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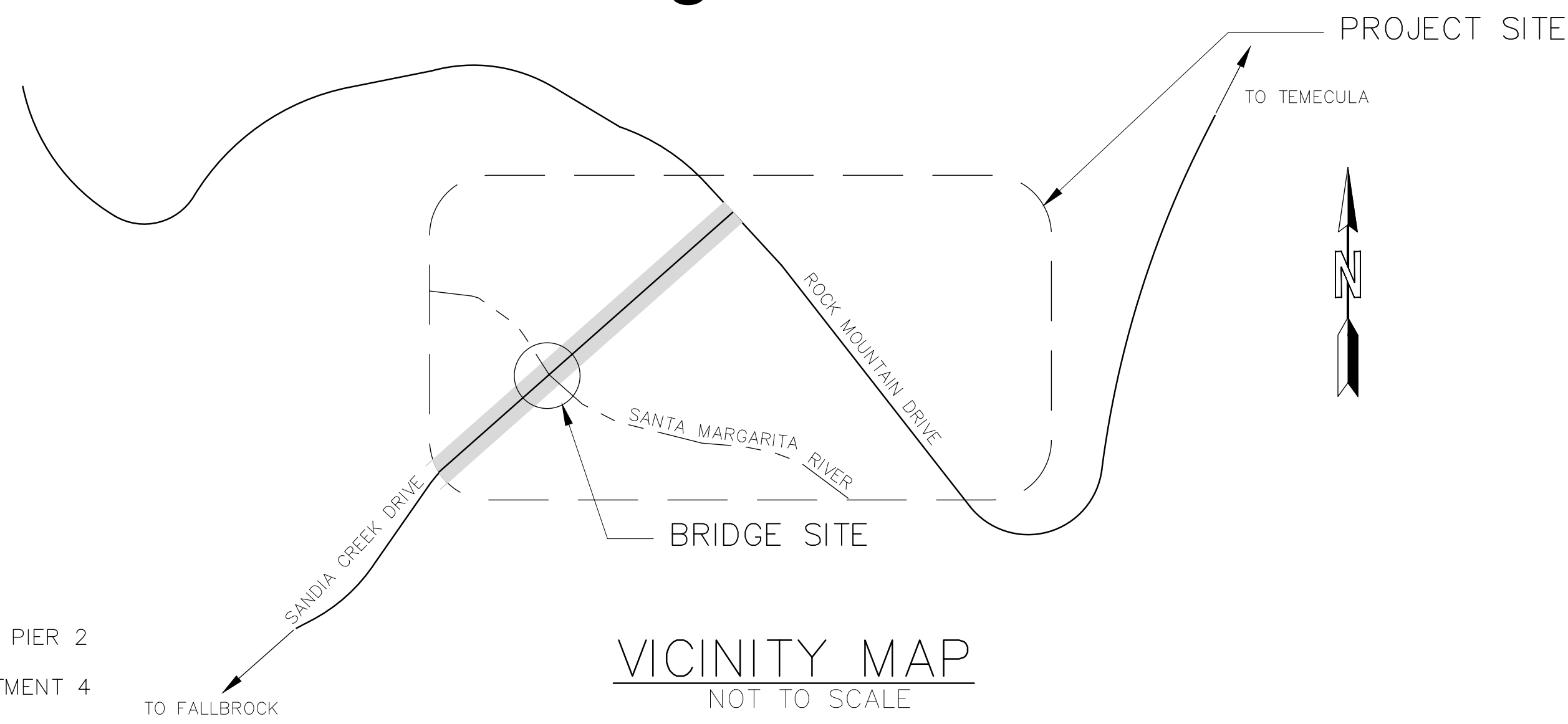
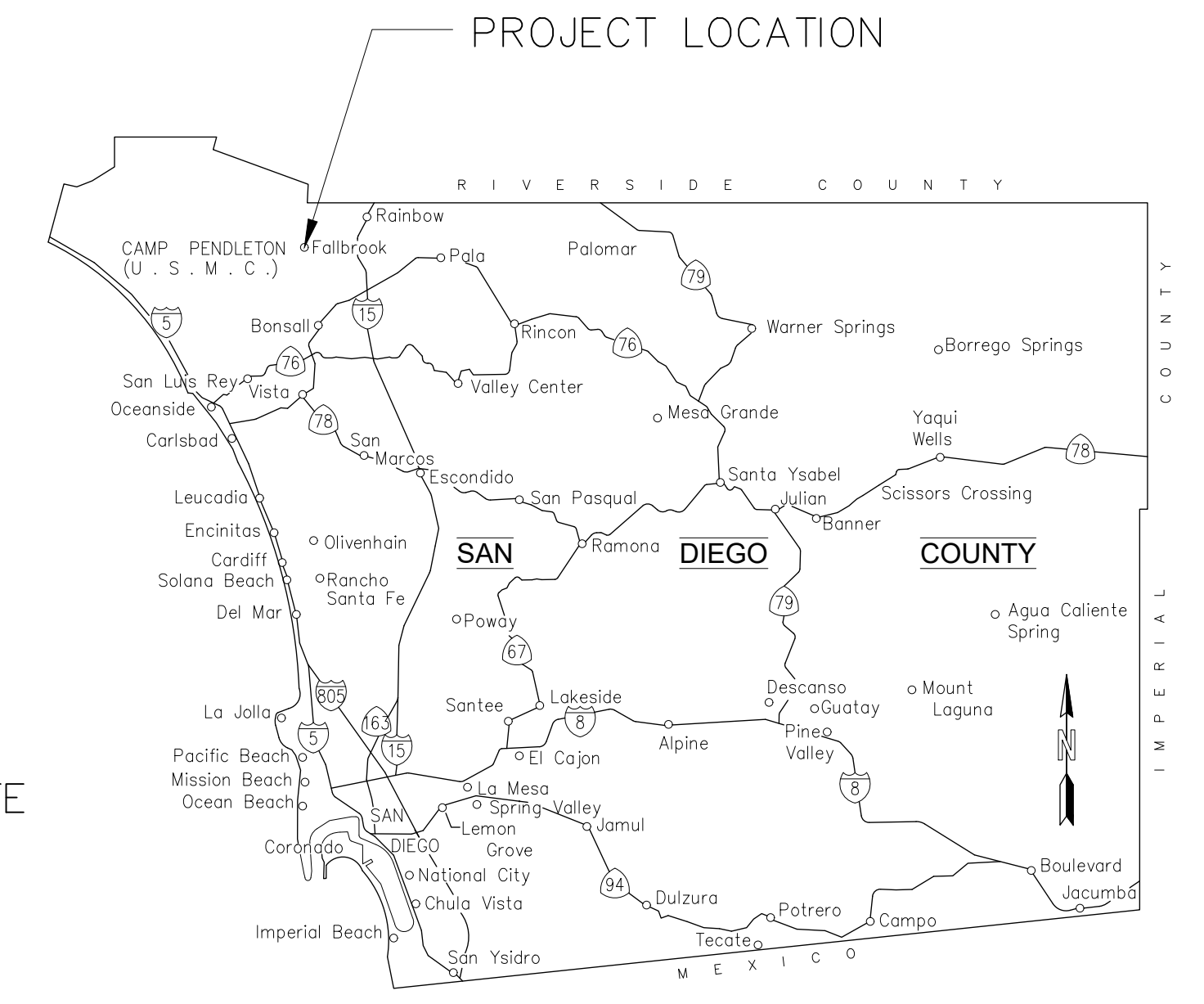
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COUNTY OF SAN DIEGO, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

PLANS FOR CONSTRUCTION OF Sandia Creek Drive Bridge Replacement In the Vicinity of: Fallbrook Net Length: 0.21 Miles



UTILITY ALERT NOTE:

ATTENTION IS DIRECTED TO THE POSSIBLE EXISTENCE OF UNDERGROUND UTILITY FACILITIES NOT KNOWN OR IN A LOCATION DIFFERENT FROM THAT SHOWN ON THE PLANS OR IN THE SPECIAL PROVISIONS. THE CONTRACTOR SHALL TAKE STEPS TO ASCERTAIN THE EXACT LOCATION OF ALL UNDERGROUND FACILITIES PRIOR TO PERFORMING WORK THAT MAY DAMAGE SUCH FACILITIES OF INTERFERE WITH THEIR SERVICE. FORTY-EIGHT HOURS BEFORE EXCAVATION, THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF UNDERGROUND FACILITIES BY CONTACTING UNDERGROUND SERVICE ALERT AT TELEPHONE 1-800-422-4133.

THE CONTRACTOR SHALL ALSO INDIVIDUALLY CONTACT OPERATORS OF GRAVITY SEWER SYSTEMS AND OTHER UTILITIES, WHO ARE NOT MEMBERS OF UNDERGROUND SERVICE ALERT.

Plotted: Oct 08, 2021 - 12:02pm dju Layout: C1
M:\2017\1700232 Santa Margarita River Fish Passage Drawings\Current\xxxxxx-C1-Title Sheet.dwg



1601 5th Avenue, Suite 1300
Seattle, Washington 98101
(206) 382-0600 Fax (206) 382-0500

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SANDIA CREEK ROAD BRIDGE REPLACEMENT

TITLE SHEET

| | |
|-------------|------------------------|
| DRAWN: DYU | PROJECT NO.: 2000118 |
| DESIGN: RO | SCALE: AS SHOWN |
| CHECKED: TG | DATE: 2021-10-08 |
| DRAWING NO. | C1 |
| SHEET NO. | 01 OF 54 |

FIRST IMPROVEMENT PLAN SUBMITTAL - NOT FOR CONSTRUCTION

PROJECT STANDARD SPECIFICATIONS

CALTRANS STANDARD SPECIFICATIONS, 2018

PROJECT STANDARD PLANS

CALTRANS STANDARD PLANS (CSP), 2018

ROAD WORK:

| | |
|------------------------------|---|
| A3A, A3B, A3C | ABBREVIATIONS |
| A10A, A10B, A10C, A10D, A10E | LEGEND – LINES AND SYMBOLS |
| A20A, A20B | PAVEMENT MARKERS & TRAFFIC LINES – TYPICAL DETAILS |
| A20D | PAVEMENT MARKERS & TRAFFIC LINES – TYPICAL DETAILS |
| A24A | PAVEMENT MARKINGS – ARROWS |
| A24E | PAVEMENT MARKINGS, WORDS, LIMIT AND YIELD LINES |
| A73B | MARKERS |
| A73C | DELINEATORS, CHANNELIZERS AND BARRICADES |
| A77Q1 | TYPE 12A MBSG STRUCTURAL APPROACH |
| A77Q4 | TYPE 12AA MBSG STRUCTURAL DEPARTURE |
| A77M1 | MIDWEST GUARDRAIL SYSTEM STANDARD HARDWARE |
| A77N1 | MIDWEST GUARDRAIL SYSTEM WOOD POST AND WOOD BLOCK DETAILS |
| A78A | THRIE BEAM BARRIER STANDARD BARRIER RAILING SECTION (WOOD POST WITH WOOD BLOCK) |
| A78C1 | THRIE BEAM BARRIER STANDARD HARDWARE DETAILS |
| A78C2 | THRIE BEAM BARRIER POST AND BLOCK DETAILS |

BRIDGE:

| | |
|--------|---|
| A62B | LIMITS OF PAYMENT FOR EXCAVATION AND BRIDGE BACKFILL SURCHARGE AND WALL |
| A62C | LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL |
| B0-1 | BRIDGE DETAILS |
| B0-5 | BRIDGE DETAILS |
| B9-1 | STRUCTURE APPROACH SLAB TYPE N (30) |
| B9-5 | STRUCTURE APPROACH SLAB |
| B11-81 | CONCRETE BARRIER TYPE 842 DETAILS NO. 1 |
| B11-82 | CONCRETE BARRIER TYPE 842 DETAILS NO. 2 |

PERMANENT WATER POLLUTION CONTROL BMP'S

1. SITE DESIGN BMP'S NONE
2. SOURCE CONTROL BMP'S NONE
3. TREATMENT CONTROL BMP'S NONE

LEGEND

| SYMBOL | DESCRIPTION | RSD |
|-----------|----------------------------|-----|
| --- | CENTERLINE | |
| ---- | SAWCUT LINE | |
| 259.0 | PROPOSED ELEV. | |
| [Pattern] | 3" ASPHALT CONCRETE TYPE B | |
| [Pattern] | PLANE AC PAVEMENT | |
| --- | EXIST. RIGHT-OF-WAY | |
| --- | EXIST. AC DIKE | |
| (259.0) | EXISTING GROUND SPOT ELEV. | |

TYPICAL CONSTRUCTION NOTES

CONSTRUCTION NOTES ARE TO RETAIN THE SAME NOTE NUMBER FOR THE SAME CONSTRUCTION NOTE THROUGHOUT THE ENTIRE SET OF PLANS.

SURVEY CONTROL

BENCHMARK

SAN DIEGO SURVEY CONTROL # SMR 1
 ELEV = 343.433' DATUM: NAVD 88
 3-1/4" BRASS DISK WITH A DRILL HOLE AND EPOXY, MARKED "SAN DIEGO COUNTY SURVEYOR, SURVEY CONTROL, 2014, SMR1" ON THE SOUTHERLY SIDE OF ARIZONA CROSSING ON THE EASTERLY SIDE OF SANDIA CREEK ROAD, IN THE NORTHBOUND LANE, APPROXIMATELY 42.5 FEET SOUTHWESTERLY FROM ABUTMENT OF ARIZONA CROSSING. MONUMENT IS APPROXIMATELY 460 FEET SOUTHWESTERLY OF ROCK MOUNTAIN DRIVE.

REMARKS

THESE PLANS ARE BASED ON US CUSTOMARY (ENGLISH) UNITS. ALL DISTANCES ARE EXPRESSED IN FEET (FT) AND INCHES (IN) UNLESS OTHERWISE NOTED

HORIZONTAL CONTROL

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE NAD 83, ZONE 6, GRID BEARING BETWEEN STATION "SDGPS-02" AND STATION "103WCCS1", (BOTH HAVING A CALIFORNIA COORDINATE VALUE OF FIRST ORDER ACCURACY OR BETTER) AS SAID STATIONS ARE PUBLISHED IN THE SAN DIEGO COUNTY HORIZONTAL CONTROL BOOK, BEING NORTH 61°14'15.2" WEST.

TO BE MODIFIED BY SURVEYOR

$\lambda = 0^{\circ}23'12.48''$
 COMBINATION FACTOR = 0.99991830
 GROUND DISTANCE = GRID DISTANCE / COMBINATION FACTOR
 CONVERSION FACTOR: 1 US SURVEY FOOT = 1200/3937 METERS

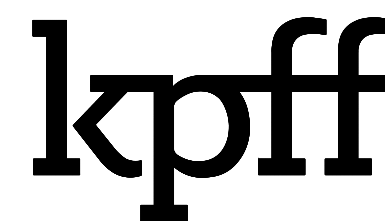
CONTRUCTION PHASING

- CONSTRUCTION PHASING SHALL OCCUR AS FOLLOWS:
- NEW BRIDGE SHALL BE CONSTRUCTED PRIOR TO DEMOLITION OF EXISTING BRIDGE.
 - MAINTAIN ACCESS TO EXISTING BRIDGE DURING CONSTRUCTION.
 - MAINTAIN ACCESS TO HIKING TRAIL PARKING AREA AT ALL TIMES.

NOTES

1. ALL CONSTRUCTION ACTIVITIES SHALL OCCUR OUTSIDE BREEDING SEASON FOR POTENTIALLY-OCCURRING THREATENED/ENDANGERED SPECIES, SUCH AS VIREO, FLYCATCHERS, ARROYO TOAD, AND ARROYO CHUB. PROPER PERMITS SHALL BE OBTAINED FROM THE CALIFORNIA DEPARTMENT OF FISH & WILDLIFE, THE COUNTY OF SAN DIEGO, THE REGIONAL WATER QUALITY CONTROL BOARD, AND THE ARMY CORPS OF ENGINEERS.
2. IN THE EVENT EXISTING CONDITIONS DIFFER FROM WHAT IS SHOWN ON THE PROJECT DOCUMENTS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.

Plotted: Oct 08, 2021 - 12:05pm dju Layout: C2
 M:\2017\1700232 Santa Margarita River Fish Passage\Drawings\Current\xxxxxx-C2-General Notes and References.dwg



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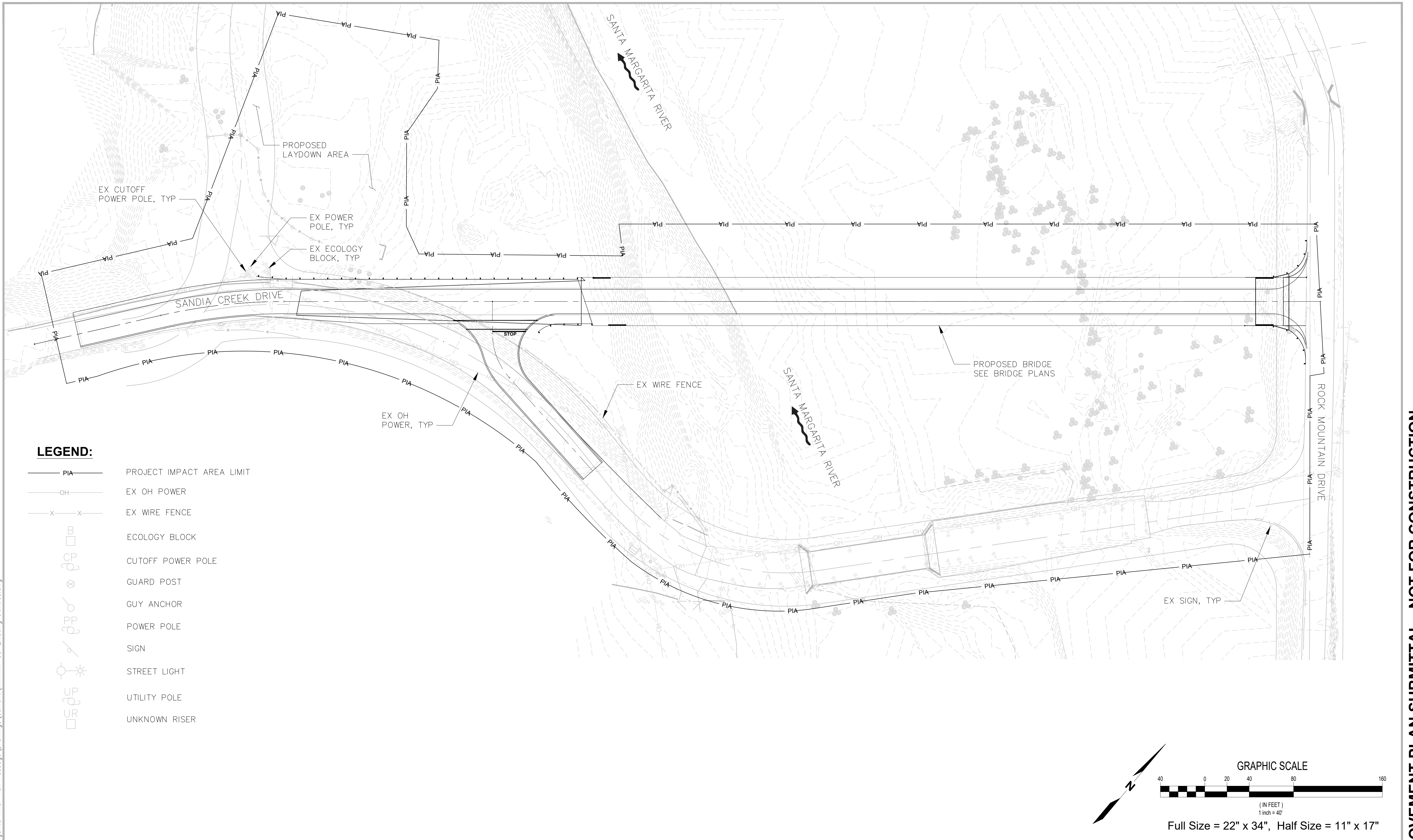
SANDIA CREEK ROAD BRIDGE REPLACEMENT

GENERAL NOTES AND REFERENCES

| | |
|-------------|------------------------|
| DRAWN: DYU | PROJECT NO.: 2000118 |
| DESIGN: RO | SCALE: AS SHOWN |
| CHECKED: TG | DATE: 2021-10-08 |
| DRAWING NO. | C2 |
| SHEET NO. | 02 OF 54 |

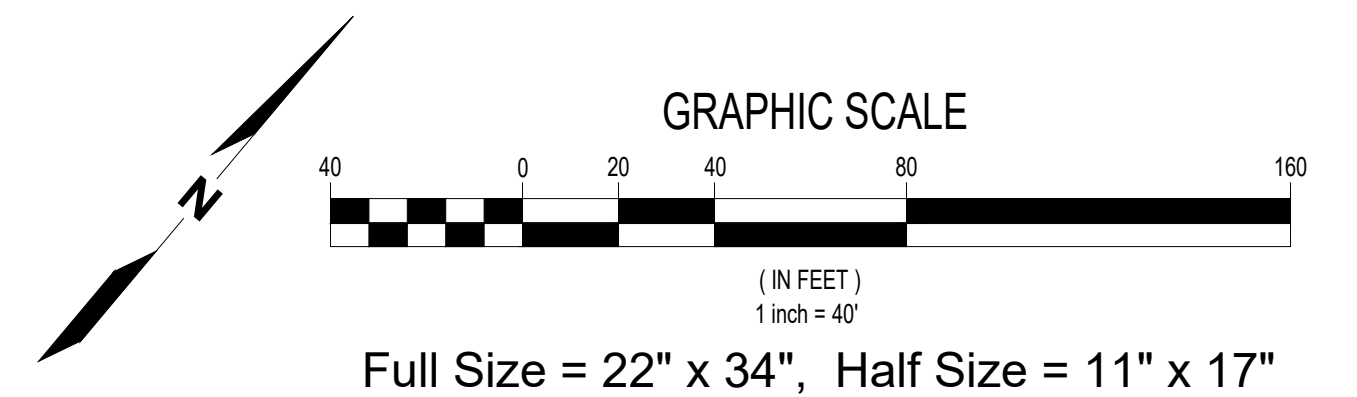
FIRST IMPROVEMENT PLAN SUBMITTAL - NOT FOR CONSTRUCTION

Plotted: Oct 08, 2021 - 1:08pm dyu Layout: C3
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LEGEND:

- PIA — PROJECT IMPACT AREA LIMIT
- OH — EX OH POWER
- X — EX WIRE FENCE
- ECOLOGY BLOCK
- CUTOFF POWER POLE
- GUARD POST
- GUY ANCHOR
- POWER POLE
- SIGN
- STREET LIGHT
- UTILITY POLE
- UNKNOWN RISER



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SANDIA CREEK ROAD BRIDGE REPLACEMENT

EXISTING UTILITIES

| | |
|-------------|------------------------|
| DRAWN: DYU | PROJECT NO.: 2000118 |
| DESIGN: RO | SCALE: AS SHOWN |
| CHECKED: TG | DATE: 2021-10-08 |
| DRAWING NO. | C3 |
| SHEET NO. | 03 OF 54 |

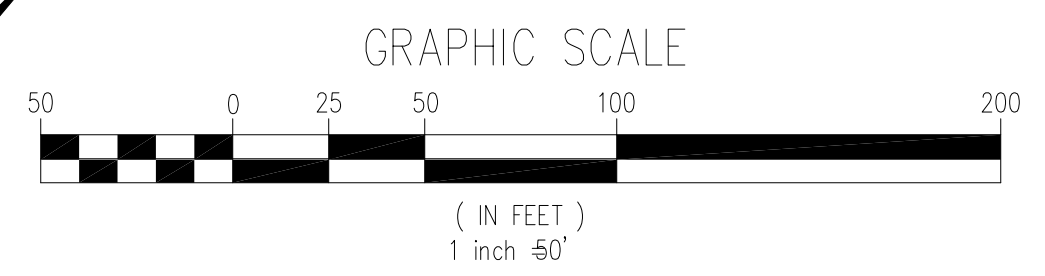
FIRST IMPROVEMENT PLAN SUBMITTAL - NOT FOR CONSTRUCTION

NOTES:

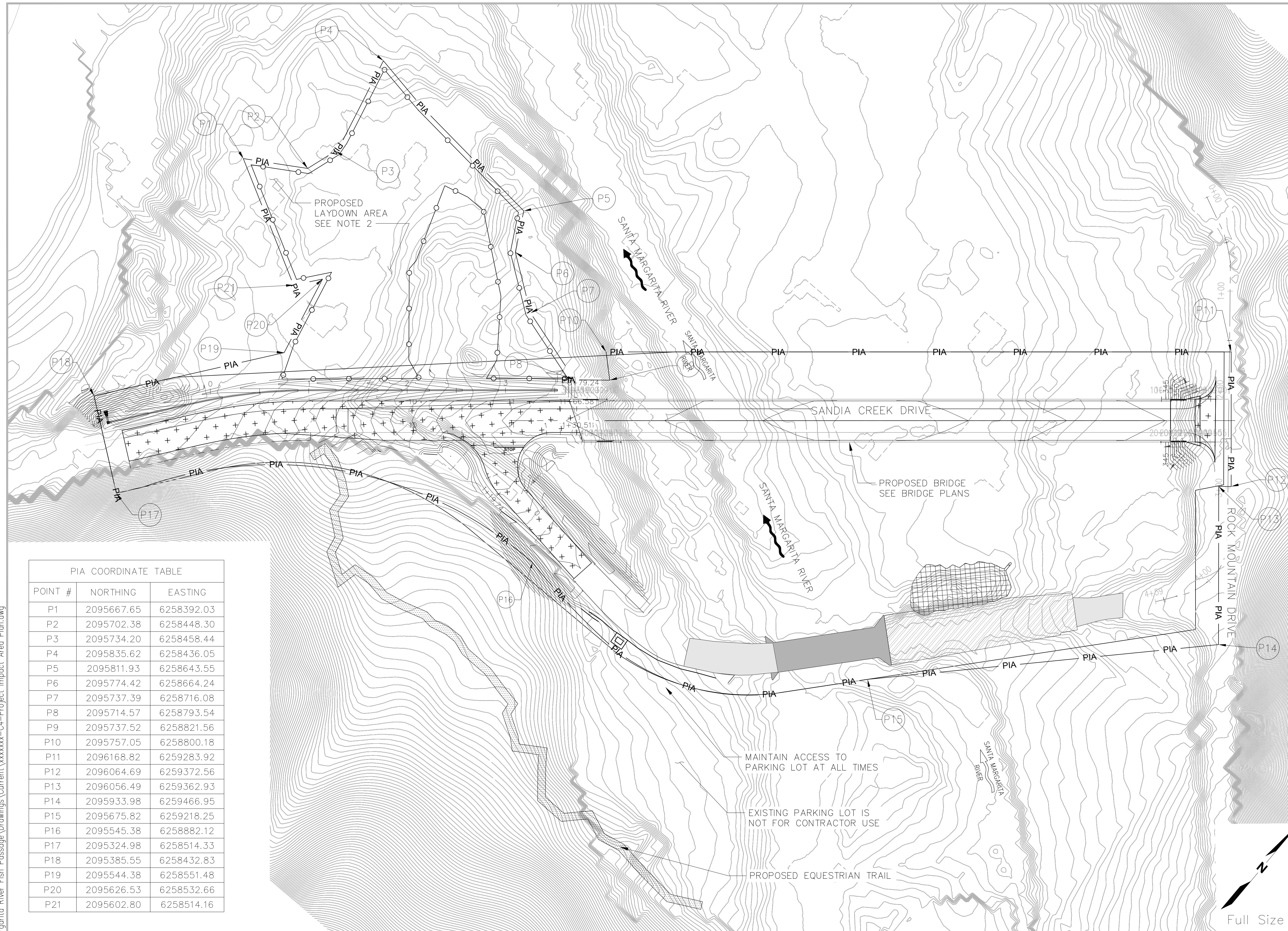
- PROJECT IMPACT AREA (PIA) LINES REPRESENT THE BOUNDARY OF ALL PROPOSED CONSTRUCTION ACTIVITY. ABSOLUTELY NO ENVIRONMENTAL IMPACTS ARE ALLOWED OUTSIDE THE PIA BOUNDARY. TOTAL PIA AREA = 331,956 SF (7.62 AC)
- CONTRACTOR SHALL PROTECT AND PRESERVE THE COAST LIVE OAK WOODLAND (CLOW).
- CONTRACTOR SHALL RESTORE LAYDOWN AREA AFTER PROJECT COMPLETION.
- TRAIL WILL BE CONSTRUCTED ACCORDING TO COUNTY OF SAN DIEGO STANDARDS FOR A RURAL TYPE B TRAIL (COUNTY TRAILS PROGRAM, COMMUNITY TRAILS MASTER PLAN, SECTION 7, TABLE DCG-1).
- EROSION WILL BE CONTROLLED THROUGH PLACEMENT OF WATER BARS AND WATTLE ROLLS ON THE TRAIL AS PER COUNTY REGULATIONS. ONLY THOSE ROCKS, STUMPS, AND ROOTS, WHICH INTERFERE WITH SAFE PASSAGE, WILL BE REMOVED.
- ADEQUATE DRAINAGE WILL BE PROVIDED THROUGH GRADES ALONG TRAIL TREADS BEING HELD TO A MINIMUM.
- SEE DETAIL 2 ON DRAWING NO. C14 FOR CROSS SECTION OF PROPOSED EQUESTRIAN TRAIL.

LEGEND:

- PIA — PROJECT IMPACT AREA LIMIT
- [Solid Grey Box] EXISTING REINFORCED CONCRETE BOXES
- [Light Grey Box] EXISTING ROADWAY TO BE REMOVED
- [Diagonal Line Box] EXISTING CONCRETE RETAINING STRUCTURE WITH ROADWAY
- [Grid Box] FILLED SCOUR HOLE (IN CHANNEL)
- [Cross Box] PROPOSED ROADWAY
- [Dotted Box] PROPOSED EQUESTRIAN TRAIL
- [Line Box] PROPOSED WINGWALLS
- [Double Line Box] VEGETATED SWALE



Full Size = 22" x 34", Half Size = 11" x 17"



PIA COORDINATE TABLE

| POINT # | NORTHING | EASTING |
|---------|------------|------------|
| P1 | 2095667.65 | 6258392.03 |
| P2 | 2095702.38 | 6258448.30 |
| P3 | 2095734.20 | 6258458.44 |
| P4 | 2095835.62 | 6258436.05 |
| P5 | 2095811.93 | 6258643.55 |
| P6 | 2095774.42 | 6258664.24 |
| P7 | 2095737.39 | 6258716.08 |
| P8 | 2095714.57 | 6258793.54 |
| P9 | 2095737.52 | 6258821.56 |
| P10 | 2095757.05 | 6258800.18 |
| P11 | 2096168.82 | 6259283.92 |
| P12 | 2096064.69 | 6259372.56 |
| P13 | 2096056.49 | 6259362.93 |
| P14 | 2095933.98 | 6259466.95 |
| P15 | 2095675.82 | 6259218.25 |
| P16 | 2095545.38 | 6258882.12 |
| P17 | 2095324.98 | 6258514.33 |
| P18 | 2095385.55 | 6258432.83 |
| P19 | 2095544.38 | 6258551.48 |
| P20 | 2095626.53 | 6258532.66 |
| P21 | 2095602.80 | 6258514.16 |

Plotted: Dec 15, 2021 - 2:10pm onunez Layout: C4
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SANDIA CREEK ROAD BRIDGE REPLACEMENT

PROJECT IMPACT AREA (PIA) MAP

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| DRAWN: DYU | PROJECT NO.: 2000118 |
| DESIGN: RO | SCALE: AS SHOWN |
| CHECKED: TG | DATE: 2021-10-08 |
| DRAWING NO. | C4 |
| SHEET NO. | 04 OF 54 |

FIRST IMPROVEMENT PLAN SUBMITTAL - NOT FOR CONSTRUCTION