BOISE STATE UNIVERSITY
WEST CAMPUS PARKING LOTS

RECORD
DRAWINGS
11/15/2005

INFORMAL BID

NAMPA, CANYON COUNTY, IDAHO

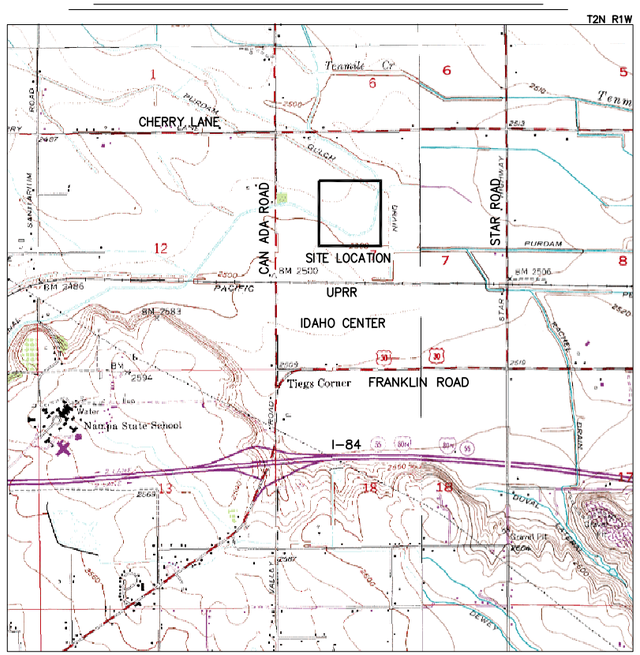
DPW PROJECT NO. 05214
SEI PROJECT NO. 01742

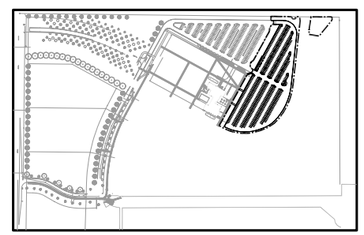
2005

OWNER: STATE OF IDAHO

AREA MAP

LOCATION MAP





KEY PLAN

CIVIL ENGINEER:

SUNRISE ENGINEERING, INC.
3557 EAST OVERLAND ROAD
MERIDIAN, IDAHO 83642
TEL: (208) 884-0306
FAX: (208) 884-0309
CONTACT: KELLY HOOPES, P.E.

CONTRACTOR:

PAUL CONSTRUCTION
P.O. BOX 1117
MERIDIAN, ID 83680
TEL: (208) 466-2953
CONTACT: JAMES PAUL

Authorization to Bid

DPW Project No. 05214

Responsible Chief Officer

Administrator of Public Works

BENCH MARK

THE BENCHMARK USED WAS A MONUMENT AT CENTERLINE INTERSECTION OF STREET "B" AND STREET "C".
ELEVATION = 2497.39

(LOCAL DATUM)
N 710920.12
E 2423565.51

BASIS OF BEARING IS A LINE BEARING N19°08'45"E BETWEEN TWO MONUMENTS FOND FOR THE CENTERLINE OF STREET "B". MONUMENTS ARE LOCATED AT THE INTERSECTION OF STREET "B" & STREET "A" & THE INTERSECTION OF STREET "B" AND STREET "C".

SHEET INDEX

GENERAL:	DWG. NO.
COVER	COV
LEGEND AND GENERAL NOTES	LEG
CIVIL PLANS:	
SITE PLAN	SITE01
HORIZONTAL CONTROL PLAN	HORIZ
GRADING PLAN	G01
STORM DRAIN PLAN	SD01
PARKING LOT LAYOUT	PAR01
STORM WATER PREVENTION PLAN	SWP
DETAIL SHEET	DET01

RECORD
DRAWINGS
11/15/2005

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www.sunrise-eng.com

BOISE STATE UNIVERSITY

BOISE STATE WEST CAMPUS
PARKING LOTS
DPW # 05214
COVER

Date: 6/24/05
SEI NO. #01742
DPW # 05214
DRAWN BY: MS
Check: KH
FILE NAME:
BSU-COV.DWG

REV:

DRAWING
COV

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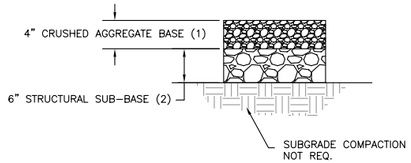


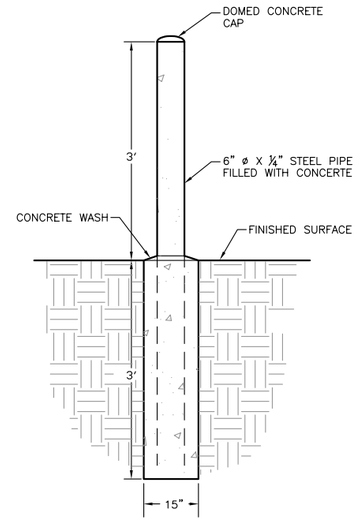
NOTES:

(1) CRUSHED AGGREGATE BASE SHALL COMPLY WITH MATERIALS AND PLACEMENT REQUIREMENTS AS DEFINED IN THE ISPWC FOR CRUSHED AGGREGATE MATERIALS.

(2) STRUCTURAL SUB-BASE SHALL COMPLY WITH MATERIALS AND PLACEMENT REQUIREMENTS AS DEFINED IN THE ISPWC FOR UNCRUSHED AGGREGATE MATERIALS.

1/D1 GRAVEL SURFACE SECTION

FOR BASE BID AND ADD ALTERNATES #1 & #2 / NOT TO SCALE

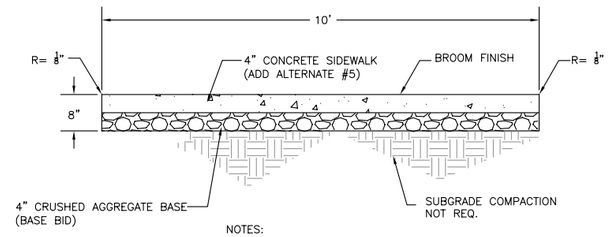


NOTES:

1. BOLLARD POSTS AND BOLLARD CAPS SHALL BE PAINTED YELLOW.
2. PROTECTIVE BOLLARD POSTS SHALL BE FILLED WITH CONCRETE.
3. PROTECTIVE BOLLARD POSTS SHALL BE SPACED AT 4'OC AROUND FIRE HYDRANT.

3/D1 PROTECTIVE BOLLARD

NOT TO SCALE



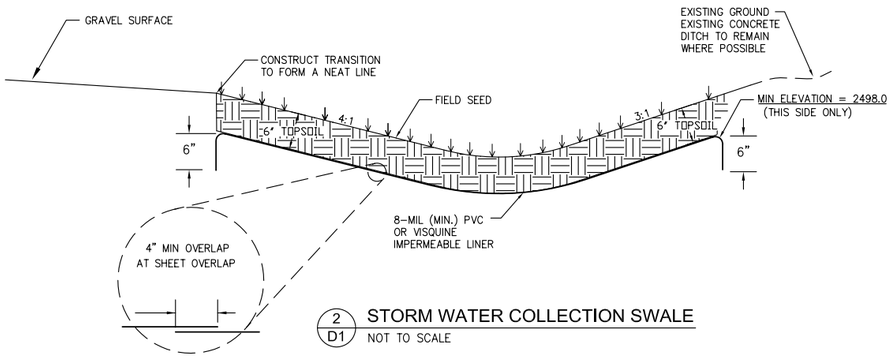
NOTES:

1.CONCRETE JOINTS PER ISPWC SD-714B SILICONE SEALANT

2. REFER TO SECTION 03300.3.1.5 OF THE CONCRETE AND SLABWORK – SIDEWALK SPECIFICATION FOR DOWELING TO EXISTING SIDEWALK

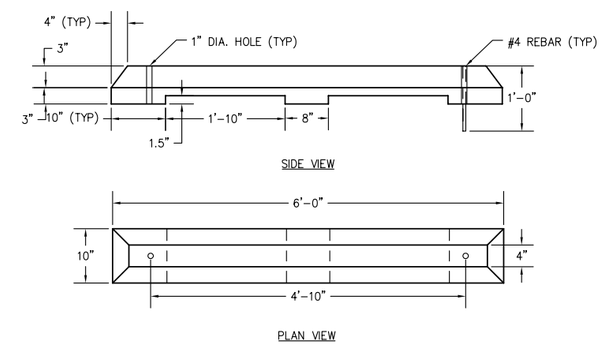
4/D1 CONCRETE SIDEWALK DETAIL

NOT TO SCALE

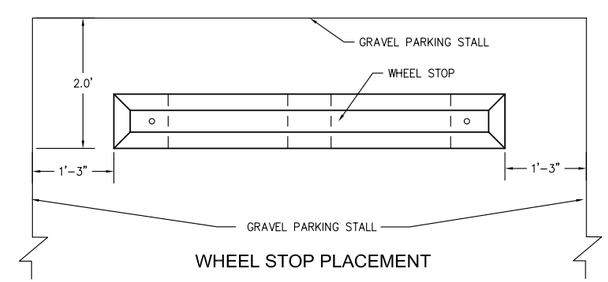


2/D1 STORM WATER COLLECTION SWALE

NOT TO SCALE



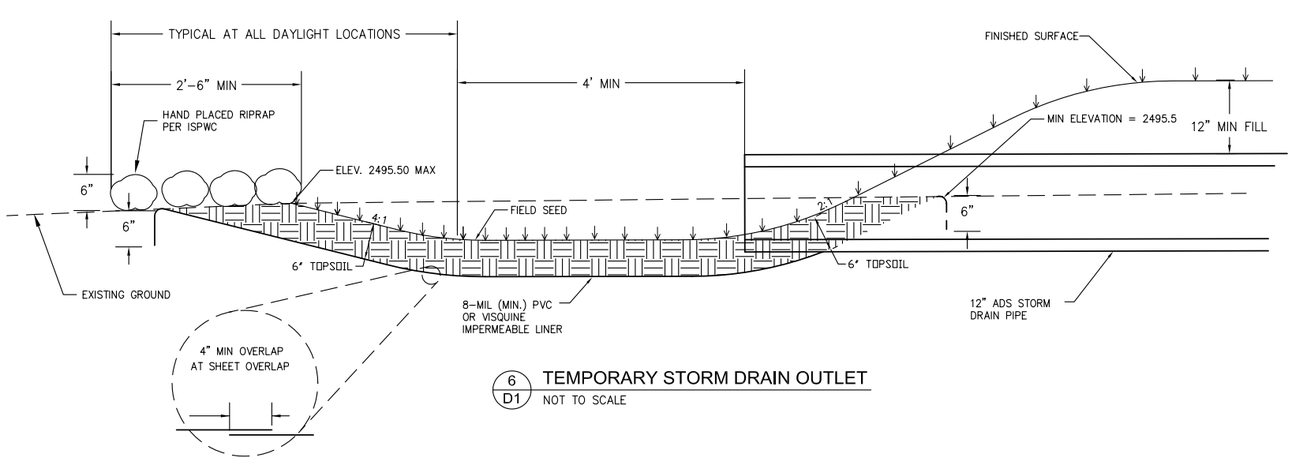
WHEEL STOP



WHEEL STOP PLACEMENT

5/D1 WHEEL STOP DETAIL

NOT TO SCALE



6/D1 TEMPORARY STORM DRAIN OUTLET

NOT TO SCALE

RECORD DRAWINGS 11/15/2005

SUNRISE ENGINEERING
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BOISE STATE UNIVERSITY

BOISE STATE WEST CAMPUS
PARKING LOTS
DPW # 05214
DETAILS

Date: 6/24/05
SEI NO. #01742
DPW # 05214
DRAWN BY: MS
Check: KH
FILE NAME:

BSU-DET01.DWG

REV:

DRAWING

DET01

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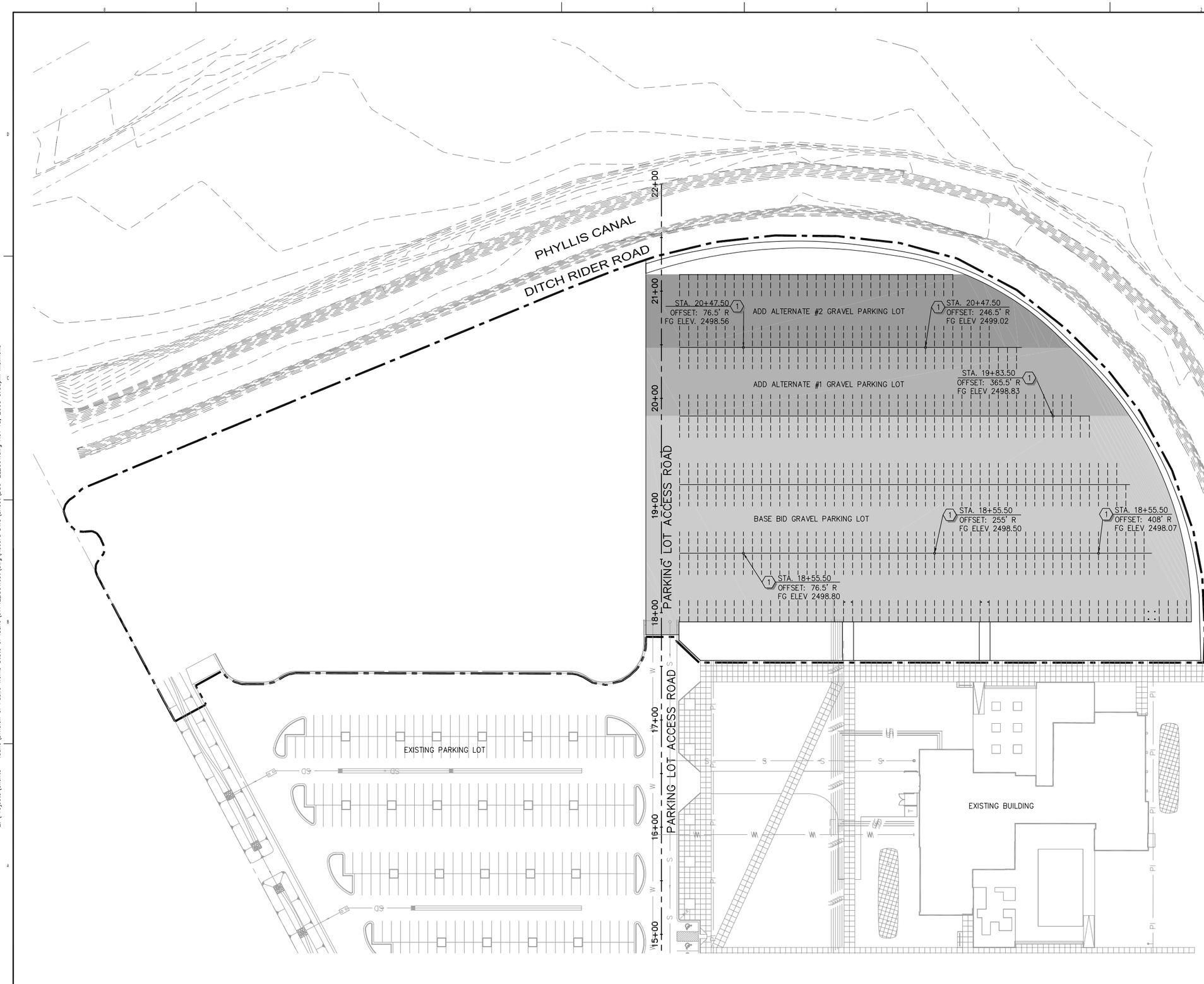

SCALE

40 0 20 40

HORIZ: 1" = 40 '

1 LOCATION OF LIGHT POLE BASE

REFER TO:

BOISE STATE UNIVERSITY WEST CAMPUS PARKING LOTS NAMPA, CANYON COUNTY, IDAHO
DPW PROJECT NO. 05214
SEI PROJECT NO. 01742
2005

ORIGINAL PLAN SET FOR ELECTRICAL PLANS

SUNRISE ENGINEERING
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BOISE STATE WEST CAMPUS
PARKING LOTS
DPW # 05214
LIGHT POLE HORIZ CONTROL DETAIL

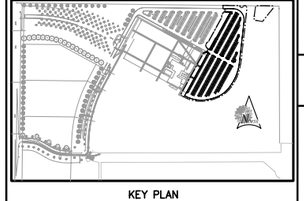
Date: 6/24/05
SEI NO. #01742
DPW # 05214
DRAWN BY: MS
Check: KH
FILE NAME:

BSU-ELEC01.DWG

REV:

DRAWING

ELEC01



KEY PLAN

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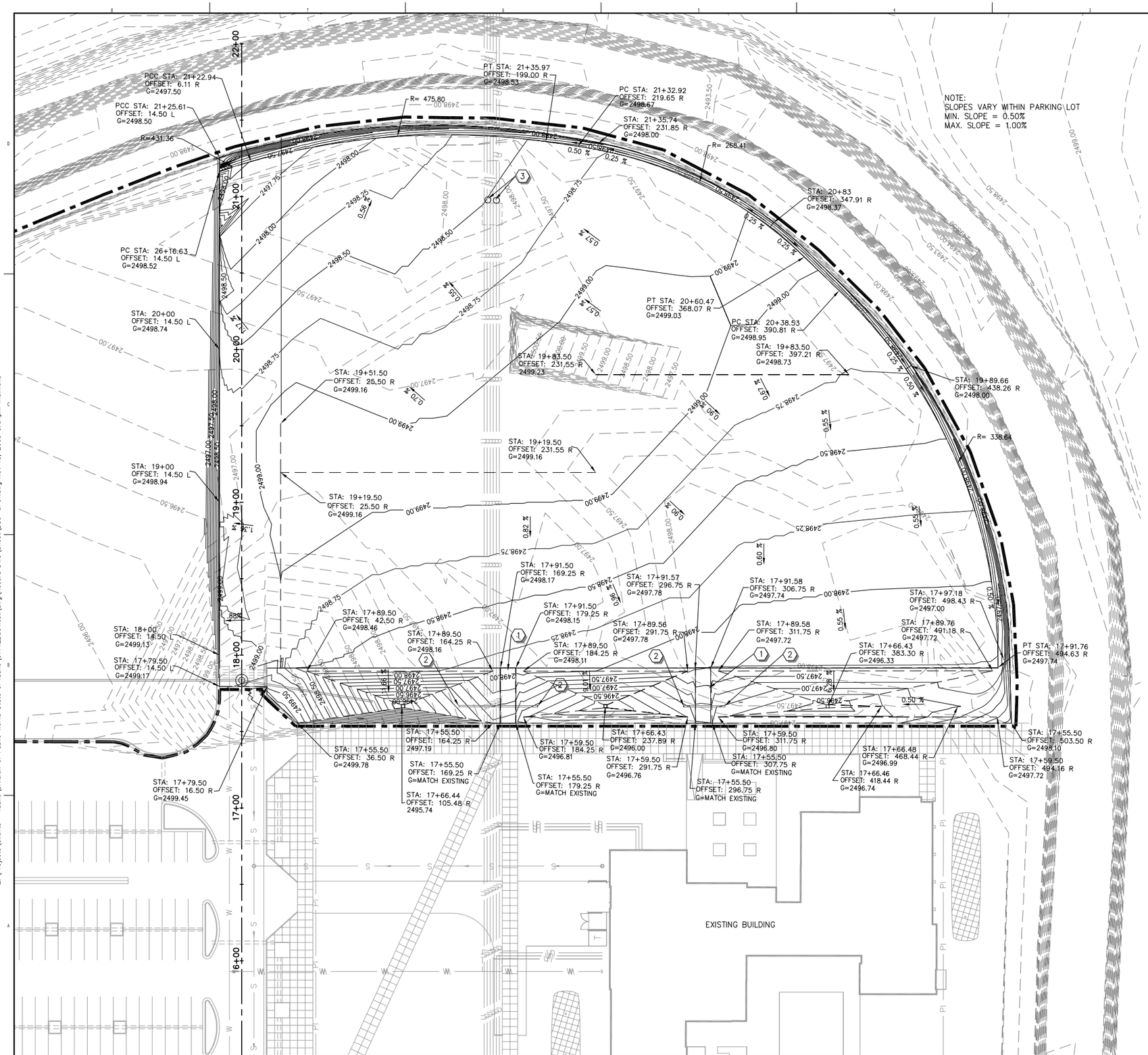

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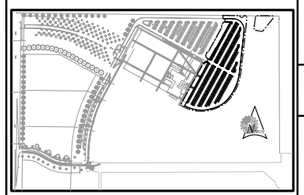
NORTH

SCALE
30 0 15 30
HORIZ: 1" = 30 '

1. GRADE SIDEWALK TO PROVIDE 6" MINIMUM CLEAR DISTANCE FROM TOP OF STORM SEWER PIPE TO BOTTOM OF SIDEWALK.
2. BLEND SLOPES TO CONFORM TO STORM DRAIN CULVERT INLET/OUTLETS.
3. ADJUST MANHOLE RIM ELEVATIONS AS NECESSARY.

- EXISTING GROUND MAJOR CONTOUR
- EXISTING GROUND MINOR CONTOUR
- GRADE BREAK LINES
- 2497.00 FINISH GRADE MAJOR CONTOUR
- FINISH GRADE MINOR CONTOUR



KEY PLAN

RECORD DRAWINGS 11/15/2005

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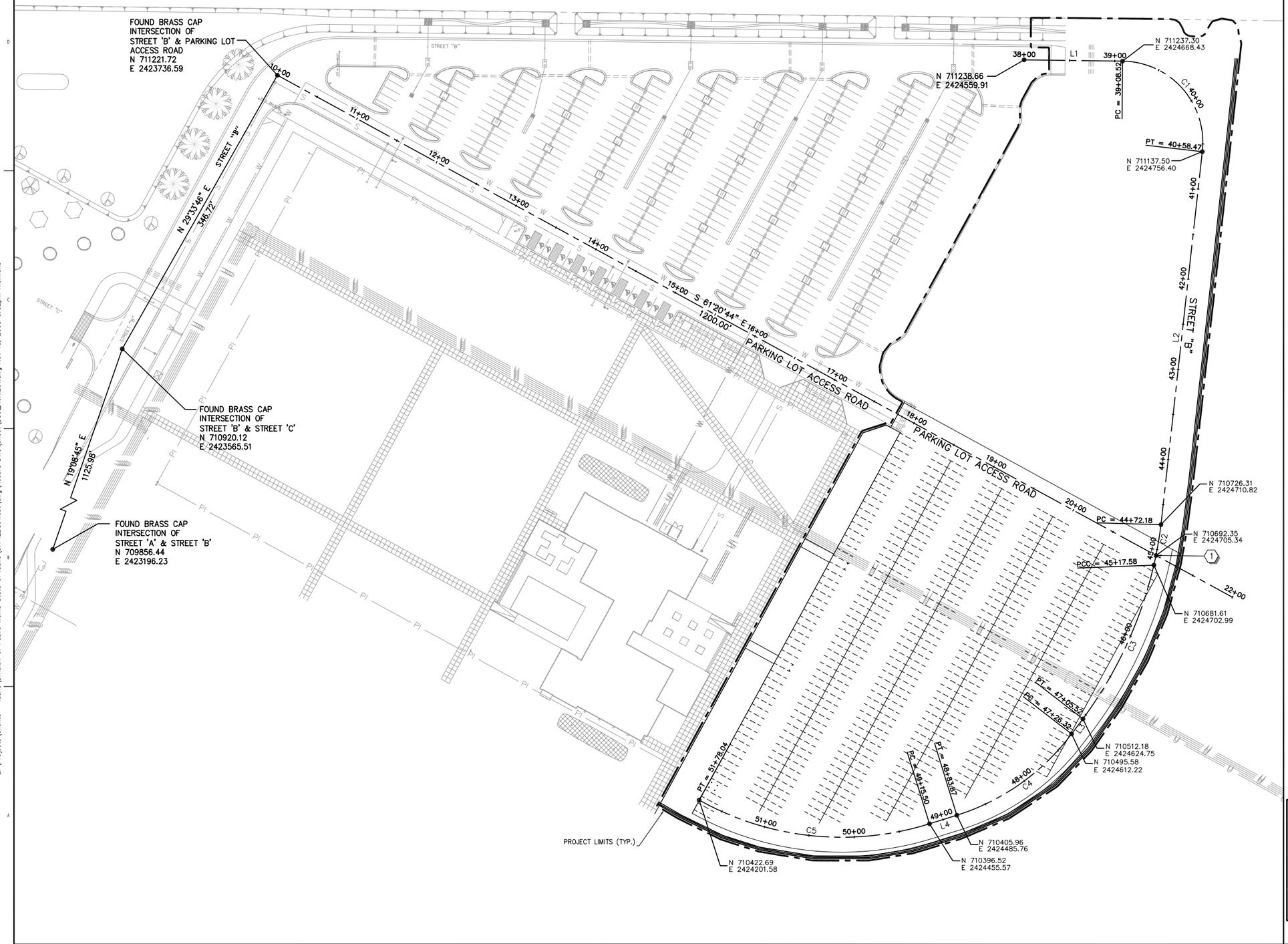
BOISE STATE UNIVERSITY

BOISE STATE WEST CAMPUS
PARKING LOTS
DPW # 05214
GRADING PLAN

Date: 6/24/05
SEI NO. #01742
DPW # 05214
DRAWN BY: MS
Check: KH
FILE NAME:
BSU-GP01.DWG

REV:

DRAWING
G01

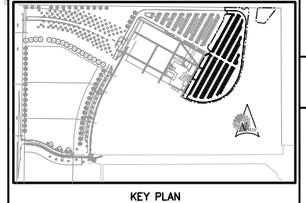


SCALE
50 0 25 50
HORIZ: 1" = 50 '

1 INSTALL PERMANENT SURVEY MONUMENT PER DETAIL 7, DRAWING DET07. STA. 21+03.95 PARKING LOT ACCESS ROAD, STA. 45+12.85 STREET "B"

LINE TABLE		
LINE	LENGTH	BEARING
L1	108.52	S89°16'44"E
L2	413.71	S06°19'33"W
L3	20.80	S37°03'39"W
L4	31.63	S72°38'14"W

CURVE TABLE		
CURVE	LENGTH	RADIUS
C1	149.95	89.56
C2	45.40	414.86
C3	187.94	459.30
C4	157.55	251.91
C5	262.54	322.14



KEY PLAN

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BOISE STATE UNIVERSITY

BOISE STATE WEST CAMPUS
PARKING LOTS
DPW # 05214
HORIZONTAL CONTROL PLAN

Date: 6/24/05
SEI NO. #01742
DPW # 05214
DRAWN BY: MS
Check: KH
FILE NAME:
BSU-HORIZ01.DWG

REV:

DRAWING
HORIZ

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LEGEND

	EXISTING	PROPOSED
SANITARY SEWER LINE	X"S	X"S
CULINARY WATER LINE	X"W	X"W
GAS LINE	G	
STORM DRAIN LINE	SD	SD
OVERHEAD POWER LINES	OHE	OHE
IRRIGATION LINES	IRR	IRR
CENTERLINE		
PROPERTY LINE		
TRANSFORMER/ELECTRICAL CABINET	EB	
POWER METER	PM	
WATER METER	WM	
GAS METER	GM	
TELEPHONE BOX	TB	
TELEPHONE MANHOLE	TE	
SANITARY SEWER MANHOLE	SS	S
STORM DRAIN MANHOLE	ST	
WATER MANHOLE	W	
CLEANOUT	CO	
FIRE HYDRANT		
WATER VALVE		
TEE		
SIGN		
BULLARDS		
MONUMENT		
LIGHT POLE	LP	
CONTOUR	3333	3333
ASPHALT		
HEAVY DUTY PAVEMENT		
CONCRETE		
CATCH BASIN		
EXISTING BUILDING		
FENCE		
WALL		
POWER POLE		
DECIDUOUS TREE		
LOW POINT	LP	LP
HIGH POINT	HP	HP
GRADE BREAK	GB	GB
ELEVATION AT FLOW LINE OF CURB	G	
CONCRETE ELEVATION	C	
SILT FENCE		
PROJECT BOUNDARY		

GRADING AND DRAINAGE NOTES

1. AN APPROVED GRADING AND DRAINAGE PLAN SHALL BE ON THE JOB SITE AT ALL TIMES. DEVIATIONS FROM THE PLAN MUST BE PRECEDED BY AN APPROVED PLAN REVISION.
2. GRADING MATERIALS AND PLACEMENT SHALL BE AS SPECIFIED IN SP02105 – EARTHWORK AND SURFACING MATERIALS OF THE SPECIFICATIONS.

SURFACING NOTES

1. SURFACING MATERIALS AND PLACEMENT SHALL BE AS SPECIFIED IN SP02105 – EARTHWORK AND SURFACING MATERIALS OF THE SPECIFICATIONS.

CONSTRUCTION NOTES

1. THE CONTRACTOR HAS THE ULTIMATE RESPONSIBILITY OF LOCATING ALL UNDERGROUND UTILITIES AND PROTECTING THEM FROM DAMAGE. THE CONTRACTOR SHALL CALL DIG LINE AT 1–800–342–1585 TO MARK ANY UTILITIES IN THE AREA AT LEAST 48 HOURS BEFORE CONSTRUCTION BEGINS.
2. ALL EXCAVATIONS, TRENCHING, AND SHORING SHALL MEET THE REQUIREMENTS OF THE US OSHA. SUNRISE ENGINEERING INC. WILL NOT BE RESPONSIBLE FOR JOB–SITE SAFETY PROCEDURES OR CONDITIONS.
3. ALL CONSTRUCTION SHALL CONFORM TO THE CURRENT IDAHO STANDARDS OF PUBLIC WORKS CONSTRUCTION (ISPWC) SPECIFICATIONS AND DETAILS, AND THE CITY OF NAMPA ENGINEERING AND CONSTRUCTION SPECIFICATIONS MANUAL (HEREAFTER CITY OF NAMPA) UNLESS SPECIFICALLY STATED OTHERWISE IN THESE PLANS. CONSTRUCTION WILL BE SUBJECT TO INSPECTION BY VARIOUS STATE AND FEDERAL AGENCIES.
4. COMPACTION OF ALL FILL MATERIAL SHALL BE TESTED BY A CERTIFIED TESTING LAB WITH RESULTS SENT DIRECTLY TO THE ENGINEER'S OFFICE.
5. CONTRACTOR SHALL KEEP ALL PUBLIC ROADWAYS CLEAR OF MUD, DIRT, AND DEBRIS CREATED BY CONSTRUCTION ACTIVITIES. DUST MUST BE CONTROLLED BY WATERING ON A REGULAR BASIS AND AS NEEDED INCLUDING AFTER HOURS AND WEEKENDS. VEHICLES ENTERING OR EXITING THE WORK SITE MUST USE A STABILIZED CONSTRUCTION ENTRANCE. ANY ENTRIES NOT CONFORMING TO THE STORM WATER POLLUTION PREVENTION PLAN REQUIREMENTS SHALL BE BARRICADED TO RESTRICT ENTRY.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COVERAGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES AND ABIDING BY CONDITIONS OF THE PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
7. THE CONTRACTOR IS RESPONSIBLE FOR MAKING ARRANGEMENTS FOR INSPECTION AND TESTING.
8. THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION. CONSTRUCTION CONCEALED WITHOUT THE REQUIRED INSPECTION SHALL BE SUBJECT TO EXPOSURE AT THE CONTRACTOR'S EXPENSE.
9. THE CONTRACTOR IS RESPONSIBLE FOR HIS OWN TAKEOFF QUANTITIES. QUANTITIES IF SHOWN HEREON ARE ESTIMATES ONLY AND AS SUCH ARE NOT USED FOR BID PURPOSES.
10. THE CONTRACTOR IS RESPONSIBLE FOR THE NOTIFICATION OF THE PROPER AUTHORITY(S) IF THERE ARE OBSTRUCTIONS TO PROPOSED IMPROVEMENTS AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY EXISTING ITEM REMOVED TO FACILITATE CONSTRUCTION SHALL BE REPLACED IN THE SAME OR BETTER CONDITION AT THE CONTRACTOR'S EXPENSE.
11. THE CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL ON AND AROUND THE CONSTRUCTION SITE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
12. THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS FOR CLEANING TRUCKS AND/OR OTHER EQUIPMENT OF MUD PRIOR TO ENTERING PUBLIC STREETS, AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO CLEAN STREETS, AND TAKE WHATEVER MEASURES ARE NECESSARY TO INSURE THAT ALL ROADS ARE MAINTAINED IN A CLEAN, MUD AND DUST FREE CONDITION AT ALL TIMES.
13. A THOROUGH ATTEMPT HAS BEEN MADE TO SHOW THE LOCATIONS OF ALL UNDERGROUND OBSTRUCTIONS AND UTILITY LINES IN THE WORK AREA. HOWEVER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO OBSTRUCTIONS AND UTILITY LINES ENCOUNTERED DURING CONSTRUCTION AND SHALL DETERMINE THE EXACT LOCATION OF UTILITIES IN ADVANCE OF TRENCHING. THE ENGINEER WILL NOT GUARANTEE ANY ELEVATIONS OR LOCATIONS OF THE EXISTING UNDERGROUND UTILITIES SHOWN ON THESE PLANS.
14. CONTRACTOR TO PROVIDE MARSHALL AND PROCTOR TEST DATA 24 HOURS PRIOR TO USE, CERTIFIED IN WRITING FROM A LAB RECOGNIZED AND ACCEPTED BY THE STATE OF IDAHO DIVISION OF PUBLIC WORKS.
15. CONTRACTOR TO PROVIDE LICENSED SURVEYOR OR ENGINEER FOR THE SURVEYING OF ALIGNMENT AND GRADE FOR EACH MAIN AND/OR FACILITY AS SHOWN ON THE PLANS.
16. CONTRACTOR WILL BE RESPONSIBLE FOR FURNISHING, MAINTAINING, OR RESTORING ALL MONUMENTS AND MONUMENT REFERENCE MARKS WITHIN THE PROJECT SITE. CONTACT THE COUNTY SURVEYOR FOR MONUMENT LOCATIONS AND CONSTRUCTION DETAILS.
17. CONTRACTOR SHALL NOT ALLOW ANY GROUNDWATER OR DEBRIS TO ENTER THE NEW PIPE OR CANALS DURING CONSTRUCTION.

ADD ALTERNATES

A. Add Alternate #1. Expand Gravel Parking Lot Add Alternate #1 includes the construction of the surfacing and the storm water collection swale. If the owner elects to construct the parking lot within the Add Alternate #1 area the lot will be constructed as shown on the plans. If the owner elects not to construct this area as a parking lot the area shall be rough graded, only as necessary to provide reasonable drainage, and field seed entire area. Seeding shall be as described in the Landscaping Section 02900 of these specifications. Contractor shall provide the cost for construction of the parking lot in the area of Add Alternate #1 (less the field seeding and the required rough grading) as a separate item in the bid package.

NOT CONSTRUCTED

B. Add Alternate #2. Additional Expansion of Gravel Parking Lot Add Alternate #2 includes the construction of the surfacing and the storm water collection swale. If the owner elects to construct the parking lot within the Add Alternate #2 area the lot will be constructed as shown on the plans. If the owner elects not to construct this area as a parking lot the area shall be rough graded, only as necessary to provide reasonable drainage, and field seed entire area. Seeding shall be as described in the Landscaping Section 02900 of these specifications. Add Alternate #2 will not be selected for construction unless Add Alternate #1 is also selected. Contractor shall provide the cost for construction of the parking lot in the area of Add Alternate #2 (less the field seeding and the required rough grading) as a separate item in the bid package.

NOT CONSTRUCTED

C. Add Alternate #3. Provide and Install Wheel Stops. Add Alternate #3 includes the furnishing and installation of wheel stops (bumper blocks) for the gravel surface areas. The Contractor shall provide the cost for furnishing and installing the wheel stops for the (1) base bid gravel parking lot, (2) Add Alternate #1 gravel parking lot, (3) Add Alternate #2 gravel parking lot, as separate items in the bid package.

NOT CONSTRUCTED

D. Add Alternate #4. Furnish and Apply Gravel Surface Dust Abatement. Add Alternate #3 includes the furnishing and installation of gravel surface dust abatement as described in SP 02110 - Gravel Surface Dust Abatement for the gravel surface areas. The Contractor shall provide the cost for furnishing and applying the gravel surface dust abatement for the (1) base bid gravel parking lot, (2) Add Alternate #1 gravel parking lot, (3) Add Alternate #2 gravel parking lot as separate items in the bid package.

NOT CONSTRUCTED

E. Add Alternate #5. Construct the 4" Concrete Sidewalk as shown on the plans. Add Alternate #5 includes the construction of only the 4" concrete surface as shown in detail #4 of drawing DET01 of the plans. The 4" gravel shown below the 4" Concrete shall be constructed as part of the base bid. If the owner elects not to include the 4" concrete surface the gravel shall be blended to match the existing sidewalk to provide for the gravel surface walkway. The Contractor shall provide the cost for construction of Add Alternate #5 as a separate item in the bid package.

RECORD DRAWINGS 11/15/2005

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BOISE STATE UNIVERSITY

BOISE STATE WEST CAMPUS
PARKING LOTS
DPW # 05214
LEGEND AND GENERAL NOTES

Date: 6/24/05
SEI NO. #01742
DPW # 05214
DRAWN BY: MS
Check: KH
FILE NAME:
BSU-LEG.DWG

REV:

DRAWING
LEG

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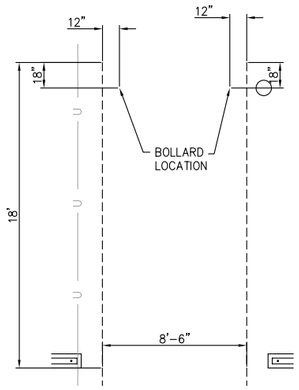
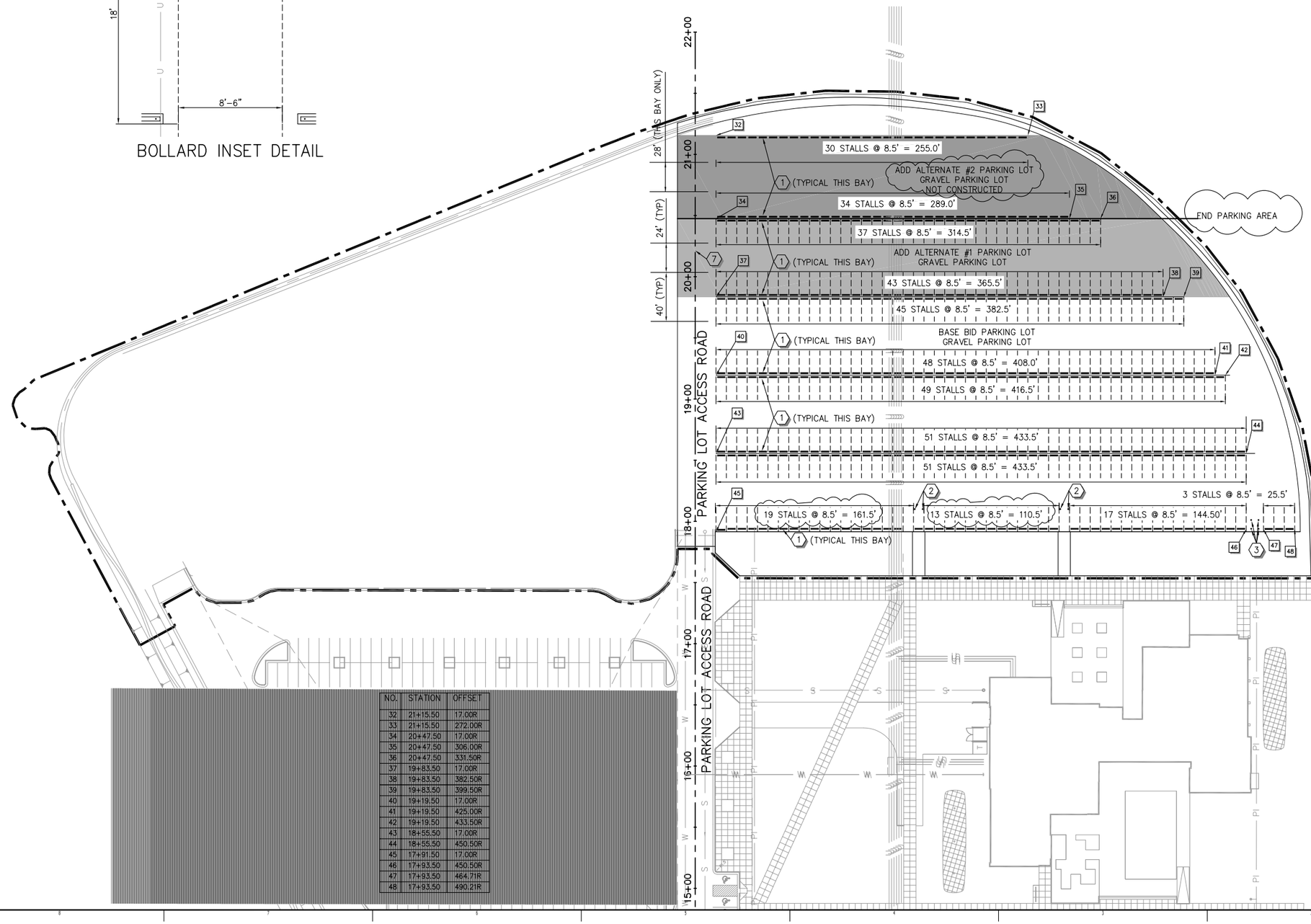


BOLLARD INSET DETAIL



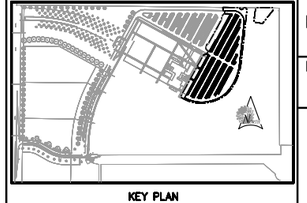
NO.	STATION	OFFSET
32	21+15.50	17.00R
33	21+15.50	272.00R
34	20+47.50	17.00R
35	20+47.50	306.00R
36	20+47.50	331.50R
37	19+83.50	17.00R
38	19+83.50	382.50R
39	19+83.50	399.50R
40	19+19.50	17.00R
41	19+19.50	425.00R
42	19+19.50	433.50R
43	18+55.50	17.00R
44	18+55.50	450.50R
45	17+91.50	17.00R
46	17+93.50	450.50R
47	17+93.50	464.71R
48	17+93.50	490.21R

SCALE
40 0 20 40
HORIZ: 1" = 40 '

1. ADD ALTERNATE #3, INSTALL WHEEL STOPS PER DETAIL 5, DRAWING DET01.
2. BOLLARD PLACEMENT PER DETAIL THIS SHEET.
3. BOLLARD PLACEMENT PER DETAIL 3, DRAWING DET01.

PARKING SPACES

BASE BID	296
ADD ALTERNATE #1	80
ADD ALTERNATE #2	64



KEY PLAN

RECORD DRAWINGS 11/15/2005

SUNRISE ENGINEERING
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BOISE, IDAHO 83814
TEL: 208.884.0306 • FAX: 208.884.0309
www.sunrise-eng.com

BOISE STATE UNIVERSITY

BOISE STATE WEST CAMPUS
PARKING LOTS
DPW # 05214
PARKING LOT LAYOUT

Date: 6/24/05
SEI NO. #01742
DPW # 05214
DRAWN BY: MS
Check: KH
FILE NAME:
BSU-STRIPE01.DWG

REV:

DRAWING
PAR01

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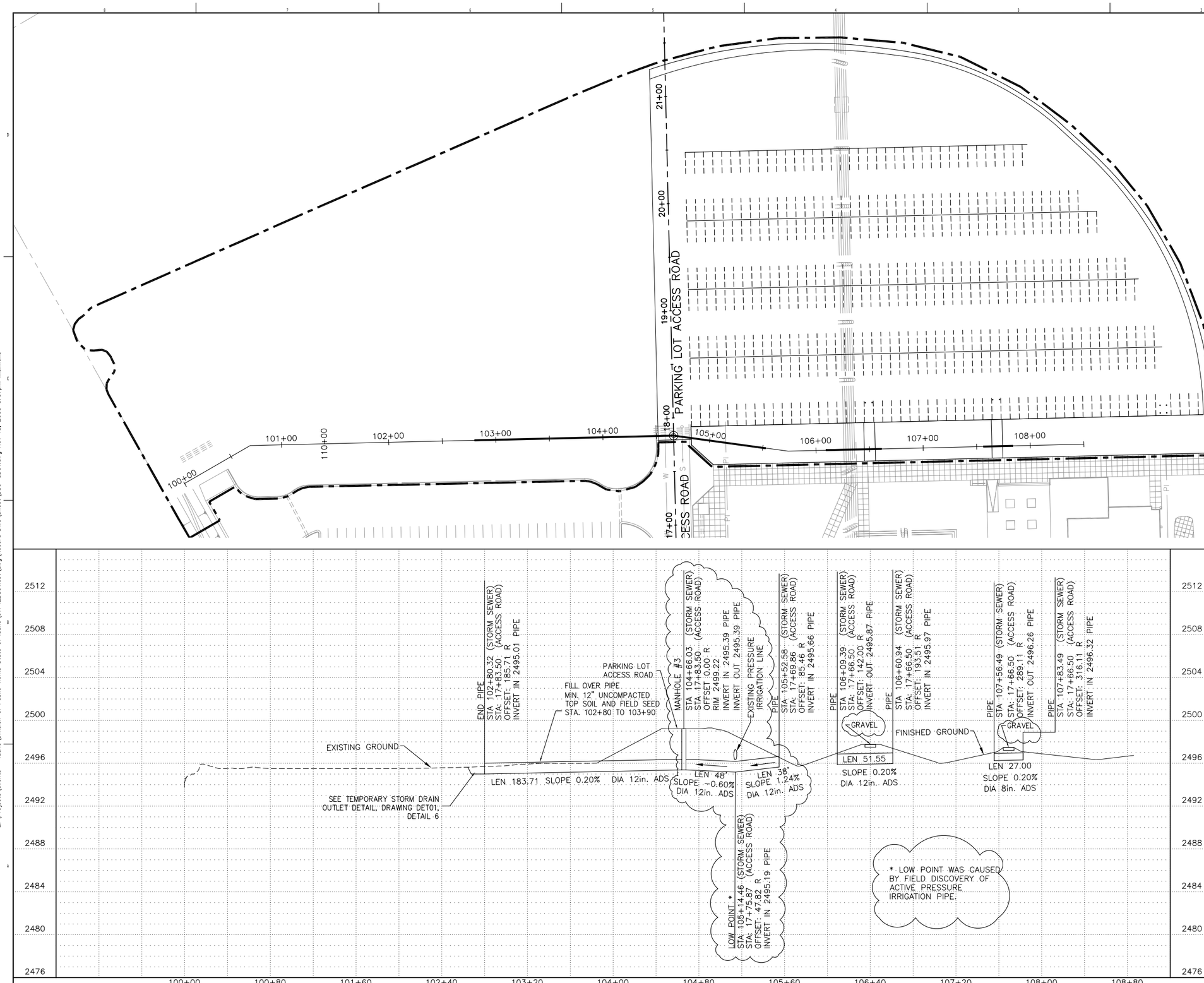

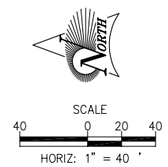

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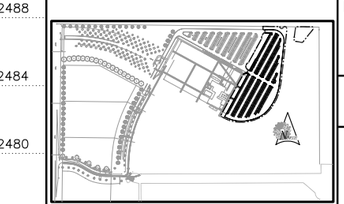
BOISE STATE WEST CAMPUS
PARKING LOTS
DPW # 05214
STORM DRAIN PLAN

Date: 6/24/05
SEI NO. #01742
DPW # 05214
DRAWN BY: MS
Check: KH
FILE NAME:
BSU-SD01.DWG

REV:

DRAWING
SD01



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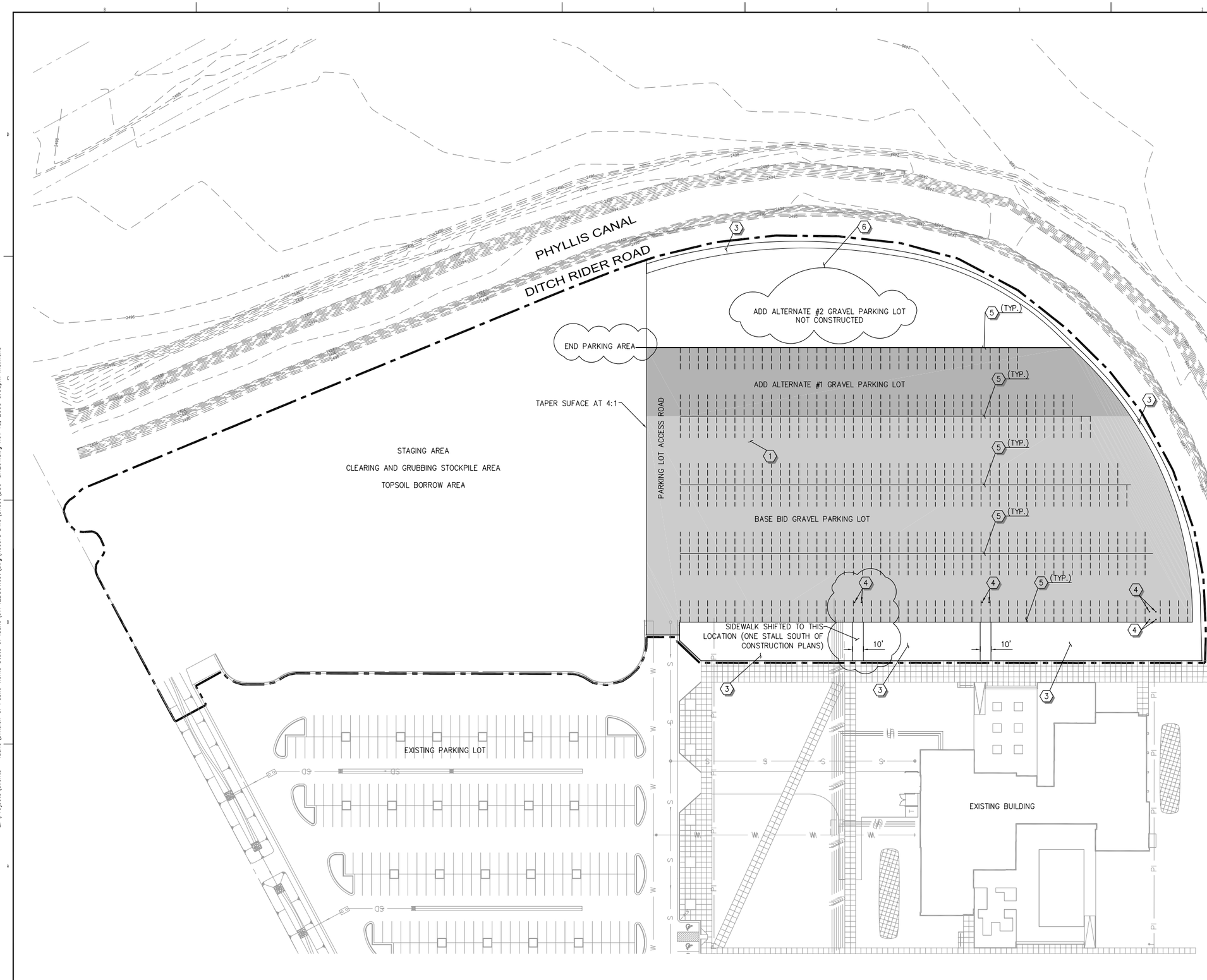


SCALE

40 0 20 40

HORIZ: 1" = 40 '

1. CONSTRUCT PARKING AND ACCESS ROAD SURFACE PER DETAILS 1, DRAWING DET01. ADD ALTERNATE #4 – GRAVEL SURFACE DUST SUPPRESION.

   - BASE BID GRAVEL SECTION (APPROX. AREA=94639 FT^2)
   - ADD ALTERNATE #1 GRAVEL SECTION (APPROX. AREA=27261 FT^2)
   - ADD ALTERNATE #2 GRAVEL SECTION (APPROX. AREA=24083 FT^2)

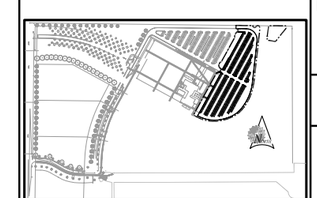
2. ADD ALTERNATE #5 – CONSTRUCT CONCRETE SIDEWALK PER DETAIL 4, DRAWING DET01 (APPROX. AREA=737 SF). INSTALL CONCRETE PAVEMENT JOINTING PER ISPWC SD–714 JOINTING CRITERIA. CONSTRUCT CONCRETE PAVEMENT JOINTS PER ISPWC SD–714B SILICONE SEALANT. CONNECTION TO EXISTING CONCRETE SHALL BE TIED PER DETAIL 4, DRAWING DET01.

3. CONSTRUCT STORMWATER COLLECTION SWALE PER DETAIL 2, DRAWING DET01. SEE GRADING PLAN FOR LIMITS OF CONSTRUCTION. (APPROX. AREA=46698 FT^2)

4. INSTALL PROTECTIVE BOLLARD PER DETAIL 3, DRAWING DET01.

5. SEE PARKING LAYOUT PLAN.

6. FIELD SEEDED AREA (APPROX AREA = 5104 FT^2)



KEY PLAN

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BOISE STATE WEST CAMPUS
PARKING LOTS
DPW # 05214
SITE PLAN

Date: 6/24/05
SEI NO. #01742
DPW # 05214
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SITE01

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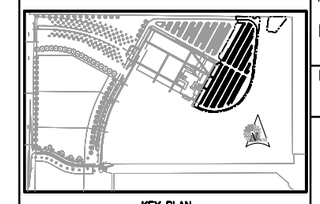
NORTH

SCALE
50 0 25 50
HORIZ: 1" = 50 '

1. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE PER SITE STORM WATER POLLUTION PREVENTION PLAN. VEHICLE ENTRY AND EXIT FROM CONSTUCTION WORK AREA ALLOWED ONLY AT THESE LOCATIONS.
2. CONSTRUCT SILT FENCE ON PROJECT PERIMETER WHERE A POTENTIAL OF STORM WATER RUNOFF EXISTS.
3. ENTRY AND EXIT OF CONSTRUCTION SITE SHALL BE BARRICADED TO RESTRICT VEHICLE TRAFFIC DURING CONSTRUCTION.

NOTE:
CONSTRUCT AND MAINTAIN A CHEMICAL STORAGE AREA AND CONCRETE WASHOUT AREA AT A LOCATION CHOSEN BY THE CONTRACTOR AND APPROVED BY THE OWNER AND ENGINEER PER REQUIREMENTS OF THE STORM WATER POLLUTION PREVENTION PLAN.



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DPW # 05214
STORM WATER PREVENTION PLAN

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