADA SPACES, NO PARKING ZONES, AND STOP BARS. CONTRACTOR RESPONSIBLE FOR ANY PRECONSTRUCTION DOCUMENTATION NEEDED OF EXISTING CONDITIONS TO ALLOW FOR FINAL STRIPING LAYOUT.



ASPHALT CORES	
CORE #	THICKNESS
1	3.5"
2	4.5"
3	3"
4	4.5"
5	5"



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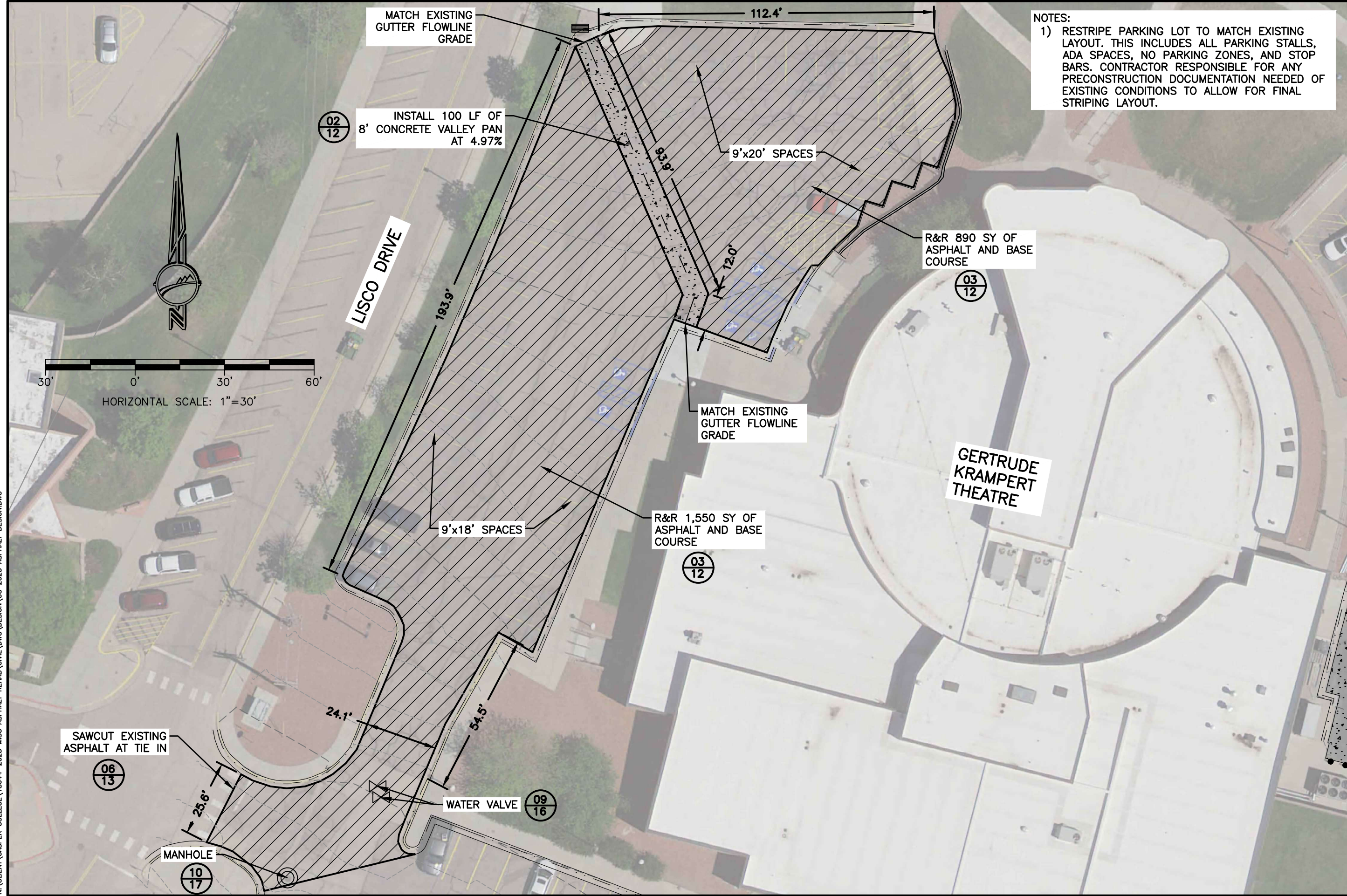
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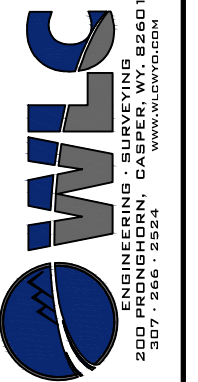
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 GATEWAY PARKING LOT IMPROVEMENTS
 CASPER COLLEGE CAMPUS
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NOTES:
 1) RESTRIPE PARKING LOT TO MATCH EXISTING LAYOUT. THIS INCLUDES ALL PARKING STALLS, ADA SPACES, NO PARKING ZONES, AND STOP BARS. CONTRACTOR RESPONSIBLE FOR ANY PRECONSTRUCTION DOCUMENTATION NEEDED OF EXISTING CONDITIONS TO ALLOW FOR FINAL STRIPING LAYOUT.



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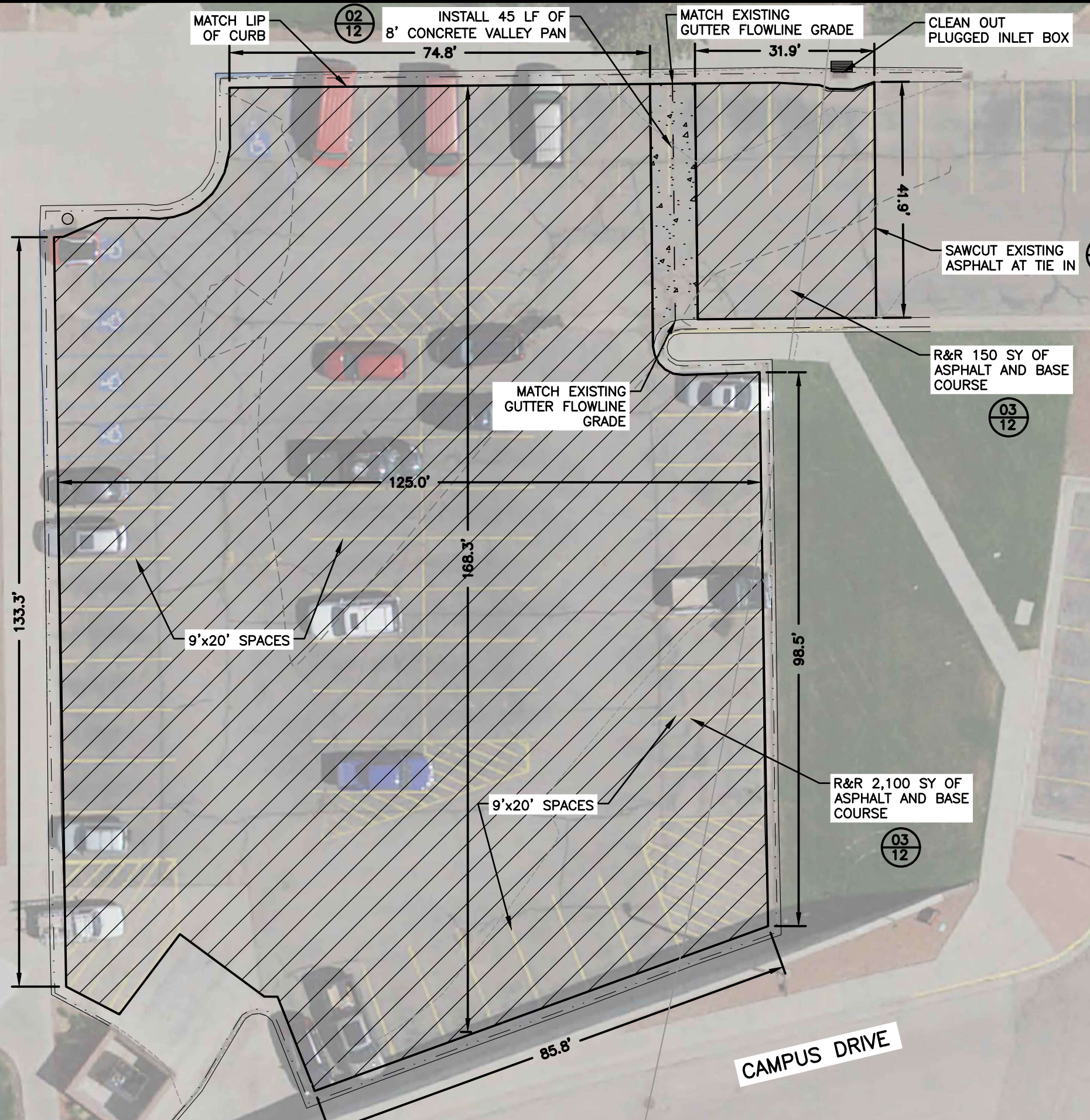
No.	Description
02	12
03	12
06	13
09	16
10	17

2025 CC ASPHALT REHAB
 AREA 3
 GETRUDE KRAMPERT WEST PARKING LOT IMPROVEMENTS
 CASPER COLLEGE CAMPUS

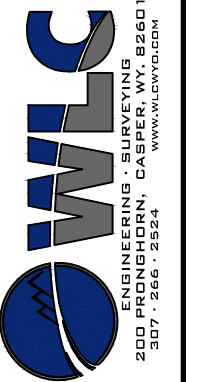
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 DATE: 1/07/25

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LIESINGER HALL



NOTES:
 1) RESTRIPE PARKING LOT TO MATCH EXISTING LAYOUT. THIS INCLUDES ALL PARKING STALLS, ADA SPACES, NO PARKING ZONES, AND STOP BARS. CONTRACTOR RESPONSIBLE FOR ANY PRECONSTRUCTION DOCUMENTATION NEEDED OF EXISTING CONDITIONS TO ALLOW FOR FINAL STRIPING LAYOUT.



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 FOR: CASPER COLLEGE FACILITY OPERATIONS

REVISIONS

NO.	DESCRIPTION

2025 CC ASPHALT REHAB AREA 4
 LIESINGER HALL PARKING LOT IMPROVEMENTS
 CASPER COLLEGE CAMPUS

SHEET NO. 9
 DATE: 1/07/25

GERTRUDE
KRAMPERT
THEATRE

MATCH EXISTING
GUTTER FLOWLINE
GRADE

MATCH LIP
OF CURB

MATCH CONCRETE
TRASH PAD

06
13 SAWCUT EXISTING
ASPHALT AT TIE IN

9'x18' SPACES

R&R 280 SY OF
ASPHALT AND BASE
COURSE

MATCH LIP
OF CURB

MATCH EXISTING
GUTTER FLOWLINE
GRADE

INSTALL 70 LF OF
8' CONCRETE VALLEY PAN

REMOVE 300 SY
OF ASPHALT AND BASE
REPLACE WITH CONCRETE
SURFACING SECTION

03
12

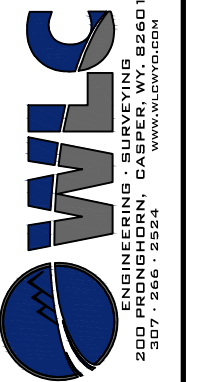
02
12

01
12

08
15

NOTES:

1) RESTRIPE PARKING LOT TO MATCH EXISTING LAYOUT. THIS INCLUDES ALL PARKING STALLS, ADA SPACES, NO PARKING ZONES, AND STOP BARS. CONTRACTOR RESPONSIBLE FOR ANY PRECONSTRUCTION DOCUMENTATION NEEDED OF EXISTING CONDITIONS TO ALLOW FOR FINAL STRIPING LAYOUT.



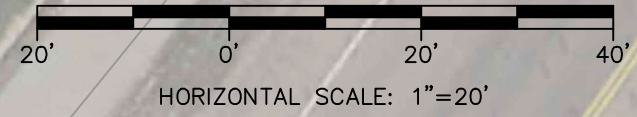
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FACILITY OPERATIONS

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2025 CC ASPHALT REHAB
ALTERNATE 1
GETRUDE KRAMPERT EAST PARKING LOT IMPROVEMENTS
CASPER COLLEGE CAMPUS

SHEET NO.
10

DATE:
1/07/25



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GRACE WERNER AGRICULTURAL PAVILION

TATE MUSEUM

NOTES:
1) RESTRIPE PARKING LOT TO MATCH EXISTING LAYOUT. THIS INCLUDES ALL PARKING STALLS, ADA SPACES, NO PARKING ZONES, AND STOP BARS. CONTRACTOR RESPONSIBLE FOR ANY PRECONSTRUCTION DOCUMENTATION NEEDED OF EXISTING CONDITIONS TO ALLOW FOR FINAL STRIPING LAYOUT.

REMOVE 125 SY OF ASPHALT REPLACE WITH CONCRETE SURFACING

R&R 80 SY OF FAILING ASPHALT SURFACING

R&R 850 SY OF FAILING ASPHALT SURFACING

R&R 45 SY OF FAILING ASPHALT SURFACING

SAWCUT EXISTING ASPHALT AT TIE IN (TYPICAL)

01
12

03
12

06
13

03
12

06
13

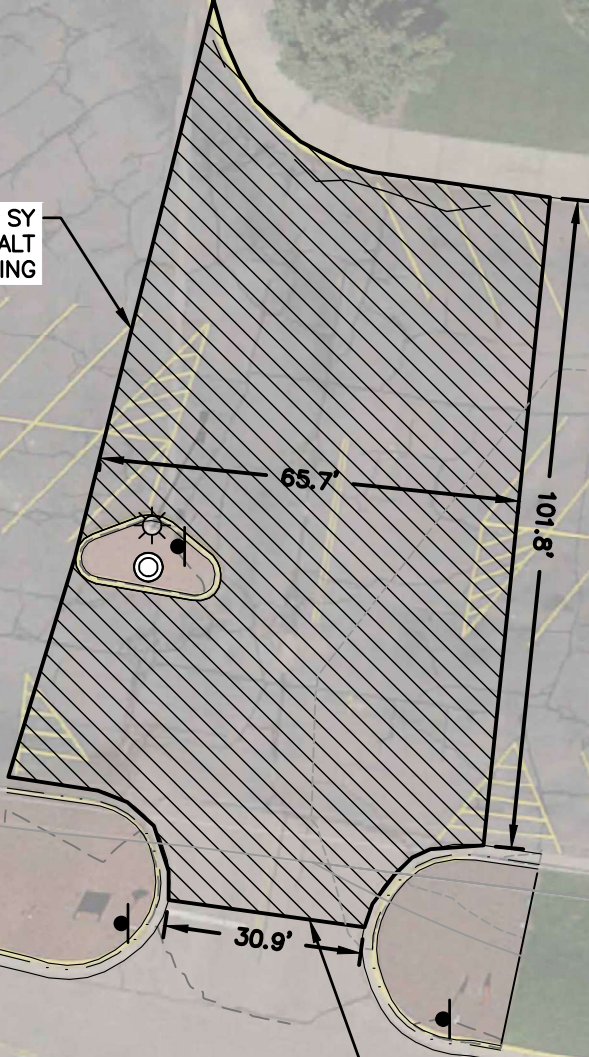
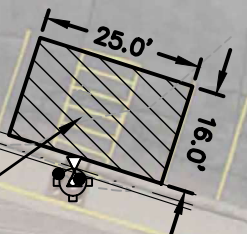
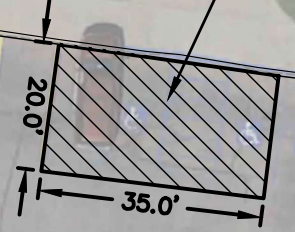
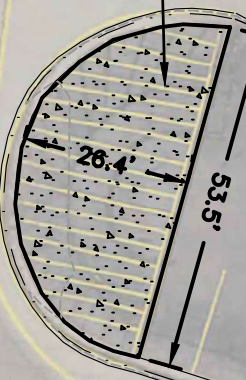
03
12

06
13

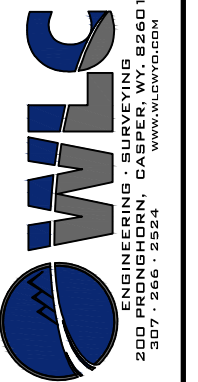
06
13

CASPER MOUNTAIN ROAD

LISCO DRIVE



HORIZONTAL SCALE: 1"=30'

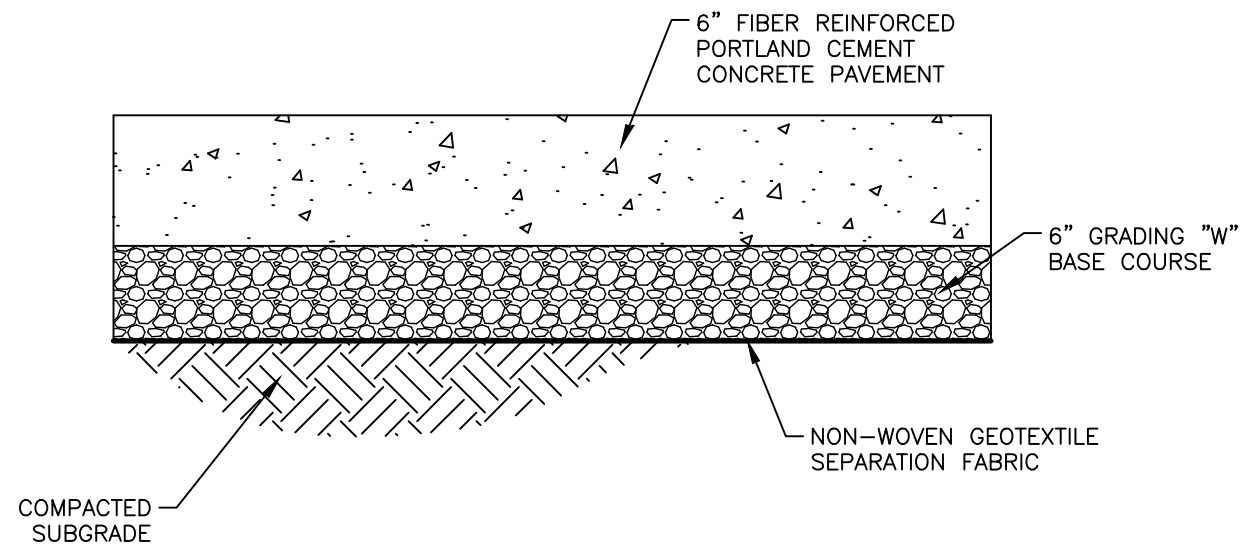


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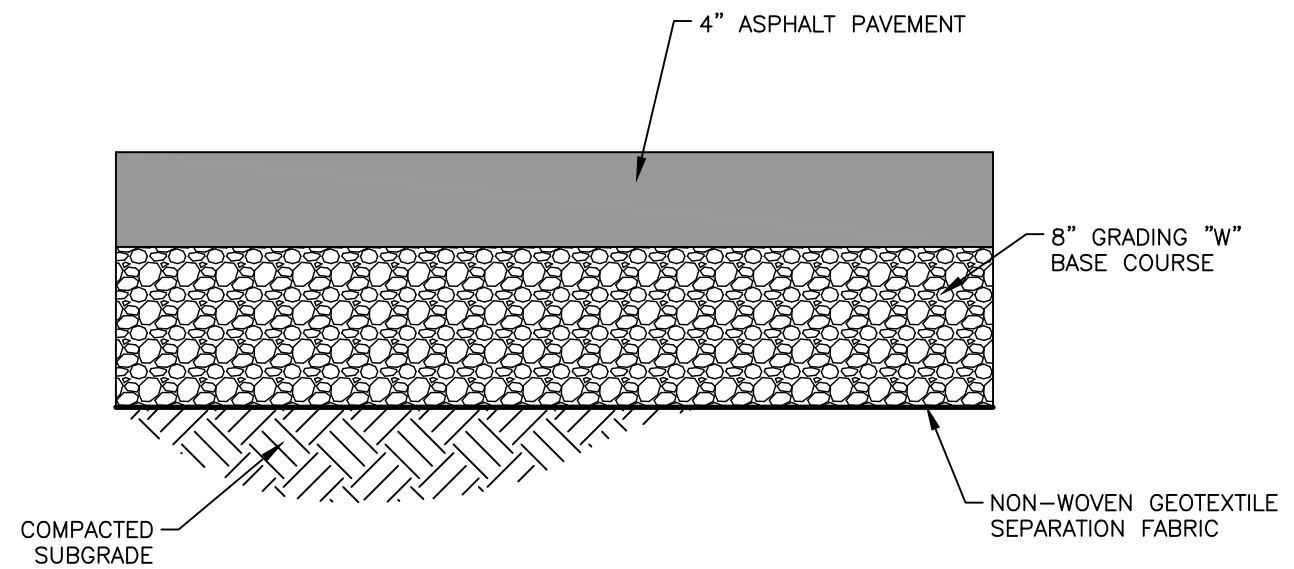
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GRACE WERNER PARKING LOT IMPROVEMENTS
CASPER COLLEGE CAMPUS

SHEET NO. 11
DATE: 1/07/25



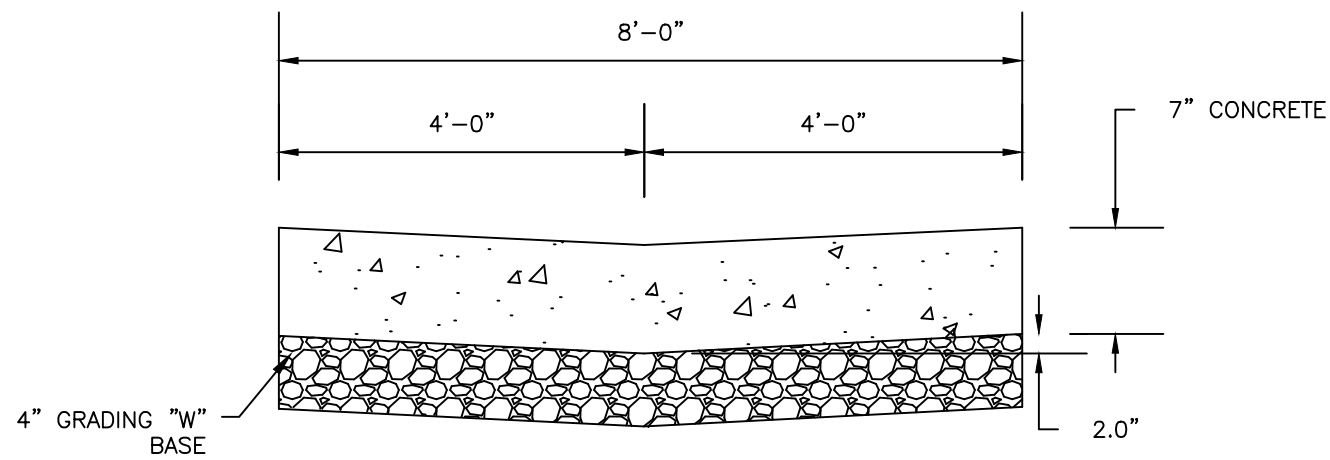
01

**CONCRETE PAVEMENT
TYPICAL SECTION
NOT TO SCALE**



03

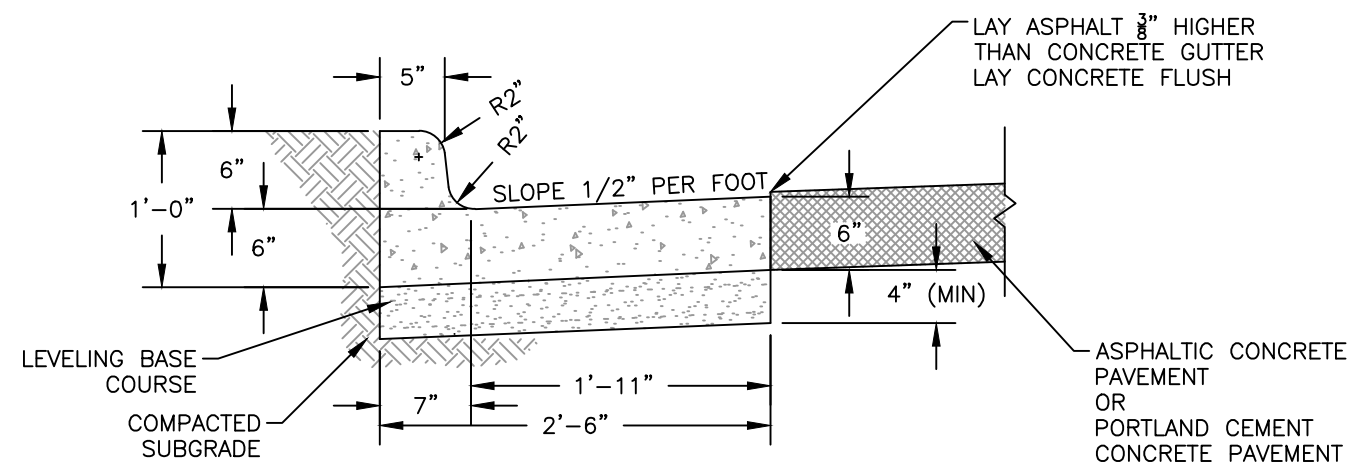
**ASPHALT PAVING
TYPICAL SECTION
NOT TO SCALE**



02

**VALLEY PAN
TYPICAL SECTION
NOT TO SCALE**

- NOTES:
1) VALLEY GUTTERS SHALL BE REINFORCED WITH POLYPROPYLENE FIBERS OR #4 REBAR AT 18" ON CENTER EACH WAY.



04

**CURB AND GUTTER
TYPICAL SECTION
NOT TO SCALE**



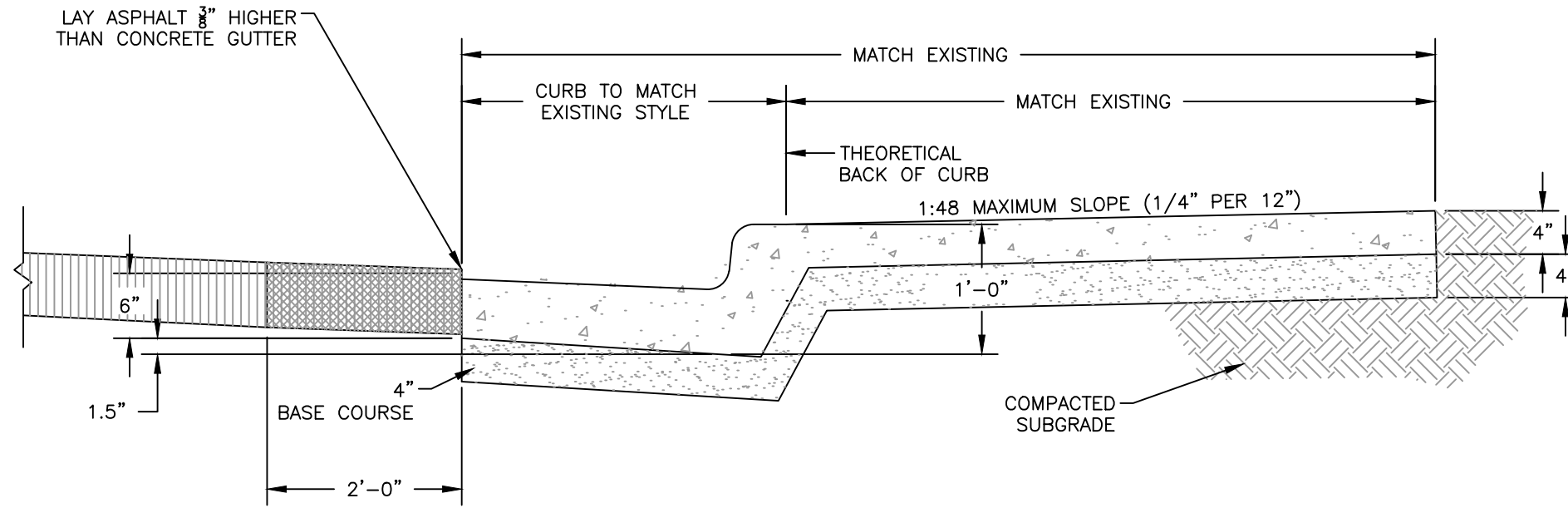
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Book No.:
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BDH
CC 2025 ASPHALT DESIGN.dwg
FOR: CASPER COLLEGE
FACILITY OPERATIONS

REVISIONS

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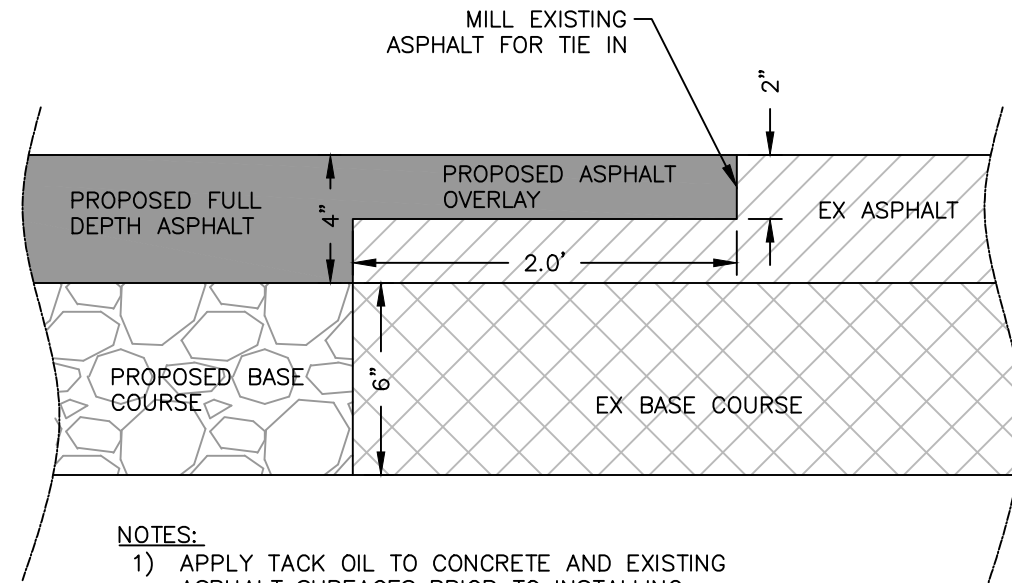
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DETAILS-1
GRACE WERNER PARKING LOT IMPROVEMENTS
CASPER COLLEGE CAMPUS

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05

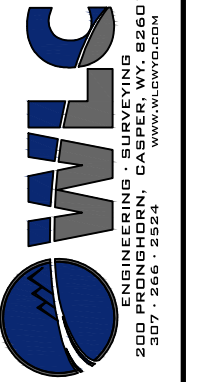
**CURBWALK
TYPICAL SECTION
NOT TO SCALE**



NOTES:
1) APPLY TACK OIL TO CONCRETE AND EXISTING ASPHALT SURFACES PRIOR TO INSTALLING OVERLAY.

06

**ASPHALT TO
ASPHALT TIE IN
NOT TO SCALE**



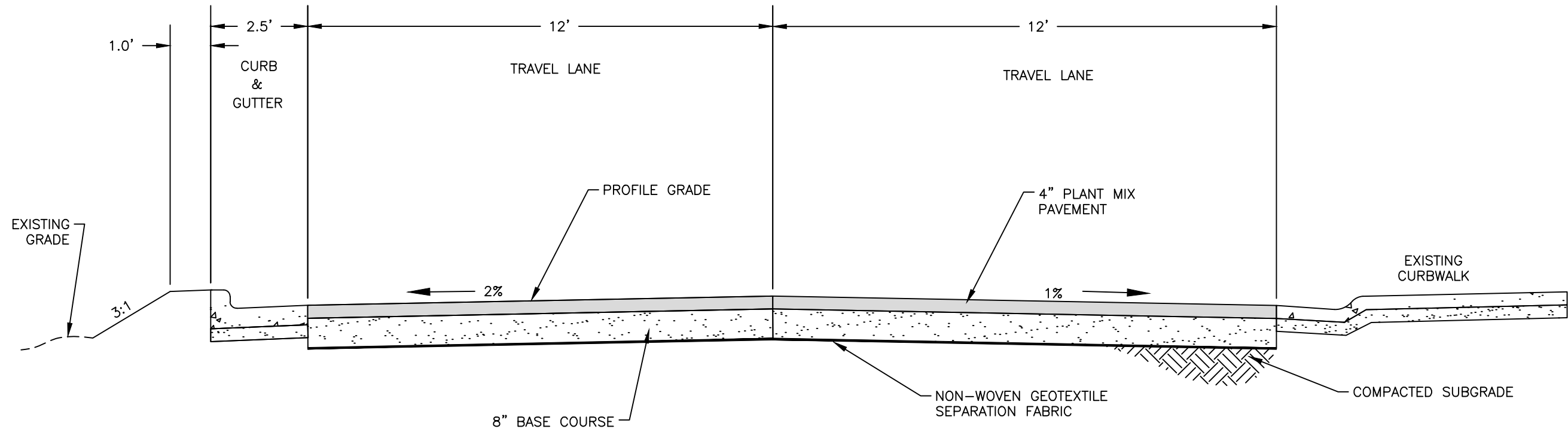
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 Chk. By: BDH
 Acad. File:
 FOR: CASPER COLLEGE
 FACILITY OPERATIONS

REVISIONS

2025 CC ASPHALT REHAB
 DETAILS-2
 GRACE WERNER PARKING LOT IMPROVEMENTS
 CASPER COLLEGE CAMPUS

SHEET NO.
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CAMPUS DRIVE
TYPICAL SECTION
 NOT TO SCALE

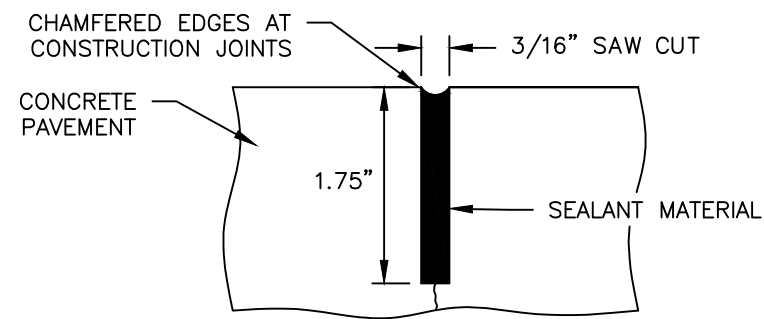


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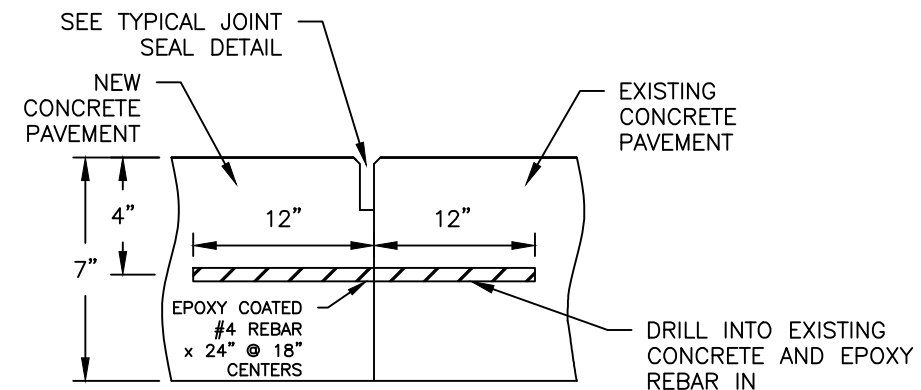
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 DETAILS-3
 GRACE WERNER PARKING LOT IMPROVEMENTS
 CASPER COLLEGE CAMPUS

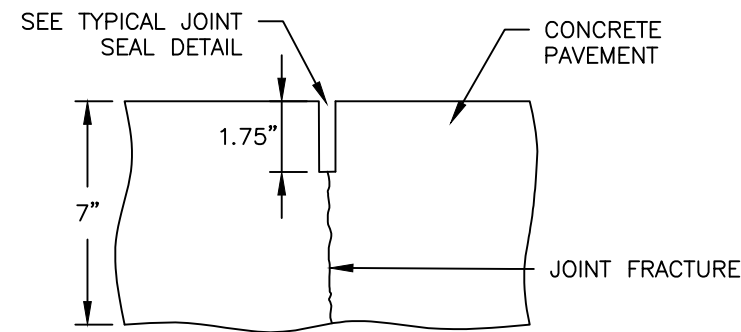
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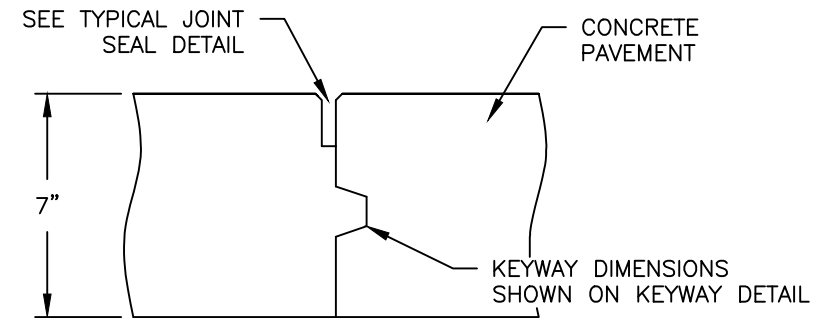
HOT Poured ELASTIC JOINT SEAL (TYPICAL)



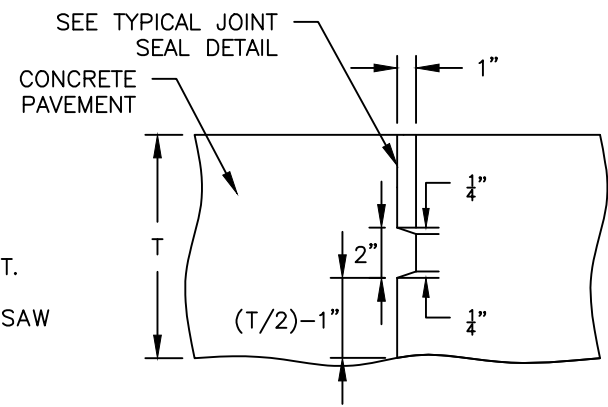
TIE TO EXISTING CONCRETE JOINT



TYPE (A) WEAKENED PLANE JOINT



TYPE (D) CONSTRUCTION JOINT

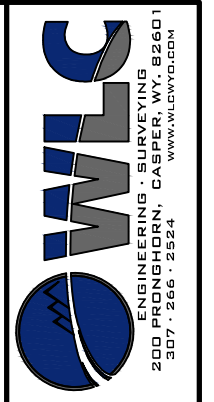


TYPICAL KEYWAY DETAIL

GENERAL NOTES
 MINIMUM JOINT LENGTH IS 2 ft.
 MINIMUM SLAB LENGTH IS 6 ft.
 BEGIN PLACING REBAR 3 in. FROM EDGE OF PAVEMENT AND PERPENDICULAR TO THE JOINT.
 WHEN TRANSVERSE JOINTS DO NOT FRACTURE IN THE JOINT AT THE EDGE OF THE SLAB, SAW DEPTH MAY BE INCREASED AS APPROVED BY THE ENGINEER.
 DO NOT EXCEED 15 ft. JOINT SPACING FOR PAVEMENT SECTIONS.

08 CONCRETE PAVEMENT JOINT DETAILS

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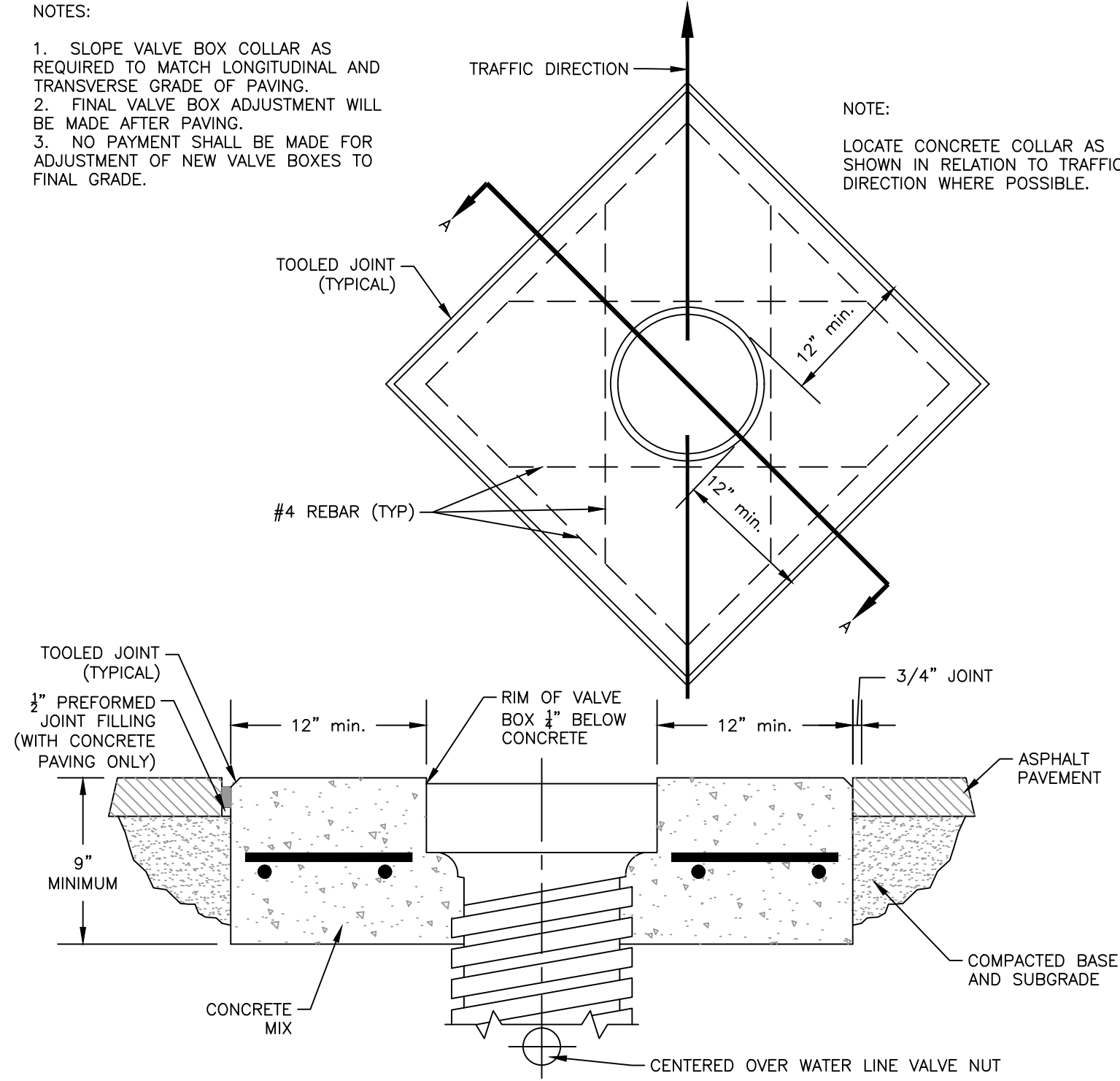
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 DETAILS-4
 GRACE WERNER PARKING LOT IMPROVEMENTS
 CASPER COLLEGE CAMPUS

NOTES:

1. SLOPE VALVE BOX COLLAR AS REQUIRED TO MATCH LONGITUDINAL AND TRANSVERSE GRADE OF PAVING.
2. FINAL VALVE BOX ADJUSTMENT WILL BE MADE AFTER PAVING.
3. NO PAYMENT SHALL BE MADE FOR ADJUSTMENT OF NEW VALVE BOXES TO FINAL GRADE.

NOTE:

LOCATE CONCRETE COLLAR AS SHOWN IN RELATION TO TRAFFIC DIRECTION WHERE POSSIBLE.

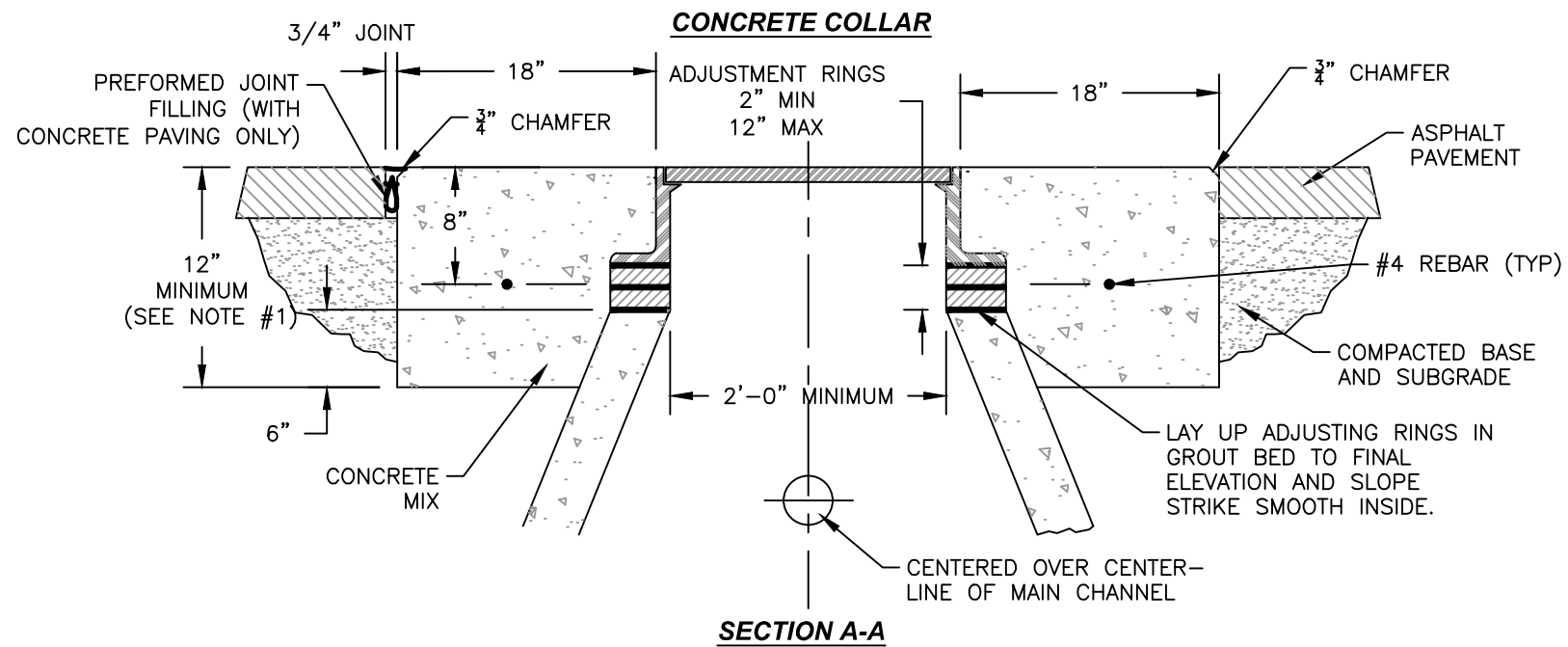
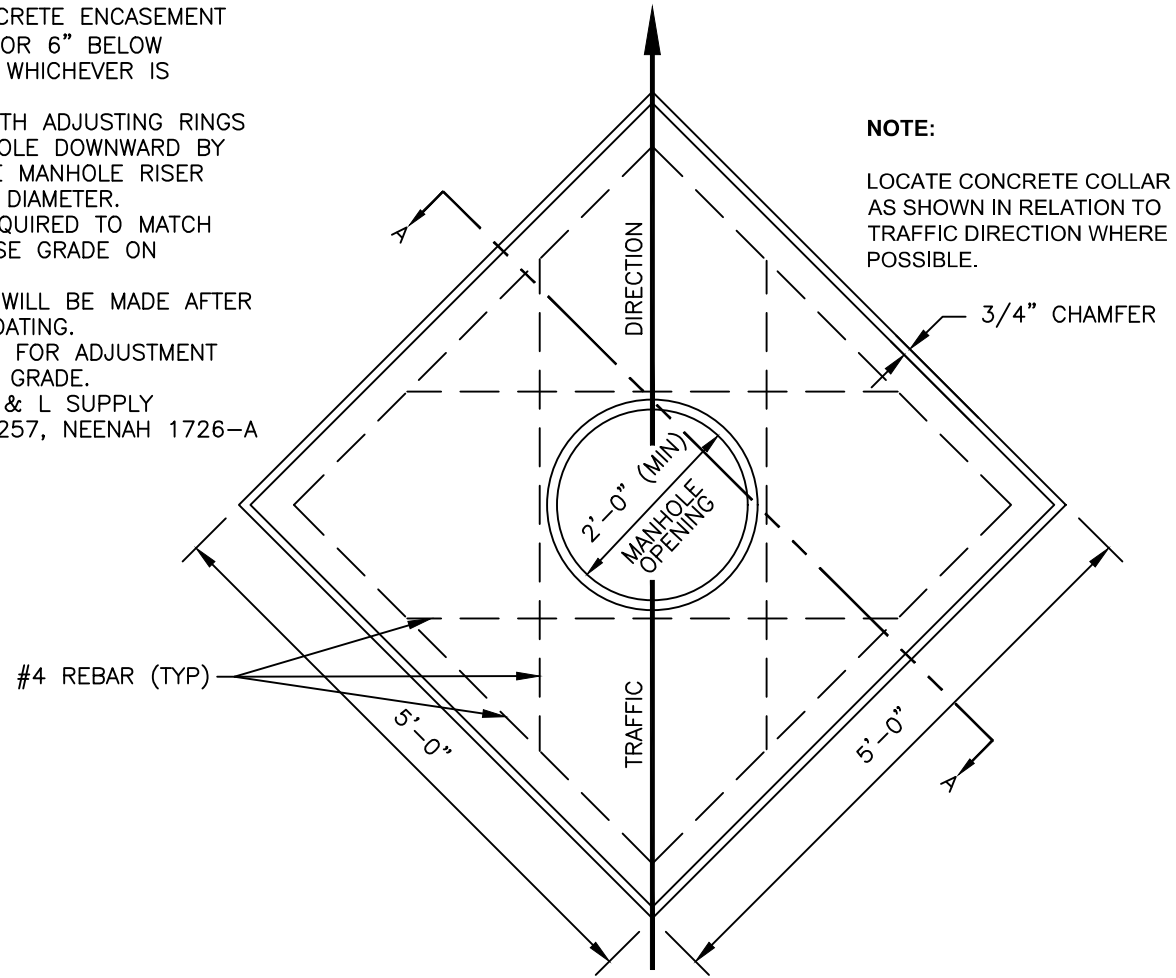


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**CONCRETE VALVE
BOX COLLAR**
NOT TO SCALE

NOTES:

1. MINIMUM OF 12" DEPTH CONCRETE ENCASEMENT AROUND MANHOLE CASTINGS OR 6" BELOW BOTTOM OF ADJUSTING RING, WHICHEVER IS GREATER.
2. ADJUST MANHOLE UPWARD WITH ADJUSTING RINGS UNDER FRAME. ADJUST MANHOLE DOWNWARD BY REMOVING A PORTION OF THE MANHOLE RISER AND REBUILDING TO PROPER DIAMETER.
3. SLOPE MANHOLE RING AS REQUIRED TO MATCH LONGITUDINAL AND TRANSVERSE GRADE ON STREET.
4. FINAL MANHOLE ADJUSTMENT WILL BE MADE AFTER PAVING AND BEFORE SEAL COATING.
5. NO PAYMENT SHALL BE MADE FOR ADJUSTMENT OF NEW MANHOLES TO FINAL GRADE.
6. FRAME AND COVER TO BE D & L SUPPLY A-1040, DETTER FOUNDRY 1257, NEENAH 1726-A OR APPROVED EQUAL.



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MANHOLE COLLAR
NOT TO SCALE

NOTE:
LOCATE CONCRETE COLLAR AS SHOWN IN RELATION TO TRAFFIC DIRECTION WHERE POSSIBLE.



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DETAILS-6
GRACE WERNER PARKING LOT IMPROVEMENTS
CASPER COLLEGE CAMPUS

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 DETAILS-7
 GRACE WERNER PARKING LOT IMPROVEMENTS
 CASPER COLLEGE CAMPUS**

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NOTES:

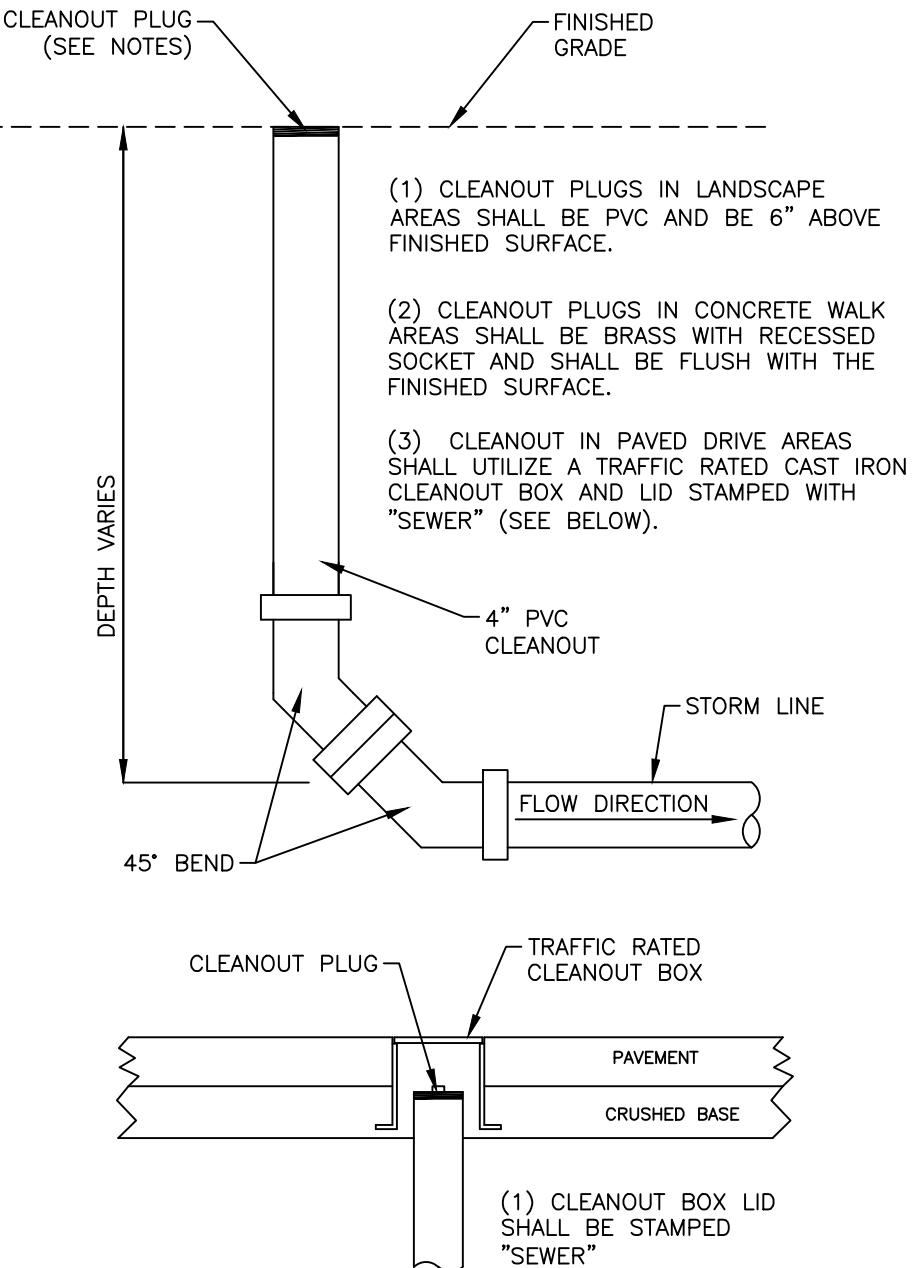
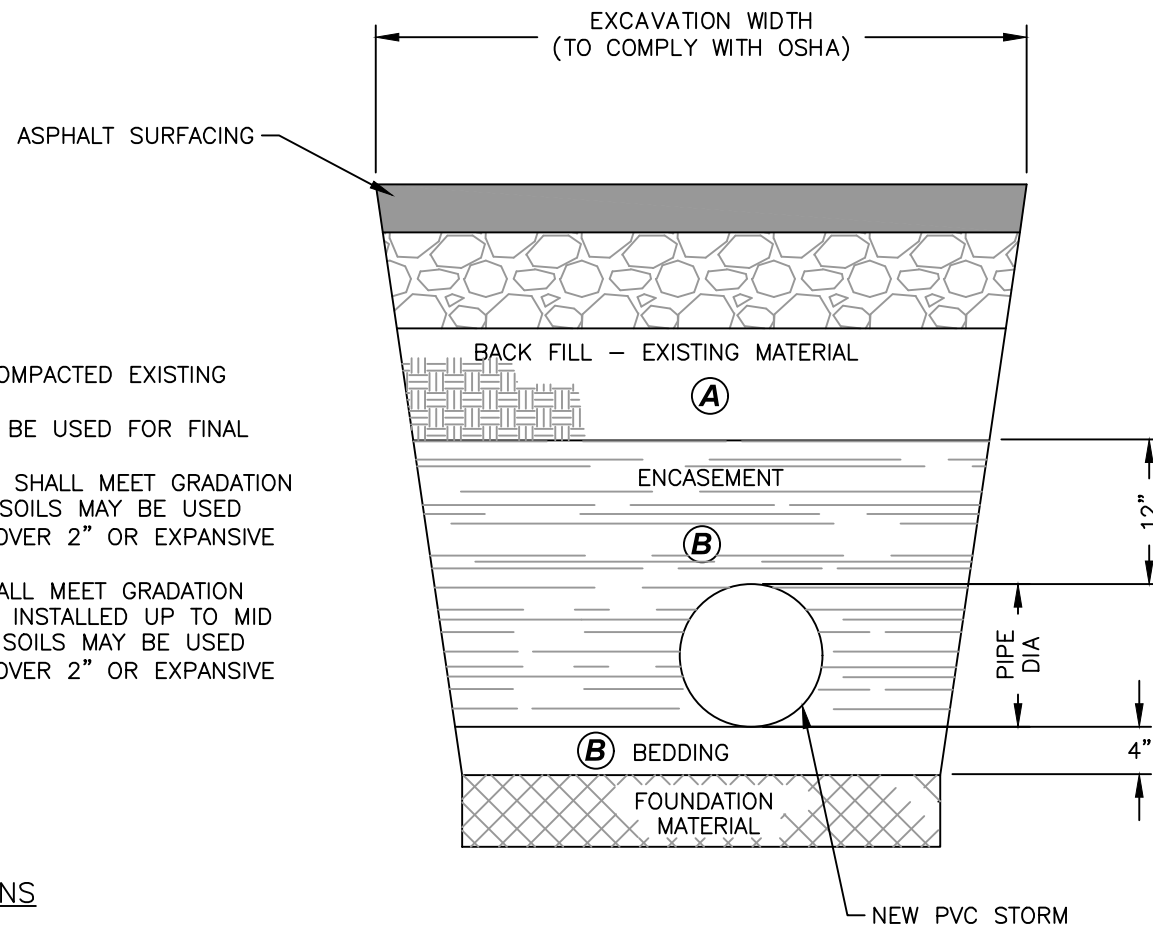
- 1) FOUNDATION MATERIAL SHALL BE COMPACTED EXISTING SUBGRADE.
- 2) EXISTING EXCAVATED MATERIAL MAY BE USED FOR FINAL BACKFILL OF PIPE TRENCH.
- 3) ACCEPTABLE ENCASEMENT MATERIAL SHALL MEET GRADATION SHOWN BELOW. EXCAVATED SANDY SOILS MAY BE USED PROVIDED NO COBBLES OR ROCK OVER 2" OR EXPANSIVE CLAY SOILS ARE PRESENT.
- 4) ACCEPTABLE BEDDING MATERIAL SHALL MEET GRADATION SHOWN BELOW. BEDDING SHALL BE INSTALLED UP TO MID POINT OF PIPE. EXCAVATED SANDY SOILS MAY BE USED PROVIDED NO COBBLES OR ROCK OVER 2" OR EXPANSIVE CLAY SOILS ARE PRESENT.
- 5) DENSITY REQUIRED:
 - (A) = 95% STANDARD PROCTOR
 - (B) = 90% STANDARD PROCTOR

TRENCH MATERIAL DESIGNATIONS

PERCENT PASSING SIEVE SIZE	BEDDING & ENCASEMENT
NO. 3/8"	90-100
NO. 4/4"	50-100
NO. 4	35-100
NO. 200	0-15

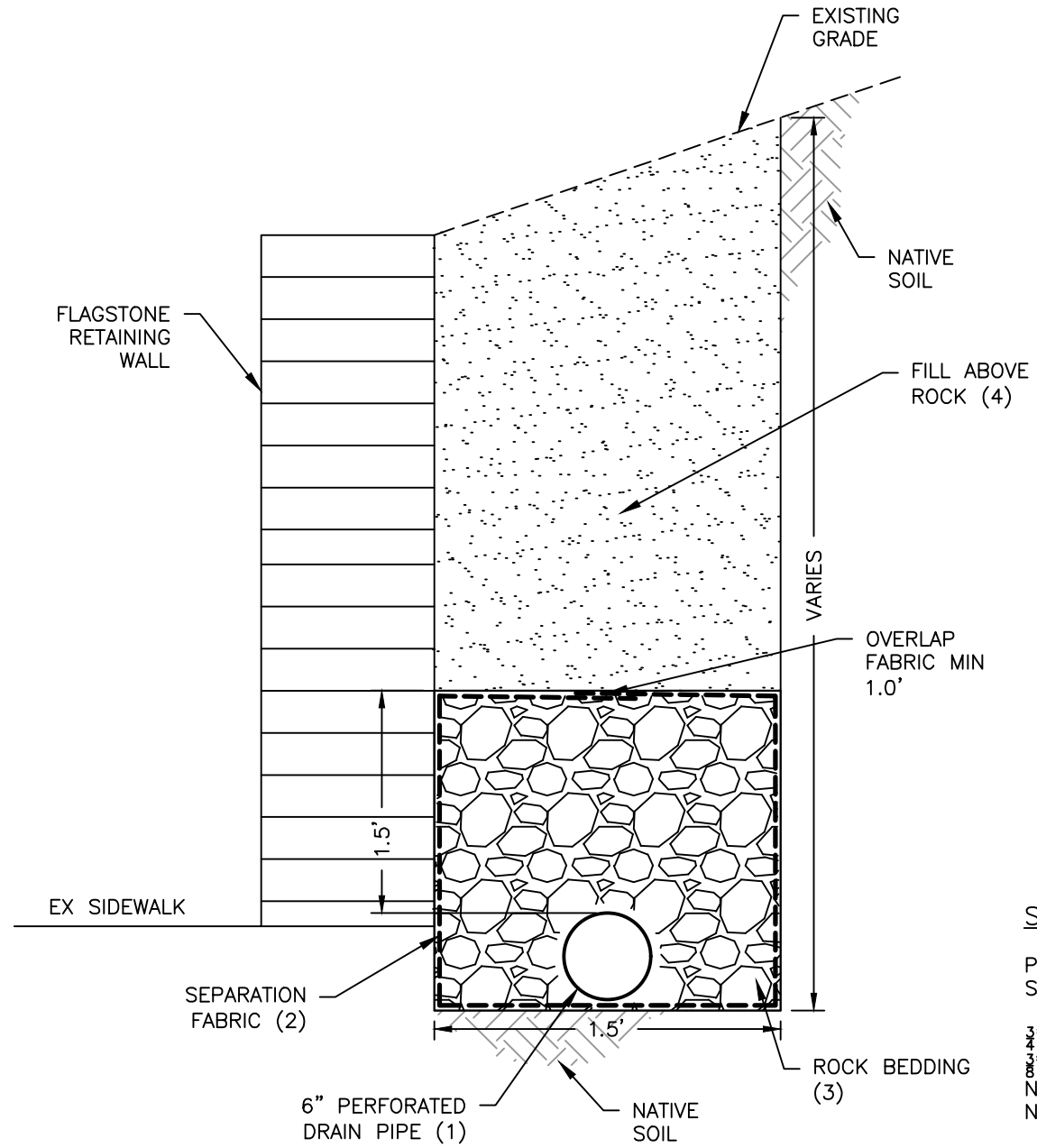
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**TYPICAL
SEWER TRENCH
NOT TO SCALE**



12

**TYPICAL
SINGLE CLEANOUT DETAIL
NOT TO SCALE**



- NOTES:
- 1) PERFORATED PIPE SHALL BE 6" PVC OR HDPE WITH PRE-DRILLED OR FIELD DRILLED HOLES. FIELD DRILLED HOLES SHALL BE 1/4" DIAMETER EVERY 6" AROUND CIRCUMFERENCE OF PIPE.
 - 2) GRAVEL SHALL BE WRAPPED ENTIRELY IN SEPARATION FABRIC.
 - 3) ROCK BEDDING SHALL BE FREE DRAINING CRUSHED GRAVEL PER THE SPECIFICATIONS INSTALLED FROM PIPE INVERT TO 18" ABOVE PIPE.
 - 4) FILL ABOVE ROCK SHALL BE IMPORTED SANDY SOIL PER GRADATION BELOW.

SANDY BACKFILL MATERIAL DESIGNATION

PERCENT PASSING
SIEVE SIZE

3/4"	90-100
3/8"	50-100
NO.4	35-100
NO.200	0-15

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PERFORATED DRAIN PIPE
TYPICAL DETAIL
NOT TO SCALE



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