

2/20/19 10:57 MALANIZ D:\\_PRESCOTT\\_SPENCE SPRINGS\COVER PAGE.DWG;

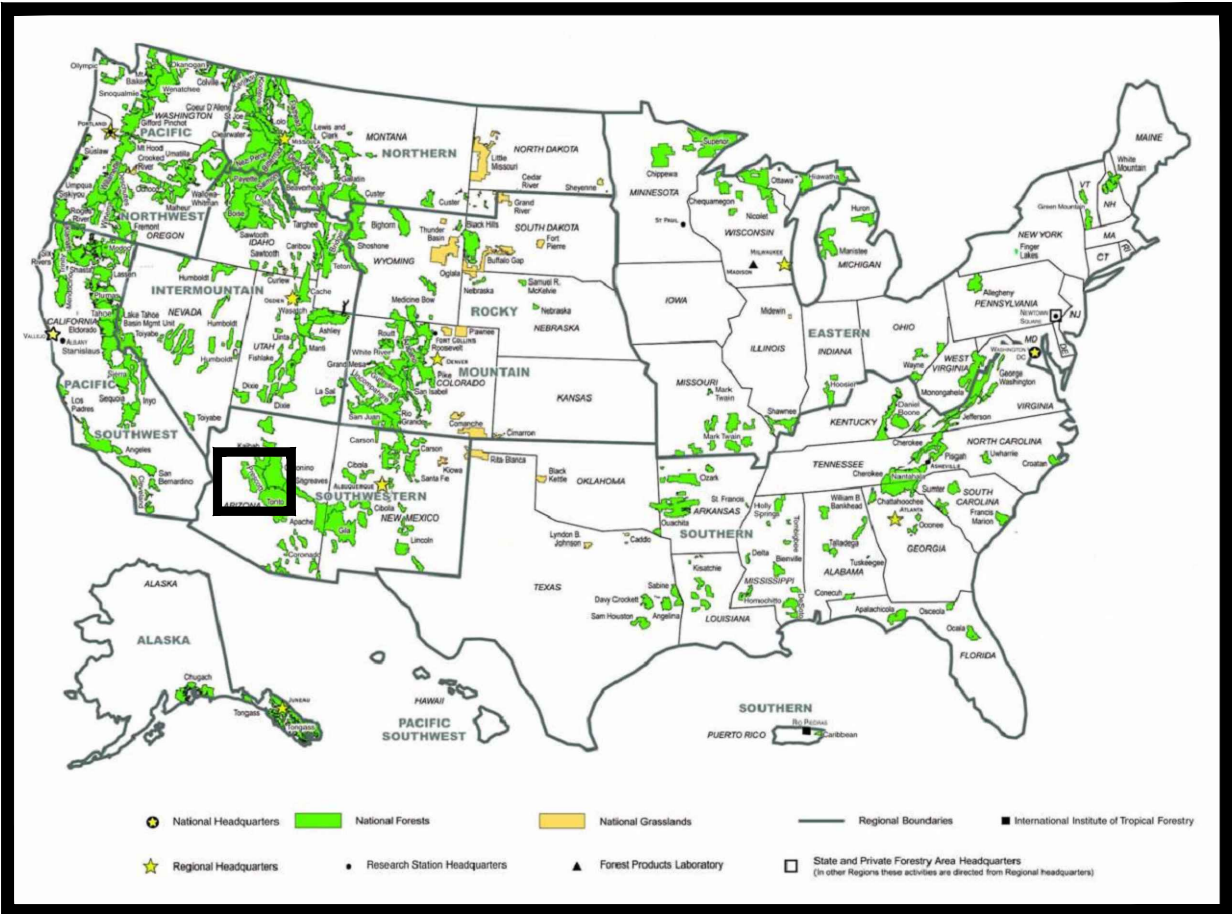


United States Department of Agriculture  
Forest Service

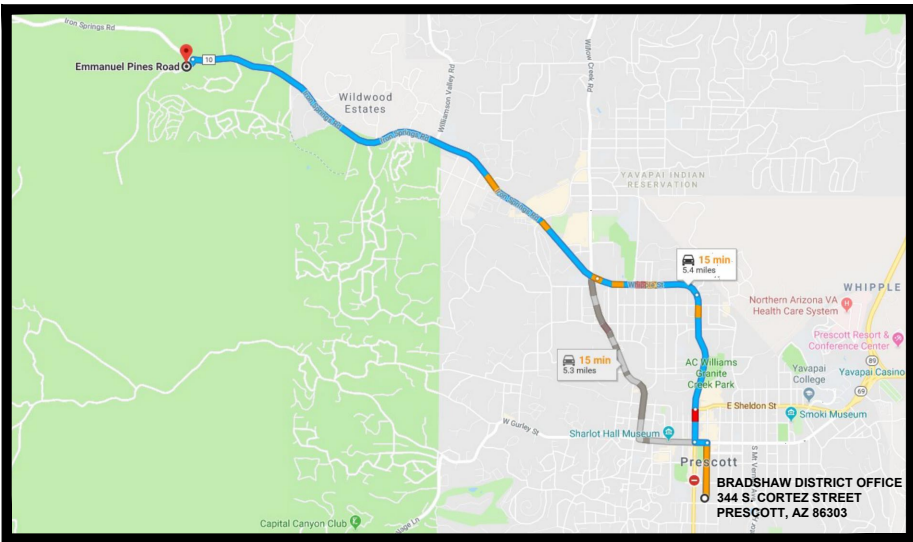
(R03) SOUTHWESTERN REGION  
PRESCOTT NATIONAL FOREST

YAVAPAI COUNTY  
ARIZONA

SPENCE SPRINGS TRAILHEAD  
RECONSTRUCTION



PROJECT LOCATION



VICINITY MAP

TRAVEL DIRECTIONS:

FROM THE BRADSHAW RANGER DISTRICT OFFICE, TRAVEL NORTH ON CORTEZ STREET TOWARDS CARLETON STREET, FOR 0.4 MILES. TURN LEFT ONTO GURLEY STREET FOR 0.4 MILES. TURN RIGHT ONTO GROVE AVE FOR 0.3 MILES; ROAD MAKES SLIGHT LEFT AND BECOMES MILLER VALLEY ROAD, PROCEED FOR ANOTHER 0.8 MILES. TURN LEFT ONTO IRON SPRINGS ROAD, AND CONTINUE FOR ANOTHER 3.2 MILES. TURN LEFT ONTO EMMANUEL PINES ROAD / SPENCE SPRINGS ROAD. PROJECT WILL BE ON LEFT SIDE OF ROAD, 200 FEET FROM IRON SPRINGS ROAD. LATITUDE 34° 34' 40.04" N, LONGITUDE 112° 31' 42.54" W.

INDEX OF SHEETS		
SHEET	SHEET TITLE	DATE
G-01	COVER SHEET	2/5/2019
G-02	VICINITY MAP, PROJECT DESCRIPTION & SCHEDULE OF ITEMS	2/5/2019
S-01	SITE MAP	1/31/2019
S-02	SITE PLAN	1/31/2019
R-01	ROADWAY PLAN AND PROFILE	1/31/2019
R-02	TYPICAL ROADWAY CROSS SECTIONS AND CROSSWALK	2/5/2019
R-03	CULVERT INSTALLATION DETAILS	2/14/2019
D-01	ROADWAY AND PATHWAY DETAILS	2/14/2019
D-02	SINGLE VAULT COMFORT STATION INSTALLATION	2/14/2019
D-03	BARRIER ROCK AND PICNIC PAD DETAILS	2/14/2019
D-04	MINOR SITE ID SIGN AND BULLETIN BOARD DETAILS	2/14/2019
D-05	SIGN PLAN AND INSTALLATION DETAILS	2/14/2019
CS-01	CONSTRUCTION STAKEOUT PLAN	2/5/2019

RECOMMENDED BY:

FOREST ENGINEER

DATE

DISTRICT RANGER

DATE

FOREST SUPERVISOR

DATE

RO FACILITIES PROGRAM MANAGER

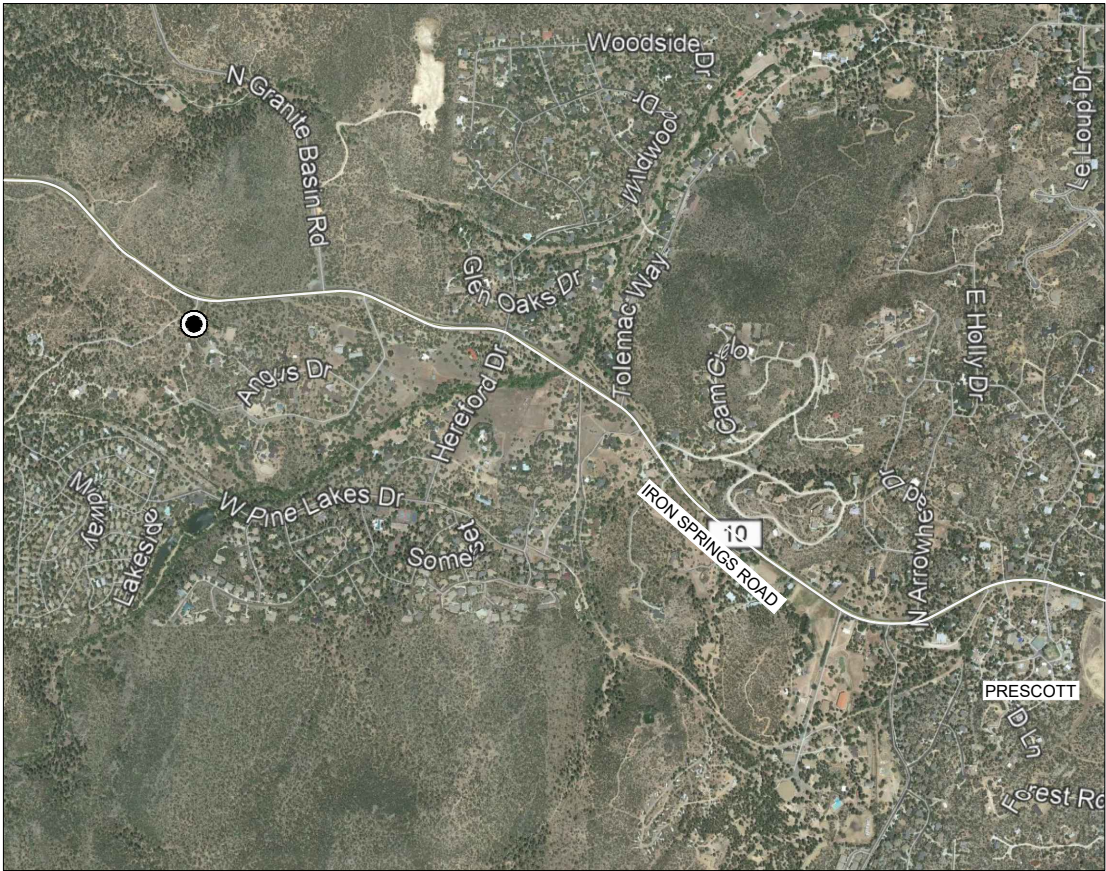
DATE

APPROVED:

DIRECTOR OF ENGINEERING

DATE





VICINITY MAP



PROJECT LOCATION



PROJECT DESCRIPTON:

FURNISH THE NECESSARY MATERIALS TO RECONSTRUCT ONE (1) TRAILHEAD PARKING AREA. WORK INCLUDES EXCAVATION AND SITE GRADING, AGGREGATE SURFACING, PLACEMENT OF BARRIER ROCKS, PICNIC TABLE AND CURB STOPS, AND INSTALLATION OF SIGNS, BULLETIN BOARDS AND PRECAST CONCRETE COMFORT STATIONS AND VAULTS.

ESTIMATE OF QUANTITIES					
ITEM NO.	ITEM DESCRIPTION	PAY UNIT	METHOD OF MEAS	QUANTITIES	NOTES
010250	CONSTRUCTION SURVEY AND STAKING	LUMP SUM	LSQ	ALL	STAKEOUT POINTS PROVIDED IN THE DRAWINGS.
011900	MOBILIZATION	LUMP SUM	LSQ	ALL	
022060	LOOSE RIPRAP ROCK	CY	CQ	46	PLACED ALONG DITCH LINE, AS SHOWN ON THE DRAWINGS. WORK INCLUDES REQUIRED EXCAVATION (66 CY) TO SUBGRADE.
101110	BULLETIN BOARD WITH ACCESSIBLE AREA, INCLUDING AGGREGATE SURFACE COURSE	LUMP SUM	LSQ	ALL	INCLUDES AGGREGATE SURFACING, GRADING "G"
101400	SIGNS - REGULATORY & DIRECTIONAL (ALUMINUM)	EACH	AQ	10	INCLUDES SIGN POSTS
101415	ADDITIVE ITEM: MINOR SITE I.D. SIGN (HDPE)	EACH	AQ	1	
129410	ADDITIVE ITEM: SINGLE UNIT PICNIC PADS	EACH	AQ	2	INCLUDES SITE PREPARATION AND GRADING, TABLE, 3/8" MINUS SURFACING, AND INSTALLATION OF FURNISHED PICNIC TABLE.
133401	ADDITIVE ITEM: SINGLE UNIT PRECAST CONCRETE VAULT COMFORT STATION	EACH	AQ	1	
133460	ADDITIVE ITEM: PRECAST CONCRETE VAULT COMFORT STATION INSTALLATION, INCLUDING PATHWAYS/APRONS	LUMP SUM	LSQ	ALL	INCLUDES AGGREGATE SURFACING FOR THE APRONS AROUND THE COMFORT STATIONS (APPROX. 210 SF).
311000	CLEARING AND GRUBBING	LUMP SUM	LSQ	ALL	CLEARING AND GRUBBING WITHIN THE CLEARING LIMITS DESIGNATED ON THE DRAWINGS.
312100-1	PROJECT SITE PREPARATION AND GRADING	LUMP SUM	LSQ	ALL	INCLUDES FOUNDATION PREPARATION FOR BULLETIN BOARD, ROADWAYS AND PARKING AREAS.
312100-2	ADDITIVE ITEM: PATHWAYS, INCLUDING AGGREGATE SURFACING	LF	AQ	55	
321204	CRUSHED AGGREGATE SURFACE COURSE FOR PARKING AREAS - GRADING "G"	CY	CQ	131	ROADWAY AND PARKING AREA SURFACING ONLY
322205	BARRIER ROCKS (COMMERCIAL SOURCE), FURNISHED AND PLACED	EACH	AQ	20	PLACED WHERE STAKED IN THE FIELD BY THE CONTRACTING OFFICER.
322622	PRECAST CONCRETE CURB - 6 FOOT LENGTH	EACH	AQ	14	
322640	PAVEMENT MARKING - CROSSWALK, 5 FT WIDE (REFLECTORIZED WHITE)	EACH	AQ	1	
329206	SEEDING	LUMP SUM	LSQ	ALL	PLACE OVER ALL FINISHED CUT AND FILL SLOPES
332228	FURNISH AND INSTALL 24" CULVERT PIPE, 2-2/3" X 1/2" CORRUGATIONS, 16 GAGE	LF	AQ	30	GALVANIZED STEEL, CORRUGATED METAL PIPE

DEFINITIONS:  
AQ ACTUAL QUANTITY  
CQ CONTRACT QUANTITY  
LSQ LUMP SUM QUANTITY  
LS LUMP SUM  
LF LINEAR FEET  
CY CUBIC YARD  
SF SQUARE FEET



United States Department of Agriculture  
Forest Service

(R03)  
SOUTHWESTERN REGION

PROJECT NAME

SPENCE SPRINGS  
TRAILHEAD  
RECONSTRUCTION

PRESCOTT NATIONAL  
FOREST

BRADSHAW RANGER  
DISTRICT

DRAWING TITLE

VICINITY MAP, PROJECT  
DESCRIPTION &  
SCHEDULE OF ITEMS

DATE

02/05/2019

ARCHIVE NO.

Spence Springs Site Details.dwg

DESIGNER

M. ALANIZ

DWG SHEET NO.

G-02

DRAWN

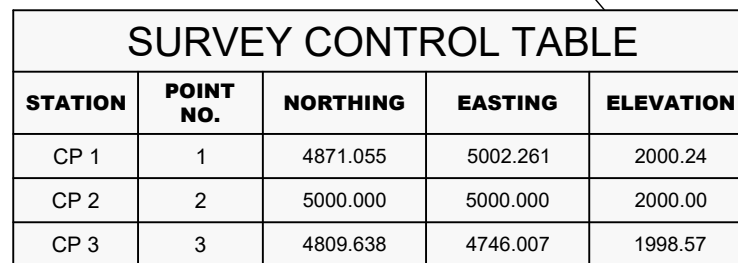
M. ALANIZ

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S. BINGHAM

PROJECT NO.

SHEET 02 OF 13



1. IN THE EVENT THAT PREVIOUSLY UNDISCOVERED CULTURAL RESOURCES ARE ENCOUNTERED DURING THE COURSE OF THE PROJECT, ALL GROUND-DISTURBING ACTIVITIES WILL BE HALTED UNTIL EVALUATED BY A GOVERNMENT ARCHAEOLOGIST. IF NECESSARY, THE PROJECT MAY BE MODIFIED IN ORDER TO PROTECT RESOURCES BEFORE WORK CONTINUES.
2. POINTS SHOWN IN TABLE ABOVE ARE IN USE SURVEY FEET, BASED ON AN ARBITRARY COORDINATE SYSTEM
3. ROAD ALIGNMENT GEOMETRY, COORDINATES AND ELEVATION ARE PROVIDED IN THE PLANSET.
4. NOTIFY THE CONTRACTING OFFICER OF ANY MISSING CONTROL POINTS PRIOR TO STAKING FOR THE AFFECTED WORK. THE CONTRACTOR SHALL PROVIDE THEIR OWN CONTROL POINTS AS NEEDED, IN ORDER TO COMPLETE THE REQUIRED WORK.
5. ALL PROPERTY LINE FEATURES, SUCH AS FENCING AND CATTLEGUARDS, SHALL NOT BE DISTURBED DURING CONSTRUCTION.
6. OAK TREE CLUSTERS SHOWN BELOW ARE APPROXIMATE LOCATIONS.



(R03)  
SOUTHWESTERN REGION

# SPENCE SPRINGS TRAILHEAD RECONSTRUCTION

**PRESCOTT NATIONAL  
FOREST**

**BRADSHAW RANGER  
DISTRICT**

## SITE MAP

01/31/2019

ARCHIVE NO.

Spence Springs Site Details.dwg

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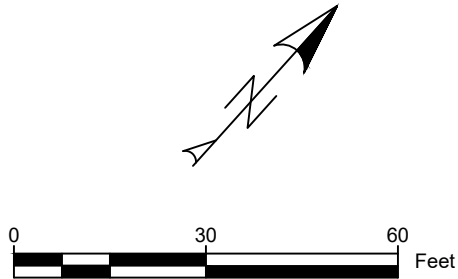
PROJECT NO.

DWG SHEET NO.
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**S-01**

SHEET 03 OF 13

2/20/19 10:58 MALANIZ D:\PRESCOTT\SPENCE SPRINGS\SPENCE SPRINGS SITE DETAILS.DWG;



SHEET NOTES:

- 1. SEE "R" SHEETS FOR ROAD DESIGN.
- 2. SEE "D" SHEETS FOR SITE FURNISHING DETAILS.
- 3. SEE SHEETS "D-01" FOR PATHWAY DETAILS.
- 4. SEE SHEET "D-05" FOR SIGN INSTALLATION DETAILS.
- 5. EXCAVATED MATERIAL IS DESIGNATED AS UNCLASSIFIED, AND ALL EARTHWORK VOLUMES SHOWN ARE MEASURED "IN-PLACE".
- 6. CONSTRUCTION STAKING SHALL BE COMPLETED BY THE CONTRACTOR AND APPROVED BY THE CONTRACTING OFFICER.
- 7. THE CONTRACTOR SHALL ONLY STAGE EQUIPMENT WITHIN THE CLEARING LIMITS OF THE PROJECT. EQUIPMENT MAY ALSO BE STAGED ALONG PAVED ROAD ADJACENT TO THE PROJECT, BUT NEVER ALONG IRON SPRINGS ROAD.
- 8. CLEARING LIMITS SHALL BE AS NOTED IN THE SPECIFICATIONS AND DRAWINGS. THE CONTRACTOR SHALL CONFINE ALL OPERATIONS AND ACTIVITIES TO WITHIN THE CLEARING LIMITS.
- 9. INCORPORATE EXCESS EXCAVATION INTO NEW FILLSLOPES.

EARTHWORK QUANTITIES (IN PLACE VOLUME)		
LOCATION	CUT (CY)	FILL (CY)
ROADWAY AND PARKING AREA	148	124
ROADSIDE DITCH AND NEW CULVERT	66	0
COMFORT STATION FOUNDATION	0	22
PICNIC PAD (WEST)	0	23
PICNIC PAD (EAST)	0.3	1
PATHWAYS	0.5	1
TOTAL	215	169



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PROJECT NAME

SPENCE SPRINGS  
TRAILHEAD  
RECONSTRUCTION

PRESCOTT NATIONAL  
FOREST

BRADSHAW RANGER  
DISTRICT

DRAWING TITLE

SITE PLAN

DATE

01/31/2019

ARCHIVE NO.

Spence Springs Site Details.dwg

DESIGNER

M. ALANIZ

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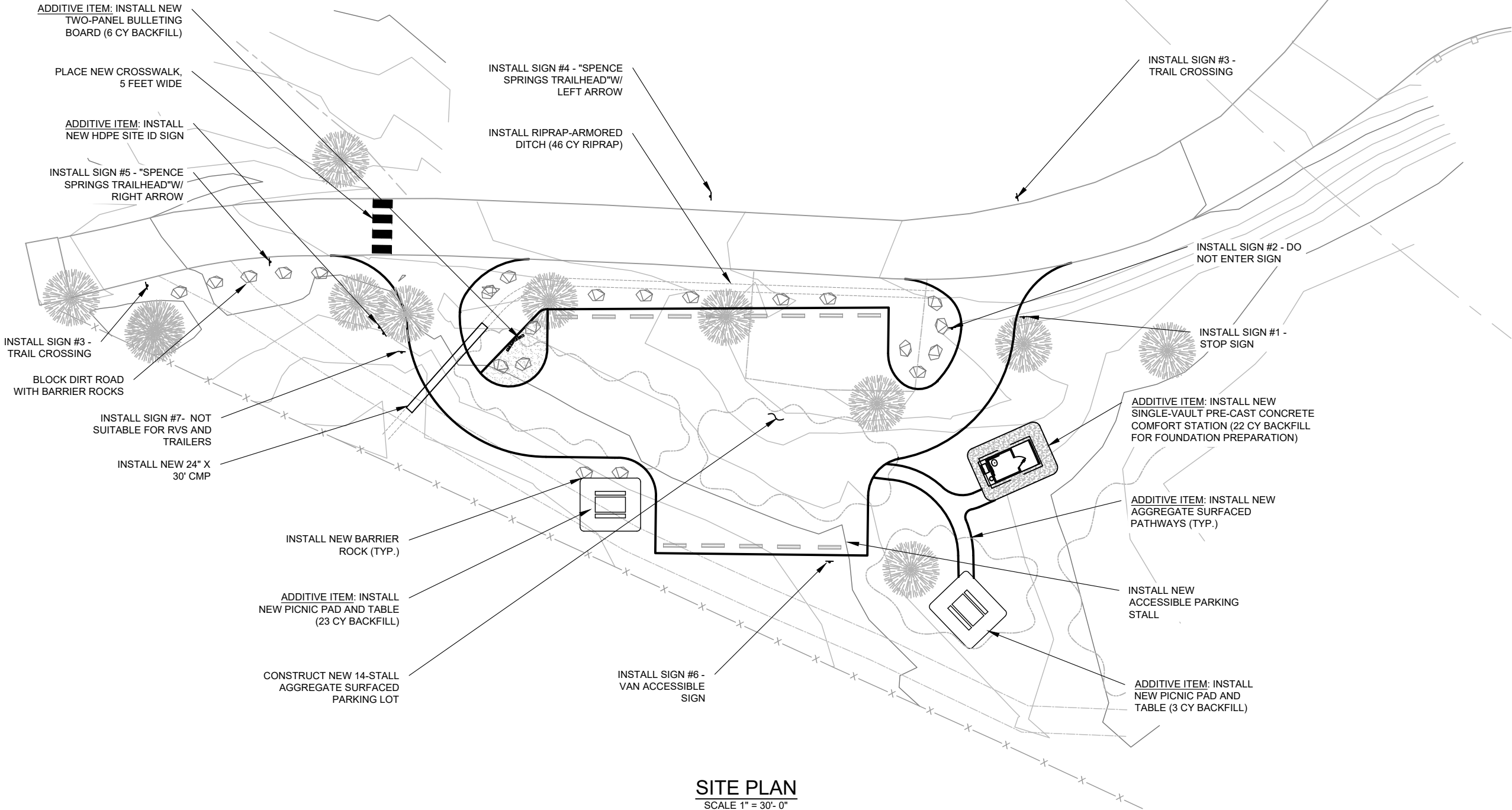
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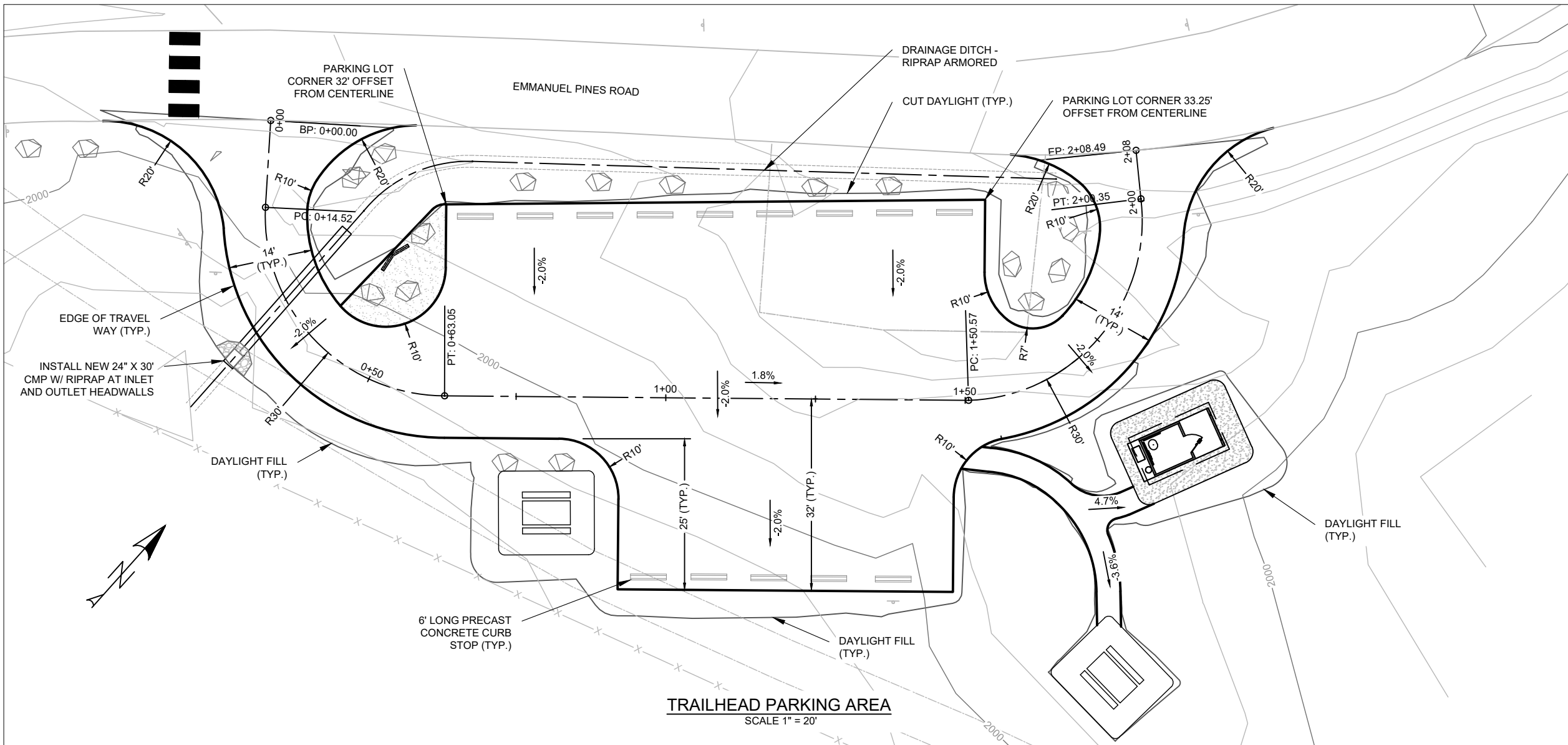
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SHEET 04 OF 13





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PROJECT NAME

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PRESCOTT NATIONAL  
FOREST

BRADSHAW RANGER  
DISTRICT

DRAWING TITLE

ROADWAY PLAN AND  
PROFILE

DATE

01/31/2019

ARCHIVE NO.

Spence Springs Site Details.dwg

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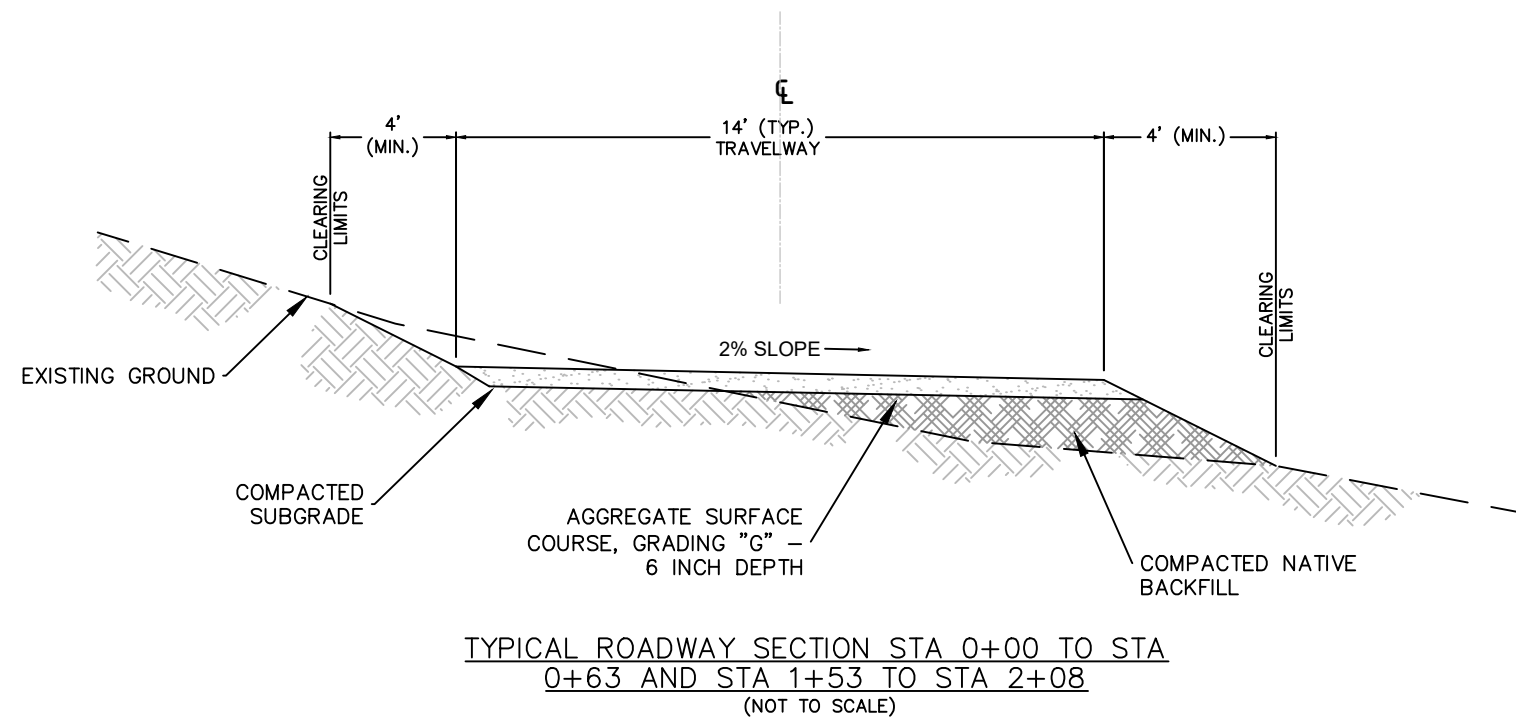
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DWG SHEET NO.

R-01

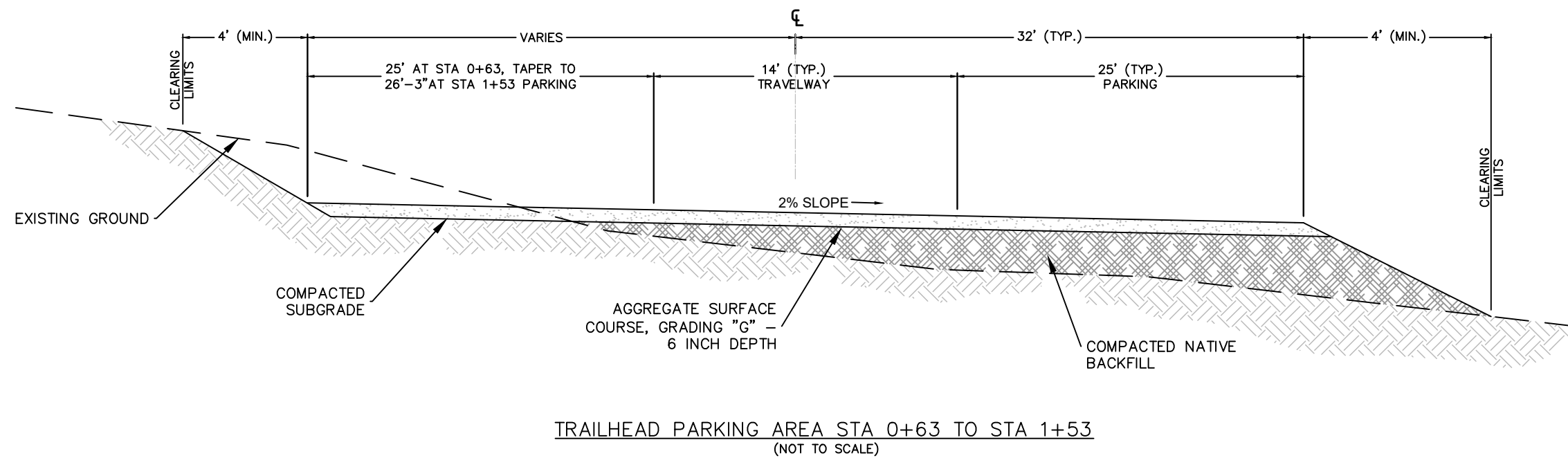
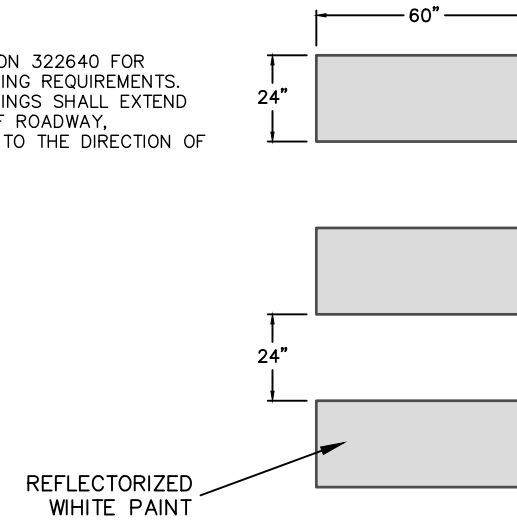
SHEET 05 OF 13

2/20/19 10:58 MALANIZ D:\\_PRESCOTT\ SPENCE SPRINGS\SPENCE SPRINGS SITE DETAILS.DWG;



NOTES

1. SEE SPECIFICATION 322640 FOR PAVEMENT MARKING REQUIREMENTS.
2. PAVEMENT MARKINGS SHALL EXTEND ENTIRE WIDTH OF ROADWAY, PERPENDICULAR TO THE DIRECTION OF TRAVEL.



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FOREST

BRADSHAW RANGER  
DISTRICT

DRAWING TITLE

TYPICAL ROADWAY  
CROSS SECTIONS  
AND CROSSWALK

DATE

02/05/2019

ARCHIVE NO.

Spence Springs Site Details.dwg

DESIGNER

M. ALANIZ

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M. ALANIZ

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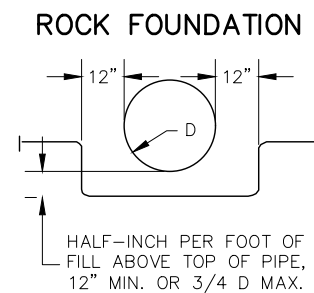
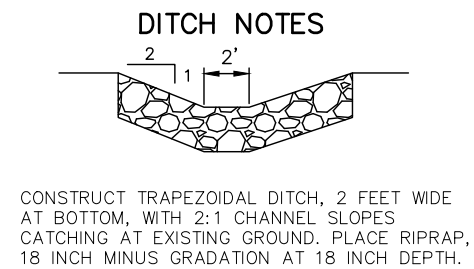
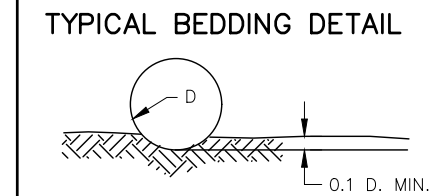
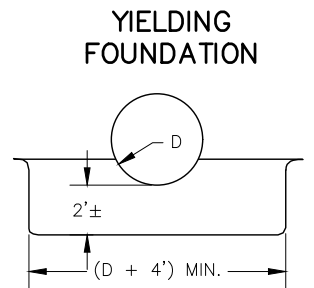
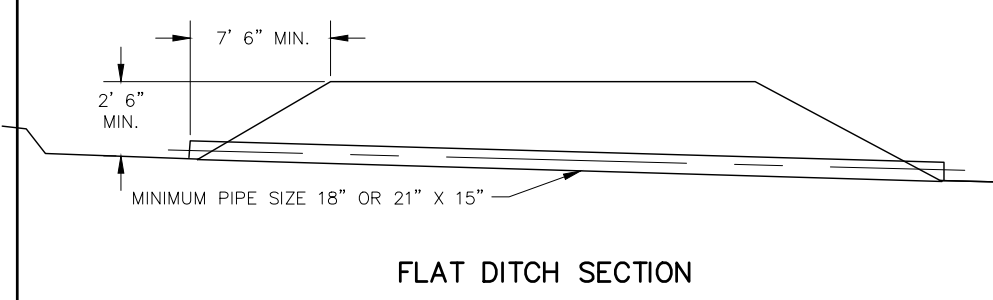
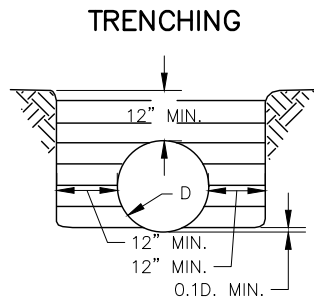
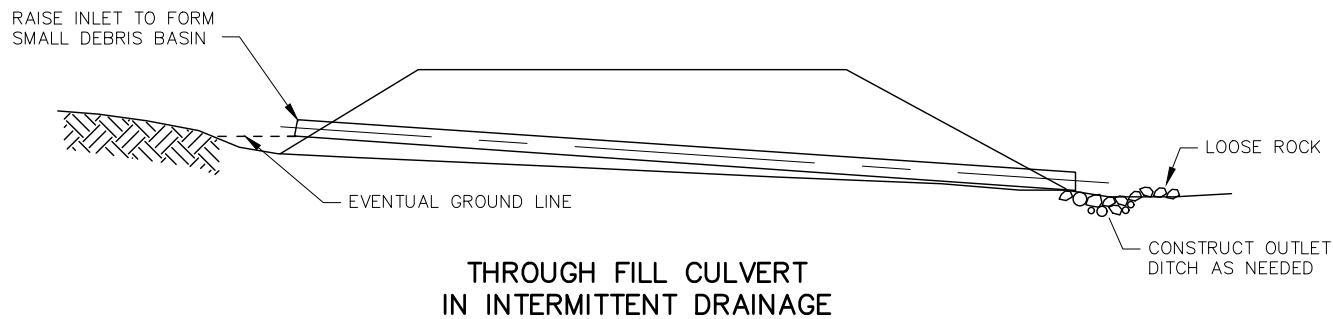
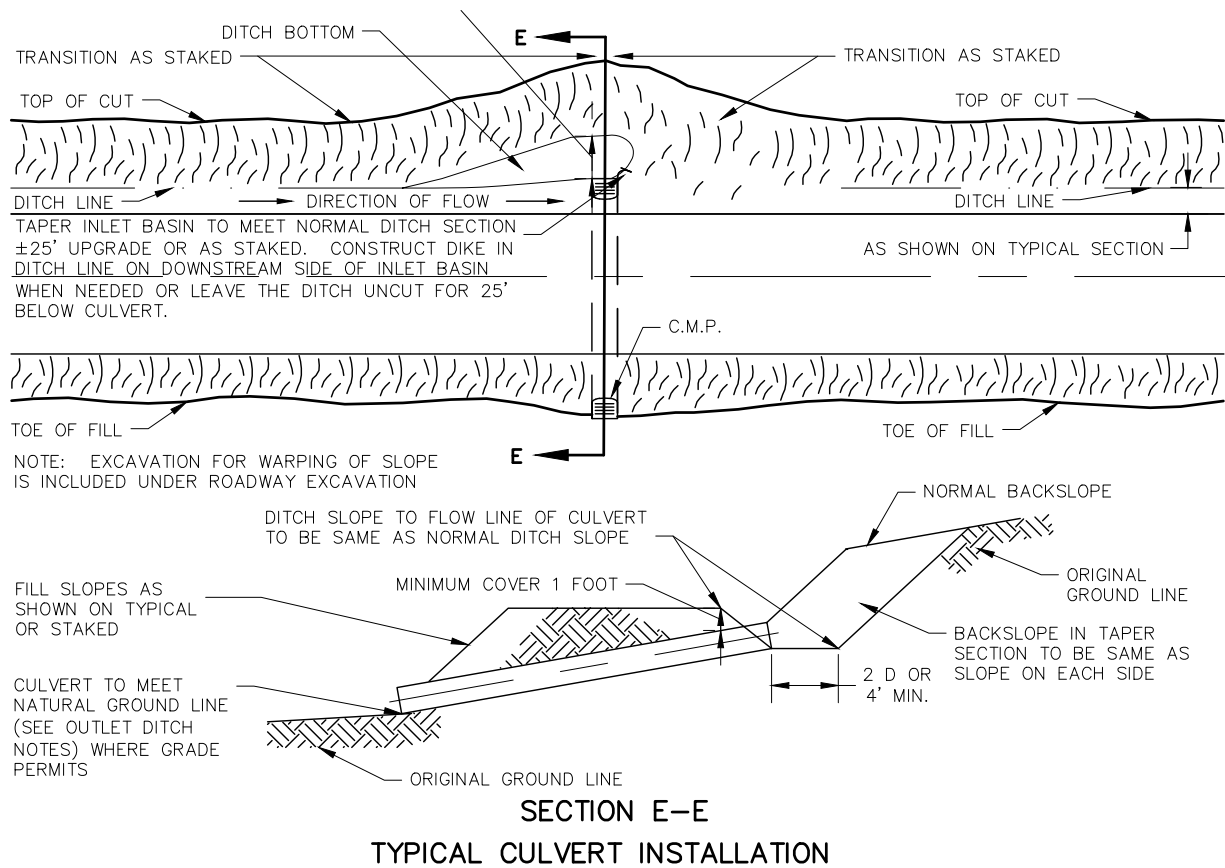
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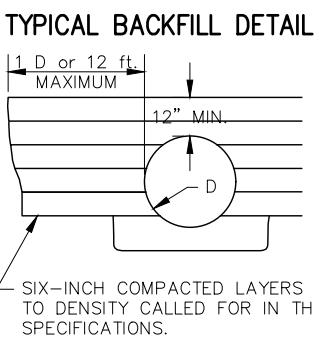
R-02

SHEET 06 OF 13

2/20/19 10:58 MALANIZ D:\PRESCOTT\ SPENCE SPRINGS\R-03\_CULVERT\INSTALLATION.DWG:



PIPE — ARCH	
SPAN "S"	"F"
UP TO 24"	12" MIN.
24" TO 108"	1/3 "S" MIN.
108" TO 189"	36" MIN.



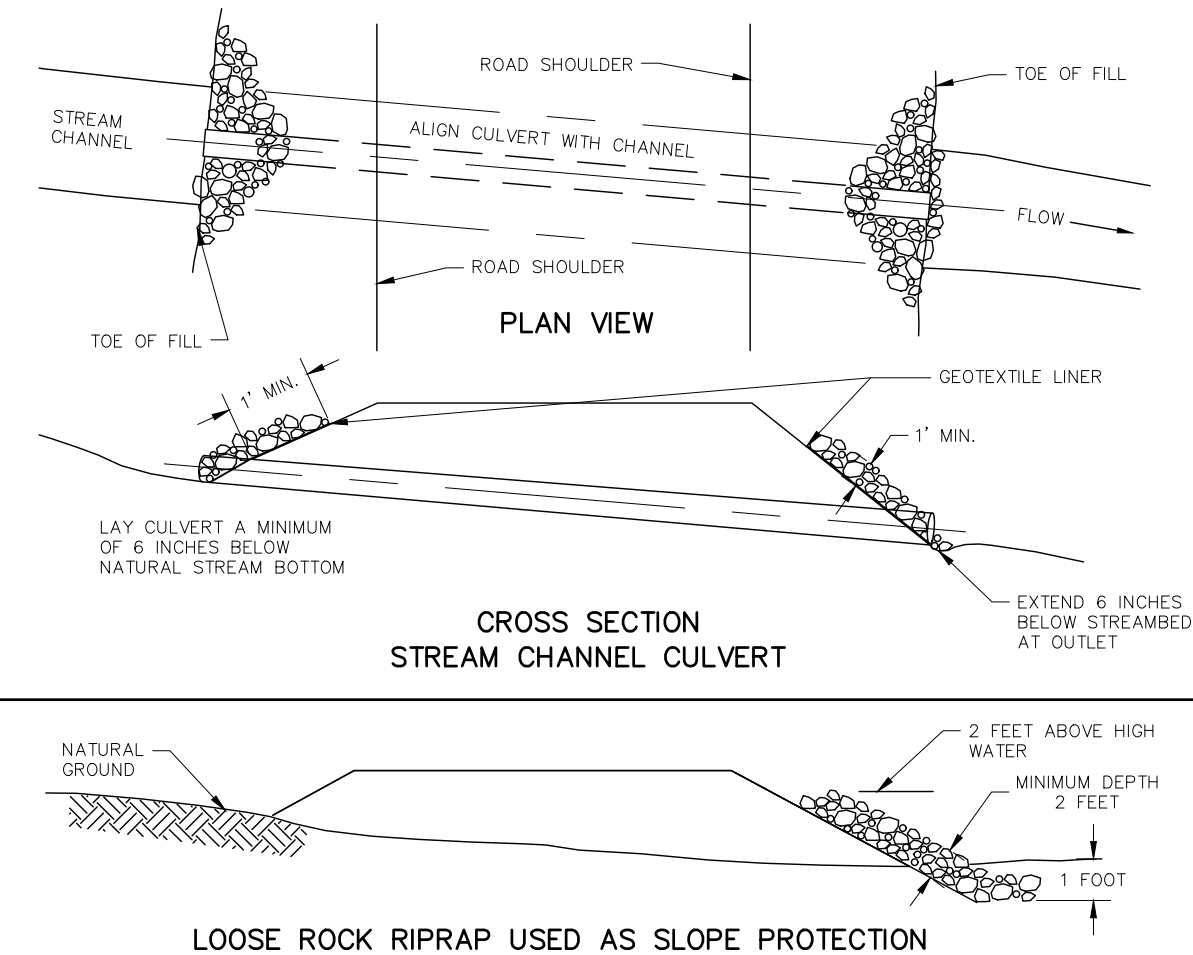
ROUND PIPES	
DIAMETER "D"	"F"
UP TO 24"	12" MIN.
24" TO 72"	1/2 "D" MIN.
72" TO 108"	36" MIN.

**GENERAL NOTES**

CAMBER: PIPES SHALL BE CAMBERED AS NECESSARY TO COMPENSATE FOR ANY ANTICIPATED SETTLEMENT IN THE FOUNDATION OR BED. NORMALLY, CAMBER IS 1% OF THE PIPE LENGTH BUT NOT TO EXCEED 3/4 DIAMETER OF THE PIPE. CAMBER SHALL BE ON A PARABOLIC CURVE, WITH NO POINT ALONG THE INVERT BEING HIGHER THAN THE INVERT AT THE INLET.

FILL: A MINIMUM OF 1'0" OF COVER WILL BE REQUIRED OVER GALVANIZED STEEL PIPE. A MINIMUM FLOW GRADE OF 2% WILL BE USED IN ANY INSTALLATION, PREFERRED FLOW GRADE OF 8% WILL BE USED WHERE POSSIBLE.

TREATMENT OF DAMAGED SPELTER: THE DAMAGED OR CORRODED ENDS OF EXISTING METAL PIPE TO BE EXTENDED SHALL BE REMOVED. IF THE DAMAGED END IS FLAME CUT, THE BURNED SPELTER ON THE GALVANIZED PIPE SHALL BE WIRE BRUSHED TO CLEAN METAL, AND THE AREA SHALL BE PAINTED WITH TWO COATS OF PAINT, HIGH IN ZINC CONTENT, FOR REPAIR OF THE GALVANIZED SURFACES.



**USDA** **FOREST SERVICE**  
United States Department of Agriculture  
Forest Service  
(R03)  
SOUTHWESTERN REGION

PROJECT NAME  
**SPENCE SPRINGS TRAILHEAD RECONSTRUCTION**  
**PRESCOTT NATIONAL FOREST**  
**BRADSHAW RANGER DISTRICT**

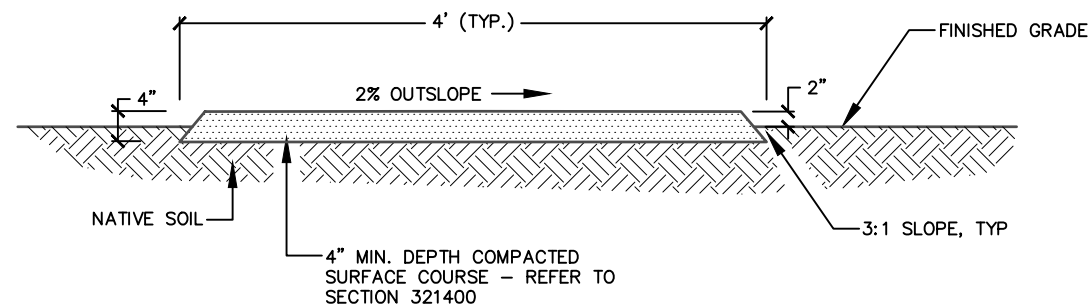
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**CULVERT INSTALLATION DETAILS**

DATE  
**02/14/2019**

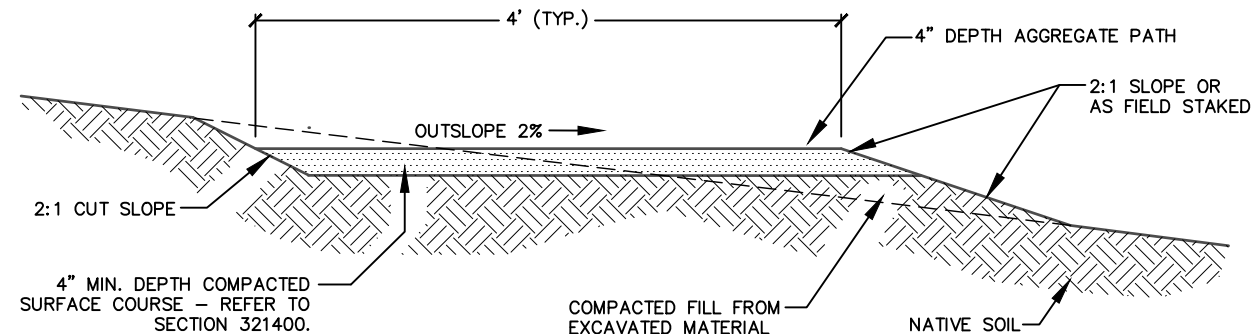
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**R-03\_Culvert.Installation.dwg**

DESIGNER <b>M. ALANIZ</b>	DWG SHEET NO. <b>R-03</b>
DRAWN <b>M. ALANIZ</b>	
CHECKED <b>S. BINGHAM</b>	
PROJECT NO.	SHEET <b>07</b> OF <b>13</b>

2/20/19 10:57 MALANIZ D:\PRESCOTT\SPENCE SPRINGS\SD-01\ROADWAY\PATHWAY.DWG;



ON-GRADE SECTION



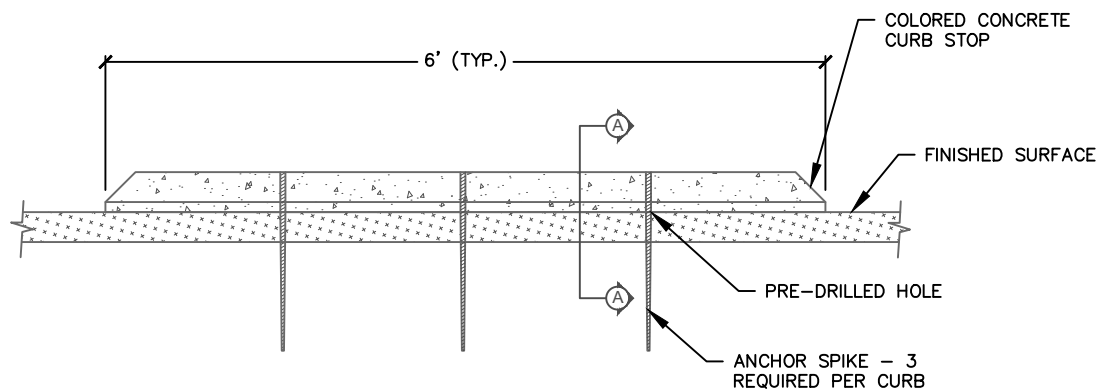
CUT AND FILL SECTION

NOTE:

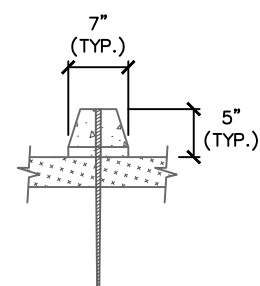
1. PATHS SHOULD BE 5% SLOPE OR LESS; HOWEVER, THE CONTRACTING OFFICERS REPRESENTATIVE MAY APPROVE PATHS THAT SLOPE 8.33% FOR UP TO 50 FEET, OR 10% FOR UP TO 30 FEET. NO MORE THAN 15% OF THE TOTAL LENGTH OF A PATH MAY EXCEED AN 8.33% SLOPE. CROSS SLOPES SHOULD NOT EXCEED 2% BUT MAY BE UP TO 3% TO ENSURE PROPER DRAINAGE.
2. PATHS SHALL BE STAKED TO SIT ON EXISTING GROUND (WHERE POSSIBLE) AS SHOWN ON THESE DRAWINGS.

TYPICAL AGGREGATE PATH DETAIL

(NO SCALE)



ELEVATION



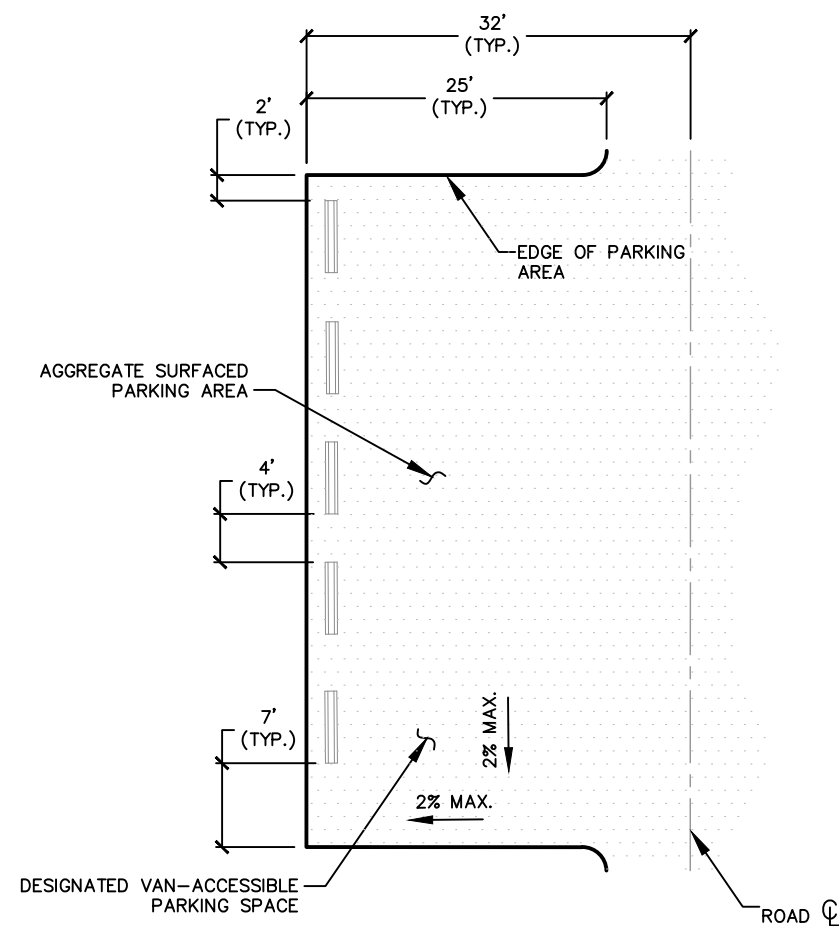
SECTION A-A

NOTES:

1. SEE SPECIFICATION 322622 FOR WHEEL STOP STYLE AND SIZE.
2. INSTALL PER MANUFACTURERS SPECIFICATIONS.

CONCRETE CURB STOP DETAIL

(NO SCALE)



PARKING SPACE DIMENSIONS

(NO SCALE)



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FOREST

BRADSHAW RANGER  
DISTRICT

DRAWING TITLE

ROADWAY AND  
PATHWAY DETAILS

DATE

02/14/2019

ARCHIVE NO.

D-01\_Roadway.Pathway.dwg

DESIGNER

M. ALANIZ

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PROJECT NO.

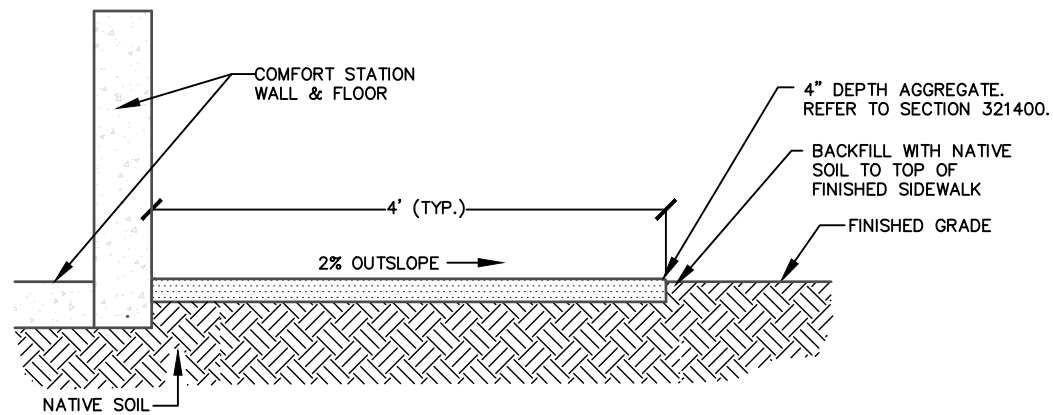
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D-01

SHEET 08 OF 13



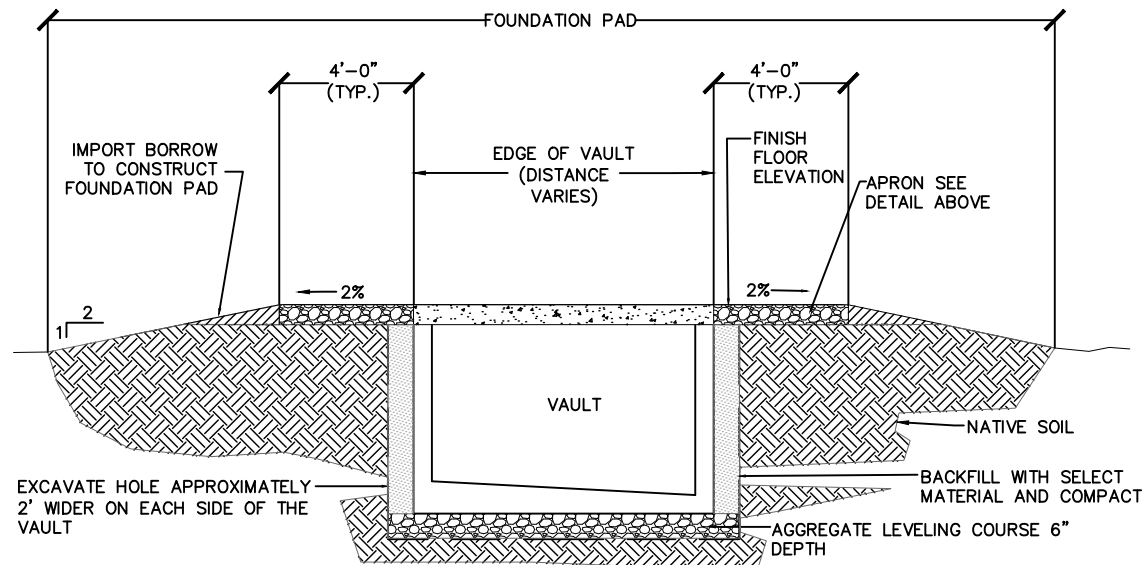
2/20/19 10:59 MALANIZ D:\PRESCOTT\ SPENCE SPRINGS\D-02\_VAULT TOILET.DWG.DWG;



AGGREGATE APRON PATH INSTALLATION  
(NO SCALE)

NOTES:

1. FINAL GRADING SHALL ENSURE POSITIVE DRAINAGE AWAY FROM THE BUILDINGS AT 2% SLOPE.
2. PATHWAYS AROUND THE BUILDINGS SHALL BE CONSTRUCTED AS SHOWN IN PATH INSTALLATION DETAIL ABOVE.

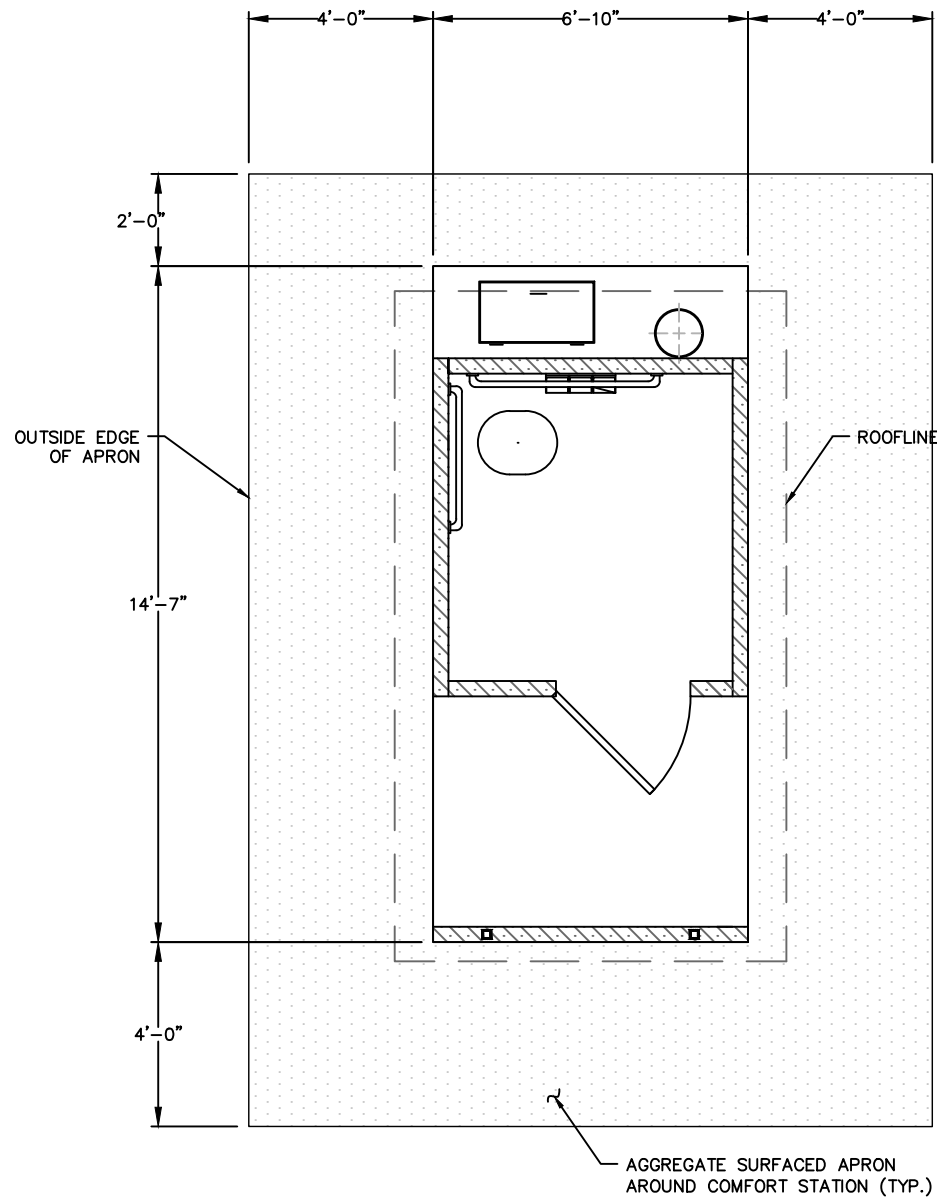


\* SINGLE-UNIT VAULT SIZE IS APPROXIMATELY  
14'-7" X 6'-10" X 4'-4" DEEP

COMFORT STATION VAULT INSTALLATION  
(NO SCALE)

NOTES:

1. COMFORT STATION SHALL BE MODEL: SINGLE GUNNISON MANUFACTURED BY CXT INCORPORATED OR AN APPROVED EQUAL. SEE SPECIFICATIONS SECTION 133401.
2. ENTRY DOORS SHALL BE KEYED DEADBOLT, INCLUDING AN EXTERIOR PULL HANDLE AND INTERIOR PUSH PLATE ON DOOR.
3. ALL DEADBOLTS SHALL BE FOREST SERVICE YALE LOCK, BUILT TO ACCEPT GOVERNMENT FURNISHED YALE LOCKSET.
4. THE CONTRACTOR SHALL HAVE FOUNDATION PAD COMPLETED A MINIMUM 48 HOURS PRIOR TO THE ARRIVAL OF THE CXT INSTALLER.



SINGLE-UNIT VAULT COMFORT STATION LAYOUT  
(NO SCALE)



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FOREST

BRADSHAW RANGER  
DISTRICT

DRAWING TITLE

SINGLE VAULT  
COMFORT STATION  
INSTALLATION

DATE

02/14/2019

ARCHIVE NO.

D-02\_Vault Toilet.dwg

DESIGNER

M. ALANIZ

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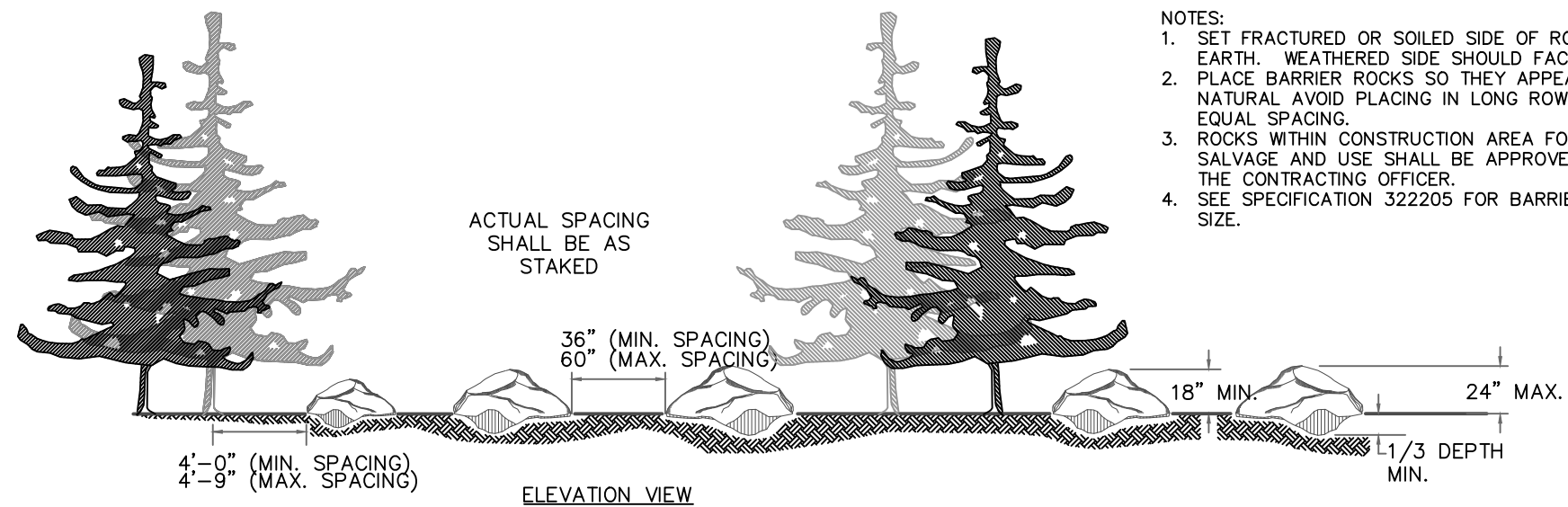
S. BINGHAM

PROJECT NO.

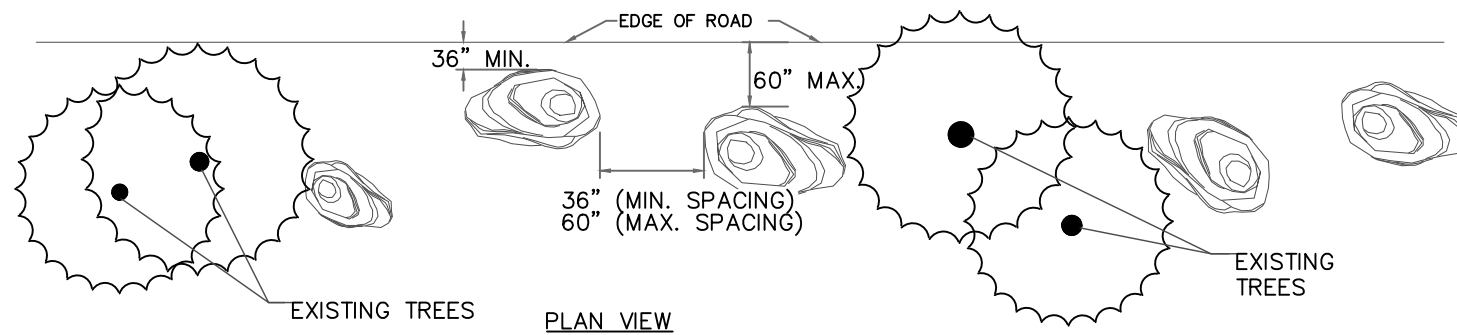
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D-02

SHEET 09 OF 13

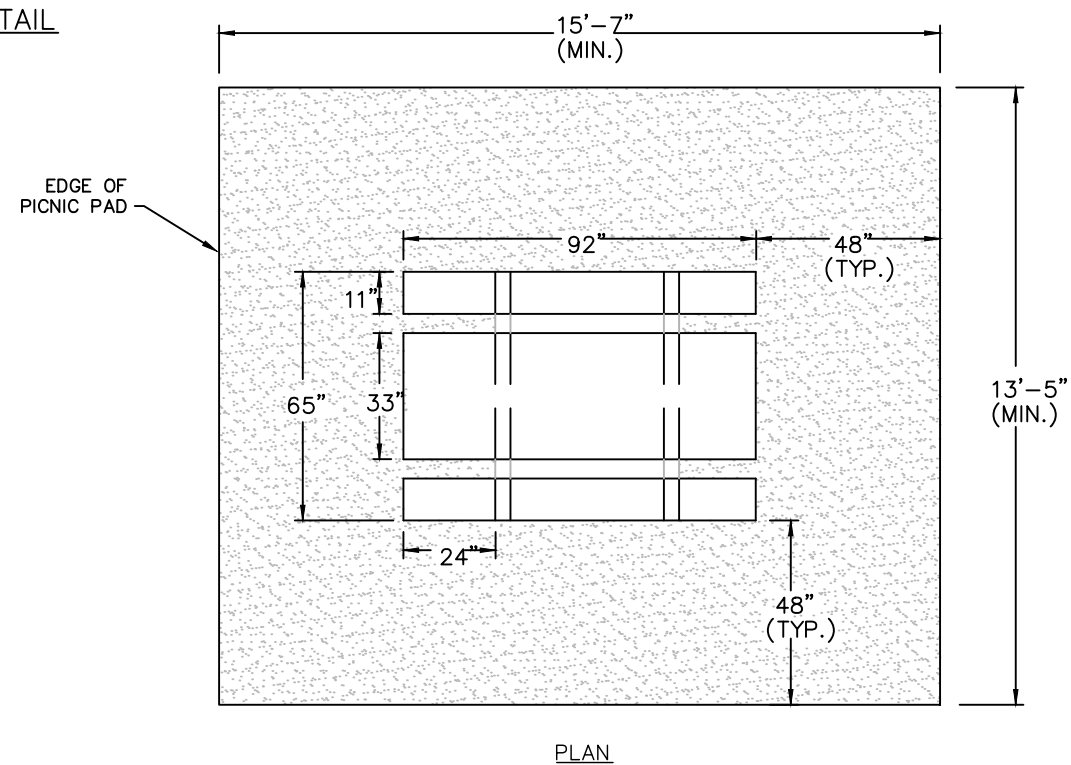
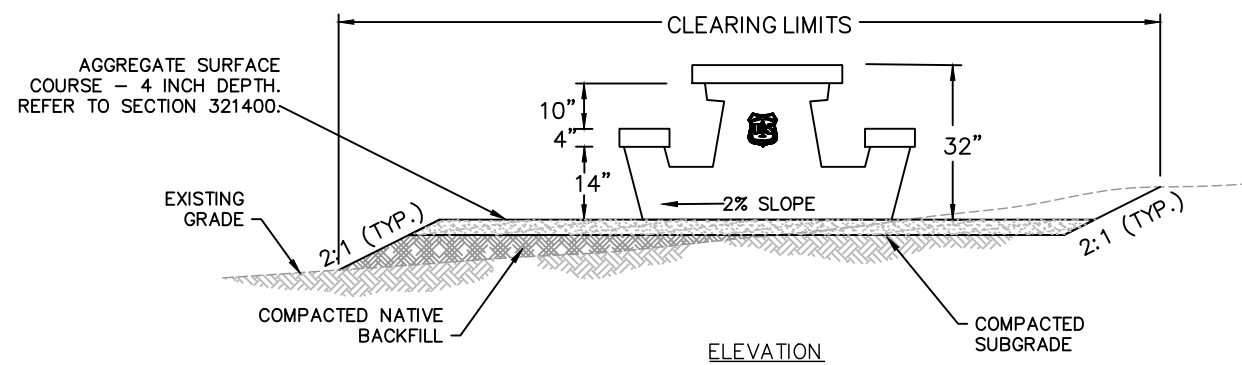


- NOTES:
1. SET FRACTURED OR SOILED SIDE OF ROCK INTO EARTH. WEATHERED SIDE SHOULD FACE UP.
  2. PLACE BARRIER ROCKS SO THEY APPEAR AS NATURAL AVOID PLACING IN LONG ROWS WITH EQUAL SPACING.
  3. ROCKS WITHIN CONSTRUCTION AREA FOR SALVAGE AND USE SHALL BE APPROVED BY THE CONTRACTING OFFICER.
  4. SEE SPECIFICATION 322205 FOR BARRIER ROCK SIZE.



PICNIC TABLE NOTES:

1. TABLE SHALL BE MODEL #100FSS, 92" LONG  
SMOOTH TOP PICNIC TABLE WITH SMOOTH STYLE  
FS LEGS, 24" LEG INSET, FS LOGO FORMED IN  
SUPPORT, PADRE BROWN, INTEGRAL COLORED  
CONCRETE OR APPROVED EQUAL.
2. AVAILABLE FROM:  
  
OUTDOOR CREATIONS, INC.  
2270 BARNEY RD.  
ANDERSON CA, 96007  
PHONE: 530.365.6106  
FAX: 530.365.5129



PICNIC TABLE AND PAD DETAIL  
(NO SCALE)



United States Department of Agriculture  
Forest Service

(R03)  
SOUTHWESTERN REGION

PROJECT NAME

# SPENCE SPRINGS TRAILHEAD RECONSTRUCTION

**PRESCOTT NATIONAL  
FOREST**

**BRADSHAW RANGER  
DISTRICT**

DRAWING TITLE

## BARRIER ROCK AND PICNIC PAD DETAILS

DATE \_\_\_\_\_

02/14/2019

ARCHIVE NO.

D-03\_Picnic.Pad\_Barrier.Rock.dwg

DESIGNER

M. ALANIZ

DRAWN

M. ALANIZ

CHECKED

S. BINGHAM

PROJECT NO.

DWG SHEET NO.

**D-03**

SHEET 10 OF 13



United States Department of Agriculture  
Forest Service

(R03)  
SOUTHWESTERN REGION

PROJECT NAME

SPENCE SPRINGS  
TRAILHEAD  
RECONSTRUCTION

PRESCOTT NATIONAL  
FOREST

BRADSHAW RANGER  
DISTRICT

DRAWING TITLE

MINOR SITE ID SIGN &  
INFORMATION BULLETIN  
BOARD DETAILS

DATE

02/14/2019

ARCHIVE NO.

D-04\_Minor.SiteID\_Bulletin.Board.dwg

DESIGNER

M. ALANIZ

DRAWN

M. ALANIZ

CHECKED

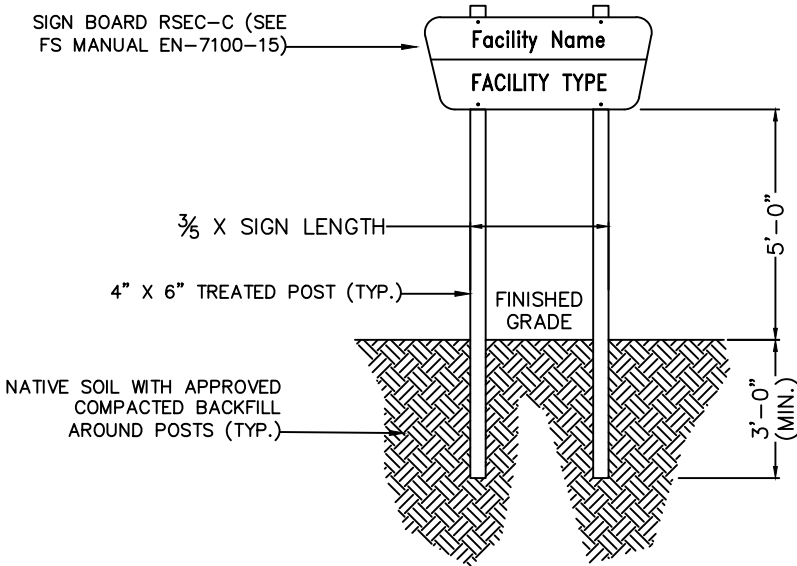
S. BINGHAM

PROJECT NO.

DWG SHEET NO.

D-04

SHEET 11 OF 13



MINOR SITE ID SIGN TYPICAL  
(REQUIRES DOUBLE 4\"/>



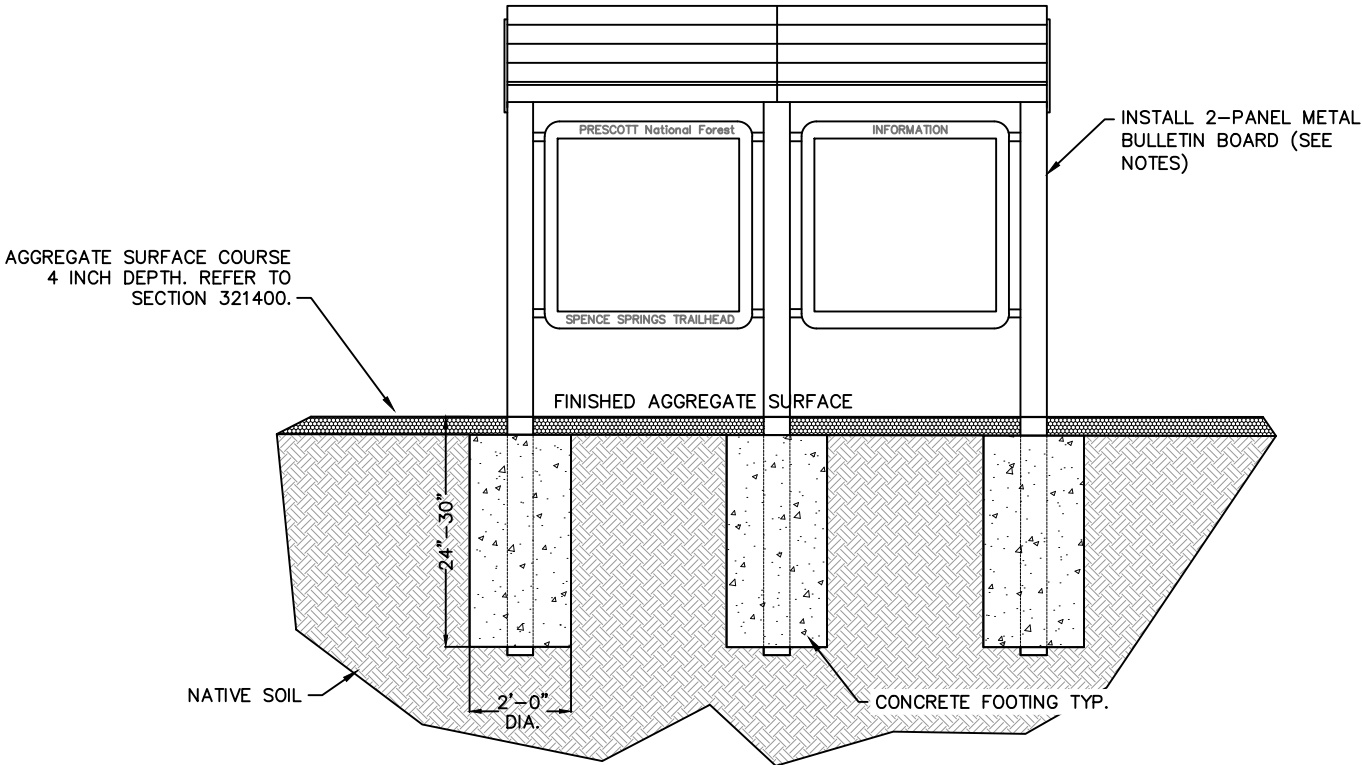
TOP LEGEND  
BROWN LETTER (FEDERAL STANDARD 595 NO. 20059) ON  
YELLOW-CREAM (FEDERAL STANDARD 595 NO. 23695) BACKGROUND

BOTTOM LEGEND  
YELLOW-CREAM (FEDERAL STANDARD 595 NO. 23695) ON BROWN  
LETTER (FEDERAL STANDARD 595 NO. 20059) BACKGROUND

NOTES

- DIMENSIONS FOR SIGN INSTALLATION ARE SCHEMATIC.
- SIGNS WILL BE LOCATED BY THE CONTRACTING OFFICER.
- SEE SPECIFICATION 101415 FOR SIGN POST MATERIALS AND SPECIFICATION 101415 FOR HDPE SIGN FABRICATION.
- ALL SIGNS SHALL BE INSTALLED USING VANDAL RESISTANT BOLTS AND NUTS.
- ALL SIGNS SHOULD BE IN ACCORDANCE WITH FS MANUAL EM 7100-15 CHAPTER7B.

MINOR SITE ID SIGN RSE-C TABLE												
SIGN #	SIGN PANEL TEXT		PANEL DIMENSIONS				LAYOUT DIMENSIONS MEASURED FROM BOTTOM OF PANEL (INCHES)			LETTER SIZE (INCHES)		MATERIAL
	FACILITY NAME (UPPER PANEL)	FACILITY TYPE (LOWER PANEL)	H	L	R	S	A	B	C	FACILITY NAME ASA SERIES D (INITIAL CAPS LOWER CASE)	FACILITY TYPE ASA SERIES D (UPPER CASE)	
MS1	Spence Springs	TRAILHEAD	24	60	4	4 3/4	5	13	16 1/4	5	5	HDPE

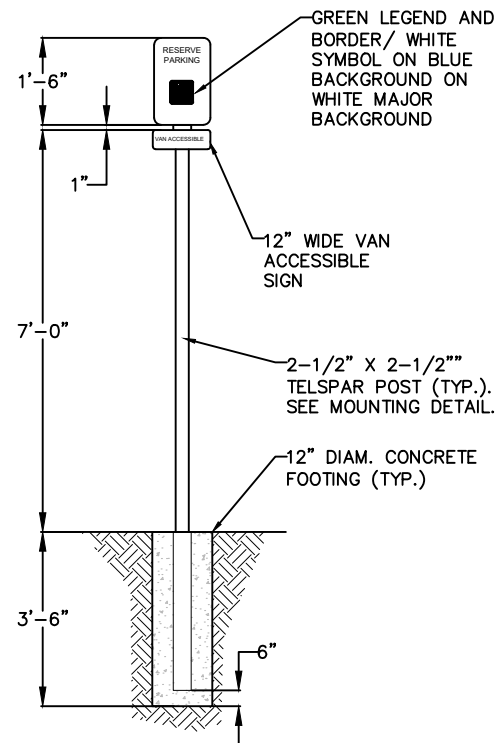


BULLETIN BOARD TYPICAL DETAIL  
NTS

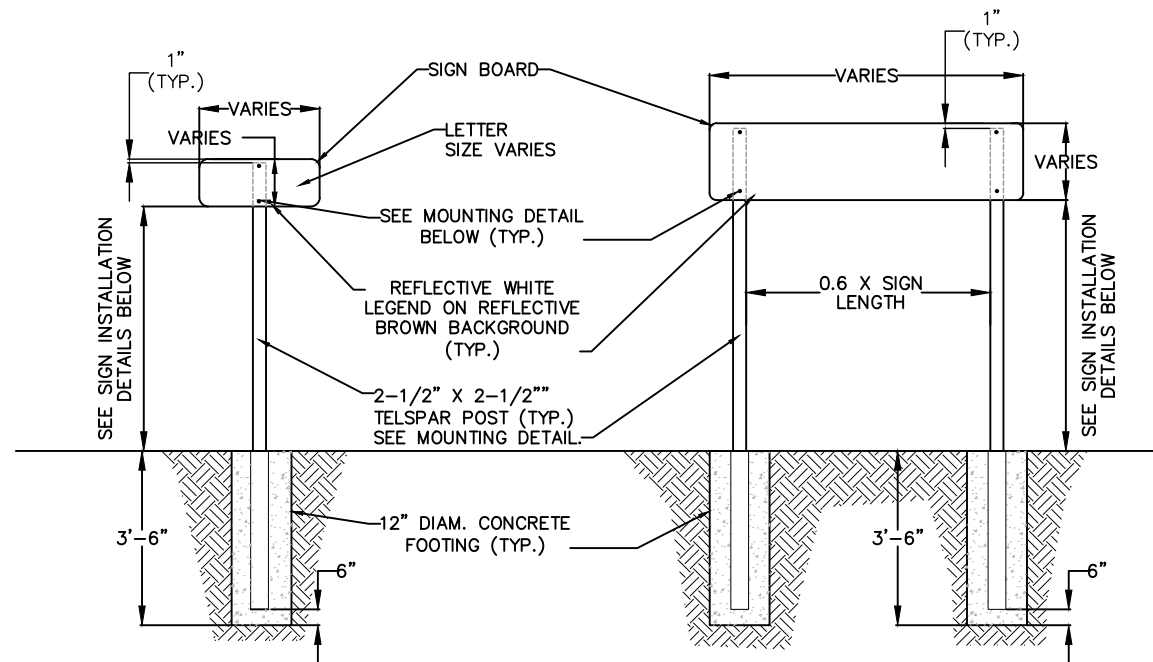
NOTES:

- BULLETIN BOARD SHALL BE MODEL: PREFABRICATED METAL 6\"/>
- BILLBOARD KIT PARTS INCLUDE POWDER COATED METAL FRAME WITH TUBULAR STEEL POSTS (PART #30-456), POWDER COATED BROWN MOUNTING BOARDS WITH FRAMING ONE PANEL WITH \"PRESCOTT National Forest\" ON TOP AND \"SPENCE SPRING TRAILHEAD\" ON BOTTOM AND ONE PANEL WITH \"INFORMATION\" ON TOP ONLY IN YELLOW AS SHOWN IN THE DRAWINGS (PART #03-605), AND FIXTURES NECESSARY FOR INSTALLATION (PART #03-524) AND TAMPER RESISTANT BOLTS AS MANUFACTURED BY ROCKART SIGNS AND MARKERS 3006 N. MAPLE, MESA, ARIZONA 85214. 480-854-3400 OR APPROVED EQUAL. VERIFY WITH MANUFACTURER FOR ALL NECESSARY PARTS FOR INSTALLATION. INSTALL \"PRESCOTT NATIONAL FOREST\" AND \"SPENCE SPRINGS TRAILHEAD\" PANEL ON LEFT SIDE, AND \"INORMATION\" PANEL ON RIGHT SIDE
- SEE SPECIFICATION 101110 FOR ADDITIONAL REQUIREMENTS.

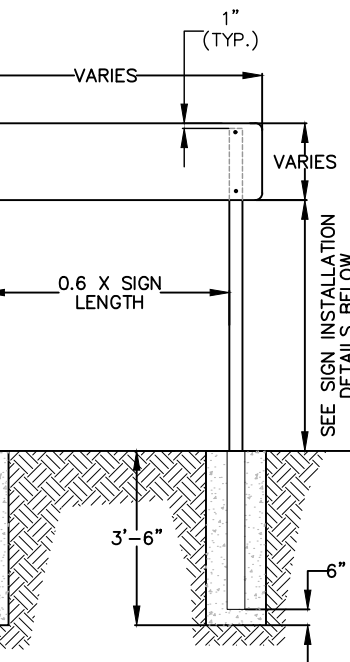
2/20/19 10:59 MALANIZ D:\PRESCOTT\ SPENCE SPRINGS\D-05\_SIGN\INSTALLATION TELSPAR.DWG;



ACCESSIBLE PARKING SIGN



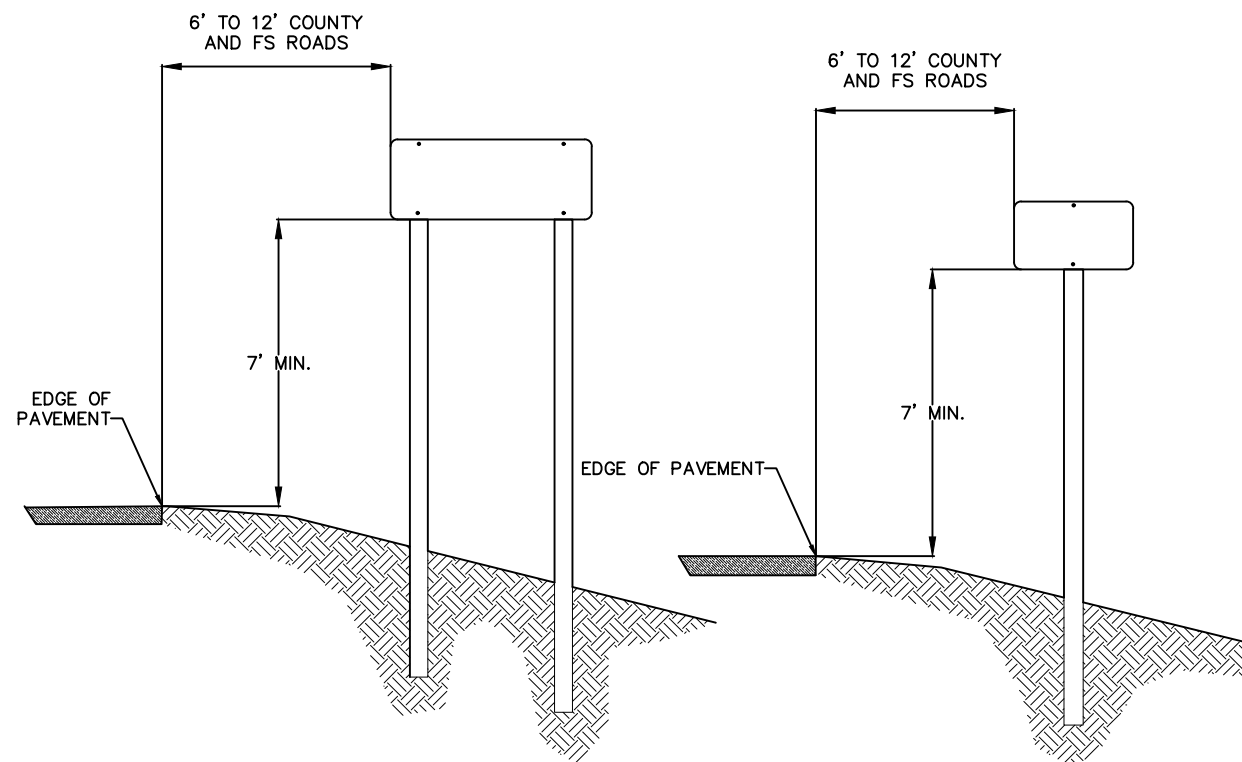
SINGLE POST SIGN



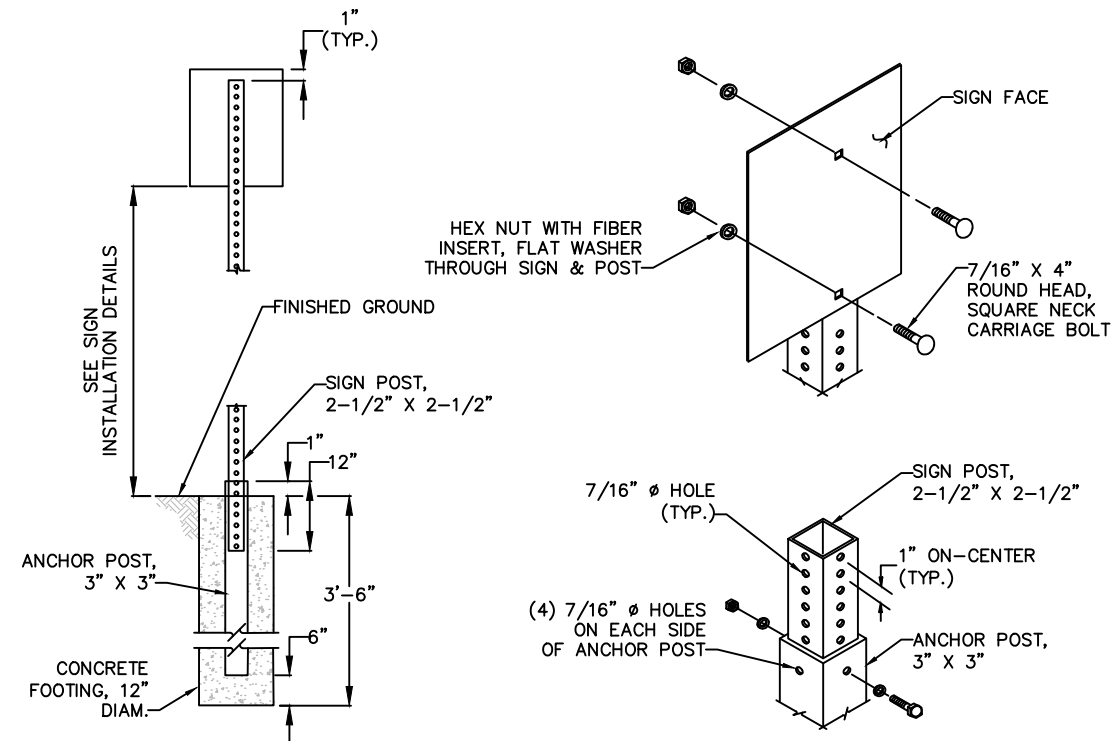
DOUBLE POST SIGN

SIGN LIST					
SIGN	DESCRIPTION	SIGN #	QUANTITY	SIZE NOTES	COLOR
#1	STOP SIGN	R1-1-24	1	30"x30"	WHITE ON RED
#2	DO NOT ENTER	R5-1	1	30"x30"	RED ON WHITE
#3	TRAIL CROSSING	W11-15A	2	30"x30"	BLACK ON YELLOW
#4	SPENCE SPRINGS TRAILHEAD	FRD-2-2	1	4" LETTERS	WHITE ON BROWN
#5	SPENCE SPRINGS TRAILHEAD	FRD-2-2	1	4" LETTERS	WHITE ON BROWN
#6	ACCESSIBLE PARKING W/ VAN ACCESSIBLE PLAQUE	R7-8-12 R7-8A	1		WHITE ON BROWN, BLUE SYMBOL
#7	NOT SUITABLE FOR TRAILERS OR RV'S	FRD-2-2	1	4" LETTERS	BLACK ON WHITE

- NOTES:
- SEE EM 7100-15 MANUAL FOR FRD SIGN LAYOUT REQUIREMENTS.
  - ALL SIGNS BOARDS INSTALLED ON SINGLE POSTS SHALL BE CENTERED.
  - DIMENSIONS FOR SIGN INSTALLATION ARE SCHEMATIC.
  - SEE SPECIFICATION 101400 FOR SIGN POST AND MATERIALS.
  - ALL SIGNS SHALL BE INSTALLED USING VANDAL RESISTANT BOLTS AND NUTS.
  - INSTALLATION DATE AND VANDAL WARNING LABELS SHALL BE INSTALLED ON ALL SIGNS IN ACCORDANCE WITH FS MANUAL EM 7100-15
  - ALL SIGN SHALL BE ALUMINUM, AND MEET MUTCD AND FOREST SERVICE STANDARDS.
  - CLEAR VEGETATION AS NEEDED TO MAINTAIN VISIBILITY OF SIGNS. CLEARING SHALL BE HANDLED IN ACCORDANCE WITH SPECIFICATION 311000.
  - ALL SIGNS SHALL BE INSTALLED ON A PRESSURE-TREATED TIMBER POSTS, UNLESS OTHERWISE NOTED.
  - FOR DOUBLE POST SIGNS, IF SIGN WIDTH IS OVER 4 FEET, PROVIDE BRACING IN ACCORDANCE TO MANUFACTURER'S REQUIREMENTS.
  - COLOR BOLT HEAD TO MATCH THE COLOR OF THE SIGN FACE.
  - USE BAG-MIX CONCRETE FOR SIGN FOOTINGS, IN ACCORDANCE WITH SECTION 033020.



SIGN INSTALLATION DETAILS



MOUNTING DETAILS



United States Department of Agriculture  
Forest Service

(R03)  
SOUTHWESTERN REGION

PROJECT NAME

SPENCE SPRINGS  
TRAILHEAD  
RECONSTRUCTION

PRESCOTT NATIONAL  
FOREST

BRADSHAW RANGER  
DISTRICT

DRAWING TITLE

SIGN PLAN AND  
INSTALLATION DETAILS

DATE

02/14/2019

ARCHIVE NO.

D-05\_Sign.Installation\_Telspar.dwg

DESIGNER

M. ALANIZ

DRAWN

M. ALANIZ

CHECKED

S. BINGHAM

PROJECT NO.

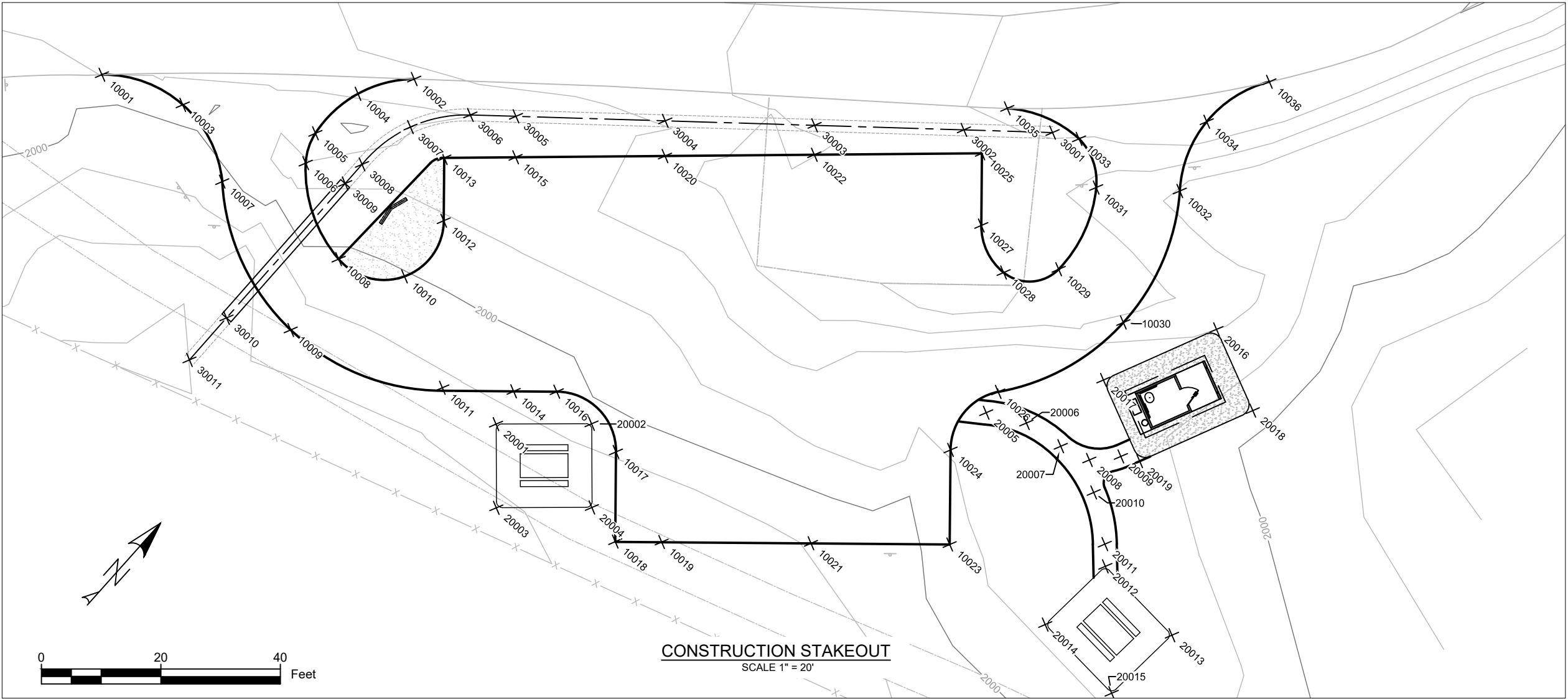
DWG SHEET NO.

D-05

SHEET 12 OF 13



2/20/19 10:58 MALANIZ D:\PRESCOTT\SPENCE SPRINGS\SPENCE SPRINGS SITE DETAILS.DWG;



PT. NO.	NORTHING	EASTING	ELEV	DESCRIP
10001	4853.483	4810.781	2001.00	FG ROAD
10002	4887.779	4850.248	2001.85	FG ROAD
10003	4858.742	4824.234	2001.08	FG ROAD
10004	4879.674	4844.880	2001.67	FG ROAD
10005	4869.995	4843.968	2001.50	FG ROAD
10006	4865.186	4846.076	2001.39	FG ROAD
10007	4853.569	4837.721	2001.06	FG ROAD
10008	4856.889	4860.897	2001.07	FG ROAD
10009	4842.705	4862.814	2000.75	FG ROAD
10010	4862.086	4871.033	2001.00	FG ROAD
10011	4852.410	4888.179	2000.58	FG ROAD
10012	4873.401	4869.728	2001.14	FG ROAD
10013	4881.295	4862.793	2001.35	FG ROAD
10014	4859.913	4897.478	2000.69	FG ROAD
10015	4889.334	4871.634	2001.47	FG ROAD
10016	4864.680	4902.905	2000.76	FG ROAD
10017	4863.770	4917.015	2000.72	FG ROAD
10018	4852.502	4926.923	2000.42	FG ROAD

PT. NO.	NORTHING	EASTING	ELEV	DESCRIP
10019	4857.629	4932.760	2000.57	FG ROAD
10020	4906.155	4890.133	2001.85	FG ROAD
10021	4874.128	4951.542	2000.98	FG ROAD
10022	4922.977	4908.633	2002.31	FG ROAD
10023	4889.453	4968.989	2001.44	FG ROAD
10024	4901.349	4958.546	2001.75	FG ROAD
10025	4941.852	4929.391	2002.87	FG ROAD
10026	4913.910	4958.030	2002.13	FG ROAD
10027	4932.781	4937.359	2002.62	FG ROAD
10028	4929.394	4945.392	2002.78	FG ROAD
10029	4935.950	4951.895	2003.16	FG ROAD
10030	4936.523	4965.908	2002.93	FG ROAD
10031	4950.328	4947.462	2004.05	FG ROAD
10032	4959.225	4958.289	2003.80	FG ROAD
10033	4954.493	4939.896	2004.43	FG ROAD
10034	4970.876	4953.926	2004.02	FG ROAD
10035	4950.293	4927.543	2004.10	FG ROAD
10036	4982.852	4957.296	2004.66	FG ROAD

PT. NO.	NORTHING	EASTING	ELEV	DESCRIP
20001	4853.850	4898.939	2001.00	FG PAD
20002	4864.556	4910.830	2001.00	FG PAD
20003	4843.446	4908.306	2000.72	FG PAD
20004	4854.151	4920.197	2000.72	FG PAD
20005	4909.970	4958.851	2001.90	FG PATH
20006	4913.164	4965.013	2002.01	FG PATH
20007	4914.105	4971.890	2002.18	FG PATH
20008	4915.585	4976.991	2002.45	FG PATH
20009	4919.540	4980.535	2002.71	FG PATH
20010	4912.016	4981.157	2002.21	FG PATH
20011	4906.807	4988.304	2001.89	FG PATH
20012	4904.090	4990.848	2001.75	FG PAD
20013	4902.931	5006.841	2001.75	FG PAD
20014	4890.127	4989.835	2001.47	FG PAD
20015	4888.970	5005.793	2001.47	FG PAD
20016	4946.058	4978.302	2002.50	FG FDN
20017	4927.126	4969.827	2002.92	FG FDN
20018	4939.978	4991.883	2002.50	FG FDN
20019	4921.046	4983.409	2002.92	FG FDN

PT. NO.	NORTHING	EASTING	ELEV	DESCRIP
30001	4952.325	4935.891	2004.03	DITCH
30002	4942.767	4924.524	2003.52	DITCH
30003	4926.674	4905.385	2002.65	DITCH
30004	4910.581	4886.245	2001.79	DITCH
30005	4894.489	4867.106	2000.92	DITCH
30006	4889.569	4861.255	2000.23	DITCH
30007	4881.375	4855.131	1999.30	DITCH
30008	4871.319	4853.253	1998.36	DITCH
30009	4867.046	4853.278	1998.20	INLET
30010	4837.047	4853.456	1997.29	OUTLET
30011	4827.672	4853.512	1997.01	DITCH

DEFINITIONS:  
DITCH  
FG PAD  
FG PATH  
FG ROAD  
FG FDN  
INLET  
OUTLET

FINISHED GRADE FOR DTICH  
FINISHED GRADE FOR PADS  
FINISHED GRADE FOR PATHWAYS  
FINISHED GRADE FOR ROADWAYS  
FINISHED GRADE FOR COMFORT STATION FOUNDATION  
CULVERT INLET ELEVATION  
CULVERT OUTLET ELEVATION



United States Department of Agriculture  
Forest Service

(R03)  
SOUTHWESTERN REGION

PROJECT NAME

SPENCE SPRINGS  
TRAILHEAD  
RECONSTRUCTION

PRESCOTT NATIONAL  
FOREST

BRADSHAW RANGER  
DISTRICT

DRAWING TITLE

CONSTRUCTION  
STAKEOUT PLAN

DATE

01/31/2019

ARCHIVE NO.

Spence Springs Site Details.dwg

DESIGNER

M. ALANIZ

DRAWN

M. ALANIZ

CHECKED

S. BINGHAM

PROJECT NO.

DWG SHEET NO.

CS-01

SHEET 13 OF 13