

**SUBMITTAL TO THE BOARD OF SUPERVISORS
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**



ITEM: 3.57
(ID # 12792)

MEETING DATE:
Tuesday, August 04, 2020

FROM: TLMA-TRANSPORTATION:

SUBJECT: TRANSPORTATION AND LAND MANAGEMENT AGENCY/TRANSPORTATION
DEPARTMENT: Accept the Low Bid and Award the Contract for the Construction of the Integrated Mitigation Project, located Southwest of Briggs Road and Golden Jay Lane, In the French Valley Community, Districts 3 and 5. [\$1,799,290 Total Cost - Local Funds 100%]

RECOMMENDED MOTION: That the Board of Supervisors:

1. Approve the four (4) addenda to the plans and specifications issued prior to the May 20, 2020, bid opening;
2. Accept the low bid of Helix Environmental Construction Group, Inc. of La Mesa, California in the amount of \$1,799,290;
3. Award the contract to Helix Environmental Construction Group, Inc. and authorize the Chairman of the Board to execute the contract documents; and
4. Approve the project proposed budget as shown in Attachment "A".

ACTION: Policy


Patricia Romo, Director of Transportation 8/22/2020

MINUTES OF THE BOARD OF SUPERVISORS

On motion of Supervisor Jeffries, seconded by Supervisor Spiegel and duly carried by unanimous vote, IT WAS ORDERED that the above matter is approved as recommended.

Ayes: Jeffries, Spiegel, Washington, Perez and Hewitt
Nays: None
Absent: None
Date: August 4, 2020
xc: Transpiration

Kecia R. Harper
Clerk of the Board

By: 
Deputy

**SUBMITTAL TO THE BOARD OF SUPERVISORS COUNTY OF RIVERSIDE,
STATE OF CALIFORNIA**

FINANCIAL DATA	Current Fiscal Year:	Next Fiscal Year:	Total Cost:	Ongoing Cost
COST	\$ 1,635,790	\$ 32,700	\$ 1,799,290	\$ 0
NET COUNTY COST	\$ 0	\$ 0	\$ 0	\$ 0
SOURCE OF FUNDS: Measure A/Western (83%), and Combined Improvement Funds (17%) There are no General Funds used in this project			Budget Adjustment:	No
			For Fiscal Year:	21/22-25/26

C.E.O. RECOMMENDATION: Approve

BACKGROUND:

Summary

By Minute Order dated April 7, 2020 (Agenda Item 3.60), the Board of Supervisors authorized the Clerk of the Board to advertise for the Integrated Mitigation Project, located Southwest of Briggs Road and Golden Jay Lane, in the French Valley Community in Riverside County.

The Integrated Mitigation Project site is located south of Scott Road and west of Briggs Road. It is owned by the Western Riverside County Regional Conservation Authority (RCA) and consists of roughly 74 acres.

The project will construct a new stream channel and seasonal wetlands, enhance the streambed, and preserve existing habitat for specific habitat losses that resulted from the state Route 79 (Winchester Road) Widening Project, Interstate 15 at Clinton Keith Road Interchange Improvements Project, Clinton Keith Extension Project for the Clinton Keith Road Extension, and the State Route 371 (SR-371) Shoulder Widening project. The environmental permits issued for these projects require implementation of off-site mitigation in accordance with the permit requirements.

During the advertisement period, four addenda were issued to all registered plan holders as a supplement to the plans and specifications. Bidders are required to acknowledge and take into account the issued addendum in their contractor's Bid in order to be considered for award. The addenda are attached as Addendum No. 1 through Addendum No. 4.

The contract includes the following schedules of work:

Base Bid Schedule A:	Briggs Road Channel Construction
Base Bid Schedule B:	Briggs Road Landscape, Irrigation and Plant Establishment
Base Bid Schedule C:	Clinton Keith Road Restoration and Enhancement
Base Bid Schedule D:	Clinton Keith Road Plant Establishment

The contractor is qualified to perform the work as outlined in the bid, has executed the contract, and has provided bond documents which meet the requirements of the Contract.

Project Nos. C7-0032

**SUBMITTAL TO THE BOARD OF SUPERVISORS COUNTY OF RIVERSIDE,
STATE OF CALIFORNIA**

Impact on Residents and Businesses

The project will restore and enhance the RCA conservation land by:

- Increasing native vegetation and habitat for dependent flora and fauna within the watershed,
- Increasing soil moisture retention,
- Removing non-native plants;
- Decreasing erosion; and
- Reducing downstream flooding.

These improvements will enhance water quality in the watershed and biological efficacy, and ultimately restore and protect the environment for local residents and future generations.

The work is scheduled to begin in Summer 2020 and will take approximately five months to complete. The site vegetation, habitat and plant establishment will be monitored and maintained for a five year period. The Regional Conservation Authority will assume maintenance responsibility following the five year establishment period.

SUPPLEMENTAL:

Additional Fiscal Information

The Transportation Department recommends award of the Contract to Helix Environmental Construction Group, Inc. in the amount of \$1,799,290. The construction contract will be funded with Measure A/Western and Combined Improvement Funds.

The proposed budget as shown on Attachment "A" includes the Contract award amount and other associated costs. There are no General Funds used in this project.

Contract History and Price Reasonableness

Five (5) bids were received ranging from \$1,799,289.73 to \$2,920,654. The basis for the selection of a bid is the lowest responsive and responsible bid.

All received bids were responsive to the bidding requirements set forth for the project. The lowest responsible bid was submitted by Helix Environmental Construction Group, Inc. in the amount of \$1,799,290 which is \$10,967 (0.61%) above the Engineer's Estimate, however it is 31% below the average submitted bid costs.

ATTACHMENTS:

Vicinity Map
Attachment "A"
Summary of Bids
Addendum Nos. 1-4
Contract/Bonds/Insurance
Contractor's Bid Proposal


Jason Farin, Principal Management Analyst 7/29/2020


Gregory V. Priamos, Director County Counsel 7/1/2020

Contract

THIS CONTRACT is entered into at Riverside, California as of the date set forth below is between County of Riverside hereafter called "County" and **Helix Environmental Construction Group, Inc.**, hereafter called "Contractor".

WITNESSETH

Recitals:

1. Contractor has submitted to County his Contractor's Proposal for the construction of County Project, **Integrated Mitigation Project, Located Southwest of Briggs Road and Golden Jay Lane, In the French Valley Community, Project No. C7-0032**, in strict accordance with the Contract Documents identified below and County has accepted said Proposal.
2. Contractor states that he has reexamined his Contractor's Proposal and found it to be correct, has ascertained that his subcontractors are properly licensed and possess the requisite skill and forces, has reexamined the site and Contract Documents and is of the opinion that he can presently do the work in accordance with the Contract Documents for the money set forth in his Proposal to be paid as provided in the Contract Documents.

Agreement:

It is agreed by the parties as follows:

1. Contract Documents

The entire Contract consists of the following: (a) The Construction Contract, (b) The Notice to Bidders, (c) The Instruction to Bidders, (d) The Bid, (e) The Bid Bond, (f) The Payment Bond, (g) The Performance Bond, (h) The General Conditions, (i) The Special Provisions, (j) The Standard Specifications of the State of California Department of Transportation edition of **2010** as modified in other portions of the Contract Documents and as amended by the State of California Department of Transportation, (k) The Standard Plans of the Department of Transportation identified on the plans or in the Special Provisions, (l) The Plans, (m) Addenda, (n) The Determination of Prevailing Wage Rates for Public Works, (o) Any Change Orders issued, and (p) Any additional or supplemental specifications, notice, instructions and drawings issued in accordance with the provisions of the Contract Documents. All of said Documents presently in existence are by this reference incorporated herein with like effect as if here set forth in full and upon the proper issuance of other documents they shall likewise be deemed incorporated. The Bid Bond is exonerated upon execution of this Contract and the Payment Bond and Performance Bond.

2. The Work

Contractor shall do all tasks necessary to construct the work generally described in Recital No. 1 in accordance with the Contract Documents.

3. Prosecution, Progress and Liquidated Damages

Attention is directed to the provisions in Section 8-1.04, "Start of Job Site Activities", Section 8-1.05, "Time", and in Section 8-1.10 "Liquidated Damages" of the Standard Specifications and these Special Provisions.

Standard Specification Section 8-1.04B, "Standard Start" is modified to read as follows:

The Contractor shall begin work within fifteen (15) calendar days, or as revised in the Special Provisions, of the date stated within the written "Notice to Proceed".

The Contractor shall notify the Engineer, in writing, of the Contractor's intent to begin work at least 72 hours before work is begun. If the project has more than one (1) location of work, Contractor shall submit a separate notice for each location. The notice shall be delivered to the Transportation Department's Construction Engineer and shall specify the date the Contractor intends to start at said location.

Should the Contractor begin work in advance of receiving a written "Notice to Proceed", any work performed by the Contractor in advance of the date stated in the "Notice to Proceed" shall be considered as having been done by the Contractor at his own risk and as a volunteer and subject to the following:

- A. The Contractor shall, on commencing operations, take all precautions required for public safety and shall observe all the provisions in the Specifications and the Special Provisions.
- B. All work done according to the Contract, prior to the issuance of the "Notice to Proceed", will be considered authorized work and will be paid for as provided in the contract.
- C. The Contractor shall not be entitled to any additional compensation or an extension of time for any delay, hindrance or interference caused by or attributable to commencement of work prior to the issuance of the "Notice to Proceed".

4. Compensation

Contractor shall be paid in the manner set forth in the Contract Documents the amount of his Proposal as accepted by County, the above rates, subject to additions and deductions as provided in the Contract Documents. Said Proposal is on file in the Office of the Clerk of the Board of Supervisors of County.

**Integrated Mitigation Project
Located Southwest of Briggs Road and Golden Jay Lane
In the French Valley Community
Project No. C7-0032**

Contract

ITEM No.	ITEM CODE	ITEM	UNIT	ESTIMATED QUANTITY	ITEM PRICE (IN FIGURES)	TOTAL (IN FIGURES)
BASE BID SCHEDULE A - BRIGGS ROAD (CHANNEL CONSTRUCTION)						
1	760090	MOBILIZATION, DEMOBILIZATION, AND FINAL CLEANUP	LS	1	51,050.00	51,050.00
2	130300	PREPARE STORM WATER POLLUTION PREVENTION PLAN	LS	1	16,625.00	16,625.00
3	066102	DUST ABATEMENT	LS	1	29,000.00	29,000.00
4	170101	DEVELOP WATER SUPPLY (SCHEDULE A)	LS	1	66,000.00	66,000.00
5	141000	TEMPORARY FENCE (TYPE ESA)	LF	8,500	1.96	16,660.00
6	160102	CLEARING AND GRUBBING	LS	1	76,100.00	76,100.00
7	190151	CHANNEL EXCAVATION	CY	11,262	26.75	301,258.50
8	011901	SELECT NATIVE MATERIAL	CY	1,012	73.42	74,301.04
9	720000	ROCK SLOPE PROTECTION	CY	2,810	105.00	295,050.00
10	_____	ITEM DELETED BY ADDENDUM	_____	_____	_____	_____
11	001602	MISCELLANEOUS WORK (AS DIRECTED)	FA	1	60,000.00	60,000.00
11A	801364	16' METAL GATE	EA	3	4,433.33	13,299.99
11B	803060	REMOVE GATE	EA	2	460.00	920.00
11C	803100	RECONSTRUCT FENCE	LF	28	30.00	840.00
11D	801364	EQUESTRIAN ACCESS	EA	1	5,475.00	5,475.00
11E	808600	3" WATER SUPPLY LINE (EMWD)	LS	1	203,050.00	203,050.00

**Base Bid
Sch. A
Sub-Total:
ITEMS 1- 11E**

**One million, two hundred nine thousand, six hundred twenty nine dollars
and fifty three cents**

"WORDS"

\$1,209,629.53

Contract (Continued)

ITEM No.	ITEM CODE	ITEM	UNIT	ESTIMATED QUANTITY	ITEM PRICE (IN FIGURES)	TOTAL (IN FIGURES)
BASE BID SCHEDULE B -BRIGGS ROAD (LANDSCAPE, IRRIGATION AND PLAN ESTABLISHMENT)						
12	204020	PLANT (GROUP P)	EA	1,440	5.48	7,891.20
13	204035	PLANT (GROUP A)	EA	765	14.33	10,962.45
14	204036	PLANT (GROUP B)	EA	165	41.31	6,816.15
15	204038	PLANT (GROUP U)	EA	190	77.38	14,702.20
16	204099	PLANT ESTABLISHMENT WORK [1250 WD] [5-YEARS]	LS	1	212,300.00	212,300.00
17	205033	GRAVEL MULCH	CY	420	40.00	16,800.00
18	205035	WOOD MULCH	CY	54	86.00	4,644.00
19	205051	FOLIAGE PROTECTOR	EA	1,195	12.80	15,296.00
20	206405	REMOVE IRRIGATION FACILITY	LS	1	5,030.00	5,030.00
21	206560 (P)	CONTROL AND NEUTRAL CONDUCTORS	LS	1	11,335.00	11,335.00
22	206562 (P)	1" REMOTE CONTROL VALVE	EA	8	711.00	5,688.00
23	206564 (P)	1 1/2" REMOTE CONTROL VALVE	EA	38	613.00	23,294.00
24	206567 (P)	3" REMOTE CONTROL VALVE	EA	1	1,330.00	1,330.00
25	206921 (P)	SOLAR POWERED IRRIGATION CONTROLLER	EA	1	19,175.00	19,175.00
26	208221 (P)	3/4" DRIP IRRIGATION TUBING	LF	2,800	2.11	5,908.00
27	208301 (P)	IRRIGATION CONTROLLER ENCLOSURE CABINET	EA	1	4,325.00	4,325.00
28	208442 (P)	FLOW SENSOR	EA	1	1,610.00	1,610.00
29	208446 (P)	SPRINKLER ASSEMBLY (RISER GEAR DRIVEN)	EA	540	41.63	22,480.20
30	208588 (P)	3" GATE VALVE	EA	1	605.00	605.00
31	208594 (P-F)	3/4" PLASTIC PIPE (SCHEDULE 40)(SUPPLY LINE)	LF	7,200	3.37	24,264.00
32	208595 (P-F)	1" PLASTIC PIPE (SCHEDULE 40)(SUPPLY LINE)	LF	2,700	3.75	10,125.00
33	208596 (P-F)	1 1/4" PLASTIC PIPE (SCHEDULE 40)(SUPPLY LINE)	LF	3,300	3.81	12,573.00

Contract (Continued)

ITEM No.	ITEM CODE	ITEM	UNIT	ESTIMATED QUANTITY	ITEM PRICE (IN FIGURES)	TOTAL (IN FIGURES)
BASE BID SCHEDULE B -BRIGGS ROAD (LANDSCAPE, IRRIGATION AND PLAN ESTABLISHMENT)						
34	208597 (P-F)	1 1/2" PLASTIC PIPE (SCHEDULE 40)(SUPPLY LINE)	LF	1,000	4.98	4,980.00
35	208598 (P-F)	2" PLASTIC PIPE (SCHEDULE 40)(SUPPLY LINE)	LF	1,000	4.60	4,600.00
36	208599 (P-F)	2 1/2" PLASTIC PIPE (SCHEDULE 40)(SUPPLY LINE)	LF	500	5.92	2,960.00
37	208600 (P-F)	3" PLASTIC PIPE (SCHEDULE 40)(SUPPLY LINE)	LF	5,300	10.35	54,855.00
38	208683 (P)	BALL VALVE	EA	6	622.50	3,735.00
39	208805	6" WELDED STEEL PIPE CONDUIT (0.250" THICK)	LF	32	40.50	1,296.00
40	210010	MOVE-IN/MOVE-OUT (EROSION CONTROL)	EA	4	720.00	2,880.00
41	210210	EROSION CONTROL (DRY SEED)(SQFT)(DIEGAN COASTAL SCRUB)	SQFT	34,010	0.08	2,720.80
42	210430	HYDROSEED [EROSION CONTROL]	SQFT	72,605	0.10	7,260.50
43	210430 A	HYDROSEED [SOUTHERN WILLOW SCRUB]	SQFT	78,975	0.06	4,738.50
44	210430 B	HYDROSEED [SYCAMORE RIPARIAN]	SQFT	22,430	0.07	1,570.10
45	210430 C	HYDROSEED [EXISTING CREEK CHANNEL]	SQFT	19,125	0.09	1,721.25
46	210430 D	HYDROSEED [CREATED CHANNEL/PERENNIAL GRASSLAND]	SQFT	65,195	0.08	5,215.60
47	210430 E	HYDROSEED [SEASONAL WETLAND]	SQFT	18,490	0.12	2,218.80
48	210430F	HYDROSEED [LARGE SEASONAL WETLAND]	SQFT	35,725	0.13	4,644.25
49	210430 G	HYDROSEED [COAST LIVE OAK WOODLAND]	SQFT	11,125	0.09	1,001.25
50	210430 H	HYDROSEED [MIXED OAK WOODLAND]	SQFT	8,550	0.08	684.00
50A	210430 (P)	ROCK SLOPE PROTECTION FABRIC (CLASS 8)	SQYD	2,535	1.57	3,979.95
50B	204008	PLANT (GROUP H)	EA	380	12.82	4,871.60

Base Bid

Sch. B

Sub-Total: Five hundred fifty three thousand, eighty six dollars and eighty cents

\$ 553,086.80

ITEMS 12-50B

"WORDS"

Contract (Continued)

ITEM No.	ITEM CODE	ITEM	UNIT	ESTIMATED QUANTITY	ITEM PRICE (IN FIGURES)	TOTAL (IN FIGURES)
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BASE BID SCHEDULE C (CLINTON KEITH ROAD RESTAURATION AND ENHANCEMENT)

51	760090	MOBILIZATION, DEMOBILIZATION AND FINAL CLEANUP [INCLUDING BEST MANAGEMENT PRACTICES (BMPS)]	LS	1	6,150.00	6,150.00
52	120100	TRAFFIC CONTROL SYSTEM [IF NECESSARY]	LS	1	110.00	110.00
53	170101	DEVELOP WATER SUPPLY	LS	1	900.00	900.00
54	030500	PERMANENT BOUNDARY STAKING	LS	1	1,150.00	1,150.00
55	031200	RESTORATION SIGNS - PURCHASE AND INSTALLATION	EA	4	312.50	1,250.00
56	160101	CLEARING AND GRUBBING [NON-NATIVE VEGETATION CLEARING AND REMOVAL]	LS	1	5,875.00	5,875.00
57	210430	HYDROSEED [NATIVE SEED MIX (0.636 AC)]	LS	1	7,980.00	7,980.00
58	032000	HARVEST WILLOW CUTTINGS ADJACENT TO SITE AND PLANT	EA	20	39.00	780.00
59	032001	PLANTING OF CONTAINER PLANTS AND CUTTINGS	EA	232	10.94	2,538.08

Base Bid
Sch C

Sub-Total: Twenty six thousand, seven hundred thirty three dollars and eight cents **\$ 26,733.08**
ITEMS 51-59 "WORDS"

ITEM No.	ITEM CODE	ITEM	UNIT	ESTIMATED QUANTITY	ITEM PRICE (IN FIGURES)	TOTAL (IN FIGURES)
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BASE BID SCHEDULE D (CLINTON KEITH ROAD, PLANT ESTABLISHMENT)

60	208000	IRRIGATION [TWICE A WEEK FOR 90 DAYS]	EA	26	360.00	9,360.00
61	032004	REPLACEMENT PLANTING (ASSUMES 10%)	EA	24	6.68	160.32
62	030501	REPAIR OR REPLACEMENT OF BOUNDARY STAKES	EA	1	160.00	160.00
63	066567	REPLACEMENT OF SIGNS	EA	1	160.00	160.00

Base Bid
Sch. D

Sub-Total: Nine thousand, eight hundred forty dollars and thirty two cents **\$ 9,840.32**
ITEMS 60-63 "WORDS"

PROJECT TOTAL: One million, seven hundred ninety nine thousand, two hundred eighty nine dollars and seventy three cents **\$1,799,289.73**
ITEMS 1- 63 "WORDS"

**Integrated Mitigation Project
Located Southwest of Briggs Road and Golden Jay Lane
In the French Valley Community
Project No. C7-0032**

IN WITNESS WHEREOF the parties hereto have executed this Contract as of the date set forth below.

COUNTY OF RIVERSIDE

**HELIX ENVIRONMENTAL
CONSTRUCTION GROUP, INC.**

BY: 
Chairman, Board of Supervisors

BY: 


DATED: AUG 04 2020

TITLE: President
(If Corporation, affix Seal)

ATTEST:

Kecia R. Harper, Clerk of the Board

ATTEST:



BY: 
Deputy

TITLE: CFO / Board Secretary

Licensed in accordance with an act providing
for the registration of Contractors,

License No.: 831496

Federal Employer Identification Number:
412093453

Department of Industrial Relations Registration Number:

1000004009

BY _____
"County"

"Corporation"
(Seal)

FORM APPROVED COUNTY COUNSEL
BY  6/24/2020
KRISTINE BELL-VALDEZ DATE

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of SAN DIEGO }

On 6/2/2020 before me, SHANNA BROWN, Notary Public
Date Here Insert Name and Title of the Officer

personally appeared JUSTIN FISCHBECK
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Shanna L. Brown
Signature of Notary Public

Place Notary Seal and/or Stamp Above

OPTIONAL

Completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

☐ Corporate Officer – Title(s): _____

☐ Partner – ☐ Limited ☐ General

☐ Individual ☐ Attorney in Fact

☐ Trustee ☐ Guardian of Conservator

☐ Other: _____

Signer is Representing: _____

Signer's Name: _____

☐ Corporate Officer – Title(s): _____

☐ Partner – ☐ Limited ☐ General

☐ Individual ☐ Attorney in Fact

☐ Trustee ☐ Guardian of Conservator

☐ Other: _____

Signer is Representing: _____

ACTION BY BOARD OF DIRECTORS OF
HELIX ENVIRONMENTAL CONSTRUCTION GROUP, INC.
A California Corporation
By Unanimous Written Consent Without a Meeting

Signing Authority

WHEREAS, there has been presented to the Board of Directors of HELIX Environmental Construction Group (HECG), a new schedule for signing authority by certain individuals and the monetary limits for check signing, the terms and provisions of which are incorporated herein by this reference as if set forth at length.

IT IS THEREFORE RESOLVED, that the new signing authority is as follows:

- **Justin Fischbeck**, President, has authority to sign any document or check on behalf of HECG, with check limits in excess of \$200,000 requiring a second signature by either Michael Schwerin or Kristin Olszak. If a lease's value exceeds 1% of gross revenue, then the lease will need Board approval before being signed.
- **Michael Schwerin**, CEO for HELIX Environmental Planning, Inc., has authority to sign any document or check on behalf of HECG, with check limits in excess of \$200,000 requiring a second signature by either Justin Fischbeck or Kristin Olszak. If a lease's value exceeds 1% of gross revenue, then the lease will need Board approval before being signed.
- **Kristin Olszak**, CFO, has authority to sign all checks, leases and financial documents for HECG, with check limits in excess of \$200,000 requiring a second signature by either Michael Schwerin or Justin Fischbeck. When any lease exceeds 1% of gross revenue in value, then the lease will need Board approval before being signed.
- **Michael Maryniewski**, Director of Operations, has authority to sign any project-related contracts or proposals for HECG that are \$150,000 or less.
- **Erik McCracken**, Construction Project Manager, has authority to sign any project-related contracts or proposals for HECG that are \$25,000 or less.

Respectfully submitted.



Justin Fischbeck

Randi Coopersmith

Kristin L. Olszak

Kristin L. Olszak Secretary

Michael Schwerin

David Claycomb

Performance Bond**Recitals:**

1. **Helix Environmental Construction Group, Inc.** (Contractor) has entered into a Contract with **COUNTY OF RIVERSIDE (County)** for construction of public work known as **Integrated Mitigation Project, Located Southwest of Briggs Road and Golden Jay Lane, In the French Valley Community, Project No. C7-0032.**
2. Harco National Insurance Company, a Illinois corporation (Surety), is the Surety under this Bond.

Agreement:

We, Contractor as Principal and Surety as Surety, jointly and severally agree, state, and are bound unto County, as obligee, as follows:

1. The amount of the obligation of this Bond is 100% of the estimated contract price for the Project of **\$1,799,289.73 (One million, seven hundred ninety nine thousand, two hundred eighty nine dollars and seventy three cents)** and inures to the benefit of County.
2. This Bond is exonerated by Contractor doing all things to be kept and performed by it in strict conformance with the Contract Documents for this project, otherwise it remains in full force and effect for the recovery of loss, damage and expense of County resulting from failure of Contractor to so act. All of said Contract Documents are incorporated herein.
3. This obligation is binding on our successors and assigns.
4. For value received, Surety stipulates and agrees that no change, time extension, prepayment to Contractor, alteration or addition to the terms and requirements of the Contract Documents or the work to be performed thereunder shall affect its obligations hereunder and waives notice as to such matters, except the total contract price cannot be increased by more than 10% without approval of Surety.

THIS BOND is executed as of May 29, 2020

By [Signature]

By Justin Fischbeck

Title President

"Contractor"
Helix Environmental Construction Group, Inc.

(Corporate Seal)

By [Signature]

Type Name Tara Bacon

Its Attorney in Fact
"Surety"
Harco National Insurance Company

(Corporate Seal)

NOTE: This Bond must be executed by both parties with corporate seal affixed. All signatures must be acknowledged. (Attach acknowledgements).

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of SAN DIEGO

On 6/2/2020
Date

before me,

SHANNA BROWN Notary Public
Here Insert Name and Title of the Officer

personally appeared

JUSTIN FISCHBECK
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature

Shanna L. Brown

Signature of Notary Public

Place Notary Seal and/or Stamp Above

OPTIONAL

Completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

☐ Corporate Officer – Title(s): _____

☐ Partner – ☐ Limited ☐ General

☐ Individual ☐ Attorney in Fact

☐ Trustee ☐ Guardian of Conservator

☐ Other: _____

Signer is Representing: _____

Signer's Name: _____

☐ Corporate Officer – Title(s): _____

☐ Partner – ☐ Limited ☐ General

☐ Individual ☐ Attorney in Fact

☐ Trustee ☐ Guardian of Conservator

☐ Other: _____

Signer is Representing: _____

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of San Diego)

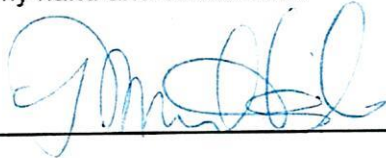
On May 29, 2020 before me, Minna Huovila, Notary Public
(insert name and title of the officer)

personally appeared Tara Bacon,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the
person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing
paragraph is true and correct.

WITNESS my hand and official seal.

Signature



(Seal)



POWER OF ATTORNEY

Bond #

0779230

HARCO NATIONAL INSURANCE COMPANY INTERNATIONAL FIDELITY INSURANCE COMPANY

Member companies of IAT Insurance Group, Headquartered: 702 Oberlin Road, Raleigh, North Carolina 27605

KNOW ALL MEN BY THESE PRESENTS: That **HARCO NATIONAL INSURANCE COMPANY**, a corporation organized and existing under the laws of the State of Illinois, and **INTERNATIONAL FIDELITY INSURANCE COMPANY**, a corporation organized and existing under the laws of the State of New Jersey, and having their principal offices located respectively in the cities of Rolling Meadows, Illinois and Newark, New Jersey, do hereby constitute and appoint

JOHN R. QUALIN, KYLE KING, TARA BACON, DALE HARSHAW, MINNA HUOVILA, GEOFFREY SHELTON

San Diego, CA

their true and lawful attorney(s)-in-fact to execute, seal and deliver for and on its behalf as surety, any and all bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof, which are or may be allowed, required or permitted by law, statute, rule, regulation, contract or otherwise, and the execution of such instrument(s) in pursuance of these presents, shall be as binding upon the said **HARCO NATIONAL INSURANCE COMPANY** and **INTERNATIONAL FIDELITY INSURANCE COMPANY**, as fully and amply, to all intents and purposes, as if the same had been duly executed and acknowledged by their regularly elected officers at their principal offices.

This Power of Attorney is executed, and may be revoked, pursuant to and by authority of the By-Laws of **HARCO NATIONAL INSURANCE COMPANY** and **INTERNATIONAL FIDELITY INSURANCE COMPANY** and is granted under and by authority of the following resolution adopted by the Board of Directors of **INTERNATIONAL FIDELITY INSURANCE COMPANY** at a meeting duly held on the 13th day of December, 2018 and by the Board of Directors of **HARCO NATIONAL INSURANCE COMPANY** at a meeting held on the 13th day of December, 2018.

"RESOLVED, that (1) the Chief Executive Officer, President, Executive Vice President, Senior Vice President, Vice President, or Secretary of the Corporation shall have the power to appoint, and to revoke the appointments of, Attorneys-in-Fact or agents with power and authority as defined or limited in their respective powers of attorney, and to execute on behalf of the Corporation and affix the Corporation's seal thereto, bonds, undertakings, recognizances, contracts of indemnity and other written obligations in the nature thereof or related thereto; and (2) any such Officers of the Corporation may appoint and revoke the appointments of joint-control custodians, agents for acceptance of process, and Attorneys-in-fact with authority to execute waivers and consents on behalf of the Corporation; and (3) the signature of any such Officer of the Corporation and the Corporation's seal may be affixed by facsimile to any power of attorney or certification given for the execution of any bond, undertaking, recognizance, contract of indemnity or other written obligation in the nature thereof or related thereto, such signature and seals when so used whether heretofore or hereafter, being hereby adopted by the Corporation as the original signature of such officer and the original seal of the Corporation, to be valid and binding upon the Corporation with the same force and effect as though manually affixed."

IN WITNESS WHEREOF, **HARCO NATIONAL INSURANCE COMPANY** and **INTERNATIONAL FIDELITY INSURANCE COMPANY** have each executed and attested these presents on this 31st day of December, 2018



STATE OF NEW JERSEY
County of Essex

Kenneth Chapman
Executive Vice President, Harco National Insurance Company
and International Fidelity Insurance Company

STATE OF ILLINOIS
County of Cook



On this 31st day of December, 2018, before me came the individual who executed the preceding instrument, to me personally known, and, being by me duly sworn, said he is the therein described and authorized officer of **HARCO NATIONAL INSURANCE COMPANY** and **INTERNATIONAL FIDELITY INSURANCE COMPANY**; that the seals affixed to said instrument are the Corporate Seals of said Companies; that the said Corporate Seals and his signature were duly affixed by order of the Boards of Directors of said Companies.



IN TESTIMONY WHEREOF, I have hereunto set my hand affixed my Official Seal, at the City of Newark, New Jersey the day and year first above written.

Shirelle A. Outley a Notary Public of New Jersey
My Commission Expires April 4, 2023

CERTIFICATION

I, the undersigned officer of **HARCO NATIONAL INSURANCE COMPANY** and **INTERNATIONAL FIDELITY INSURANCE COMPANY** do hereby certify that I have compared the foregoing copy of the Power of Attorney and affidavit, and the copy of the Sections of the By-Laws of said Companies as set forth in said Power of Attorney, with the originals on file in the home office of said companies, and that the same are correct transcripts thereof, and of the whole of the said originals, and that the said Power of Attorney has not been revoked and is now in full force and effect.

IN TESTIMONY WHEREOF, I have hereunto set my hand on this day, May 29, 2020

A00872

Irene Martins, Assistant Secretary

Payment Bond

(Public Works - Civil Code §9550 et seq.)

The makers of this Bond are **Helix Environmental Construction Group, Inc.**, as Principal and Original Contractor and Harco National Insurance Company, a corporation, authorized to issue Surety Bonds in California, as Surety, and this Bond is issued in conjunction with that certain public works contract to be executed between Principal and COUNTY OF RIVERSIDE a public entity, as Owner, for **\$1,799,289.73 (One million, seven hundred ninety nine thousand, two hundred eighty nine dollars and seventy three cents)**, the total amount payable. The amount of this bond is one hundred percent (100%) of said sum. Said contract is for public work generally consisting of **Integrated Mitigation Project, Located Southwest of Briggs Road and Golden Jay Lane, In the French Valley Community, Project No. C7-0032.**

The beneficiaries of this Bond are as is stated in 9554 of the Civil Code and requirements and conditions of this Bond are as is set forth in 9554, 9558, 9560 and 9564 of said code. Without notice, Surety consents to extension of time for performance, change in requirements, amount of compensation, or prepayment under said contract.

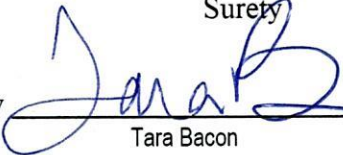
Dated: May 29, 2020Helix Environmental Construction Group, Inc.

Original Contractor – Principal

Harco National Insurance Company

Surety

By



Tara Bacon

Its Attorney In Fact

(Corporate Seal)

By



Title

President

(If corporation, affix seal)

(Corporate Seal)

STATE

OF _____

COUNTY

OF _____

}

ss. SURETY'S ACKNOWLEDGEMENT

On _____ before me, _____ personally appeared, _____, known to me, or proved to me on the basis of satisfactory evidence, to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacities, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature of Notary Public_____
Notary Public (Seal)

NOTE: This Bond must be executed by both parties with corporate seal affixed. All signatures must be acknowledged. (Attach acknowledgements).

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of SAN DIEGO }

On 6/2/2020 before me, SHANNA BROWN, Notary Public
Date Here Insert Name and Title of the Officer

personally appeared JUSTIN FISCHBECK
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Shanna L. Brown
Signature of Notary Public

Place Notary Seal and/or Stamp Above

OPTIONAL

Completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

☐ Corporate Officer – Title(s): _____

☐ Partner – ☐ Limited ☐ General

☐ Individual ☐ Attorney in Fact

☐ Trustee ☐ Guardian of Conservator

☐ Other: _____

Signer is Representing: _____

Signer's Name: _____

☐ Corporate Officer – Title(s): _____

☐ Partner – ☐ Limited ☐ General

☐ Individual ☐ Attorney in Fact

☐ Trustee ☐ Guardian of Conservator

☐ Other: _____

Signer is Representing: _____

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

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State of California

County of San Diego)

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(insert name and title of the officer)

personally appeared Tara Bacon,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are
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Signature

(Seal)



POWER OF ATTORNEY

Bond #

0779230

HARCO NATIONAL INSURANCE COMPANY INTERNATIONAL FIDELITY INSURANCE COMPANY

Member companies of IAT Insurance Group, Headquartered: 702 Oberlin Road, Raleigh, North Carolina 27605

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JOHN R. QUALIN, KYLE KING, TARA BACON, DALE HARSHAW, MINNA HUOVILA, GEOFFREY SHELTON

San Diego, CA

their true and lawful attorney(s)-in-fact to execute, seal and deliver for and on its behalf as surety, any and all bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof, which are or may be allowed, required or permitted by law, statute, rule, regulation, contract or otherwise, and the execution of such instrument(s) in pursuance of these presents, shall be as binding upon the said **HARCO NATIONAL INSURANCE COMPANY** and **INTERNATIONAL FIDELITY INSURANCE COMPANY**, as fully and amply, to all intents and purposes, as if the same had been duly executed and acknowledged by their regularly elected officers at their principal offices.

This Power of Attorney is executed, and may be revoked, pursuant to and by authority of the By-Laws of **HARCO NATIONAL INSURANCE COMPANY** and **INTERNATIONAL FIDELITY INSURANCE COMPANY** and is granted under and by authority of the following resolution adopted by the Board of Directors of **INTERNATIONAL FIDELITY INSURANCE COMPANY** at a meeting duly held on the 13th day of December, 2018 and by the Board of Directors of **HARCO NATIONAL INSURANCE COMPANY** at a meeting held on the 13th day of December, 2018.

"**RESOLVED**, that (1) the Chief Executive Officer, President, Executive Vice President, Senior Vice President, Vice President, or Secretary of the Corporation shall have the power to appoint, and to revoke the appointments of, Attorneys-in-Fact or agents with power and authority as defined or limited in their respective powers of attorney, and to execute on behalf of the Corporation and affix the Corporation's seal thereto, bonds, undertakings, recognizances, contracts of indemnity and other written obligations in the nature thereof or related thereto; and (2) any such Officers of the Corporation may appoint and revoke the appointments of joint-control custodians, agents for acceptance of process, and Attorneys-in-fact with authority to execute waivers and consents on behalf of the Corporation; and (3) the signature of any such Officer of the Corporation and the Corporation's seal may be affixed by facsimile to any power of attorney or certification given for the execution of any bond, undertaking, recognizance, contract of indemnity or other written obligation in the nature thereof or related thereto, such signature and seals when so used whether heretofore or hereafter, being hereby adopted by the Corporation as the original signature of such officer and the original seal of the Corporation, to be valid and binding upon the Corporation with the same force and effect as though manually affixed."

IN WITNESS WHEREOF, **HARCO NATIONAL INSURANCE COMPANY** and **INTERNATIONAL FIDELITY INSURANCE COMPANY** have each executed and attested these presents on this 31st day of December, 2018



STATE OF NEW JERSEY
County of Essex

Kenneth Chapman

Executive Vice President, Harco National Insurance Company
and International Fidelity Insurance Company

STATE OF ILLINOIS
County of Cook



On this 31st day of December, 2018, before me came the individual who executed the preceding instrument, to me personally known, and, being by me duly sworn, said he is the therein described and authorized officer of **HARCO NATIONAL INSURANCE COMPANY** and **INTERNATIONAL FIDELITY INSURANCE COMPANY**; that the seals affixed to said instrument are the Corporate Seals of said Companies; that the said Corporate Seals and his signature were duly affixed by order of the Boards of Directors of said Companies.



IN TESTIMONY WHEREOF, I have hereunto set my hand affixed my Official Seal, at the City of Newark, New Jersey the day and year first above written.

Shirelle A. Outley a Notary Public of New Jersey
My Commission Expires April 4, 2023

CERTIFICATION

I, the undersigned officer of **HARCO NATIONAL INSURANCE COMPANY** and **INTERNATIONAL FIDELITY INSURANCE COMPANY** do hereby certify that I have compared the foregoing copy of the Power of Attorney and affidavit, and the copy of the Sections of the By-Laws of said Companies as set forth in said Power of Attorney, with the originals on file in the home office of said companies, and that the same are correct transcripts thereof, and of the whole of the said originals, and that the said Power of Attorney has not been revoked and is now in full force and effect.

IN TESTIMONY WHEREOF, I have hereunto set my hand on this day, May 29, 2020

A00872

Irene Martins, Assistant Secretary



Company Profile

Company Search

Company Search
ResultsCompany
InformationOld Company
Names

Agent for Service

Reference
Information

NAIC Group List

Lines of Business

Workers'
Compensation
Complaint and
Request for
Action/Appeals
Contact InformationFinancial Statements
PDF's

Annual Statements

Quarterly
Statements

Company Complaint

Company
Performance &
Comparison DataCompany
Enforcement ActionComposite
Complaints Studies

Additional Info

Find A Company
Representative In
Your AreaView Financial
Disclaimer

COMPANY PROFILE

Company Information

HARCO NATIONAL INSURANCE COMPANY

702 OBERLIN ROAD
RALEIGH, NC 27605
800-342-0753

Old Company Names

HARCO NATIONAL INSURANCE COMPANY OF ILLINOIS

Effective Date

12/31/1994

Agent For Service

Vivian Imperial
818 WEST SEVENTH STREET
SUITE 930
LOS ANGELES CA 90017

Reference Information

NAIC #:	26433
California Company ID #:	3711-9
Date Authorized in California:	09/09/1994
License Status:	UNLIMITED-NORMAL
Company Type:	Property & Casualty
State of Domicile:	ILLINOIS

[back to top](#)

NAIC Group List

NAIC Group #: 0225 IAT Reins Co Grp

Lines Of Business

The company is authorized to transact business within these lines of insurance.
For an explanation of any of these terms, please refer to the glossary.

AIRCRAFT
AUTOMOBILE
BOILER AND MACHINERY
BURGLARY
COMMON CARRIER LIABILITY
CREDIT
FIRE
LIABILITY
MARINE
MISCELLANEOUS
PLATE GLASS
SPRINKLER
SURETY
TEAM AND VEHICLE
WORKERS' COMPENSATION



HELIENV-01

SZUNIGA

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
6/2/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Assured Partners of CA Insurance Services, LLC dba: Wateridge Insurance Services 10717 Sorrento Valley Road San Diego, CA 92121	CONTACT NAME: Stephanie Zuniga PHONE (A/C, No, Ext): (858) 888-7819 FAX (A/C, No): (858) 888-7820 E-MAIL ADDRESS: szuniga@wateridge.com														
INSURED Helix Environmental Planning, Inc. 7578 El Cajon Blvd., Suite 200 La Mesa, CA 91942	<table border="1"><thead><tr><th>INSURER(S) AFFORDING COVERAGE</th><th>NAIC #</th></tr></thead><tbody><tr><td>INSURER A: Everest Indemnity Insurance Co</td><td>10851</td></tr><tr><td>INSURER B: Everest National Insurance Co</td><td>10120</td></tr><tr><td>INSURER C: CompWest Insurance Company</td><td>12177</td></tr><tr><td>INSURER D:</td><td></td></tr><tr><td>INSURER E:</td><td></td></tr><tr><td>INSURER F:</td><td></td></tr></tbody></table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A: Everest Indemnity Insurance Co	10851	INSURER B: Everest National Insurance Co	10120	INSURER C: CompWest Insurance Company	12177	INSURER D:		INSURER E:		INSURER F:	
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INSURER D:															
INSURER E:															
INSURER F:															

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WYD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS														
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Contractor Pollution <input checked="" type="checkbox"/> Deductible \$5,000 GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:	X	EF4ML06406-201	4/1/2020	4/1/2021	<table border="1"><tr><td>EACH OCCURRENCE</td><td>\$ 1,000,000</td></tr><tr><td>DAMAGE TO RENTED PREMISES (Ea occurrence)</td><td>\$ 50,000</td></tr><tr><td>MED EXP (Any one person)</td><td>\$ 10,000</td></tr><tr><td>PERSONAL & ADV INJURY</td><td>\$ 1,000,000</td></tr><tr><td>GENERAL AGGREGATE</td><td>\$ 2,000,000</td></tr><tr><td>PRODUCTS - COMP/OP AGG</td><td>\$ 2,000,000</td></tr><tr><td></td><td>\$</td></tr></table>	EACH OCCURRENCE	\$ 1,000,000	DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 50,000	MED EXP (Any one person)	\$ 10,000	PERSONAL & ADV INJURY	\$ 1,000,000	GENERAL AGGREGATE	\$ 2,000,000	PRODUCTS - COMP/OP AGG	\$ 2,000,000		\$
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	\$																			
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> COMP \$100 <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY <input checked="" type="checkbox"/> COLL \$1,000	X	EF4CA00376-201	4/1/2020	4/1/2021	<table border="1"><tr><td>COMBINED SINGLE LIMIT (Ea accident)</td><td>\$ 1,000,000</td></tr><tr><td>BODILY INJURY (Per person)</td><td>\$</td></tr><tr><td>BODILY INJURY (Per accident)</td><td>\$</td></tr><tr><td>PROPERTY DAMAGE (Per accident)</td><td>\$</td></tr><tr><td></td><td>\$</td></tr></table>	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000	BODILY INJURY (Per person)	\$	BODILY INJURY (Per accident)	\$	PROPERTY DAMAGE (Per accident)	\$		\$				
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PROPERTY DAMAGE (Per accident)	\$																			
	\$																			
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 0	X	EF4CU01451-201	4/1/2020	4/1/2021	<table border="1"><tr><td>EACH OCCURRENCE</td><td>\$ 9,000,000</td></tr><tr><td>AGGREGATE</td><td>\$ 9,000,000</td></tr><tr><td></td><td>\$</td></tr></table>	EACH OCCURRENCE	\$ 9,000,000	AGGREGATE	\$ 9,000,000		\$								
EACH OCCURRENCE	\$ 9,000,000																			
AGGREGATE	\$ 9,000,000																			
	\$																			
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	WCV5504168-0	4/1/2020	4/1/2021	<table border="1"><tr><td><input checked="" type="checkbox"/> PER STATUTE</td><td>OTH-ER</td></tr><tr><td>E.L. EACH ACCIDENT</td><td>\$ 1,000,000</td></tr><tr><td>E.L. DISEASE - EA EMPLOYEE</td><td>\$ 1,000,000</td></tr><tr><td>E.L. DISEASE - POLICY LIMIT</td><td>\$ 1,000,000</td></tr></table>	<input checked="" type="checkbox"/> PER STATUTE	OTH-ER	E.L. EACH ACCIDENT	\$ 1,000,000	E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000	E.L. DISEASE - POLICY LIMIT	\$ 1,000,000						
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E.L. DISEASE - POLICY LIMIT	\$ 1,000,000																			
A	Prof Liab/Clm Made		EF4ML06406-201	4/1/2020	4/1/2021	Limit: 1,000,000														
A	Ded: \$10k Per Claim		EF4ML06406-201	4/1/2020	4/1/2021	Aggregate: 2,000,000														

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Excess Liability policy follows the General Liability, Contractors Pollution Liability, Professional Liability, Auto Liability & Employers Liability.
30 Days Notice of Cancellation with 10 Days Notice for Non-Payment of Premium in accordance with the policy provisions.

Professional Liability Retroactive Date 10/01/1991

RE: Project No. C7-0032 - Integrated Mitigation Project

SEE ATTACHED ACORD 101

CERTIFICATE HOLDER

CANCELLATION

County of Riverside
Transportation Department
Attn: Contracts/Bidding Unit
3525 14th Street
Riverside, CA 92501

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE



AGENCY CUSTOMER ID: HELIENV-01

SZUNIGA

LOC #: 1

ADDITIONAL REMARKS SCHEDULE

Page 1 of 1

AGENCY Assured Partners of CA Insurance Services, LLC dba: Wateridge Insurance Services		NAMED INSURED Helix Environmental Planning, Inc. 7578 El Cajon Blvd., Suite 200 La Mesa, CA 91942	
POLICY NUMBER SEE PAGE 1			
CARRIER SEE PAGE 1	NAIC CODE SEE P 1	EFFECTIVE DATE: SEE PAGE 1	

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,

FORM NUMBER: ACORD 25 FORM TITLE: Certificate of Liability Insurance

Description of Operations/Locations/Vehicles:

County of Riverside, its Agencies, Special Districts and Departments, their respective director, officers, Board of Supervisors, elected and appointed officials, employees, agents, and representatives; The City of Menifee, its elected or appointed officials, officers, directors, employees and agents; Eastern Municipal Water District, its elected or appointed officials, officers, directors, employees and agents are named Additional Insured's with respects to General Liability, Excess Liability, and Auto Liability per attached. Coverage is Primary and Non-Contributory. Workers Compensation Waiver of Subrogation applies.

ADDITIONAL INSURED – DESIGNATED PERSON OR ORGANIZATION – ONGOING OPERATIONS

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s):
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

- However:

- This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

Page 1 of 1

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – COMPLETED OPERATIONS

This endorsement modifies insurance provided under the following:

EVEREST CONTRACTORS ENVIRONMENTAL PLUS COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s):	Location And Description Of Completed Operations
Any owner, lessee or contractor whom you have agreed to include as an additional insured under a written contract, provided such contract was executed prior to the date of the loss.	
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

- A. **Section II – Who Is An Insured** is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or a "pollution incident" caused, in whole or in part, by "your work" at the location designated and described in the Schedule of this endorsement performed for that additional insured and included in the "products-completed operations hazard".

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

- B. With respect to the insurance afforded to these additional insureds, the following is added to

Section III – Limits Of Liability and Deductible:

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or
 2. Available under the applicable Limits of Insurance shown in the Declarations;
- whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

All other terms and conditions of this Policy remain unchanged.



THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**PRIMARY AND NONCONTRIBUTORY –
DESIGNATED PERSON OR ORGANIZATION**

This endorsement modifies insurance provided under the following:

EVEREST CONTRACTORS ENVIRONMENTAL PLUS COVERAGE FORM

SCHEDULE

Designated Person or Organization:
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

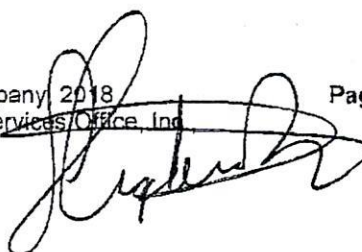
The following is added to the **Other Insurance** Condition and supersedes any provision to the contrary:

Primary And Noncontributory Insurance

This insurance is primary to and we will not seek contribution from any other insurance available to the person or organization designated in the Schedule above which you have agreed to insure under this Policy provided that:

- (1) Such person or organization is an insured under this Policy; and
- (2) An "insured contract" requires this insurance to be primary.

All other terms and conditions of this Policy remain unchanged.



THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

DESIGNATED INSURED FOR COVERED AUTOS LIABILITY COVERAGE

This endorsement modifies insurance provided under the following:

AUTO DEALERS COVERAGE FORM
BUSINESS AUTO COVERAGE FORM
MOTOR CARRIER COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by this endorsement.

This endorsement identifies person(s) or organization(s) who are "insureds" for Covered Autos Liability Coverage under the Who Is An Insured provision of the Coverage Form. This endorsement does not alter coverage provided in the Coverage Form.

This endorsement changes the policy effective on the inception date of the policy unless another date is indicated below.

Named Insured:

Endorsement Effective Date:

SCHEDULE

Name Of Person(s) Or Organization(s):

ALL ORGANIZATIONS THAT ARE REQUIRED BY WRITTEN CONTRACT WITH THE NAMED INSURED TO BE NAMED AS AN ADDITIONAL INSURED ON THIS POLICY WITH REGARD TO THEIR OPERATION, MAINTENANCE, OR USE OF A COVERED "AUTO". THE WRITTEN CONTRACT MUST BE SIGNED PRIOR TO THE DATE OF THE "ACCIDENT".

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

Each person or organization shown in the Schedule is an "insured" for Covered Autos Liability Coverage, but only to the extent that person or organization qualifies as an "insured" under the Who Is An Insured provision contained in Paragraph A.1. of Section II - Covered Autos Liability Coverage in the Business Auto and Motor Carrier Coverage Forms and Paragraph D.2. of Section I - Covered Autos Coverages of the Auto Dealers Coverage Form.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – DESIGNATED PERSON OR ORGANIZATION

This endorsement modifies insurance provided under the following:

EVEREST ENVIRONMENTAL APEX™ EXCESS LIABILITY POLICY

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s)

Blanket where required by written contract.

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

A. Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for injury or damage but only to the extent caused, in whole or in part, by your acts or omissions or the acts or omissions of those acting on your behalf:

1. In the performance of your ongoing operations; or
2. In connection with your premises owned by or rented to you.

B. The insurance afforded to an additional insured shall only include the insurance required by the terms of the written agreement and only to the extent of the insurance provided the additional insured under the "first underlying insurance", and not otherwise excluded by this policy.

C. The Limits of Insurance afforded to an additional insured shall be the lesser of the following:

1. The Limits of Insurance required by the written agreement between the parties; or
2. The Limits of Insurance provided by this Coverage Part.

D. With respect to the insurance afforded to an additional insured, the following additional exclusion applies:

This insurance does not apply to injury or damage arising out of any act or omission of an additional insured or any of its employees.



THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**WAIVER OF TRANSFER OF RIGHTS OF RECOVERY
AGAINST OTHERS TO US**

This endorsement modifies insurance provided under the following:

EVEREST ENVIRONMENTAL APEX™ EXCESS LIABILITY POLICY

SCHEDULE

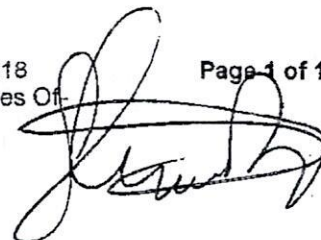
Name of Person or Organization: Blanket where required by written contract.

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement.)

The following is added to Paragraph 9. Transfer OF Rights of Recovery Against Others To Us of Section IV
-CONDITIONS:

We waive any right of recovery we may have against the person or organization shown in the Schedule above because of payments we make for injury or damage arising out of your work or operations done under a contract with that person or organization and covered by "underlying insurance" issued by us. This waiver applies only to the person or organization shown in the Schedule above.

This endorsement does not apply to rights of recovery where payments are made by "underlying insurance" that is issued by another insurer.



WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT - CALIFORNIA

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

You must maintain payroll records accurately segregating the remuneration of your employees while engaged in the work described in the Schedule.

The additional premium for this endorsement shall be \$ 500

Schedule

Any person or organization that you perform work for that is liable for an injury, covered by this policy, that prior to the injury has written contract requiring a waiver of our right to recover from them.

Person or Organization**Job Description**

Any person or organization for which the insured has
agreed by written contract.

All CA Operations

This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated.

(The information below is required only when this endorsement is issued subsequent to preparation of the policy.)

Endorsement Effective 04/01/2020

Policy No. WCV 5504168 Endorsement No. 000

Insured HELIX ENVIRONMENTAL PLANNING,

Insurance Company COMPWEST INSURANCE COMPANY

Countersigned by

EVEREST ENVIRONMENTAL APEX™ EXCESS LIABILITY DECLARATIONS

EVEREST INDEMNITY INSURANCE COMPANY

477 Martinsville Road
P.O. Box 830 Liberty Corner, NJ 07938-0830
1-800-438-4375

POLICY NUMBER: EF4CU01451-201

RENEWAL OF: NEW

PRODUCER NAME: Environmental Underwriting Solutions

ADDRESS: 3535 Grandview Parkway, Birmingham, AL 35243

**IN RETURN FOR THE PAYMENT OF THE PREMIUM, AND SUBJECT TO ALL THE TERMS OF THIS
POLICY, WE AGREE WITH YOU TO PROVIDE THE INSURANCE AS STATED IN THIS POLICY.**

ITEM 1. NAMED INSURED: Helix Environmental Planning, Inc.; Helix Environmental Construction Group Inc; Helix-Hon
JV Co.; Whitney Environmental Consulting, Inc DBA Foothill Associates

ADDRESS: 7578 El Cajon Blvd Suite 200, La Mesa, California 91942

ITEM 2. POLICY PERIOD: FROM 04/01/2020 TO 04/01/2021
12:01 A.M. STANDARD TIME AT THE ADDRESS OF THE NAMED INSURED SHOWN ABOVE.

ITEM 3. COVERAGE: Everest Environmental Apex™ Excess Liability

ITEM 4. LIMITS OF INSURANCE:
The Limits of Insurance, subject to all the terms of this Policy, are:

\$9,000,000 Each Occurrence
\$9,000,000 Products/Completed Operations Aggregate
\$9,000,000 General Aggregate
\$0 Self-Insured Retention

ITEM 5. "UNDERLYING INSURANCE"

A. First Underlying Insurance Policy(ies)

Commercial General Liability

Policy Number:	EF4ML06406-201
Policy Period:	04/01/2020 - 04/01/2021
General Aggregate Limit	
(Other than Products-Completed Operations):	\$2,000,000
Products-Completed Operations Aggregate Limit:	\$2,000,000
Personal & Advertising Injury Limit:	\$1,000,000
Each Occurrence Limit:	\$1,000,000

Commercial Auto Liability

Carrier Name: Everest National
Policy Number: EF4CA00376-201
Policy Period: 04/01/2020 - 04/01/2021
Any One Accident Limit: \$1,000,000

Employers Liability

Carrier Name: CompWest
Policy Number: WCV 5504168
Policy Period: 04/01/2020 - 04/01/2021
Bodily Injury By Accident
Each Accident Limit: \$1,000,000
Bodily Injury By Disease
Each Employee Limit: \$1,000,000
Policy Limit: \$1,000,000

Contractors Pollution Liability Occurrence (Excluding Mold)

Policy Number: EF4ML06406-201
Policy Period: 04/01/2020 - 04/01/2021
Each Pollution Condition/Aggregate Limit: \$1,000,000/\$2,000,000

Professional Liability (Including Mold)

Policy Number: EF4ML06406-201
Policy Period: 04/01/2020 - 04/01/2021
Each Incident/Aggregate Limit: \$1,000,000/\$2,000,000
Retro Date: 10/1/1991

Advanced Premium

\$57,692

Estimated Exposure

\$25,000,000

Minimum Premium

\$14,423

Rate Per

\$2.31

Minimum Earned Premium

25.00%

Audit Period

Not Auditable

ITEM 7. NOTICES:

In the event of an occurrence,
claim or "suit", send all pertinent
facts to:

**ITEM 8. FORMS AND ENDORSEMENTS:
APPLICABLE TO THIS POLICY ON
THE ORIGINAL DATE OF ISSUE:**

See Schedule of Forms and Endorsements attached.

**THESE DECLARATIONS, TOGETHER WITH THE COMMON POLICY CONDITIONS AND COVERAGE FORM(S)
AND ANY ENDORSEMENT(S) COMPLETE THE ABOVE NUMBERED POLICY.**

The foregoing discloses all hazards insured hereunder known to exist at the inception date of this Policy, unless otherwise stated herein by endorsement on this Policy.

COUNTERSIGNED _____
DATE

BY _____
AUTHORIZED REPRESENTATIVE

CUMIS Specialty Insurance Company, Inc. (Iowa)	05/15/2008
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E - G

Insurer	Date Approved
Empire Indemnity Insurance Company (Oklahoma)	12/01/1995
Endurance American Specialty Insurance Company (Delaware) (Name changed from Traders & Pacific Insurance Company effective 06/08/2006)	02/23/1996
Energy Insurance Mutual Limited (Barbados)	12/17/1997
Evanston Insurance Company (Illinois)	08/11/1995
Everest Indemnity Insurance Company (Delaware)	08/14/1998
Executive Risk Specialty Insurance Company (Connecticut)	09/01/1995
Fair American Select Insurance Company (Delaware)	07/28/2014
First Mercury Insurance Company (Delaware) (Domicile changed from Illinois to Delaware, effective 10/28/2015)	10/16/1997
First Specialty Insurance Corporation (Missouri)	09/01/1995
Gemini Insurance Company (Delaware)	02/23/1998
General Security Indemnity Company of Arizona (Arizona) (Name changed from Fulcrum Insurance Company effective 05/03/2002)	09/01/1995
General Star Indemnity Company (Delaware) (Domicile changed from Connecticut to Delaware, effective 12/31/2012)	08/11/1995
Gotham Insurance Company (New York)	08/04/1995
Great American E&S Insurance Company (Delaware) (Name changed from Agricultural Excess and Surplus Insurance Company, effective 07/27/2000)	06/30/1995
Great American Fidelity Insurance Company (Delaware) (Name changed from American Dynasty Surplus Lines Insurance Company, effective 06/27/2001)	09/01/1995
Great Lakes Insurance SE (Germany) (Domicile changed from UK to Germany and name changed from Great Lakes Reinsurance (UK) SE effective December 30, 2016 (Name changed from Great Lakes Reinsurance (UK) PLC (U.K.) effective 07/28/2015)	12/01/1995
GuideOne National Insurance Company (Iowa)	12/07/2015
Gulf Underwriters Insurance Company (Connecticut) (Domicile changed from Missouri to Connecticut, effective 10/01/2001)	07/07/1995

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Insurer	Date Approved
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Comparison DataCompany
Enforcement ActionComposite
Complaints Studies

Additional Info

Find A Company
Representative In
Your AreaView Financial
Disclaimer

COMPANY PROFILE

Company Information

EVEREST NATIONAL INSURANCE COMPANY

477 MARTINSVILLE ROAD
LIBERTY CORNER, NJ 07938
800-438-4375

Old Company Names

Effective Date

DRYDEN GUARANTY INSURANCE COMPANY	10/20/1993
PRUDENTIAL NATIONAL INSURANCE COMPANY	06/17/1996

Agent For Service

Melissa DeKoven
2710 Gateway Oaks Drive, Suite 150N
Sacramento CA 95833-3505

Reference Information

NAIC #:	10120
California Company ID #:	3138-5
Date Authorized in California:	03/02/1988
License Status:	UNLIMITED-NORMAL
Company Type:	Property & Casualty
State of Domicile:	DELAWARE

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NAIC Group List

NAIC Group #:	1120	EVEREST REINS HOLDINGS GRP
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Lines Of Business

The company is authorized to transact business within these lines of insurance.
For an explanation of any of these terms, please refer to the glossary.

AIRCRAFT
AUTOMOBILE
BOILER AND MACHINERY
BURGLARY
COMMON CARRIER LIABILITY
FIRE
LIABILITY
MARINE
MISCELLANEOUS
PLATE GLASS
SPRINKLER
SURETY
TEAM AND VEHICLE
WORKERS' COMPENSATION

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Enforcement ActionComposite
Complaints Studies

Additional Info

Find A Company
Representative In
Your AreaView Financial
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COMPANY PROFILE

Company Information

COMPWEST INSURANCE COMPANY
3 HUTTON CENTRE DRIVE, SUITE 550
SANTA ANA, CA 92707

Old Company Names

Effective Date

Agent For Service

Vivian Imperial
 818 WEST SEVENTH STREET
 SUITE 930
 LOS ANGELES CA 90017

Reference Information

NAIC #:	12177
California Company ID #:	4859-5
Date Authorized in California:	09/22/2004
License Status:	UNLIMITED-NORMAL
Company Type:	Property & Casualty
State of Domicile:	CALIFORNIA

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NAIC Group List

NAIC Group #: 0572 BCBS OF MI GRP

Lines Of Business

The company is authorized to transact business within these lines of insurance.
 For an explanation of any of these terms, please refer to the glossary.

DISABILITY

LIABILITY

WORKERS' COMPENSATION

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Patricia Romo, P.E.
Director of Transportation

COUNTY OF RIVERSIDE

TRANSPORTATION AND LAND MANAGEMENT AGENCY

Mojahed Salama, P.E.
Deputy for Transportation/Capital Projects
Richard Lantis, P.L.S.
Deputy for Transportation/Planning and
Development

Transportation Department

ADDENDUM NUMBER 1

Dated April 22, 2020

to the
Specifications and Contract Documents
for the construction of

Integrated Mitigation Project
Located Southwest of Briggs Road and Golden Jay Lane
In the French Valley Community
Project No. C7-0032

Bids Due: (Revised)
Wednesday, May 6, 2020; 2:00 p.m.
14th Street Transportation Annex
3525 14th Street; Riverside, CA 92501
(951) 955-6780

This Addendum is issued pursuant to the Instructions to Bidders, Item No. 8, of the Contract Documents for the reference project. This Addendum is issued as a supplement to the specification and special provisions for the referenced project. The revisions to the specifications shall become a part of the Contract Documents, and each bidder shall acknowledge receipt thereof on the Bid (Proposal). Bidders are directed to sign this addendum as acknowledged and attach the signed addendum to the contractor's submitted proposal.

Note: During the advertisement period of this project, this document and attachments (if any) are available upon request at the office of the Transportation Department, and are available as a free download at the Transportation Department's website:

<http://rctlma.org/trans/Contractors-Corner/Notices-Inviting-Bids>

MODIFICATIONS / CLARIFICATIONS:

Item 1: The new designated date and time for the receipt and opening of bids is revised as follows:

Wednesday, May 6, 2020; 2:00 p.m.
14th Street Transportation Annex
3525 14th Street; Riverside, CA 92501
(951) 955-6780

Item 1a: Revised Proposal. Refer to "Proposal" pages B2-B4. Delete and replace "Proposal" (page B2-B4) with "Proposal (Revised)" attached herewith as **Attachment "A"**.

a. The quantities of following bid items have been revised:

Item# 5; TEMPORARY FENCE (TYPE ESA)
Item#12; PLANT (GROUP P)
Item#13; PLANT (GROUP A)
Item#17; GRAVELMULCH

Item#26; 3/4" DRIP IRRIGATION TUBING
Item# 42; HYDROSEED [EROSIONCONTROL]

b. The following bid items have been added:

Item# 11A; 16' METAL GATE
Item# 11B; REMOVE GATE
Item# 11C; RECONSTRUCT FENCE
Item# 11D; EQUESTRIAN FENCE
Item# 50A; ROCK SLOPE PROTECTION FABRIC (CLASS 8)

c. The following bid item has been deleted:

Item 10; CHAIN LINK GATE

Item 1b 00-1.09 A Progress Payment Restrictions

Refer to Special Provisions Section 00-.09A on page 5 of the Special Provisions. Following correction and additional provision added and made part thereof.

Base Bid Schedule B:

Plant Establishment Work [1250 WD][5 Years]	\$ 100,000.00
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In the event that a bidder submit bid item cost for "Plant Establishment Work [1250 WD][5 Years]" bid item lower than the minimum value specified above, the bid will be corrected by applying minimum value specified herein.

Item 2 14-1.02 Environmentally Sensitive Area

Refer to Special Provisions Section 14-1.02 on page 22 of the Special Provisions. This section has been deleted and replaced with the following and made part thereof.

Replace Section 14-1.02 with:

14-1.02 ENVIRONMENTALLY SENSITIVE AREA (ESA)

14-1.02A General

Section 14-1.02 includes specifications for environmentally sensitive area

requirements. If an ESA is shown:

1. The boundaries shown are approximate; the Department marks the exact boundaries on the ground
2. Do not enter the ESA unless authorized
3. If the ESA is breached, immediately:
 - 3.1. Secure the area and stop all operations within 60 feet of the ESA boundary
 - 3.2. Notify the Engineer
4. If the ESA is damaged, the Department determines what efforts are necessary to remedy the damage and who performs the remedy; you are responsible for remedies and charges

Item 3 14-1.03 Type ESA Temporary Fence

Refer to Special Provisions Section 14-1.03 on page 22 of the Special Provisions. This section has been deleted and replaced with the following and made part thereof.

14-1.03 TYPE ESA MPORARY FENCE

14-1.03A General

14-1.03A(1) Summary

Section 14-1.03 includes specifications for installing, maintaining, and removing Type ESA temporary fence. Type ESA temporary fence provides a visible boundary adjacent to protected areas such as an ESA. Signs are required for Type ESA temporary fence.

14-1.03A(2) Submittals

Submit a certificate of compliance for high visibility fabric and safety caps for metal posts.

14-1.03B Materials

14-1.03B(1) High Visibility Fabric

High visibility fabric for Type ESA temporary fence must comply with section 13-10.02D and must:

1. Contain ultraviolet inhibitors
2. Comply with the ESA properties in the following table:

Property	Specifications	Requirements
Width, inches, min	Measured	48
Opening size, inches	Measured	1 by 1 inch (min) 2 by 4 inches (max)
Color	Observed	Orange
Roll weight, lb, min for 4 by 100 foot roll	Measured	12
Tensile strength, lb, min	ASTM D4595	320

14-1.03B(2) Posts

Posts for Type ESA temporary fence must be wood or steel.

Wood and metal posts for Type ESA temporary fence must comply with section 13-10.02.

Wood posts must be at least 2 by 2 inches in size and 6 feet long.

Metal posts must be at least 6 feet long.

14-1.03B(3) Signs

Signs for Type ESA temporary fence must be:

1. Weatherproof and fade-proof and may include plastic laminated printed paper affixed to an inflexible weatherproof backer board
2. Attached to the high visibility fabric with tie wire or locking plastic fasteners

14-1.03C

Construction

14-1.03C(1)

General

Install Type ESA temporary fence:

1. With high visibility fabric, posts, and fasteners as follows:
 - 1.1. If wood posts are used, fasteners must be staples or nails
 - 1.2. If steel posts are used, fasteners must be tie wires or locking plastic fasteners
 - 1.3. Spacing of the fasteners must be no more than 8 inches apart

2. Before clearing and grubbing activities
3. From outside of the protected area
4. With posts spaced 8 feet apart.

Signs must be attached with the top of the sign panel flush with the top of the high visibility fabric and placed 100 feet apart along the length and at each end of the fence.

If trees and other plants need protection, install the fence to enclose the drip line of the foliage canopy of protected plants and protect visible roots from encroachment.

14-1.03C(2) Maintenance

Maintain Type ESA temporary fence by:

1. Keeping posts in a vertical position
2. Reattaching fabric to posts
3. Replacing damaged sections of fabric
4. Replacing and securing signs

14-1.03D Payment

The fence payment quantity does not include the width of openings.

The fence is measured:

1. Parallel to the ground slope
2. Along the fence

Temporary Fence (Type ESA) will be paid for at the contract unit price per linear feet of fence required by the plans, and shall include full compensation for furnishing all the necessary materials, fittings and hardware, posts, clearing the line of the fence and disposing of the resulting material, excavating high points in the existing ground between posts, and doing all the work involved in installing the fence complete in place, and no additional compensation will be made therefore

Item 4 Biological, Cultural and Tribal Monitor

Refer to Special Provisions Section 14-2.02 Archeological Resources on page 22 and Section 14-6 Biological Resources on page 24 of the Special Provisions. Following provisions added and made part thereof.

The County will supply Biological Monitor, Cultural Monitor and Tribal Monitor during construction. The contractor shall coordinate with RE and request for Biological, Cultural and Tribal monitors when earthwork activities are taking place or as directed by RE.

Item 5 15 Existing Facilities

The following Special Provisions are added to the Contract documents and made part thereof.

Add Section 15-1 and 15-2:

15-1 GENERAL

15-1.01 GENERAL

Section 15-1 includes general specifications for performing work on existing facilities.

Wherever work requires removing materials, the work includes disposing of the materials unless salvaging or incorporating the materials into the final work is described.

Wherever work includes removing, salvaging, reconstructing, abandoning, destroying, modifying, resetting, relocating, or relaying, do not start such activities until the facility is no longer needed or not being used.

Portions of the existing facilities that are to remain in place must be protected, preserved, and maintained. If you damage a portion of the facility that is to remain in place, you must repair or replace the damaged facility. After the repair or replacement, the condition of the facility must be equal or better in quality than it was before beginning the work. Remove materials that are not repaired.

Drainage facilities include culverts, inlets, headwalls, endwalls, aprons, drains, pipes, catch basins, gutters, gutter depressions, junction structures, spillways, and check dams.

15-1.02 MATERIALS

Not Used

15-1.03 CONSTRUCTION

15-1.03A General

Trenches, holes, depressions, and pits caused by removing, salvaging, reconstructing, abandoning, destroying, modifying, resetting, relocating, adjusting, relaying, remodeling, and rehabilitating highway facilities must be backfilled with embankment material under section 19. If the trenches, holes, depressions, and pits are in surfaced areas that otherwise remain undisturbed, backfill with material that is equal or better in quality and to the thickness of the surrounding materials.

15-1.03B Residue Containing Lead from Paint and Thermoplastic

Reserved

15-1.03C Loop Detectors

Reserved

15-1.03D Highway Irrigation Facilities

Not Used

15-1.04 PAYMENT

If no particular bid item for removal of existing facility shown on bid item list, then the full compensation for removal and disposal of existing facility shall be considered as included in the Clearing and Grubbing, no additional compensation will be allowed.

15-2 MISCELLANEOUS FACILITIES

15-2.01 GENERAL

15-2.01A General

Section 15-2 includes specifications for removing, salvaging, reconstructing, abandoning, destroying, modifying, resetting, relocating, relaying, remodeling, and adjusting miscellaneous highway facilities.

15-2.01B Materials

Unless described otherwise, use minor concrete.
Reinforcement must comply with section 52.

15-2.01C Construction

Not Used

15-2.01D Payment

Remove, salvage, reconstruct, relocate, or reset fencing is measured parallel to the top of the fence. Gates are units. The fence payment quantity does not include the width of the gate.

15-2.02 REMOVE

15-2.02A General

Section 15-2.02 includes specifications for removing facilities or portions of facilities as described.

15-2.02B Remove

Not Used

15-2.02B(2) Obliterate Roads, Detours, and Surfacing

Not Used

15-2.02C(3) Payment

If no bid item is shown for remove pavement marking, remove pavement marking is paid for as remove traffic stripe of the types shown in the Bid Item List, and the payment quantity for 1 square foot of pavement marking is 3 linear feet.

15-2.04 RECONSTRUCT

15-2.04A General

Section 15-2.04 includes specifications for removing, disassembling, and constructing facilities again at the original or new locations.

Furnish and install new parts and construct alterations as described.

Reconstructed facilities must conform to the design of the existing facility and be equal to the best portions of the existing facility.

Reconstruction work must comply with the applicable specifications for new work of similar character.

Clean the material to be reconstructed. Remove earth, foreign materials, and concrete.

Segregate damaged from undamaged material or items, and remove the damaged material or items.

If you damage material or items to be reconstructed, repair, or replace them at your expense. The replacement for the damaged material or item must be of the same kind and of the same or better quality and condition as the material or item before removal. If authorized, the cost of replacement will be deducted in lieu of you providing a replacement.

Before removal, if the Engineer determines that a portion of the existing facility cannot be reused in the reconstruction, remove that portion. Furnishing the replacement material or item for that portion of the existing facility is change order work.

15-2.04B Reconstruct Fences

Prevent livestock from escaping during fence reconstruction.

At the junction of the reconstructed fence and cross fence, place corner posts with braces and join the fences. Gates to be reused must be installed in reconstructed fences at the locations designated by the Engineer. Fence reconstruction includes necessary clearing. Clearing must comply with section 80-1.02. If the amount of fence to be disassembled exceeds the amount needed for reconstruction, dispose of the excess fencing.

Item 6 17-2.01 Develop Water Supply

Refer to fourth paragraph of Special Provisions Section 17-2.01, Develop Water Supply on page 28. The fourth paragraph is deleted and replaced with the following:

Contractor is required to supply all water necessary and maintain the water supply and irrigation systems for entire plan establishment and monitoring period.

Item 7 20-2.10B Sprinklers

The following Special Provisions are added to the Contract documents and made part thereof.

20-2.10 SPRINKLER ASSEMBLIES

20-2.10A General

Section 20-2.10 includes specifications for installing sprinkler assemblies.

20-2.10B(2) Pop-Up Sprinkler Assemblies

20-2.10B Materials

20-2.10B(1) General

Each sprinkler assembly must meet the characteristics shown in the sprinkler schedule.

Where shown, a sprinkler assembly must have a flow shut-off device that automatically stops the flow of water on the downstream side of the device when the assembly is broken. You may use a sprinkler assembly with a preinstalled flow shut-off device or you must install a flow shut-off device under the manufacturer's instructions.

Flexible hose for sprinkler assembly must be leak-free, nonrigid and comply with ASTM D 2287, cell Type 6564500. The hose wall thickness must comply with ASTM D 2122 for the hose diameters shown in the following table:

Hose Diameter, nominal (inch)	Minimum wall thickness (inch)
1/2	0.127
3/4	0.154
1	0.179

Solvent cement and fittings for flexible hose must comply with section 20-2.09B(5).

20-2.10B(2) Pop-up Sprinkler Assemblies

Each pop-up sprinkler assembly must include a body, nozzle, swing joint, pressure compensation device, check valve, sprinkler protector, and fittings as shown.

20-2.10B(3) Riser Sprinkler Assemblies

Each riser sprinkler assembly must include a riser or flexible hose, threaded nipple, check

valve, and nozzle as shown. The riser must be UV resistant schedule 80, PVC 1120 or PVC 1220 pipe and comply with ASTM D 1785.

Item 8 Gates (Replacement)

Refer to Special Provision Section 80-10 on page 70-71, the entire section has been deleted and replaced with the following provisions and made part thereof.

Replace “RESERVED” in Section 80-11 with:

80-11 METAL GATES

80-11.01 GENERAL

Section 80-11 includes specifications for constructing metal gates.
You must submit shop drawings of gates and posts to the Engineer for approval before gates are manufactured and ordered.

80-11.02 MATERIALS

Steel pipes used for metal gate and latch posts must be galvanized schedule 80 of the nominal size as shown on the plans.

Steel used for gate posts must be galvanized schedule 40 of the nominal size as shown on the plans.

All steel elements, including, but not limited to, pipe, posts, plates, chain, etc. must be galvanized steel prior to painting.

Concrete for post footings must be made from commercial-quality aggregates and cementitious material and use at least 470 pounds of cementitious material per cubic yard.

All reinforcing bar must comply with ASTM A706/A706M.
Knox locks shall be provided by the County of Riverside.

80-11.03 CONSTRUCTION

Footings shall be cast in drilled holes of the diameter shown on the plans to maintain undisturbed, compacted soil adjacent to the footings.

All welds must comply with section 11.

Any cuts, welds, or modifications to the steel pipes or other steel components made in the field will be re-galvanized using two coats of zinc coating overlapping the non-damaged portion by not less than ½-inch.

80-11.04 PAYMENT

Payment for latch posts shall be included in the payment for metal gates.

Item 9: 80-12 Equestrian Access

The following Special Provisions are added to the Contract documents and made part thereof.

80-12 EQUESTRIAN ACCESS

Section 80-12 includes specifications for constructing equestrian access.

Lumber for posts and rails shall consist of rough sawn, whole, virgin lumber, supplied in the dimensions shown on the plans. Laminated or composition wood products will not be accepted. Lumber shall be commercially treated to resist rot and decomposition.

Welded wire fence fabric shall consist of 11-gauge steel wire woven in an open grid, with openings sized as shown on the plans. Wire crossings shall be welded, and the assembled fabric shall be galvanized after welding.

80-12.03 CONSTRUCTION

Assemble cross pieces and bolt securely. Cut fence fabric to size, trimming wire stubs flush and smooth with cross wires. Fasten fabric to posts a maximum of 8-inch OC using heavy-duty staples minimum 1 ¼-inch long or "U"-shaped brads of similar dimension. Ensure the completed access is free of jagged or sharp edges or protrusions that may cause abrasions to animals or riders utilizing the access.

Equestrian Access will be paid for at the contract unit price per each access required by the plans, and shall include full compensation for furnishing the materials together with all necessary fittings and hardware, clearing the line of the gate and disposing of the resulting material, excavating high points in the existing ground between posts, excavating and doing all the work involved in installing the equestrian access complete in place, and no additional compensation will be made therefore.

[illegible]

MODIFICATIONS / CLARIFICATIONS TO THE PLANS

Item 10: Plan Sheets (Replacement)

Refer to following plan sheets. These plan sheets are deleted and replaced with revised sheets as noted below: The revised sheets are attached herewith as **Attachment “B”**:

Plan sheet 11-18, 20-28, and 33-35

Note: All revised plan sheets are posted on following website and available for download during the advertisement period.

<http://rctlma.org/trans/Contractors-Corner/Notices-Inviting-Bids>

ATTACHMENTS

A – Revised Proposal (3 page)

B – Revised Proposal (20 page)

Addendum No. 1

Integrated Mitigation Project

Located Southwest of Briggs Road and Golden Jay Lane

In the French Valley Community

Project No. C7-0032

April 22, 2020

Page 11 of 12

This addendum has been prepared under the direction of the following registered Civil Engineer(s):



Mujahid Chandoo, P.E.



Recommended by:



Benjie Cho, PE
Senior Civil Engineer

Concurrence:

 for

Khalid Nasim, P.E.
Engineering Division Manager

Acknowledged: _____ **Date:** _____
(Contractor)

JRJ: jrj:sb

Note: Submittal of this page only (signed by bidder) with bid proposal is sufficient as addendum acknowledgement.

**Integrated Mitigation Project
Located Southwest of Briggs Road and Golden Jay Lane
In the French Valley Community
Project No. C7-0032**

PROPOSAL (REVISED)

BASE BID SCHEDULE A - BRIGGS ROAD (CHANNEL CONSTRUCTION)

ITEM No.	ITEM CODE	ITEM	UNIT	ESTIMATED QUANTITY	ITEM PRICE (IN FIGURES)	TOTAL (IN FIGURES)
1	760090	MOBILIZATION, DEMOBILIZATION, AND FINAL CLEANUP	LS	1		
2	130300	PREPARE STORM WATER POLLUTION PREVENTION PLAN	LS	1		
3	066102	DUST ABATEMENT	LS	1		
4	170101	DEVELOP WATER SUPPLY (SCHEDULE A)	LS	1		
5	141000	TEMPORARY FENCE (TYPE ESA)	LF	8,500		
6	160102	CLEARING AND GRUBBING	LS	1		
7	190151	CHANNEL EXCAVATION	CY	5,036		
8	011901	SELECT NATIVE MATERIAL	CY	428		
9	720000	ROCK SLOPE PROTECTION	CY	2,810		
10	————	ITEM DELETED BY ADDENDUM	———	———	———	———
11	001602	MISCELLANEOUS WORK (AS DIRECTED)	FA	1	60,000.00	60,000.00
11A	801364	16' METAL GATE	EA	3		
11B	803060	REMOVE GATE	EA	2		
11C	803100	RECONSTRUCT FENCE	LF	28		
11D	801364	EQUESTRIAN ACCESS	EA	1		

BASE BID SCH. A

SUB-TOTAL:

ITEMS 1-11D

"WORDS"

\$

BASE BID SCHEDULE B -BRIGGS ROAD (LANDSCAPE, IRRIGATION AND PLAN ESTABLISHMENT)

ITEM No.	ITEM CODE	ITEM	UNIT	ESTIMATED QUANTITY	ITEM PRICE (IN FIGURES)	TOTAL (IN FIGURES)
12	204020	PLANT (GROUP P)	EA	410		
13	204035	PLANT (GROUP A)	EA	295		
14	204036	PLANT (GROUP B)	EA	65		
15	204038	PLANT (GROUP U)	EA	190		
16	204099	PLANT ESTABLISHMENT WORK [1250 WD] [5-YEARS]	LS	1		
17	205033	GRAVEL MULCH	CY	420		
18	205035	WOOD MULCH	CY	54		
19	205051	FOLIAGE PROTECTOR	EA	1,195		
20	206405	REMOVE IRRIGATION FACILITY	LS	1		

BASE BID SCHEDULE B - LANDSCAPE, IRRIGATION, PLANTING, and PLANT ESTABLISHMENT WORK

ITEM No.	ITEM CODE	ITEM	UNIT	ESTIMATED QUANTITY	ITEM PRICE (IN FIGURES)	TOTAL (IN FIGURES)
21	206560(P)	CONTROL AND NEUTRAL CONDUCTORS	LS	1		
22	206562(P)	1" REMOTE CONTROL VALVE	EA	8		
23	206564(P)	1 1/2" REMOTE CONTROL VALVE	EA	38		
24	206567(P)	3" REMOTE CONTROL VALVE	EA	1		
25	206921(P)	SOLAR POWERED IRRIGATION CONTROLLER	EA	1		
26	208221(P)	3/4" DRIP IRRIGATION TUBING	LF	2,800		
27	208301(P)	IRRIGATION CONTROLLER ENCLOSURE CABINET	EA	1		
28	208442(P)	FLOW SENSOR	EA	1		
29	208446(P)	SPRINKLER ASSEMBLY (RISER GEAR DRIVEN)	EA	540		
30	208575(P)	2" GATE VALVE	EA	1		
31	208594(P-F)	3/4" PLASTIC PIPE (SCHEDULE 40)(SUPPLY LINE)	LF	7,200		
32	208595(P-F)	1" PLASTIC PIPE (SCHEDULE 40)(SUPPLY LINE)	LF	2,700		
33	208596(P-F)	1 1/4" PLASTIC PIPE (SCHEDULE 40)(SUPPLY LINE)	LF	3,300		
34	208597(P-F)	1 1/2" PLASTIC PIPE (SCHEDULE 40)(SUPPLY LINE)	LF	1,000		
35	208598(P-F)	2" PLASTIC PIPE (SCHEDULE 40)(SUPPLY LINE)	LF	1,000		
36	208599(P-F)	2 1/2" PLASTIC PIPE (SCHEDULE 40)(SUPPLY LINE)	LF	500		
37	208600(P-F)	3" PLASTIC PIPE (SCHEDULE 40)(SUPPLY LINE)	LF	5,300		
38	208683(P)	BALL VALVE	EA	6		
39	208805	6" WELDED STEEL PIPE CONDUIT (0.250" THICK)	LF	32		
40	210010	MOVE-IN/MOVE-OUT (EROSION CONTROL)	EA	4		
41	210210	EROSION CONTROL (DRY SEED)(SQFT)(DIEGAN COASTAL SCRUB)	SQFT	29,290		
42	210430	HYDROSEED [EROSION CONTROL]	SQFT	72,605		
43	210430	HYDROSEED [SOUTHERN WILLOW SCRUB]	SQFT	64,545		
44	210430	HYDROSEED [SYCAMORE RIPARIAN]	SQFT	23,320		
45	210430	HYDROSEED [EXISTING CREEK CHANNEL]	SQFT	23,010		
46	210430	HYDROSEED [CREATED CHANNEL/PERENNIAL GRASSLAND]	SQFT	64,070		
47	210430	HYDROSEED [SEASONAL WETLAND]	SQFT	19,475		
48	210430	HYDROSEED [LARGE SEASONAL WETLAND]	SQFT	35,730		
49	210430	HYDROSEED [COAST LIVE OAK WOODLAND]	SQFT	15,660		
50	210430	HYDROSEED [MIXED OAK WOODLAND]	SQFT	8,705		
50A	210430(P)	ROCK SLOPE PROTECTION FABRIC (CLASS 8)	SQYD	2,535		

BASE BID SCH. B

SUB-TOTAL:

ITEMS 12-50A

"WORDS"

\$ _____

BASE BID SCHEDULE C (CLINTON KEITH ROAD RESTAURATION AND ENHANCEMENT)

ITEM No.	ITEM CODE	ITEM	UNIT	ESTIMATED QUANTITY	ITEM PRICE (IN FIGURES)	TOTAL (IN FIGURES)
51	760090	MOBILIZATION, DEMOBILIZATION AND FINAL CLEANUP [INCLUDING BEST MANAGEMENT	LS	1		
52	120100	TRAFFIC CONTROL SYSTEM [IF NECESSARY]	LS	1		
53	170101	DEVELOP WATER SUPPLY	LS	1		
54	030500	PERMANENT BOUNDARY STAKING	LS	1		
55	031200	RESTORATION SIGNS - PURCHASE AND INSTALLATION	EA	4		
56	160101	CLEARING AND GRUBBING [NON-NATIVE VEGETATION CLEARING AND REMOVAL]	LS	1		
57	210430	HYDROSEED [NATIVE SEED MIX (0.636 AC)]	LS	1		
58	032000	HARVEST WILLOW CUTTINGS ADJACENT TO SITE AND PLANT	EA	20		
59	032001	PLANTING OF CONTAINER PLANTS AND CUTTINGS	EA	222		

BASE BID SCH. C

SUB-TOTAL: _____ \$ _____

ITEMS 51-59 "WORDS"

BASE BID SCHEDULE D (CLINTON KEITH ROAD, PLANT ESTABLISHMENT)

ITEM No.	ITEM CODE	ITEM	UNIT	ESTIMATED QUANTITY	ITEM PRICE (IN FIGURES)	TOTAL (IN FIGURES)
60	208000	IRRIGATION [TWICE A WEEK FOR 90 DAYS]	EA	26		
61	032004	REPLACEMENT PLANTING (ASSUMES 10%)	EA	24		
62	030501	REPAIR OR REPLACEMENT OF BOUNDARY STAKES	EA	1		
63	066567	REPLACEMENT OF SIGNS	EA	1		

BASE BID SCH. D

SUB-TOTAL: _____ \$ _____

ITEMS 60-63 "WORDS"

BASE BID SCHEDULE A + SCHEDULE B + SCHEDULE C + SCHEDULE D

PROJECT TOTAL: _____ \$ _____

ITEMS 1-63 "WORDS"

NOTE: Refer to Addendum No.1 item 1b; In the event that a bidder submit bid item cost for Bid item 16, "Plant Establishment Work [1250 WD][5 Years]" bid item lower than the minimum specified value, the bid will be corrected accordingly.

SPRINKLER SCHEDULE														
SYMBOL	TYPE	DESCRIPTION	SPRAY PATTERN	OPERATING PRESSURE (PSI)	PRESSURE COMPENSATING	DISCHARGE PLUS/MINUS 5% ②		RADIUS	RISER				RISER SUPPORT	REMARKS
						GALLONS PER MINUTE (GPM)	GALLONS PER HOUR (GPH)		MATERIAL	SIZE (IPS INCH)	HEIGHT (INCH)	FLOW SHUTOFF DEVICE		
6	A-6	GEAR DRIVEN POP-UP	FULL	30-90		2.3		15' - 35'	PL	¾	12	X	X	6" POP-UP
6	A-6	GEAR DRIVEN POP-UP	PART	90-90		2.3		15' - 35'	PL	¾	12	X	X	6" POP-UP
	D-3	EMITTER		5-50	X		½							W/ INTERNAL CHECK VALVE
	D-3	EMITTER		5-50	X		1							W/ INTERNAL CHECK VALVE
	D-3	EMITTER		5-50	X		2							W/ INTERNAL CHECK VALVE

X IN BOX DENOTES REQUIREMENT

APPLICABLE WHEN CIRCLED BELOW:

1 - See Special Provisions.

② - If a pressure compensating device is specified, the discharge and radii shown reflect its use.

3 - Arc Stop shall be fitted with a nut and bolt.

4 - Vinyl-coated cast iron housing.

⑤ - Swing Joints required adjacent to shoulders, curbs, sidewalks, and dikes.

6 - Unless otherwise shown on plans.

ABBREVIATIONS

F — full circle

P — part circle

F/P — full/part circle

Q — quarter circle

T — third circle

H — half circle

TT — two third circle

TQ — three quarter circle

CST — center strip

SST — side strip

EST — end strip

F+ — feet/foot

GPM — gallons per minute

GPH — gallons per hour

Adj — adjustable

PL — plastic

B/B — brass/bronze

B/PL — brass/plastic

B/B/PL — brass/bronze/plastic

NPT — national pipe thread

IPS — iron pipe size

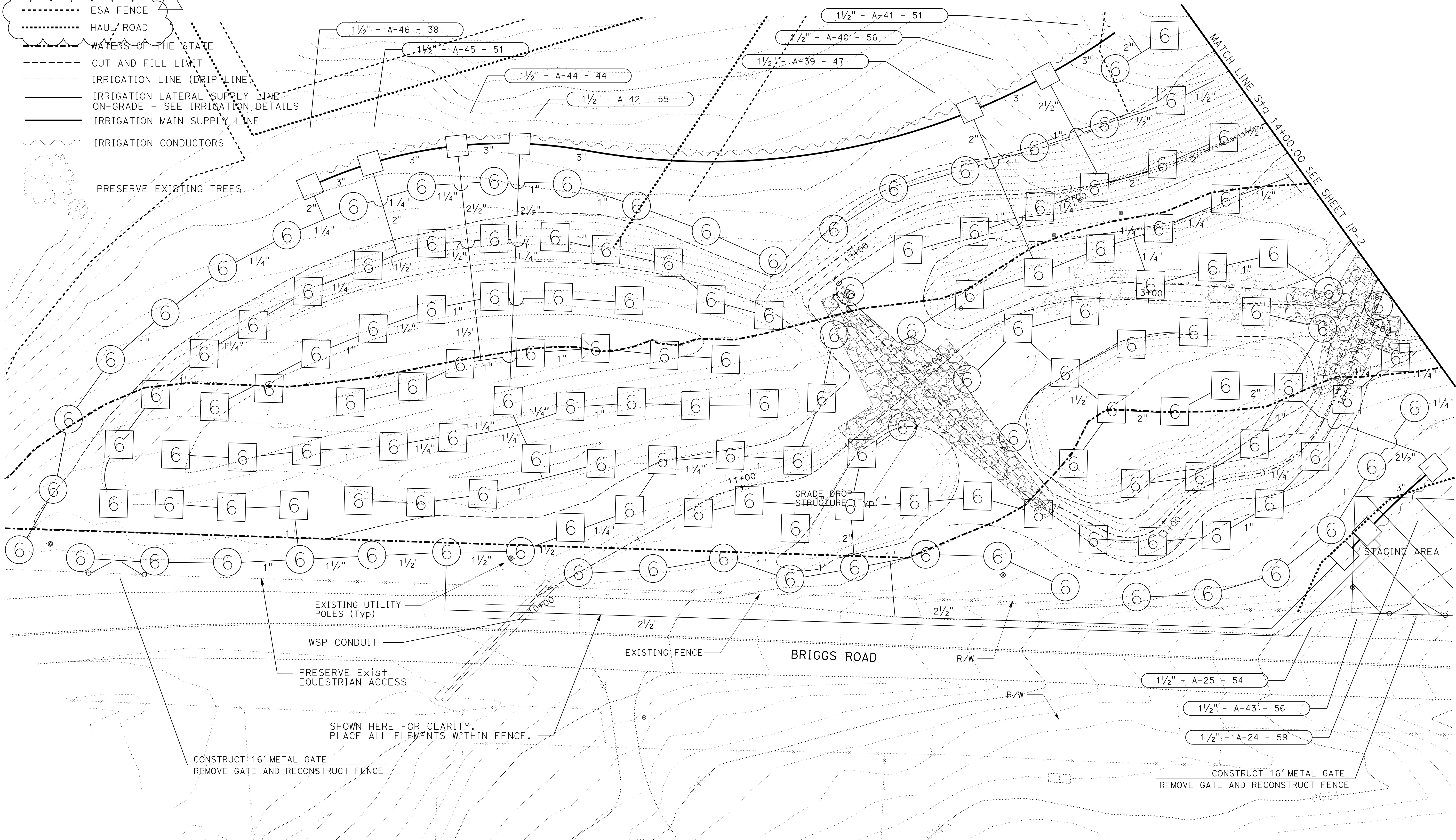
PSI — pounds per square inch

FLOW SENSOR

LEGEND:

- ESA FENCE
- HAUL ROAD
- WATERS OF THE STATE
- CUT AND FILL LIMIT
- IRRIGATION LINE (DRIP LINE)
- IRRIGATION LATERAL SUPPLY LINE
- ON-GRADE - SEE IRRIGATION DETAILS
- IRRIGATION MAIN SUPPLY LINE
- IRRIGATION CONDUCTORS

NOTE: BURY MAIN SUPPLY LINES Min 30" DEPTH TO TOP OF PIPE.

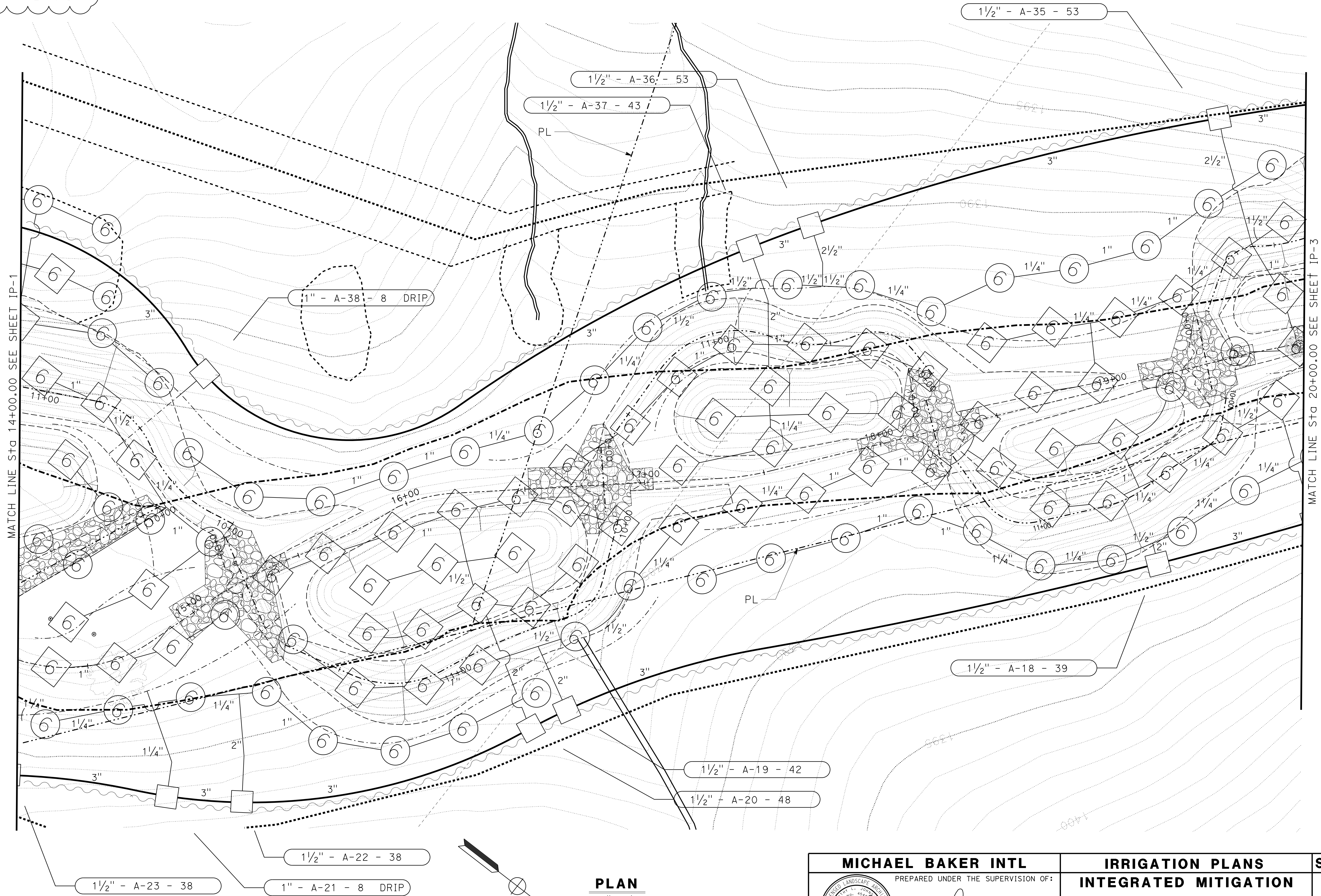



1 2020-04-05 Addendum

PLAN
1"=20'

MICHAEL BAKER INTL PREPARED UNDER THE SUPERVISION OF: CATHY L. JOHNSON LANDSCAPE ARCHITECT	IRRIGATION PLANS INTEGRATED MITIGATION BRIGGS ROAD IRRIGATION PLAN	SHEET No. IP-1 SHEET 12 OF 29
	3-5-20 DATE	

1
----- ESA FENCE
----- HAUL ROAD



MICHAEL BAKER INTL PREPARED UNDER THE SUPERVISION OF:  CATHY L. JOHNSON LANDSCAPE ARCHITECT 3-5-20 DATE	IRRIGATION PLANS INTEGRATED MITIGATION BRIGGS ROAD IRRIGATION PLAN	SHEET No. IP-2 SHEET 13 OF 29
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COUNTY
FILE No. 968 J

1 2020-04-05 Addendum

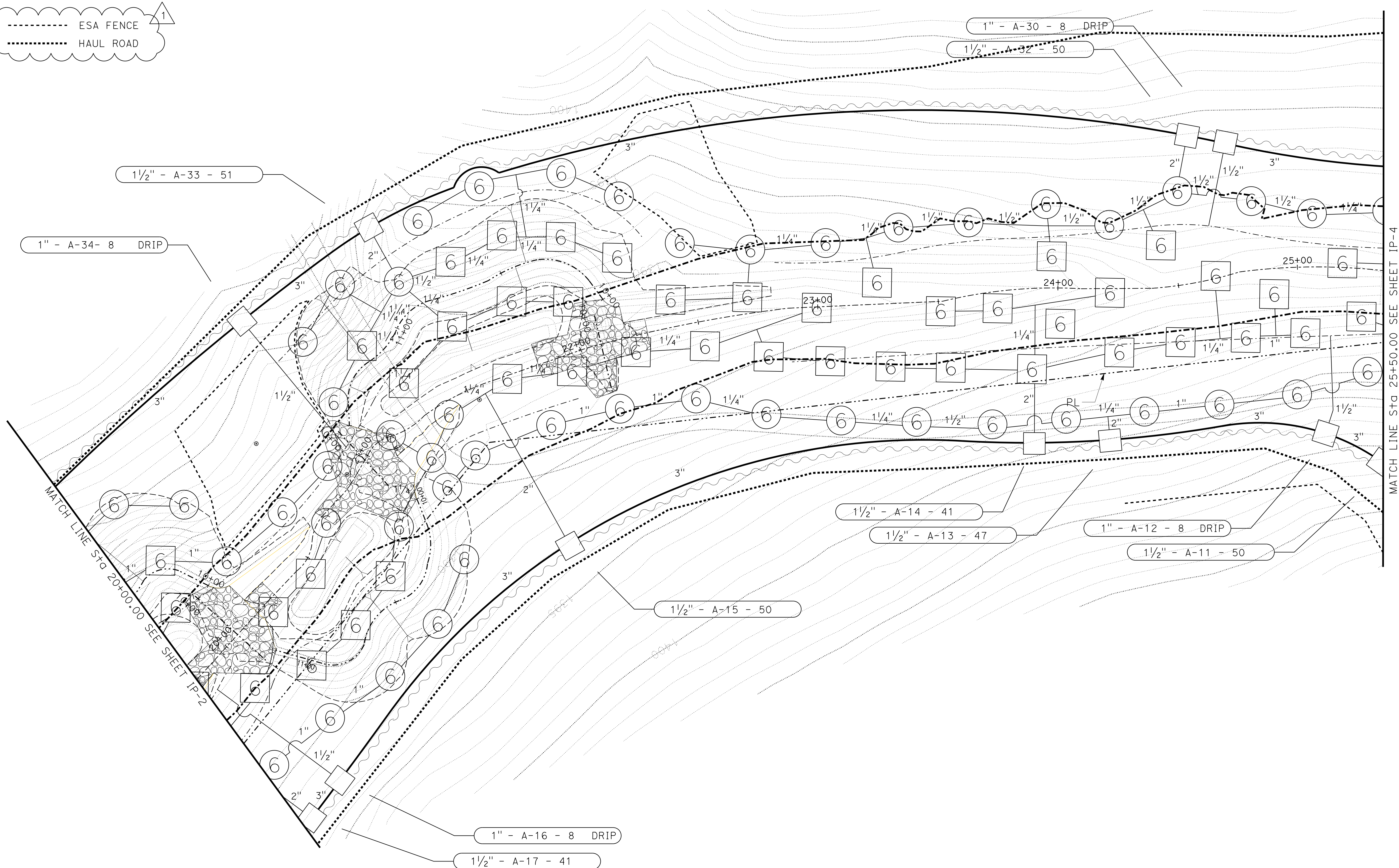
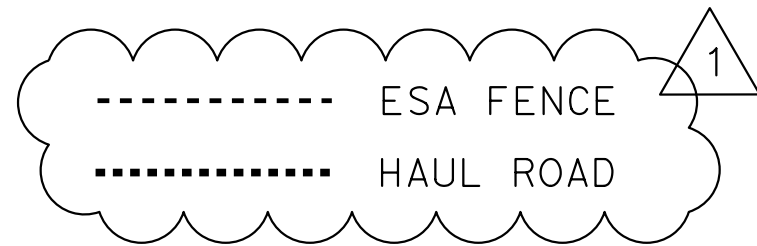
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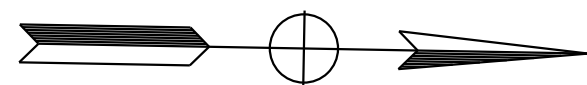
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1 2020-04-05 Addendum

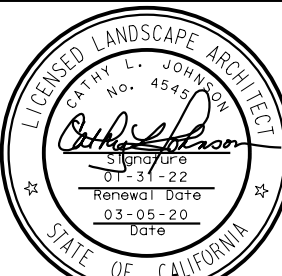


PLAN
1"=20'

BORDER LAST REVISED 07/21/2015

RELATIVE BORDER SCALE
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MICHAEL BAKER INTL PREPARED UNDER THE SUPERVISION OF:  CATHY L. JOHNSON LANDSCAPE ARCHITECT 3-5-20 DATE	IRRIGATION PLANS INTEGRATED MITIGATION BRIGGS ROAD IRRIGATION PLAN	SHEET No. IP - 3 SHEET 14 OF 29
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COUNTY
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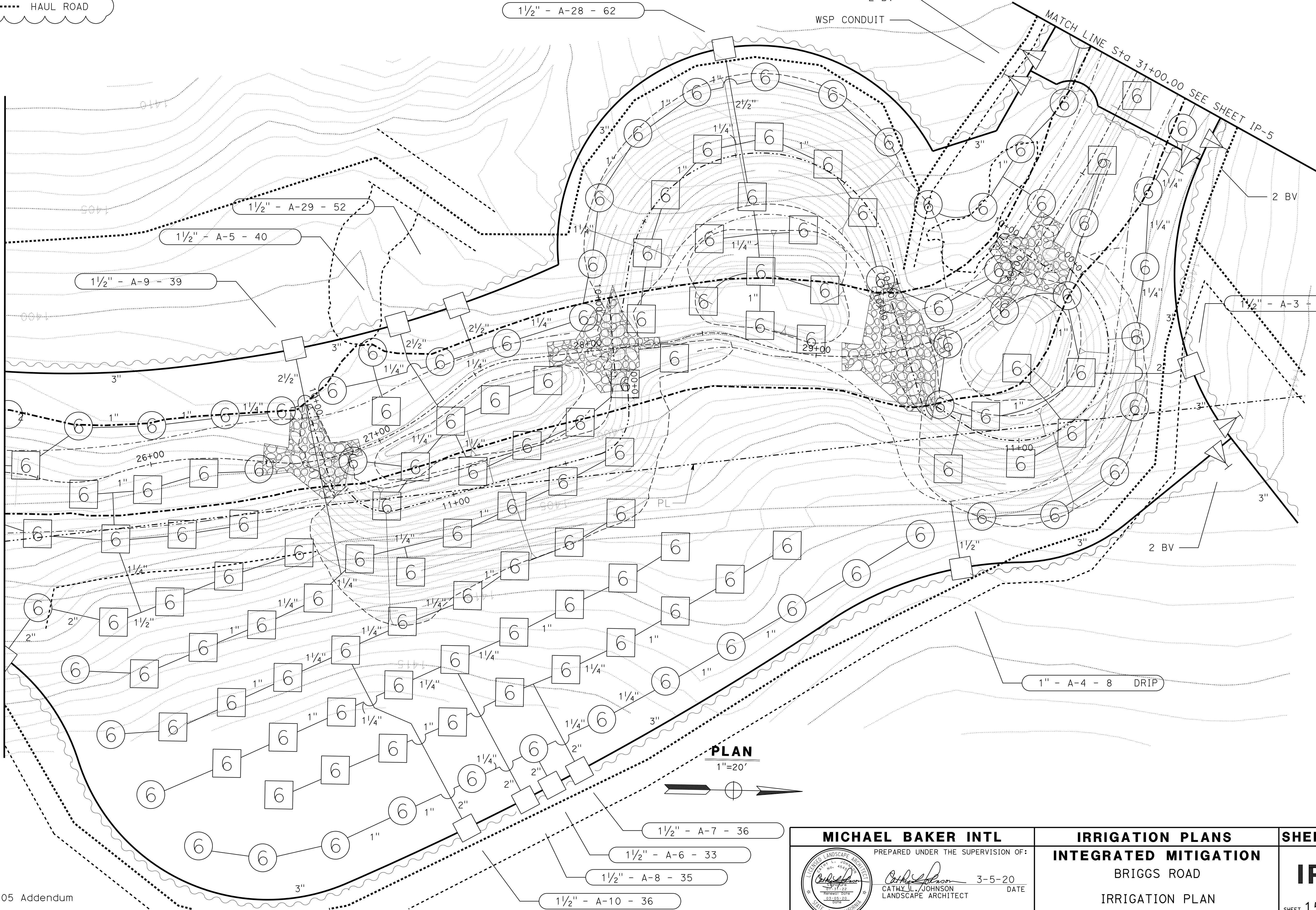
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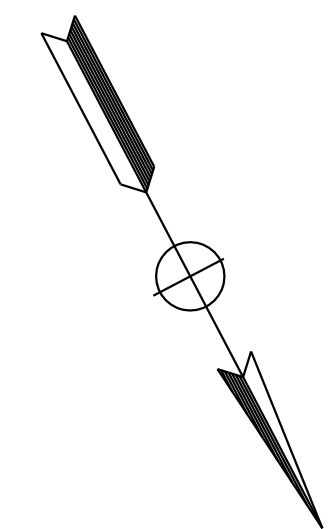
----- ESA FENCE
----- HAUL ROAD

MATCH LINE Sta 25+00.00 SEE SHEET IP-3




1

----- ESA FENCE
----- HAUL ROAD



PLAN
1"=20'

<div><div>MICHAEL BAKER INTL</div><div>PREPARED UNDER THE SUPERVISION OF:</div><div><div><div>Cathy L. Johnson LANDSCAPE ARCHITECT</div></div><div>3-5-20 DATE</div></div></div>	<div>IRRIGATION PLANS</div> <div>INTEGRATED MITIGATION</div> <div>BRIGGS ROAD</div> <div>IRRIGATION PLAN</div>	<div>SHEET No.</div> <div>IP - 5</div> <div>SHEET 16 OF 29</div>
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1 2020-04-05 Addendum

BORDER LAST REVISED 07/21/2015

RELATIVE BORDER SCALE IS IN INCHES



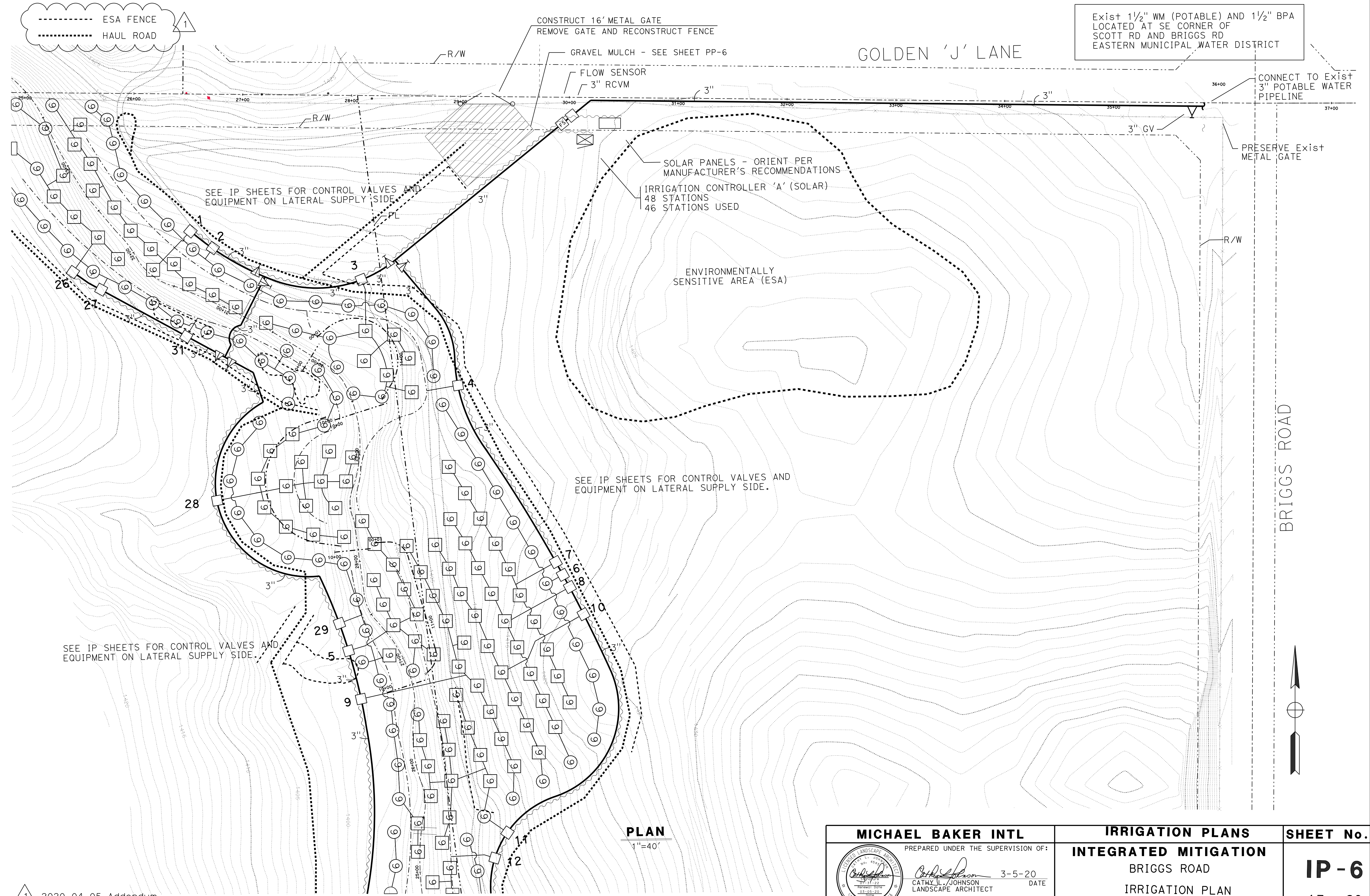
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COUNTY
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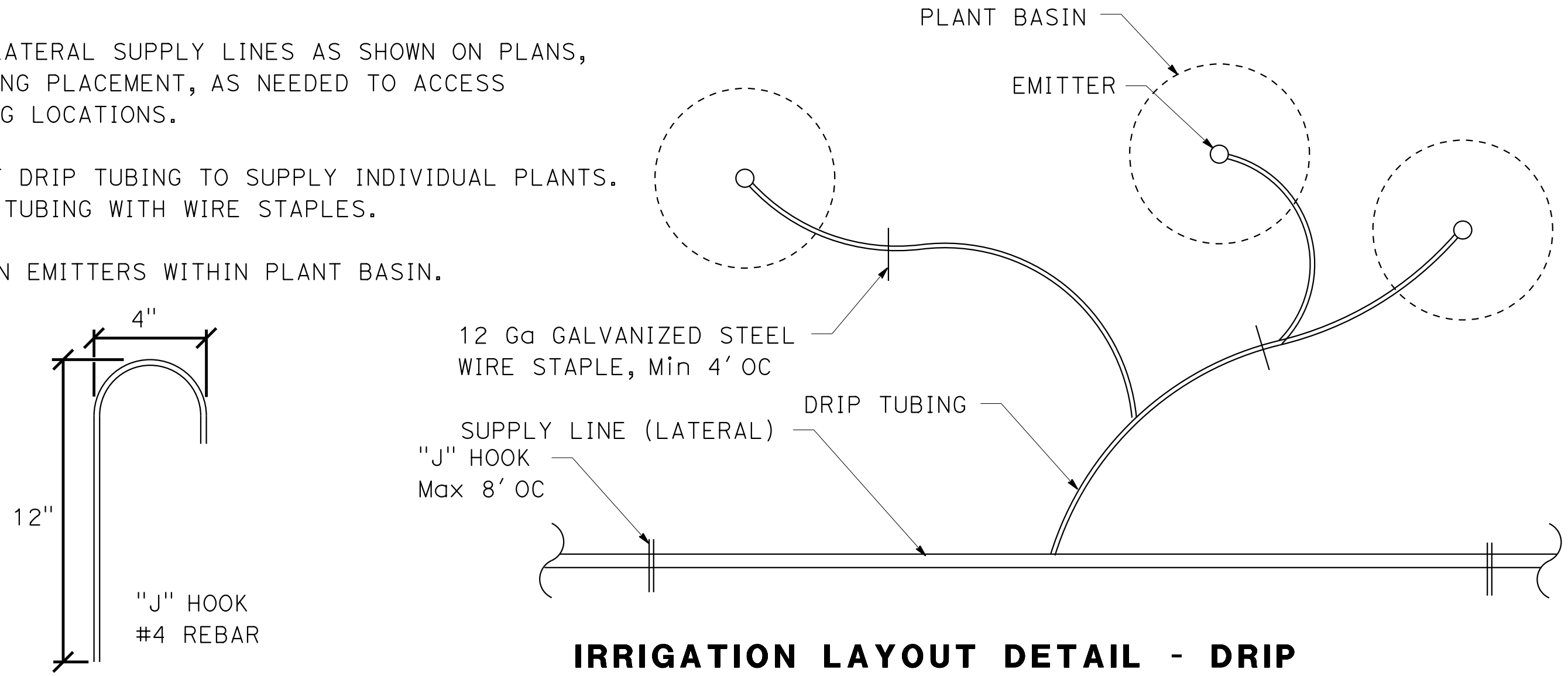
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LAST REVISION
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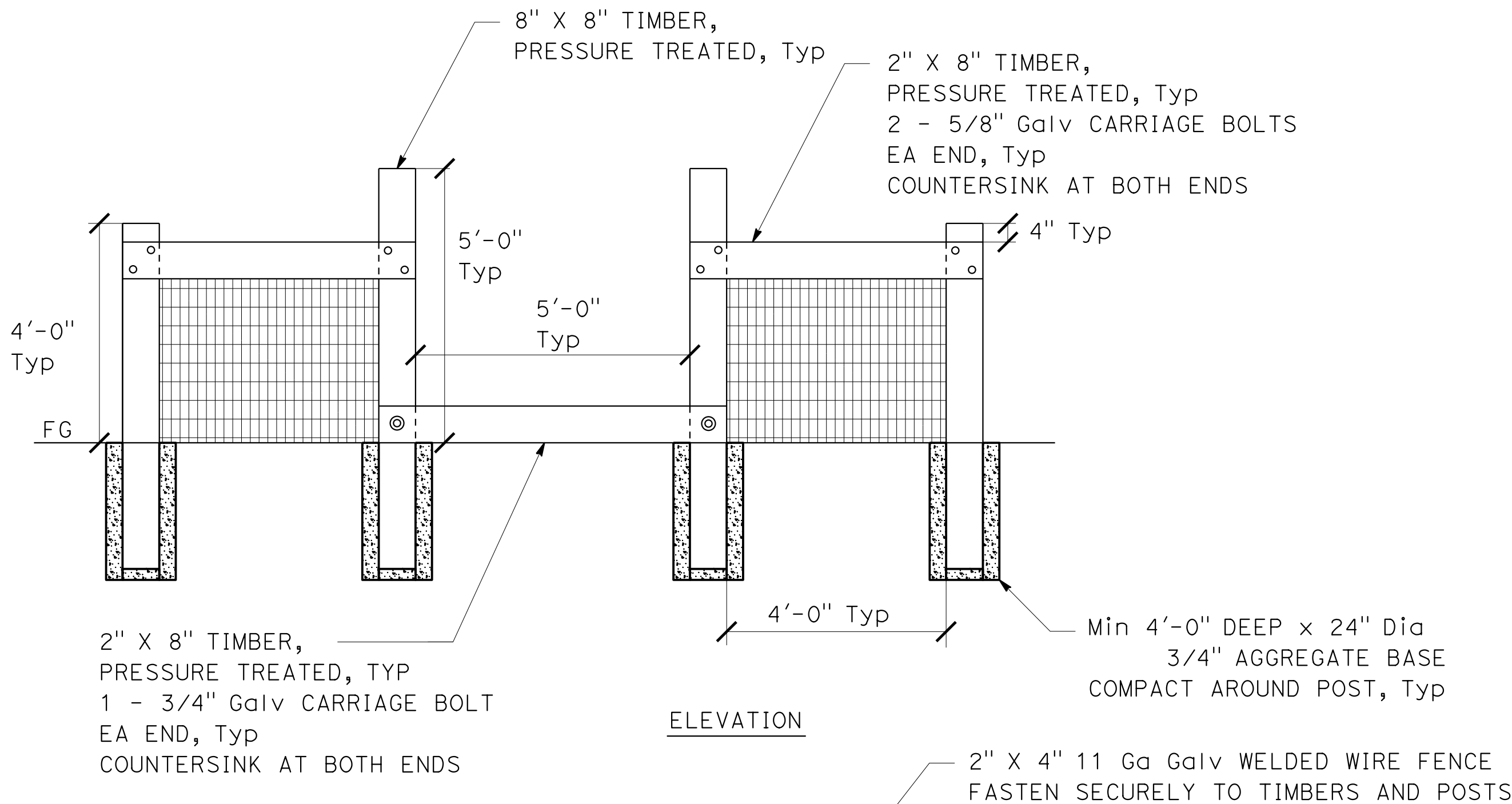


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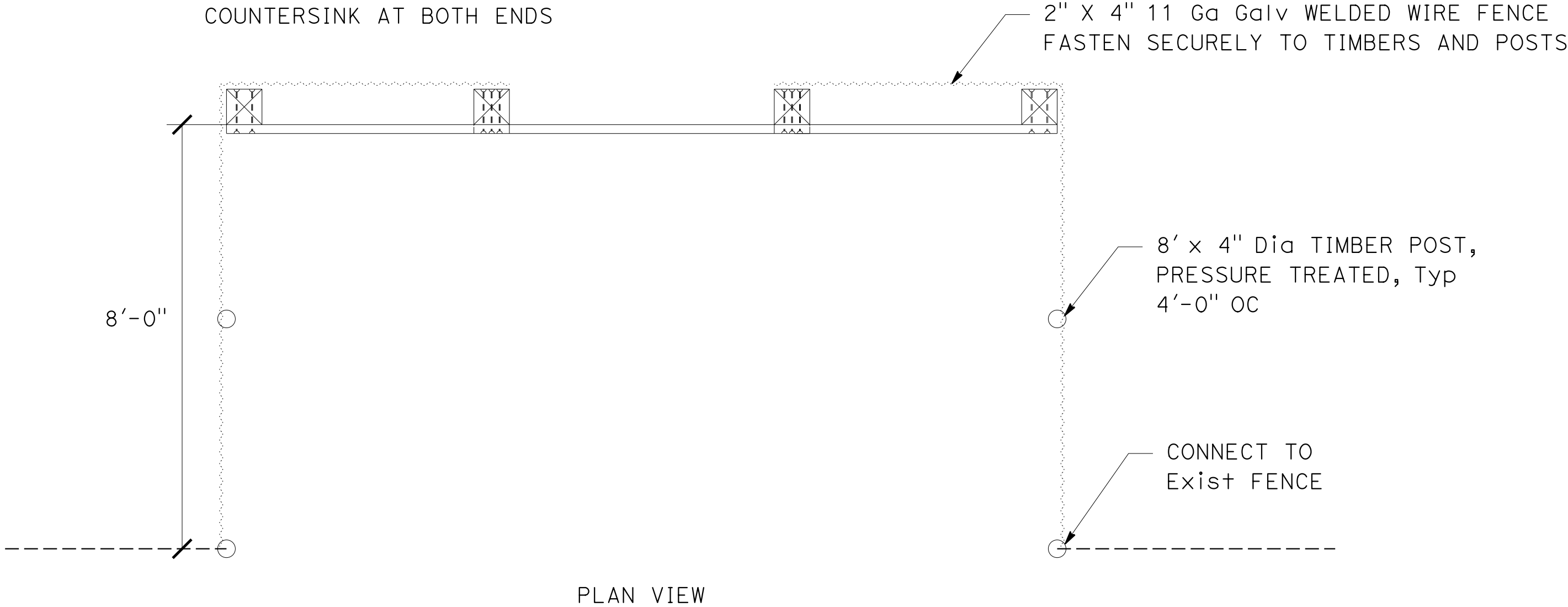
- 1. PLACE LATERAL SUPPLY LINES AS SHOWN ON PLANS, ADJUSTING PLACEMENT, AS NEEDED TO ACCESS PLANTING LOCATIONS.
- 2. CONNECT DRIP TUBING TO SUPPLY INDIVIDUAL PLANTS. SECURE TUBING WITH WIRE STAPLES.
- 3. POSITION EMITTERS WITHIN PLANT BASIN.



IRRIGATION LAYOUT DETAIL - DRIP

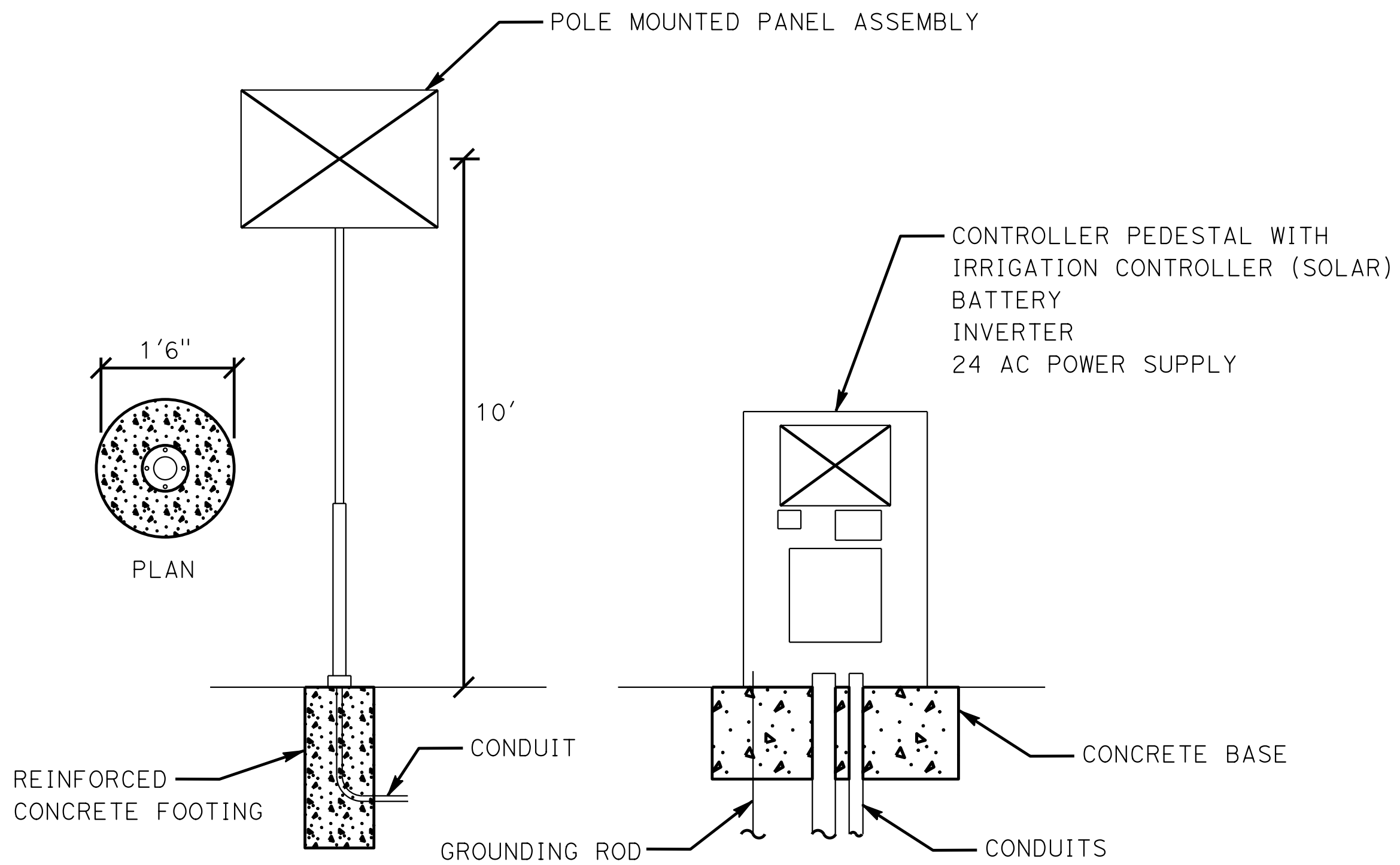


ELEVATION



PLAN VIEW

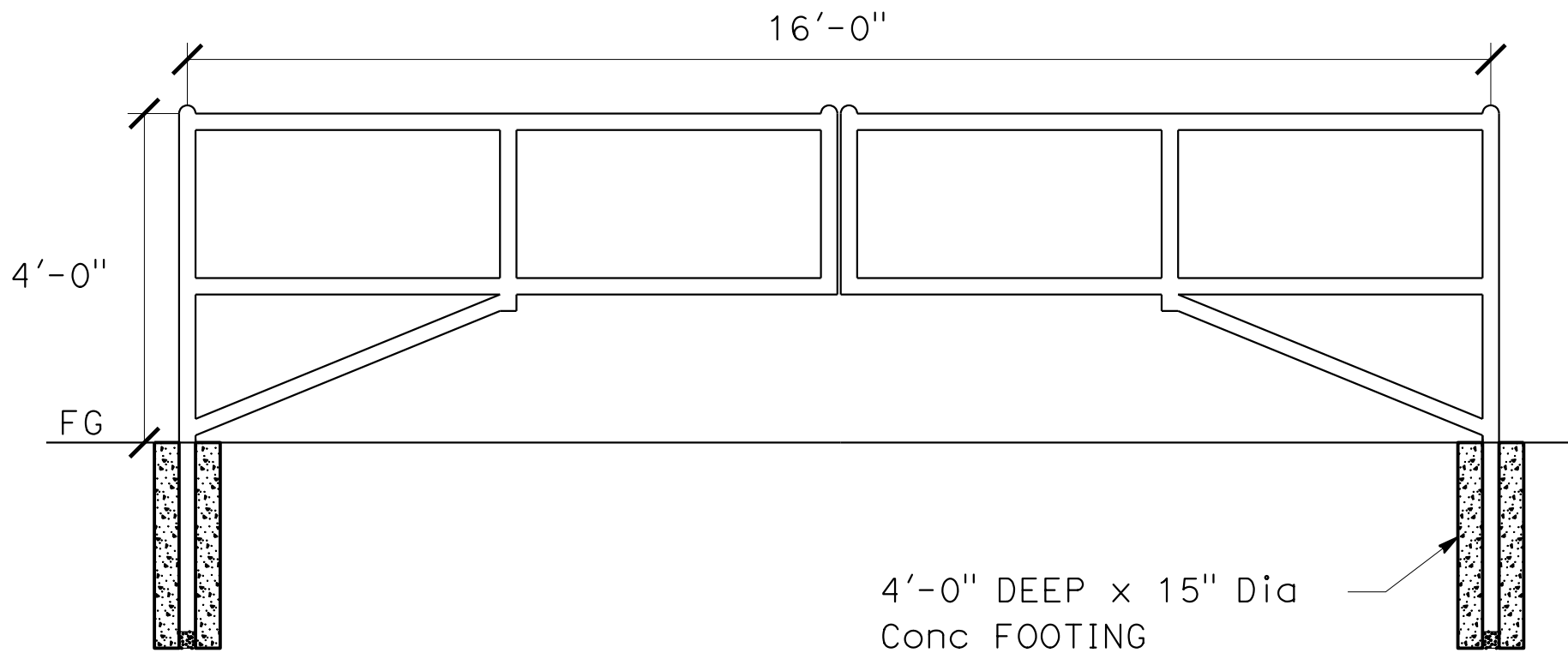
EQUESTRIAN ACCESS




IRRIGATION CONTROLLER (SOLAR)

NOTES:

- 1. GATE MUST BE GALVANIZED TUBULAR STEEL CONSTRUCTION.
- 2. GATE UNIT MUST INCLUDE 2 GATES WITH FITTINGS, HARDWARE, LATCHES, POSTS AND BRACES. COMBINED LENGTH OF GATE MUST BE AS SHOWN.
- 3. SEE STD. SPECIFICATIONS SECTION 80-10 FOR ADDITIONAL REQUIREMENTS FOR GATE MATERIALS AND CONSTRUCTION.



METAL GATE

MICHAEL BAKER INTL PREPARED UNDER THE SUPERVISION OF:  CATHY L. JOHNSON LANDSCAPE ARCHITECT 3-5-20 DATE	IRRIGATION PLANS INTEGRATED MITIGATION BRIGGS ROAD IRRIGATION DETAILS	SHEET No. ID-1 SHEET 18 OF 29
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1 2020-04-05 Addendum

SUBTOTALS PER VALVE ON LATERAL SUPPLY
SIDE OF CONTROL VALVE

DESCRIPTION		UNIT	SHEET NUMBER						SUBTOTALS
			IP-1	IP-2	IP-3	IP-4	IP-5	IP-6	
PLASTIC PIPE SUPPLY LINE SCHEDULE 40	2 1/2 INCH	LF	①	①	①	①	①	①	500
	2 INCH	LF	①	①	①	①	①	①	1,000
	1 1/2 INCH	LF	①	①	①	①	①	①	1,000
	1 1/4 INCH	LF	①	①	①	①	①	①	3,300
	1 INCH	LF	①	①	①	①	①	①	2,700
	3/4 INCH	LF	①	①	①	①	①	①	7,200
PLASTIC PIPE IRRIGATION LINE	3/4" TUBING	LF	①	①	①	①	①	①	3000
SPRINKLER TYPE	DRIP EMITTER	EA	①	①	①	①	①	①	1295
	GEAR DRIVEN	EA	①	①	①	①	①	①	540

① QUANTITY AS SHOWN ON PLANS

SUBTOTALS PER PLAN SHEET ON MAIN SUPPLY
SIDE OF CONTROL VALVE

DESCRIPTION		UNIT	SHEET NUMBER						SUBTOTALS
			IP-1	IP-2	IP-3	IP-4	IP-5	IP-6	
IRRIGATION CONTROLLER	SOLAR 48 STATION PEDESTAL	EA						1	1
		EA						1	1
VALVES AND ASSEMBLIES	RCV 3"	EA						1	1
	RCV 1 1/2"	EA	10	8	7	9	4		38
	RCV 1"	EA		2	4	1	1		8
	FS FLOW SENSOR	EA						1	1
	GV 3"	EA						1	1
	BV LINE SIZE	EA				6			6
PLASTIC PIPE SUPPLY LINE SCHEDULE 40	3 INCH	LF							5,300
WSP CONDUIT	6 INCH	LF	24				16		40
16' TUBULAR GATE		EA	2					1	3
REMOVE GATE		EA	2					1	3
REMOVE AND RECONSTRUCT EQUESTRIAN ACCESS		EA	1						1

TOTAL QUANTITIES

TOTALS	UNIT	DESCRIPTION	
1	EA	SOLAR 48 STATION PEDESTAL	IRRIGATION CONTROLLER
1	EA	RCV 3"	VALVES AND ASSEMBLIES
38	EA	RCV 1 1/2"	
8	EA	RCV 1"	
1	EA	FS FLOW SENSOR	
1	EA	GV 3"	PLASTIC PIPE SUPPLY LINE SCHEDULE 40
6	EA	BV LINE SIZE	
5,300	LF	3 INCH	
500	LF	2 1/2 INCH	
1,000	LF	2 INCH	
1,000	LF	1 1/2 INCH	
3,300	LF	1 1/4 INCH	
2,700	LF	1 INCH	
7,200	LF	3/4 INCH	
40	LF	6 INCH	WSP CONDUIT
3	EA	16' TUBULAR GATE	REMOVE AND RECONSTRUCT EQUESTRIAN ACCESS
3	EA	REMOVE GATE	
1	EA	REMOVE AND RECONSTRUCT EQUESTRIAN ACCESS	
3000	LF	3/4" TUBING	PLASTIC PIPE IRRIGATION LINE
1295	EA	DRIP EMITTER	SPRINKLER TYPE
540	EA	GEAR DRIVEN	

PLANT LIST AND PLANTING SPECIFICATIONS

SOUTHERN WILLOW SCRUB

BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY EACH	NOTES
JUNCUS MEXICANUS	MEXICAN RUSH	PLUG	200	①②⑤
MUHLENBERGIA RIGENS	DEERGRASS	PLUG	80	①②⑤
PLATANUS RACEMOSA	WESTERN SYCAMORE	5 GAL	15	①②⑤
BACCHARIS SALICIFOLIA	MULE FAT	1 GAL	100	①②⑤
POPULUS FREMONTII	FREMONT COTTONWOOD	1 GAL	20	①②⑤
ROSA CALIFORNICA	CALIFORNIA ROSE	1 GAL	50	①②⑤
RUBUS URSINUS	CALIFORNIA BLACKBERRY	1 GAL	50	①②⑤
SAMBUCUS NIGRA	BLUE ELDERBERRY	1 GAL	20	①②⑤
SALIX EXIGUA	SANDBAR WILLOW	CUTTING	60	①②
SALIX GOODDINGII	GOODDING’S WILLOW	CUTTING	40	①②
SALIX LAEVIGATA	RED WILLOW	CUTTING	200	①②
SALIX LASIOLEPIS	ARROYO WILLOW	CUTTING	40	①②

SYCAMORE RIPARIAN

BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY EACH	NOTES
BACCHARIS SALICIFOLIA	MULE FAT	1 GAL	20	①②⑤
MUHLENBERGIA RIGENS	DEERGRASS	PLUG	80	①②⑤
PLATANUS RACEMOSA	WESTERN SYCAMORE	5 GAL	50	①②③④⑤
POPULUS FREMONTII	FREMONT COTTONWOOD	1 GAL	10	①②⑤
SALIX LASIOLEPIS	ARROYO WILLOW	CUTTING	10	①②

EXISTING CREEK CHANNEL

BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY EACH	NOTES
JUNCUS MEXICANA	MEXICAN RUSH	PLUG	400	-
CYPERUS ERAGROSTIS	TALL FLATSEDGE	5 GAL	100	-
TYPHA LATIFOLIA	COMMON CATTAIL	1 GAL	25	-

APPLICABLE WHEN CIRCLED:

- ①- FOLIAGE PROTECTOR REQUIRED
②- IRRIGATION REQUIRED. SEE IRRIGATION PLANS
③- TREE STAKING REQUIRED
④- LOW BRANCHING FORM
⑤- WATERING BASIN TYPE I AND BASIN MULCH REQUIRED
0.25 CF PER PLUG OR 1 GAL, 0.5 CF PER 5 GAL, 1.0 CF PER 15 GAL

SEASONAL WETLAND

BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY EACH	NOTES
BACCHARIS SALICIFOLIA	MULE FAT	1 GAL	40	①②⑤
CYPERUS ERAGROSTIS	TALL FLATSEDGE	PLUG	400	-
DISTICHLIS SPICATA	SALTGRASS	PLUG	100	-
ELEOCHARIS MACROSTACHYA	COMMON SPIKERUSH	1 GAL	200	-
JUNCUS MEXICANA	MEXICAN RUSH	PLUG	25	-
SALIX LASIOLEPIS	ARROYO WILLOW	CUTTING	30	①②

LARGE SEASONAL WETLAND

BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY EACH	NOTES
CYPERUS ERAGROSTIS	TALL FLATSEDGE	PLUG	200	-
ELEOCHARIS MACROSTACHYA	COMMON SPIKERUSH	1 GAL	200	-
TYPHA LATIFOLIA	COMMON CATTAIL	1 GAL	20	-

COAST LIVE OAK WOODLAND

BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY EACH	NOTES
QUERCUS AGRIFOLIA	COAST LIVE OAK	15 GAL	60	①②③④⑤
BACCHARIS SAROTHRIDES	BROOM BACCHARIS	1 GAL	10	①②⑤

MIXED OAK WOODLAND

BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY EACH	NOTES
QUERCUS AGRIFOLIA	COAST LIVE OAK	15 GAL	30	①②③④⑤
QUERCUS BERBERIDIFOLIA	INLAND SCRUB OAK	15 GAL	60	①②③④⑤
QUERCUS DUMOSA	COASTAL SAGE SCRUB OAK	15 GAL	20	①②③④⑤
QUERCUS ENGLEMANNII	ENGLEMANN OAK	15 GAL	20	①②③④⑤

NOTES:

ACTUAL PLANTING LOCATIONS AND SPACING WILL BE AS DIRECTED BY THE PROJECT BIOLOGIST

NOTES:

1. REMOVE EXISTING NON-NATIVE PLANTS INCLUDING:

TREES (APPROXIMATELY 280, WITH A COMBINED DIAMETER AT BREAST HEIGHT (DBH) OF 1250 INCHES)
EUCALYPTUS SP. (EUCALYPTUS)
TAMARIX SP. (SALT CEDAR)
AILANTHUS ALTISSIMA (TREE OF HEAVEN)

ANNUAL AND PERENNIAL WEEDS (IN DESIGNATED AREAS)
CENTAUREA MELITENSIS (TOCALOTE)
CIRSIIUM VULGARE (BULL THISTLE)
HIERSHFELDIA INCANA (SUMMER MUSTARD)
SALSOLA TRAGUS (RUSSIAN TUMBLEWEED)

2. DISPOSE OF REMOVED PLANTS. DISPOSE OF REMOVED ANNUAL AND PERENNIAL WEEDS THE SAME DAY THEY ARE PULLED.

3. USE OF GAS-POWERED STUMP GRINDERS WILL BE ALLOWED. MODELS SHALL BE WALK-BEHIND OR SELF-PROPELLED TYPE WITH RUBBER TRACKS OR TIRES.

4. REMOVE AND DISPOSE OF TRASH AND DEBRIS, INCLUDING FALLEN TREES AND BRANCHES. ALLOW STANDING DEAD TREES TO REMAIN, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

5. FOLIAGE PROTECTOR MUST BE:


FABRICATED FROM LIGHTWEIGHT, RIGID, TRANSLUCENT PLASTIC, SUCH AS UV STABILIZED POLYPROPYLENE, TUBULAR IN SHAPE, 30-36" IN HEIGHT, AND WITH AN AVERAGE DIAMETER OF 4" (RANGING NOT LESS THAN 3 1/4" OR GREATER THAN 4 3/4"). TOP EDGES MUST BE FLARED OR OTHERWISE MODIFIED TO PREVENT ABRADING OR CHAFFING OF PLANT TISSUES. VENTED TO ALLOW AIR CIRCULATION. MANUFACTURED WITH A LINE OF PERFORATIONS THAT WILL ALLOW FOR EASY REMOVAL OR THAT WILL SPLIT AS TREES GROW. SECURE, RELEASABLE TIES IN SUFFICIENT QUANTITY AND DURABILITY FOR USE TO FASTEN STAKES.

6. SUPPORT STAKES FOR FOLIAGE PROTECTORS MUST BE:

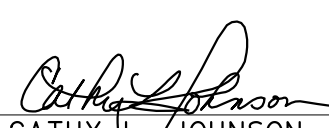
1 1/8" X 7/8" X 5’ IN LENGTH, HARDWOOD, SUCH AS OAK, AND POINTED AT ONE END. SUPPLIED AT 1 STAKE PER FOLIAGE PROTECTOR.

1 2020-04-05 Addendum

MICHAEL BAKER INTL



PREPARED UNDER THE SUPERVISION OF:


CATHY L. JOHNSON
LANDSCAPE ARCHITECT

3-5-20
DATE

LANDSCAPE PLANS

INTEGRATED MITIGATION

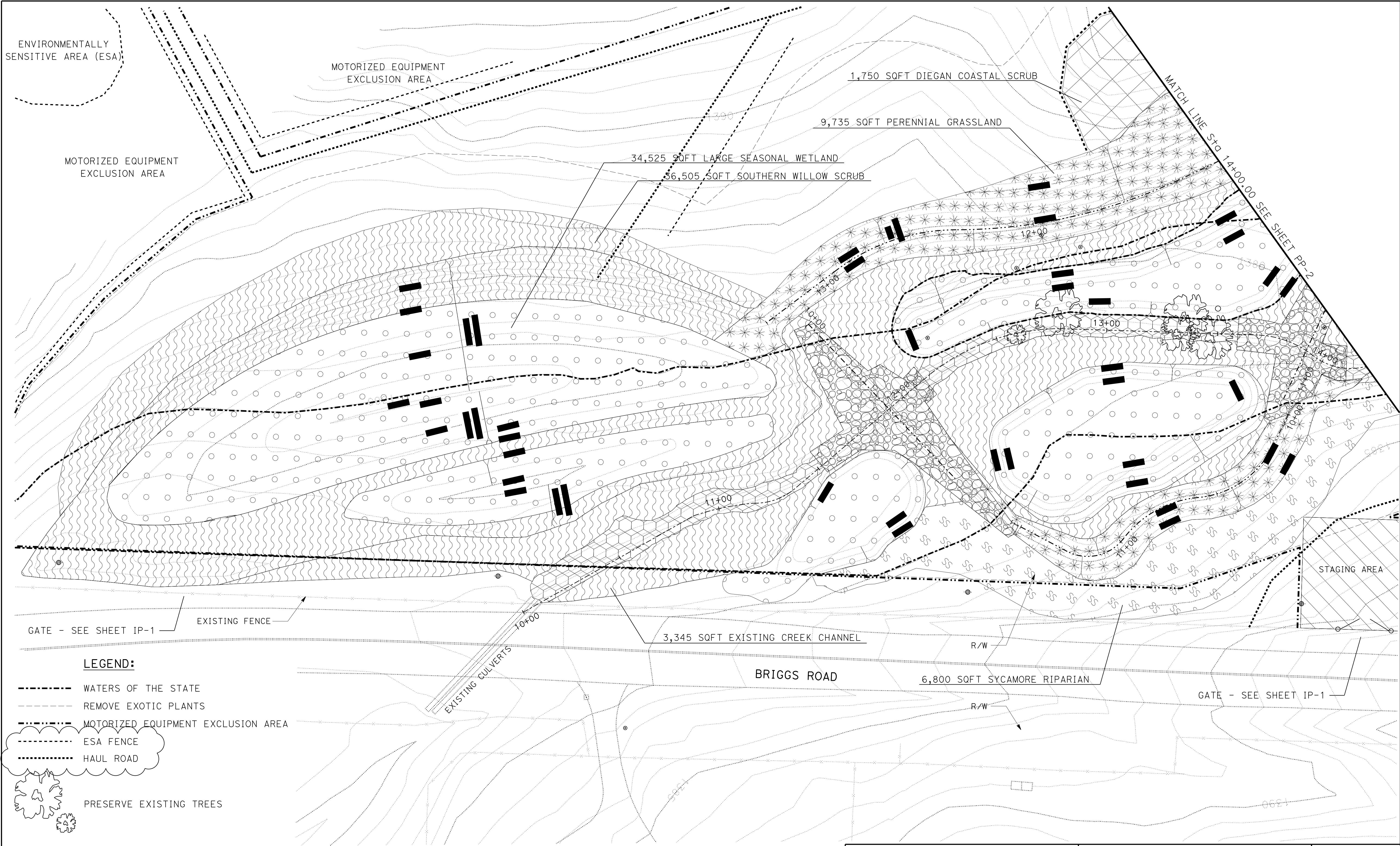
BRIGGS ROAD

PLANT LIST

SHEET No.

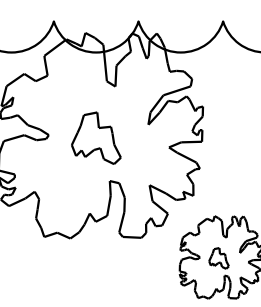
PL - 1

SHEET 21 OF 29



LEGEND:

- WATERS OF THE STATE
- REMOVE EXOTIC PLANTS
- MOTORIZED EQUIPMENT EXCLUSION AREA
- ESA FENCE
- HAUL ROAD

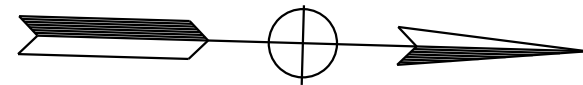


PRESERVE EXISTING TREES

NOTES:

- HATCHED AREAS INDICATE HABITAT TYPE - SEE PLANT LIST AND PLANTING AND EROSION CONTROL DETAILS.
- ANGLE OF HATCHING SHOWN WILL VARY.
- QUANTITIES REPRESENT HABITAT AREAS PER SHEET.

1 2020-04-05 Addendum

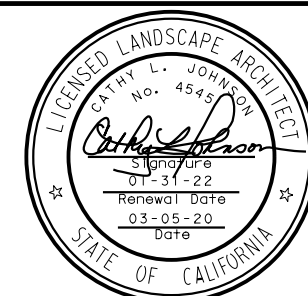


PLAN

1"=20'

MICHAEL BAKER INTL

PREPARED UNDER THE SUPERVISION OF:



Cathy L. Johnson
LANDSCAPE ARCHITECT
3-5-20
DATE

LANDSCAPE PLANS

INTEGRATED MITIGATION

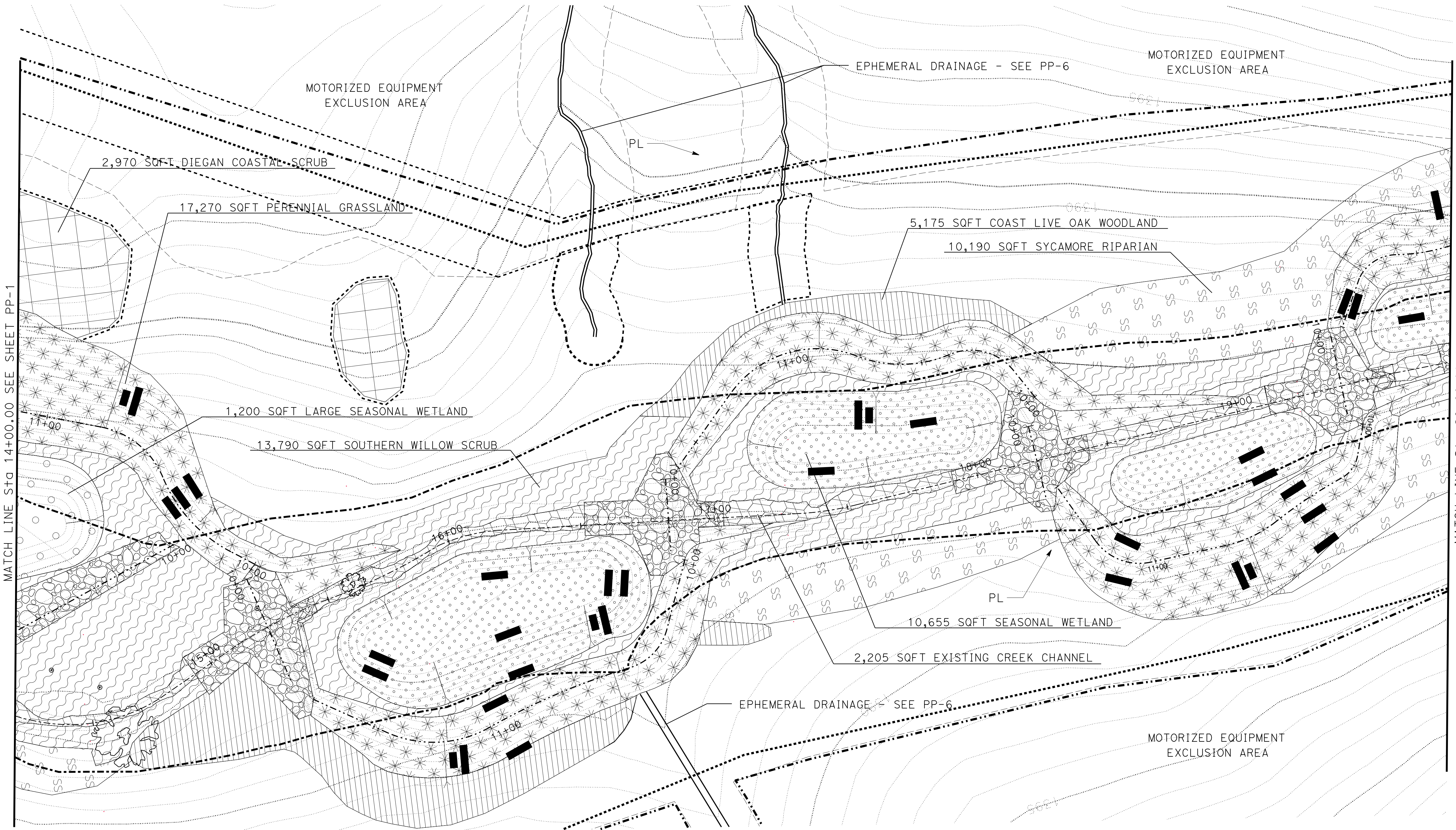
BRIGGS ROAD

PLANTING PLAN

SHEET No.

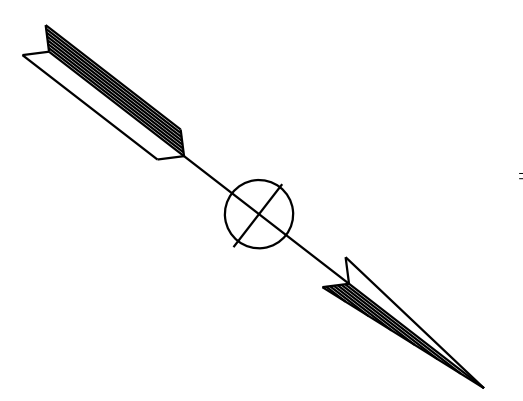
PP-1

SHEET 22 OF 29



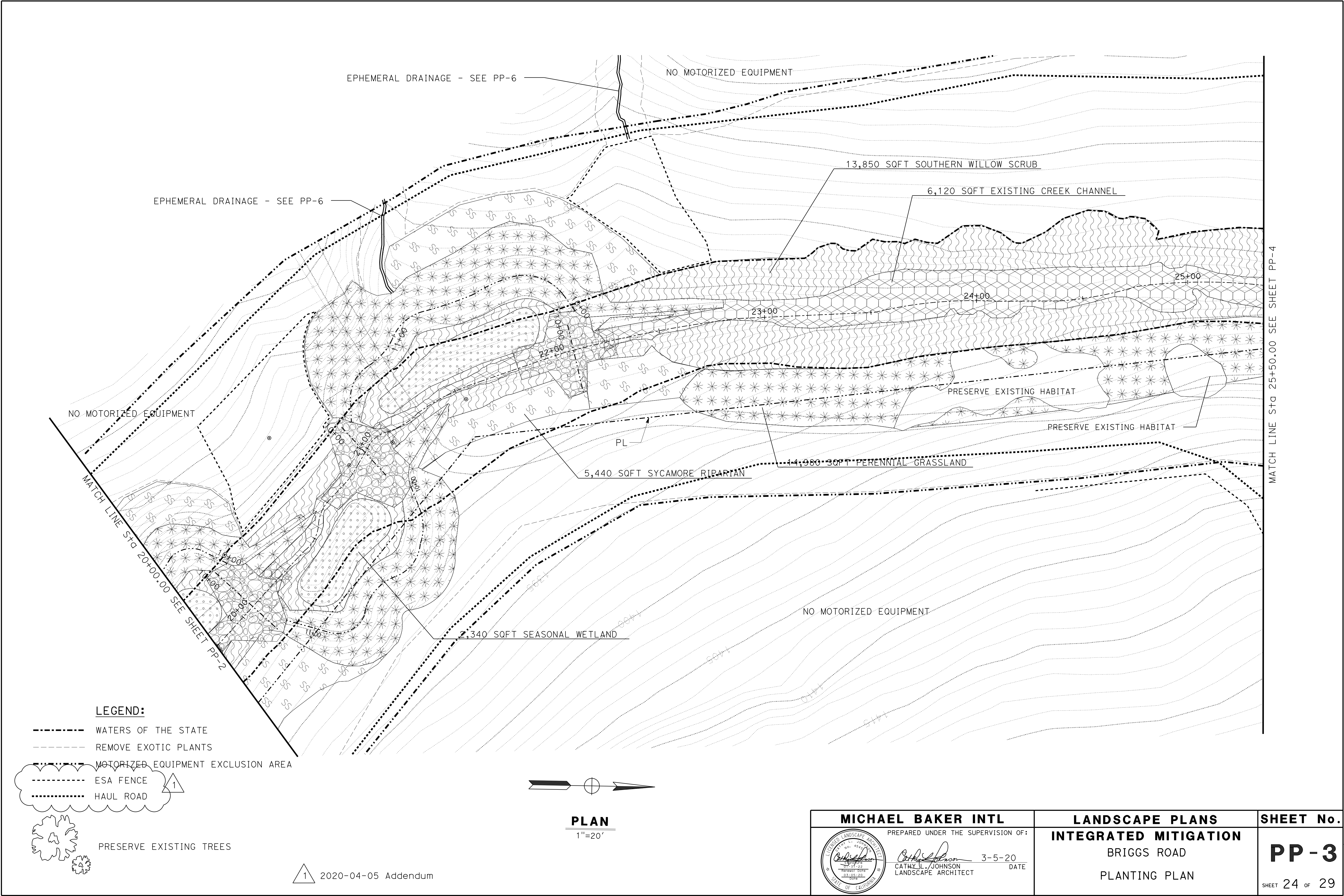
LEGEND:

- WATERS OF THE STATE
- - - REMOVE EXOTIC PLANTS
- . - . - . MOTORIZED EQUIPMENT EXCLUSION AREA
- - - - - ESA FENCE
- PRESERVE EXISTING TREES
- 1 2020-04-05 Addendum
- ESA FENCE
- HAUL ROAD



PLAN
1"=20'

MICHAEL BAKER INTL PREPARED UNDER THE SUPERVISION OF: CATHY L. JOHNSON LANDSCAPE ARCHITECT 3-5-20 DATE	LANDSCAPE PLANS INTEGRATED MITIGATION BRIGGS ROAD PLANTING PLAN	SHEET No. PP-2 SHEET 23 OF 29
--	--	---



MICHAEL BAKER INTL PREPARED UNDER THE SUPERVISION OF: CATHY L. JOHNSON LANDSCAPE ARCHITECT	LANDSCAPE PLANS INTEGRATED MITIGATION BRIGGS ROAD PLANTING PLAN	SHEET No. PP - 3 SHEET 24 OF 29
--	--	---

LEGEND:

- WATERS OF THE STATE
- REMOVE EXOTIC PLANTS
- MOTORIZED EQUIPMENT EXCLUSION AREA
- ESA FENCE
- HAUL ROAD

PRESERVE EXISTING TREES

MOTORIZED EQUIPMENT EXCLUSION AREA

EPHEMERAL DRAINAGE - SEE PP-6

MOTORIZED EQUIPMENT EXCLUSION AREA

9,925 SQFT SOUTHERN WILLOW SCRUB

3,925 SQFT EXISTING CREEK CHANNEL

3,425 SQFT COAST LIVE OAK WOODLAND

PRESERVE EXISTING HABITAT

5,495 SQFT SEASONAL WETLAND

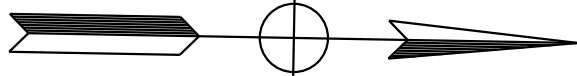
23,210 SQFT PERENNIAL GRASSLAND

28,795 SQFT DIEGAN COASTAL SCRUB

MOTORIZED EQUIPMENT EXCLUSION AREA

MATCH LINE Sta 25+50.00 SEE SHEET PP-3

MATCH LINE Sta 31+00.00 SEE SHEET PP-5



PLAN

1"=20'

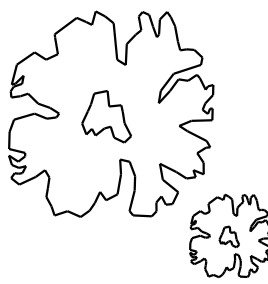
1 2020-04-05 Addendum

MICHAEL BAKER INTL		LANDSCAPE PLANS	SHEET No.
PREPARED UNDER THE SUPERVISION OF:		INTEGRATED MITIGATION	
CATHY L. JOHNSON		BRIGGS ROAD	PP - 4
LANDSCAPE ARCHITECT		PLANTING PLAN	
3-5-20			SHEET 25 OF 29
DATE			

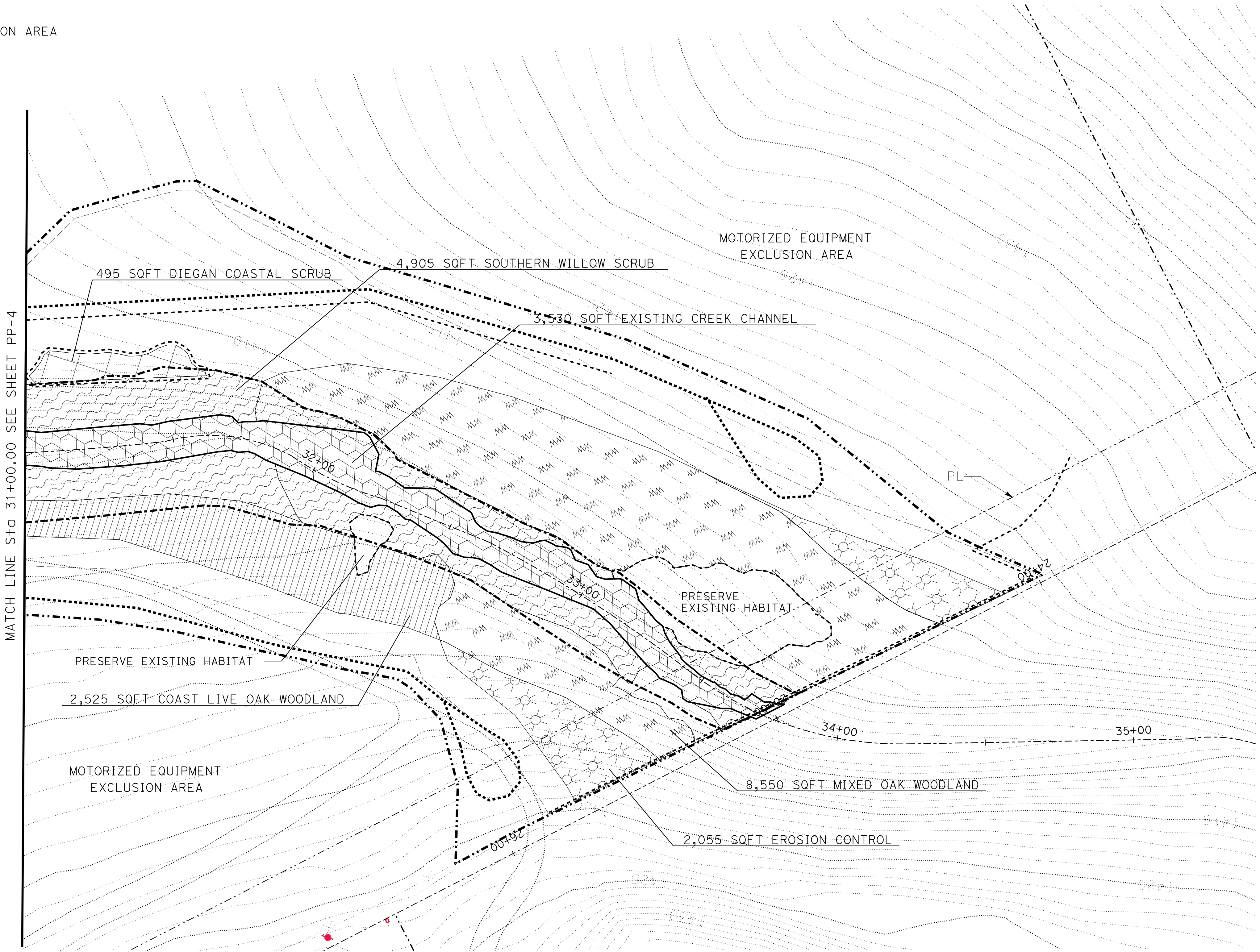
LEGEND:

----- WATERS OF THE STATE
----- REMOVE EXOTIC PLANTS
----- MOTORIZED EQUIPMENT EXCLUSION AREA

----- ESA FENCE
----- HAUL ROAD




PRESERVE EXISTING TREES



PLAN
1"=20'

1 2020-04-05 Addendum

MICHAEL BAKER INTL	LANDSCAPE PLANS	SHEET No.
PREPARED UNDER THE SUPERVISION OF:	INTEGRATED MITIGATION	
 CATHY L. JOHNSON LANDSCAPE ARCHITECT	BRIGGS ROAD	PP-5
3-5-20 DATE	PLANTING PLAN	SHEET 26 OF 29

21,100 SQFT EPHEMERAL DRAINAGE
EROSION CONTROL TYPE 1

LEGEND:

- WATERS OF THE STATE
- REMOVE EXOTIC PLANTS
- MOTORIZED EQUIPMENT EXCLUSION AREA
- ESA FENCE - CONSTRUCT AT ESA AND PRESERVE EXISTING HABITAT AREAS
- HAUL ROAD

NOTES:

1. AVERAGE WIDTH OF EPHEMERAL DRAINAGES ASSUMED AT 10 FT.
2. REMOVE GRAVEL MULCH AND FILTER FABRIC PRIOR TO BEGINNING PLANT ESTABLISHMENT WORK.

4,100 SQFT EPHEMERAL DRAINAGE
EROSION CONTROL TYPE 1

5,450 SQFT EPHEMERAL DRAINAGE
EROSION CONTROL TYPE 1

2,750 SQFT EPHEMERAL DRAINAGE
EROSION CONTROL TYPE 1

MOTORIZED EQUIPMENT
EXCLUSION AREA

4,300 SQFT EPHEMERAL DRAINAGE
EROSION CONTROL TYPE 1

MOTORIZED EQUIPMENT
EXCLUSION AREA

MOTORIZED EQUIPMENT
EXCLUSION AREA

5,900 SQFT EPHEMERAL DRAINAGE
EROSION CONTROL TYPE 1

GATES - SEE SHEET IP-6
4,300 SQFT GRAVEL MULCH
479 SQYD FILTER FABRIC
REMOVE GRAVEL MULCH AND
FILTER FABRIC (SEE NOTE)
4,300 SQFT EROSION CONTROL TYPE 1

4,150 SQFT EPHEMERAL DRAINAGE
EROSION CONTROL TYPE 1

18,500 SQFT GRAVEL MULCH
2,056 SQYD FILTER FABRIC
REMOVE GRAVEL MULCH AND
FILTER FABRIC (SEE NOTE)
18,500 SQFT EROSION CONTROL TYPE 1

STAGING AREA

BRIGGS ROAD

GATE - SEE SHEET IP-6

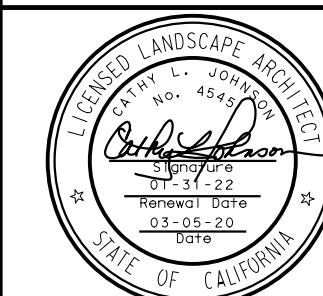
GATE - SEE SHEET IP-6

PLAN

1"=80'

MICHAEL BAKER INTL

PREPARED UNDER THE SUPERVISION OF:



CATHY L. JOHNSON
LANDSCAPE ARCHITECT

3-5-20
DATE

LANDSCAPE PLANS

INTEGRATED MITIGATION

BRIGGS ROAD

PLANTING PLAN

SHEET No.

PP-6

SHEET 27 OF 29

1 2020-04-05 Addendum

BORDER LAST REVISED 07/21/2015

RELATIVE BORDER SCALE
IS IN INCHES

0 1 2 3

USERNAME => CATHYJ
DGN FILE => A1-3250-su-PP-6_MERGED.dgn

WO XX-XXXX

COUNTY
FILE No.

968 J

ATTACHMENT "B" TO ADDENDUM NO. 1

DATE PLOTTED => 08-APR-2020
TIME PLOTTED => 22:11
LAST REVISION
00-00-00

EROSION CONTROL TYPE 1 - EROSION CONTROL

SEQUENCE	ITEM	MATERIAL	MATERIAL TYPE	APPLICATION RATE
STEP 1	HYDROSEED	SEED	MIX 1	33.0 LB/ACRE
		FIBER	WOOD	800 LB/ACRE
STEP 2	HYDROMULCH (N)	FIBER	WOOD	1200 LB/ACRE
		TACKIFIER	PLANT BASED	120 LB/ACRE

EROSION CONTROL TYPE 2 - SOUTHERN WILLOW SCRUB

SEQUENCE	ITEM	MATERIAL	MATERIAL TYPE	APPLICATION RATE
STEP 1	HYDROSEED	SEED	MIX 2	2.25 LB/ACRE
		FIBER	WOOD	800 LB/ACRE
STEP 2	HYDROMULCH (N)	FIBER	WOOD	1200 LB/ACRE
		TACKIFIER	PLANT BASED	100 LB/ACRE

EROSION CONTROL TYPE 3 - SYCAMORE RIPARIAN

SEQUENCE	ITEM	MATERIAL	MATERIAL TYPE	APPLICATION RATE
STEP 1	HYDROSEED	SEED	MIX 3	5.0 LB/ACRE
		FIBER	WOOD	800 LB/ACRE
STEP 2	HYDROMULCH (N)	FIBER	WOOD	1200 LB/ACRE
		TACKIFIER	PLANT BASED	100 LB/ACRE

EROSION CONTROL TYPE 4 - EXISTING CREEK CHANNEL

SEQUENCE	ITEM	MATERIAL	MATERIAL TYPE	APPLICATION RATE
STEP 1	HYDROSEED	SEED	MIX 4	6.0 LB/ACRE
		FIBER	WOOD	800 LB/ACRE
STEP 2	HYDROMULCH (N)	FIBER	WOOD	1200 LB/ACRE
		TACKIFIER	PLANT BASED	100 LB/ACRE

EROSION CONTROL TYPE 5 - CREATED CHANNEL/ PERENNIAL GRASSLAND

SEQUENCE	ITEM	MATERIAL	MATERIAL TYPE	APPLICATION RATE
STEP 1	HYDROSEED	SEED	MIX 5	10.0 LB/ACRE
		FIBER	WOOD	800 LB/ACRE
STEP 2	HYDROMULCH (N)	FIBER	WOOD	1200 LB/ACRE
		TACKIFIER	PLANT BASED	100 LB/ACRE

(N) not a separate bid item

NOTE:
SEE EROSION CONTROL DETAILS FOR CORRESPONDING SEED MIXES

EROSION CONTROL QUANTITIES PER PLAN SHEET

DESCRIPTION	UNIT	SHEET NUMBER						TOTALS	UNIT	DESCRIPTION
		PP-1	PP-2	PP-3	PP-4	PP-5	PP-6			
HYDROSEED (TYPE 1)	SQFT	-	-	-	-	2,055	70,550	72,605	SQFT	HYDROSEED (TYPE 1)
HYDROSEED (TYPE 2)	SQFT	36,505	13,790	13,850	9,925	4,905	-	78,975	SQFT	HYDROSEED (TYPE 2)
HYDROSEED (TYPE 3)	SQFT	6,800	10,190	5,440	-	-	-	22,430	SQFT	HYDROSEED (TYPE 3)
HYDROSEED (TYPE 4)	SQFT	3,345	2,205	6,120	3,925	3,530	-	19,185	SQFT	HYDROSEED (TYPE 4)
HYDROSEED (TYPE 5)	SQFT	9,735	17,270	14,980	23,210	-	-	65,305	SQFT	HYDROSEED (TYPE 5)
HYDROSEED (TYPE 6)	SQFT	-	10,655	2,340	5,495	-	-	19,490	SQFT	HYDROSEED (TYPE 6)
HYDROSEED (TYPE 7)	SQFT	34,525	1,200	-	-	-	-	35,725	SQFT	HYDROSEED (TYPE 7)
HYDROSEED (TYPE 8)	SQFT	-	5,175	-	3,425	2,525	-	11,125	SQFT	HYDROSEED (TYPE 8)
HYDROSEED (TYPE 9)	SQFT	-	-	-	-	8,550	-	8,550	SQFT	HYDROSEED (TYPE 9)
DRY SEED (TYPE 10)	SQFT	1,750	2,970	-	28,795	495	-	34,910	SQFT	DRY SEED (TYPE 10)

EROSION CONTROL TYPE 6 - SEASONAL WETLAND

SEQUENCE	ITEM	MATERIAL	MATERIAL TYPE	APPLICATION RATE
STEP 1	HYDROSEED	SEED	MIX 6	15.5 LB/ACRE
		FIBER	WOOD	800 LB/ACRE
STEP 2	HYDROMULCH (N)	FIBER	WOOD	1200 LB/ACRE
		TACKIFIER	PLANT BASED	100 LB/ACRE

EROSION CONTROL TYPE 7 - LARGE SEASONAL WETLAND

SEQUENCE	ITEM	MATERIAL	MATERIAL TYPE	APPLICATION RATE
STEP 1	HYDROSEED	SEED	MIX 7	18.25 LB/ACRE
		FIBER	WOOD	800 LB/ACRE
STEP 2	HYDROMULCH (N)	FIBER	WOOD	1200 LB/ACRE
		TACKIFIER	PLANT BASED	100 LB/ACRE

EROSION CONTROL TYPE 8 - COAST LIVE OAK WOODLAND

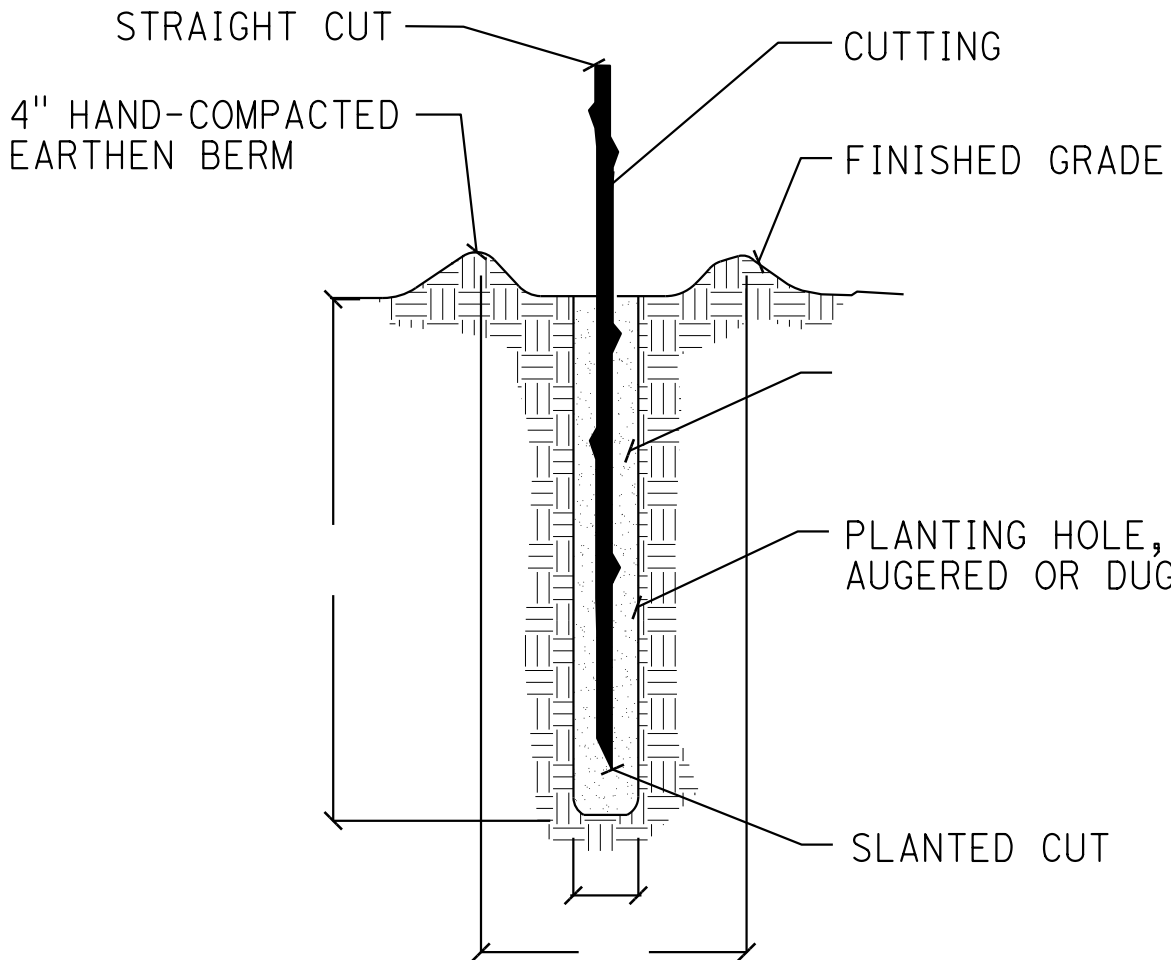
SEQUENCE	ITEM	MATERIAL	MATERIAL TYPE	APPLICATION RATE
STEP 1	HYDROSEED	SEED	MIX 8	7.0 LB/ACRE
		FIBER	WOOD	800 LB/ACRE
STEP 2	HYDROMULCH (N)	FIBER	WOOD	1200 LB/ACRE
		TACKIFIER	PLANT BASED	100 LB/ACRE

EROSION CONTROL TYPE 9 - MIXED OAK WOODLAND

SEQUENCE	ITEM	MATERIAL	MATERIAL TYPE	APPLICATION RATE
STEP 1	HYDROSEED	SEED	MIX 9	7.0 LB/ACRE
		FIBER	WOOD	800 LB/ACRE
STEP 2	HYDROMULCH (N)	FIBER	WOOD	1200 LB/ACRE
		TACKIFIER	PLANT BASED	100 LB/ACRE

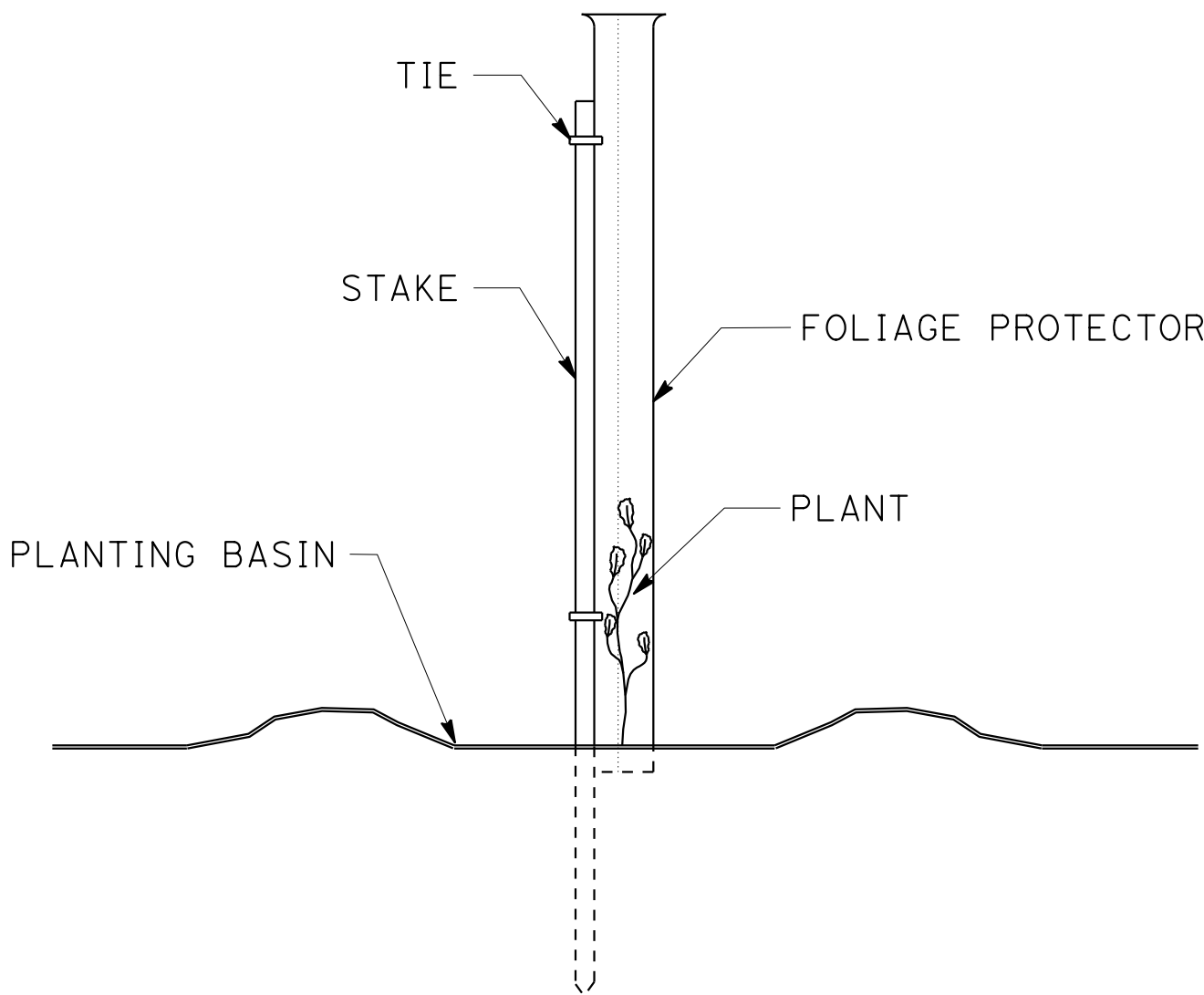
EROSION CONTROL TYPE 10 - DIEGAN COASTAL SCRUB

SEQUENCE	ITEM	MATERIAL	MATERIAL TYPE	APPLICATION RATE
STEP 1	DRY SEED	SEED	MIX 10	5.0 LB/ACRE



NOTES:
BURY CUTTING Min 16\"/>

A CUTTING PLANTING



B FOLIAGE PROTECTOR INSTALLATION

PLANTING QUANTITIES

DESCRIPTION	MATERIAL	UNIT	TOTAL
GRAVEL MULCH	CLASS 2 AB	CY	420
	FILTER FABRIC	SQYD	2,535
FOLIAGE PROTECTOR	SEE SHEET PL-1	EA	1,195
Basin Mulch	WOOD MULCH	CY	14
16' METAL GATE	SEE SHEET ID-1	EA	3

1 SEE IQ-1

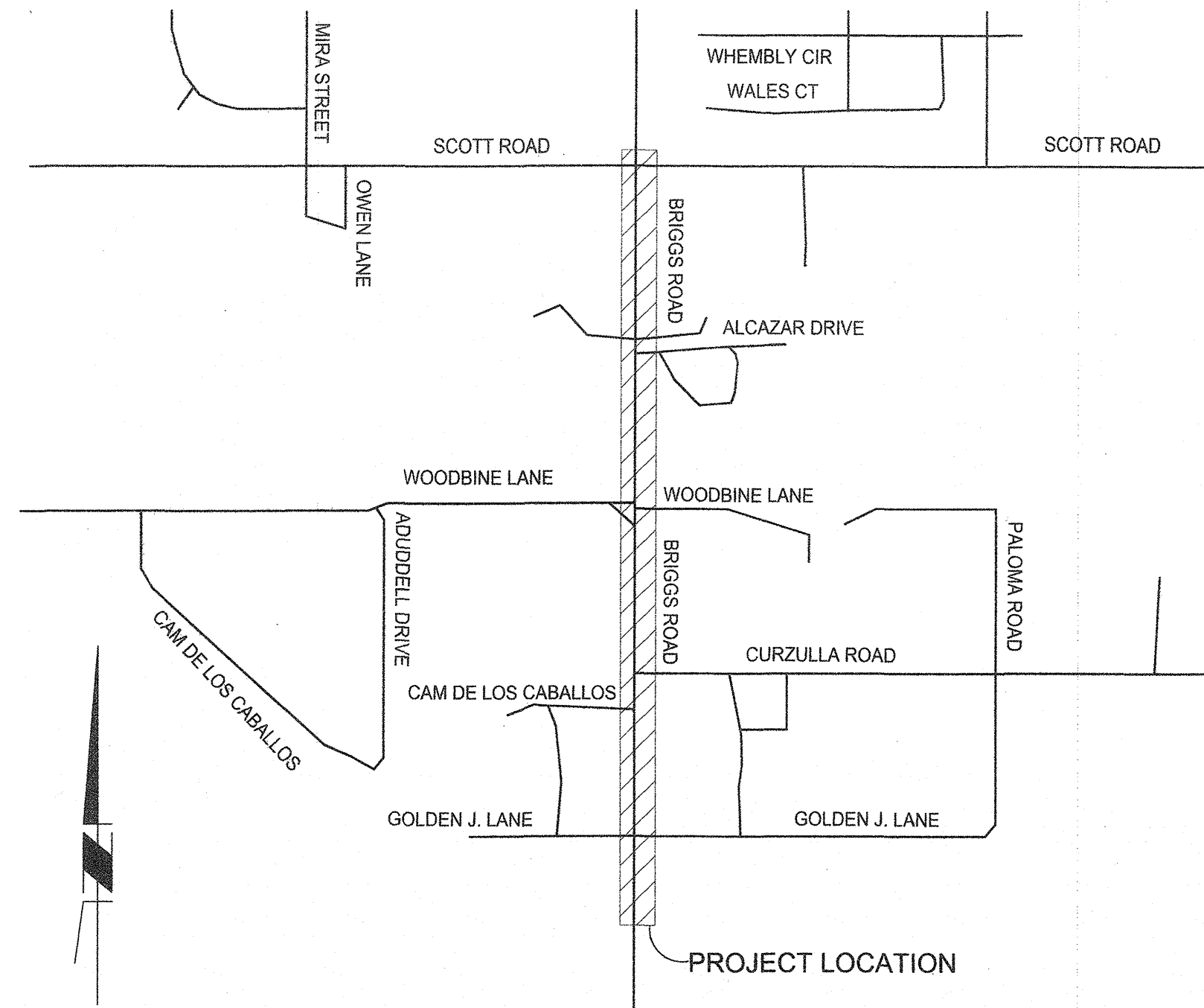
MICHAEL BAKER INTL	LANDSCAPE PLANS	SHEET No.
PREPARED UNDER THE SUPERVISION OF: CATHY L. JOHNSON LANDSCAPE ARCHITECT	INTEGRATED MITIGATION BRIGGS ROAD PLANTING AND EROSION CONTROL DETAILS	PD-1 SHEET 28 OF 29

USERNAME => CATHYJ
DGN FILE => A1-3250-sv-PD-1_MERGED.dgn

WO XX-XXXX

COUNTY
FILE No.

968 J



VICINITY MAP
NTS

CITY OF MENIFEE

INTEGRATED MITIGATION PROJECT

CONSTRUCTION PLANS FOR IRRIGATION PIPELINE

BRIGGS ROAD FROM SCOTT ROAD TO GOLDEN JAY LANE

OCTOBER 2017

SHEET INDEX

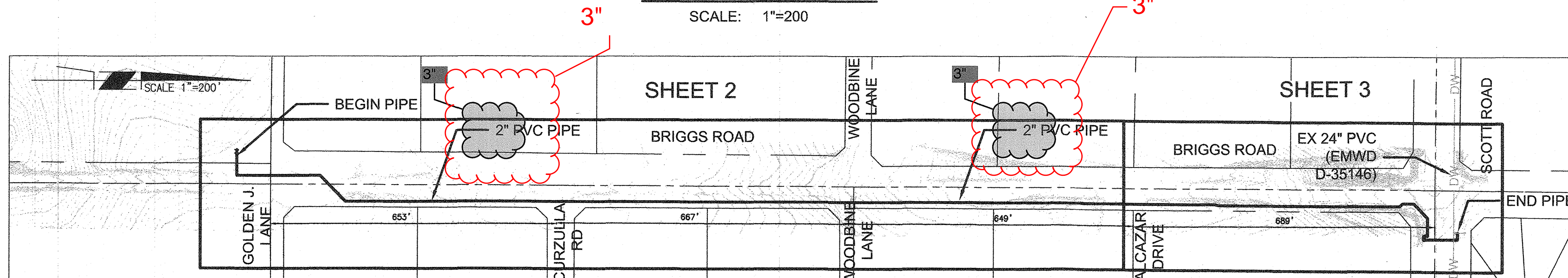
1. TITLE SHEET
2. IRRIGATION LINE PLAN - STA 10+00.00 - 31+00.00
3. IRRIGATION LINE PLAN - STA 31+00.00 - 39+67.15
4. IRRIGATION WATER PIPELINE DETAILS

LEGEND

- RIGHT OF WAY
- CENTERLINE OF STREET
- NEW WATER LINE
- EXISTING WATER LINE
- GATE VALVE
- PROPOSED BUILDING OR STRUCTURE

SHEET INDEX MAP

SCALE: 1"=200



WATER NOTES

1. WATER PIPELINE AND APPURTENANT CONSTRUCTION SHALL BE IN ACCORDANCE WITH EMWD STANDARDS AND SPECIFICATIONS.
2. MATERIALS, TESTING AND INSPECTION OF PIPE SHALL BE IN CONFORMITY WITH THE REQUIREMENTS OF THE CITY OF MENIFEE, THE AMERICAN WATER WORKS ASSOCIATION (AWWA), AND EMWD STANDARDS.
3. ALL STATIONING SHOWN ON THESE PLANS IS MEASURED ALONG THE CENTERLINE OF THE WATERLINE OR AS SHOWN ON PLANS. MINIMUM PIPE COVER SHALL BE 48-INCHES OR AS SHOWN ON PLANS.
4. PRIOR TO CONSTRUCTION OF PIPELINE, CONTRACTOR SHALL EXPOSE EXISTING WATER SYSTEM AND VERIFY ITS EXISTING ELEVATION AND LOCATION.
5. A VALVE BOX AND COVER SHALL BE INSTALLED AT EACH VALVE WHICH IS SET IN THE GROUND. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING VALVE BOXES TO GRADE AFTER FINAL GRADING OR PAVING OPERATION.
6. ALL SERVICE CONNECTIONS SHALL BE 1" SERVICES X 5/8" METERS, UNLESS OTHERWISE NOTED; AND SHALL BE LOCATED AS SHOWN ON THE PLANS AND ADJUSTED AS NECESSARY TO MISS DRIVEWAYS. WATER SERVICE ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH STD. DWG. B-590A. ADJOINING LOT METER BOXES SHALL BE PLACED TOGETHER AT PROPERTY LINE.
7. WATER SYSTEM PROFILE ELEVATIONS ARE TO INVERT OF PIPE.
8. APPROVED REDUCTION PRESSURE BACKFLOW PREVENTION DEVICE (B-597 A, B, C) REQUIRED FOR ALL INDUSTRIAL, COMMERCIAL, APARTMENT COMPLEXES AND LANDSCAPE SERVICES.
9. INSTALL LOCATOR WIRE OVER WATER MAIN PER STD. DWG. B-656.
10. FAILURE TO MEET ANY OF THE REQUIREMENTS OF THE CITY OF MENIFEE, THE AWWA SPECIFICATIONS AND EMWD WILL BE CAUSE FOR REJECTION.
11. SEPARATION REQUIREMENTS BETWEEN WATER AND SEWER LINES SHALL CONFORM TO STATE HEALTH CODE STANDARD.
12. TRENCH REPAIR PER CITY OF MENIFEE STANDARD NOS. 811 & 812.

THESE WATERLINES ARE THE RESPONSIBILITY AND OWNERSHIP OF THE RIVERSIDE COUNTY TRANSPORTATION AND LAND MANAGEMENT AGENCY (RCTLMA), AND ARE FOR TEMPORARY PURPOSES UNTIL THE INTENT OF THE MITIGATION PROJECT IS MET. ONCE THE WATERLINE IS NO LONGER NEEDED, THE RCTLMA WILL BE RESPONSIBLE FOR DECOMMISSIONING THE LINES INCLUDING ANY NECESSARY REMOVAL OR ABANDONMENT IN PLACE AS APPROVED BY THE CITY OF MENIFEE ENGINEERING DEPARTMENT.

NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT AND/OR GRADING PERMIT HAS BEEN ISSUED.

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CITY OF MENIFEE STANDARD DETAILS AND SPECIFICATIONS, THE CURRENT STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (THE "GREENBOOK"), THE RIVERSIDE COUNTY STREET IMPROVEMENT STANDARDS AND SPECIFICATIONS AND STANDARD PLANS; COUNTY ORDINANCE NO. 461; CALTRANS STANDARD PLANS AND SPECIFICATIONS; CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
2. PRIOR TO START OF WORK, THE DEVELOPER/CONTRACTOR SHALL APPLY TO THE CITY OF MENIFEE ENGINEERING DEPARTMENT FOR AN ENCROACHMENT PERMIT FOR WORK PERFORMED WITHIN PUBLIC RIGHT-OF-WAY AND TO BE RESPONSIBLE FOR SATISFACTORY COMPLIANCE FOR CURRENT ENVIRONMENTAL REGULATIONS DURING THE LIFE OF CONSTRUCTION ACTIVITIES FOR THIS PROJECT. ADDITIONAL STUDIES MAY BE REQUIRED.
3. PRIOR TO START OF WORK, THE DEVELOPER/CONTRACTOR SHALL APPLY TO THE CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) FOR AN ENCROACHMENT PERMIT FOR WORK PERFORMED WITHIN THE STATE RIGHT-OF-WAY. 4. WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE PROSECUTED TO COMPLETION WITHOUT DELAY SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC. FAILURE TO COMPLY WITH THIS REQUIREMENT IS A VIOLATION OF THE CITY OF MENIFEE ENCROACHMENT PERMIT.
5. WHEN IMPROVEMENT PLANS HAVE BEEN SUBMITTED TO THE CITY FOR PLAN CHECKING AND THE PLAN CHECKING PROCESS HAS BEEN INTERRUPTED FOR A PERIOD OF ONE YEAR OR MORE, THE PLANS SHALL BE DEEMED ABANDONED. APPROVED IMPROVEMENT PLANS FOR ALL SUBDIVISIONS SHALL BE DEEMED ABANDONED IF CONSTRUCTION HAS NOT COMMENCED WITHIN TWO YEARS OF THE LATEST APPROVAL DATE (ONE YEAR FOR NON-SUBDIVISIONS). IF CONSTRUCTION IS INTERRUPTED FOR A PERIOD OF ONE YEAR OR MORE, THE PLANS SHALL BE DEEMED ABANDONED. ABANDONED PLANS SHALL BE RE-SUBMITTED FOR REVIEW AND ALL FEES SHALL BE PAID IN ACCORDANCE WITH THE PLAN CHECK AND PROCESSING POLICY PRIOR TO ANY PERMITS BEING ISSUED.
6. APPROVAL OF THIS PLAN BY THE CITY OF MENIFEE DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OF, THE LOCATION OF, OR THE EXISTENCE OR NON-EXISTENCE OF, ANY UNDERGROUND UTILITY PIPE OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT. THIS NOTE APPLIES TO ALL PAGES.
7. ALL REVISIONS TO IMPROVEMENT PLANS, OR MATERIAL SUBSTITUTION REQUESTS, PROPOSED DURING CONSTRUCTION SHALL BE SUBMITTED IN WRITING TO THE CITY ENGINEERING DEPARTMENT BY THE ENGINEER OF RECORD AND SHALL FOLLOW THE PROCEDURES AS APPROVED BY THE CITY ENGINEER.
8. LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE. THE DEVELOPER/CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS AND VERIFY CONDITIONS ON THE JOB SITE PRIOR TO COMMENCING WORK. THE DEVELOPER/CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR DAMAGES OCCURRED DUE TO FAILURE TO LOCATE AND PRESERVE UNDERGROUND UTILITIES. HAND DIG AS NEEDED UNTIL CLEAR OF OBSTRUCTIONS.
9. NOTIFY UNDERGROUND SERVICE ALERT, (800) 227-2600, AND ALL CONCERNED UTILITY COMPANIES AT LEAST TWO WORKING DAYS IN ADVANCE OF EXCAVATION.
10. A PRECONSTRUCTION MEETING WITH THE PUBLIC WORKS INSPECTOR IS REQUIRED PRIOR TO START OF WORK.
11. RIGHT OF ENTRY FOR ANY WORK PERFORMED ON ADJACENT PROPERTIES IS REQUIRED. PERMISSION FOR RIGHT OF ENTRY SHALL BE OBTAINED IN WRITING AND THE LETTER SHALL COMPLY WITH CITY FORMAT.
12. APPROVAL OF PLANS AND / OR PERMIT ISSUANCE DOES NOT RELIEVE THE PERMITTEE OF THEIR RESPONSIBILITY TO MAINTAIN WORK WITHIN THE PROJECT PROPERTY BOUNDARIES AND DEDICATED CITY RIGHT-OF-WAY. TRESPASSING ON PRIVATE PROPERTY IS AGAINST THE LAW AND CAUSE FOR CANCELLATION OF PERMIT AND ISSUANCE OF STOP WORK NOTICE.
13. IT IS THE RESPONSIBILITY OF THE PERMITTEE TO SUBMIT A REQUEST FOR PERMIT EXTENSION TO THE CITY ENGINEER IN WRITING PRIOR TO PERMIT EXPIRATION. EXTENSION AND EXPIRATION OF PERMITS SHALL BE IN ACCORDANCE WITH THE UNIFORM BUILDING CODE AND /OR THE CITY OF MENIFEE ENGINEERING DESIGN GUIDELINES POLICIES AND PROCEDURES.
14. THE DEVELOPER/CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CLEAN UP ON CITY OF MENIFEE RIGHT-OF-WAY AFFECTED BY DEVELOPER'S/CONTRACTOR'S WORK. THE DEVELOPER/CONTRACTOR SHALL KEEP CITY OF MENIFEE RIGHT-OF-WAY CLEAN OF DEBRIS, WITH DUST AND OTHER NUISANCES BEING CONTROLLED AT ALL TIMES. METHOD OF STREET CLEANING SHALL BE WET SWEEPING OF ALL PAVED AREAS. THERE SHALL BE NO STOCKPILING OF CONSTRUCTION MATERIALS WITHIN THE CITY OF MENIFEE RIGHT-OF-WAY WITHOUT THE PERMISSION OF THE CITY ENGINEER.
15. THE CONTRACTOR SHALL CONTACT THE CITY OF MENIFEE PUBLIC WORKS INSPECTOR 48 HOURS PRIOR TO CONSTRUCTION AT (951) 672-6777.

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT. THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF MENIFEE IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OR WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

John Nagle
JOHN NAGLE
NO. 46972
09/30/2019

11/13/17
DATE

REVIEWED AND APPROVED FOR CONNECTION TO EASTERN MUNICIPAL WATER DISTRICT FACILITIES AS SHOWN ON THESE DRAWINGS.

NAME _____ DATE _____

NOTIFICATIONS

AT LEAST 48 HOURS PRIOR TO COMMENCING CONSTRUCTION, CONTRACTOR SHALL NOTIFY:

1. EASTERN MUNICIPAL WATER DISTRICT
2. CITY OF MENIFEE, PUBLIC WORKS DEPARTMENT (951) 672-6777
3. UNDERGROUND SERVICE ALERT (USA)- 1(800) 227-2600 OR 811
4. ALL OTHER AFFECTED AGENCIES THAT ARE NOT MEMBERS OF USA.

CONSTRUCTION NOTES

1. INSTALL 2" PVC IPS PRESSURE/RING-TITE JOINT PIPE (SDR 26) AND FITTINGS
2. INSTALL 4" PVC PIPE (C900 DR 18) AND FITTINGS
3. INSTALL 1.5" SERVICE PER EMWD STD. DWG. NO. B-342A.
4. INSTALL 1.5" COPPER TUBING TYPE "K" WITH POLYETHYLENE SLEEVE
5. INSTALL 4" DI 90° BEND (FXH)
6. INSTALL 2" COPPER TUBING TYPE "K" WITH POLYETHYLENE SLEEVE
7. INSTALL 4" GATE VALVE (FXF) PER EMWD STD. DWG. NO. B-658
8. INSTALL 3/4" METER PER EMWD STD. DWG. NO. B-590 WITH H-20 LOADING
9. INSTALL 1" REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLY PER EMWD STD. DWG. NO. B-597A
10. INSTALL GUARD POST PER DETAIL 3 AND DETAIL 4 ON SHEET 4
11. INSTALL 2'-6" X 4'-0" X 3'-6" PRECAST VAULT WITH ALUMINUM ACCESS HATCH (H-20 LOADING) MANUFACTURED BY JENSEN PRECAST OR ENGINEERED APPROVED EQUAL.
12. TRENCH AND REPAIR PARKWAY PER CITY STD PLAN NO. 811
13. TRENCH AND REPAIR ROADWAY PER CITY STD PLAN NO. 812
14. PROTECT-IN-PLACE
15. INSTALL THRUST BLOCK PER CITY STD PLAN NO. 1302.15
16. POT HOLE TO VERIFY THE LOCATION OF THE UTILITY

BASIS OF COORDINATES:

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA STATE PLANE COORDINATE SYSTEM, CCS83, ZONE 6, BASED ON GPS OBSERVATIONS, USING THE LEICA GEOSYSTEMS SMARTNET BASE STATION NETWORK, SITE CODE 'CATE'. ALL BEARINGS AND DISTANCES SHOWN HEREON ARE GRID DISTANCES. GROUND DISTANCES CAN BE OBTAINED BY MULTIPLYING THE GRID DISTANCES BY A COMBINED FACTOR OF 1.00009436.

BENCH MARK:

THE BENCHMARK USED FOR THIS SURVEY IS TBM: SMH RIM, ELEV: 1465.20 (NGVD29) DESCRIPTION: SMH AT THE INTERSECTION OF LINENBERGER ROAD AND WOODBINE LANE AS SHOWN ON THE IMPROVEMENT PLANS FOR TRACT NO. 29226- SEWER AND WATER IMPROVEMENT PLAN, DATED 3-4-2003 SHEET 6 OF 13.

REVISIONS				
SHT.	DESCRIPTION	DATE	BY	APPROD

ENGINEER LOGO

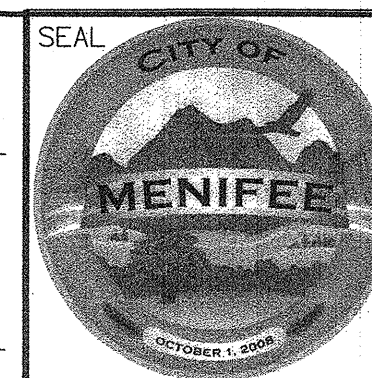
Michael Baker
INTERNATIONAL
5 Hutton Centre Drive, Suite 500, Santa Ana, CA 92707
Phone: (949) 472-3505 - MBAKERINTL.COM

ENGINEER SEAL



SCALE: AS SHOWN
DESIGN: KH
DRAWN: KH/DT
CHECKED: JN/BC
APPROVED: JN
DATE: OCT 23, 2017

CITY OF MENIFEE
ENGINEERING DEPARTMENT
Nathan G. Smith
NATHAN G. SMITH
DIRECTOR OF PUBLIC WORKS/
CITY ENGINEER
RCE 61253
EXP. 6/30/19
12-5-17
DATE
11/30/17
DATE



CITY OF MENIFEE
ENGINEERING DEPARTMENT
WATER IMPROVEMENT PLANS FOR:
INTEGRATED MITIGATION PROJECT
TITLE SHEET

SHEET NO.

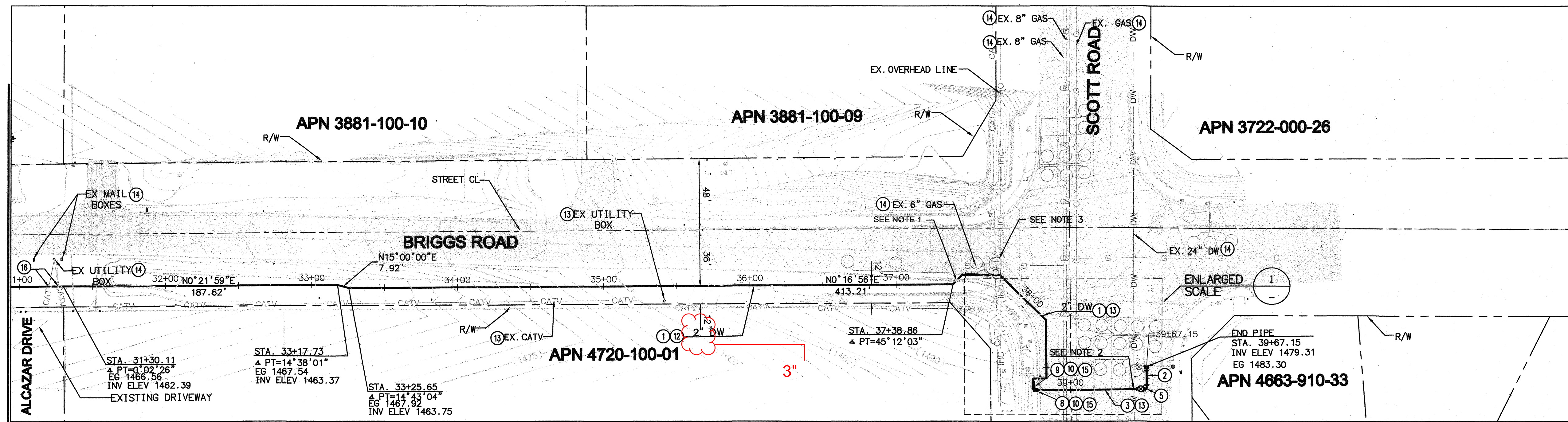
1

1 OF 4

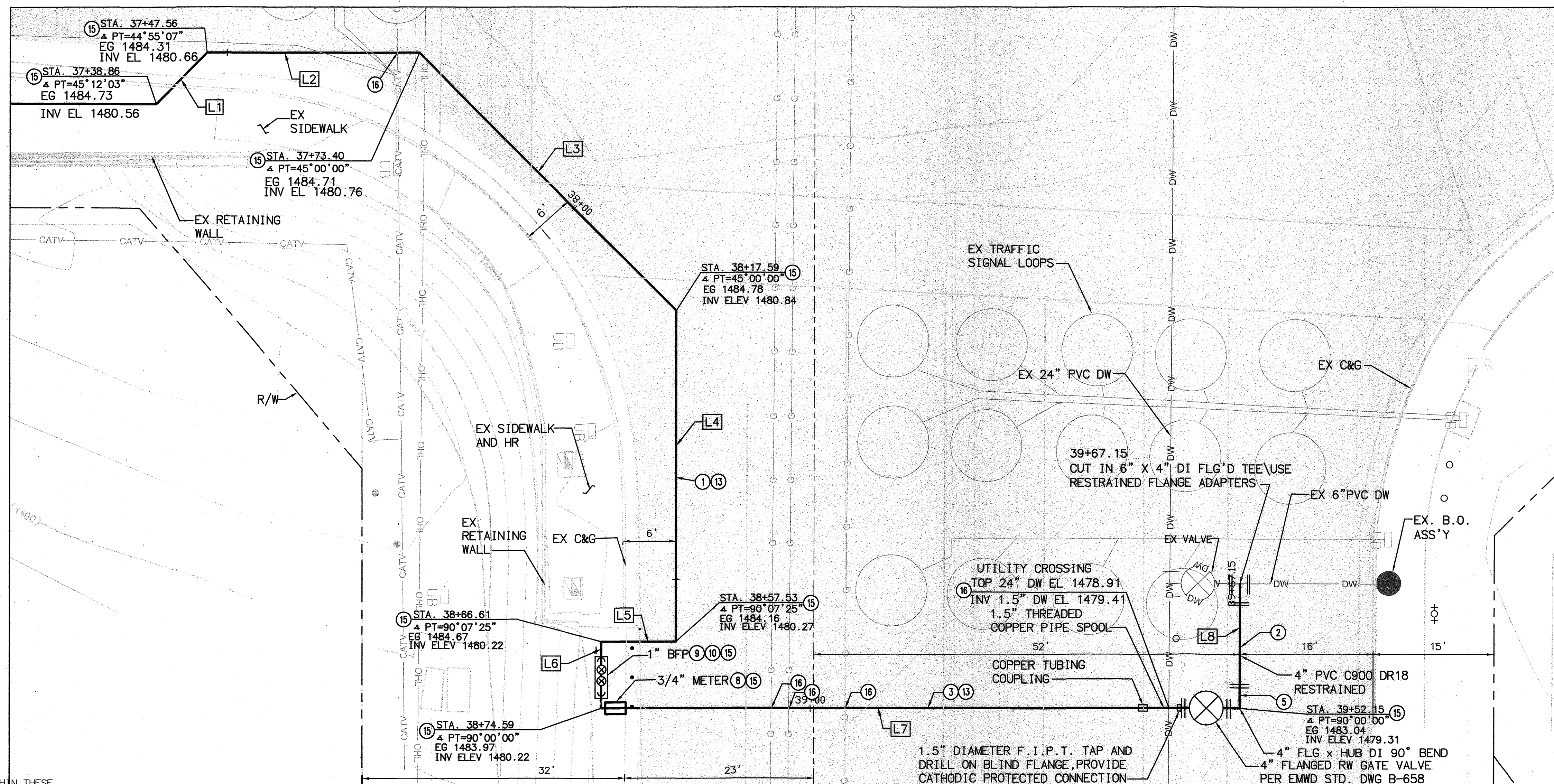
PROJECT NO: IP17-038U

968 J

MATCHLINE 31+00
SEE SHEET 2



LINE/CURVE DATA TABLE				
NO.	BEARING/DELTA	RADIUS	LENGTH	TANGENT
L1	N44°55'07"W	---	8.70'	---
L2	N0°00'00"E	---	25.84'	---
L3	N45°00'00"E	---	44.20'	---
L4	N90°00'00"E	---	39.94'	---
L5	S0°07'25"W	---	9.07'	---
L6	N90°00'00"E	---	7.99'	---
L7	N0°00'00"E	---	77.56'	---
L8	N90°00'00"W	---	15.00'	---

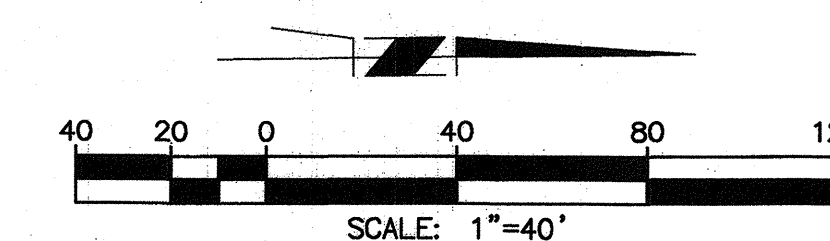


CONSTRUCTION NOTES

- INSTALL 2" PVC IPS PRESSURE/RING-TITE JOINT PIPE (SDR 26) AND FITTINGS
- INSTALL 4" PVC PIPE (C900 DR 18) AND FITTINGS
- INSTALL 1.5" SERVICE PER EMWD STD. DWG. NO. B-342A.
- INSTALL 4" DI 90° BEND (FXH)
- INSTALL 3/4" METER PER EMWD STD. DWG. NO. B-590 WITH H-20 LOADING
- INSTALL 1" REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLY PER EMWD STD. DWG. NO. B-597A
- INSTALL GUARD POST PER DETAIL 3 AND DETAIL 4 ON SHEET 4
- TRENCH AND REPAIR PARKWAY PER CITY STD PLAN NO. 811
- TRENCH AND REPAIR ROADWAY PER CITY STD PLAN NO. 812
- PROTECT-IN-PLACE
- INSTALL THRUST BLOCK PER CITY STD PLAN NO. 1302.15
- POTHOLE TO VERIFY THE LOCATION OF THE UTILITY

NOTES:

- PROTECT EXISTING SIDEWALK, CURB AND GUTTER IN PLACE OR REPLACE IN KIND TO NEAREST JOINT.
- TRAFFIC STRIPING DAMAGED DURING CONSTRUCTION SHALL BE REPLACE IN KIND.
- TRAFFIC LOOPS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED IN KIND.
- ELEVATIONS ON EXISTING UTILITIES ARE BASED ON AVAILABLE RECORD INFORMATION. CONTRACTOR SHALL VERIFY EXISTING LOCATION OF EXISTING UTILITIES. SEE GENERAL NOTE 8 AND 9 ON SHEET 1.



NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT AND/OR GRADING PERMIT HAS BEEN ISSUED.

ENLARGED SCALE

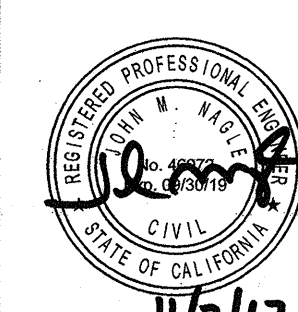
SCALE: 1/8"=1'-0"

REVISIONS				
SHT.	DESCRIPTION	DATE	BY	APPROV.

ENGINEER LOGO

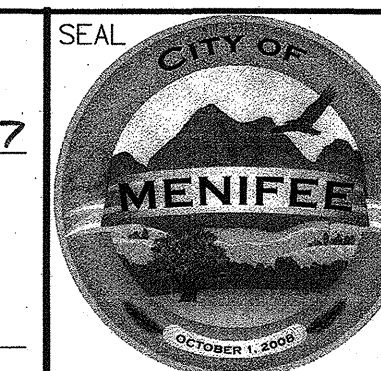
Michael Baker
INTERNATIONAL
5 Hutton Centre Drive, Suite 500, Santa Ana, CA 92707
Phone: (949) 472-3505 • MBAKERINTL.COM

ENGINEER SEAL



SCALE: AS SHOWN
DESIGN: KH
DRAWN: KH/DT
CHECKED: JN/BC
APPROVED: JN
DATE: OCT 23, 2017

CITY OF MENIFEE
ENGINEERING DEPARTMENT
JONATHAN G. SMITH
DIRECTOR OF PUBLIC WORKS/
CITY ENGINEER
RCE 61253
EXP. 6/30/19
DATE: 2.5.17
RECOMMENDED BY: [Signature]



CITY OF MENIFEE
ENGINEERING DEPARTMENT
WATER IMPROVEMENT PLANS FOR:
INTEGRATED MITIGATION PROJECT
IRRIGATION LINE PLAN
STA 31+00.00 - 39+67.15

SHEET NO.

3

3 OF 4

PROJECT NO: IP17-038U

ATTACHMENT "B" TO ADDENDUM NO. 1

35 OF 37

968 J



Patricia Romo, P.E.
Director of Transportation

COUNTY OF RIVERSIDE

TRANSPORTATION AND LAND MANAGEMENT AGENCY

Transportation Department

Mojahed Salama, P.E.
Deputy for Transportation/Capital Projects
Richard Lantis, P.L.S.
Deputy for Transportation/Planning and
Development

ADDENDUM NUMBER 2

Dated April 30, 2020

to the
Specifications and Contract Documents
for the construction of

Integrated Mitigation Project
Located Southwest of Briggs Road and Golden Jay Lane
In the French Valley Community
Project No. C7-0032

Bids Due: (Revised)
Wednesday, May 13, 2020; 2:00 p.m.
14th Street Transportation Annex
3525 14th Street; Riverside, CA 92501
(951) 955-6780

This Addendum is issued pursuant to the Instructions to Bidders, Item No. 8, of the Contract Documents for the reference project. This Addendum is issued as a supplement to the specification and special provisions for the referenced project. The revisions to the specifications shall become a part of the Contract Documents, and each bidder shall acknowledge receipt thereof on the Bid (Proposal). Bidders are directed to sign this addendum as acknowledged and attach the signed addendum to the contractor's submitted proposal.

Note: During the advertisement period of this project, this document and attachments (if any) are available upon request at the office of the Transportation Department, and are available as a free download at the Transportation Department's website:

<http://rctlma.org/trans/Contractors-Corner/Notices-Inviting-Bids>

MODIFICATIONS / CLARIFICATIONS TO SPECIAL PROVISIONS:

Item 1: The new designated date and time for the receipt and opening of bids is revised as follows:

Wednesday, May 13, 2020; 2:00 p.m.
14th Street Transportation Annex
3525 14th Street; Riverside, CA 92501
(951) 955-6780

Prepared by: _____

Joel Jimenez, PE; Senior Civil Engineer, Contracts/Bidding Unit

Acknowledged: _____

(Contractor)

Date: _____

JRJ:sb



*Patricia Romo, P.E.
Director of Transportation*

COUNTY OF RIVERSIDE

TRANSPORTATION AND LAND MANAGEMENT AGENCY

*Mojahed Salama, P.E.
Deputy for Transportation/Capital Projects
Richard Lantis, P.L.S.
Deputy for Transportation/Planning and
Development*

Transportation Department

ADDENDUM NUMBER 3

Dated May 7, 2020

**to the
Specifications and Contract Documents
for the construction of**

**Integrated Mitigation Project
Located Southwest of Briggs Road and Golden Jay Lane
In the French Valley Community
Project No. C7-0032**

Bids Due: (Revised) Wednesday, May 20, 2020; 2:00 p.m.
14th Street Transportation Annex
3525 14th Street; Riverside, CA 92501
(951) 955-6780

This Addendum is issued pursuant to the Instructions to Bidders, Item No. 8, of the Contract Documents for the reference project. This Addendum is issued as a supplement to the specification and special provisions for the referenced project. The revisions to the specifications shall become a part of the Contract Documents, and each bidder shall acknowledge receipt thereof on the Bid (Proposal). Bidders are directed to sign this addendum as acknowledged and attach the signed addendum to the contractor's submitted proposal.

Note: During the advertisement period of this project, this document and attachments (if any) are available upon request at the office of the Transportation Department, and are available as a free download at the Transportation Department's website:

<http://rctlma.org/trans/Contractors-Corner/Notices-Inviting-Bids>

MODIFICATIONS / CLARIFICATIONS:

Item 1: The new designated date and time for the receipt and opening of bids is revised as follows:

Wednesday, May 20, 2020; 2:00 p.m.
14th Street Transportation Annex
3525 14th Street; Riverside, CA 92501
(951) 955-6780

Item 2: Revised Proposal. Refer to "Proposal" pages B2-B4 issued with addendum No. 1 as Attachment "A". Delete and replace "Proposal" (page B2-B4) with "Proposal (Revised)" attached herewith as **Attachment "A"**.

a. The quantities of following bid items have been revised:

Item # 7; CHANNEL EXCAVATION
Item # 8; SELECT NATIVE MATERIAL
Item #12; PLANT (GROUP P)
Item #13; PLANT (GROUP A)
Item #14; PLANT (GROUP B)
Item #41; EROSION CONTROL (DRY SEED)(SQFT)(DIEGAN COASTAL SCRUB)
Item #43; HYDROSEED (SOUTHERN WILLOW SCRUB)
Item #44; HYDROSEED (SYCAMORE RIPARIAN)
Item #45; HYDROSEED (EXISTING CREEK CHANNEL)
Item #46; HYDROSEED (CREATED CHANNEL/PERENNIAL GRASSLAND)
Item #47; HYDROSEED (SEASONAL WETLAND)
Item #48; HYDROSEED (LARGE SEASONAL WETLAND)
Item #49; HYDROSEED (COAST LIVE OAK WOODLAND)
Item #50; HYDROSEED (MIXED OAK WOODLAND)
Item #59; PLANTING OF CONTAINER PLANTS AND CUTTINGS

b. The following bid items have been added:

Item #11E; 3" WATER SUPPLY LINE (EMWD)
Item #50B; PLANT (GROUP H)

c. The description and item code of following bid item has been revised:

Item #30; 2" GATE VALVE revised to 3" GATE VALVE

Item 3: Supplemental Project Information.

Refer to Section 2-1.06B Supplemental Project Information and table showing supplemental items on page 12 of Special Provisions.

Following corrections are made to items titles listed in the table.

1. Basis of Design Report, April 2018
2. Revised Standard Specs, dated July 15, 2016
3. Basis of Design Report, January 2018
4. Final Conceptual Mitigation Design Report

The following new supplemental project information item is added and made part thereof:

5. Cross Sections

The Supplemental Project Information is available on the County of Riverside Transportation Department website:

<http://rctlma.org/trans/Contractors-Corner/Notices-Inviting-Bids>

Item 4: 6-2.04 LOCAL SOURCE

Refer to Special Provisions Section 6-2.04 on page 13 of the Special Provisions. Following additional local source is added to the 1. Plants list of local sources and made part thereof:

- Moosa Creek Native Plant Nursery

Item 5: 10-6 WATERING

Refer to Special Provisions 10-6 Watering page 14-15 of the Special Provisions. This section is deleted. This section is a duplicate provision with Section 17, Watering starting on page 28.

Item 6: 17-2.04 Payment

Refer to Special Provisions Section 17-2.04 Payment page 29 of the Special Provisions. The Payment clause is deleted and replaced with the following and made part thereof.

17-2.04 Payment

Full compensation for developing water supply for the entire project, furnishing materials and watering equipment, installation of the system, and applying water shall be considered as included in the contract price paid for Develop Water Supply (for all Bid Schedules) and shall include full compensation for the work performed, including obtaining and submitting Permits, Licenses, Agreements and Certifications required, as specified in the Standard Specifications, these Special Provisions, and as directed by the Engineer and no additional compensation will be allowed therefor.

Item 7: 20-1.03D Cultivation

Refer to Special Provisions Section 20-1.03D on page 34 of the Special Provisions. This entire section is deleted.

Item 8: 20-4.04 Payment

Refer to Special Provisions Section 20-4.04 Payment on page 64 of the Special Provisions.

Delete subsection B and replace with the following and made part thereof:

- B. Payment of PLANT ESTABLISHMENT WORK (Including all bid schedules) shall be based upon the lump sum bid price for “**PLANT ESTABLISHMENT WORK [1250 WD] [5-YEARS].**” The “**PLANT ESTABLISHMENT WORK [1250 WD] [5-YEARS]**” period will begin after the 120-day Plant Establishment Period is completed in accordance with Section 14-6. Full compensation for the 120-days Plant Establishment work referenced in Section 14-6 shall be considered as included in the contract prices paid for the various items of work and no additional compensation will be allowed therefor. Payment shall constitute full compensation for all labor, material, equipment, and all other items necessary and incidental for completion of this item of work. The deletion for work or the addition

of extra work, as provided for herein, shall not affect the price paid for PLANT ESTABLISHMENT WORK.

Item 9: 72-2.04 Payment

Refer to Special Provisions Section 72-2.04 Payment page 70 of the Special Provisions. The Payment clause is deleted and replaced with the following and made part thereof.

The unit bid price paid per cubic yard for Rock Slope Protection shall include full compensation for furnishing all labor, materials (including rock and rock slope protection filter fabric (geotextile material), gravel base), tools, equipment, and incidentals, and for doing all the work involved in constructing grade control structures, complete, in place, including excavation and backfill, as shown on the plans, as specified in the Standard Specifications and these Special Provisions, and as directed by the Engineer. The payment quantity shall be the volume determined from the dimensions shown on the plans.

Item 10: Project Information; Questions and Responses

Questions and Responses information list is available as a free download at the following County website:

<http://rctlma.org/trans/Contractors-Corner/Notices-Inviting-Bids>

This (downloadable) file is provided for reference only. For any discrepancy written on the Questions and Responses, the Contractor shall conform to the Specifications and Contract Documents.

The Contractor Questions and Responses are included as **Attachment “B”**.

MODIFICATIONS / CLARIFICATIONS TO THE PLANS

Item 11: Plan Sheets (Replacement)

Refer to following plan sheets. These plan sheets are deleted and replaced with revised sheets as noted below: The revised sheets are attached herewith as **Attachment "C"**:

Plan Sheets #10, 17, 27 and 28

Note: All revised plan sheets are posted on following website and available for download during the advertisement period.

<http://rctlma.org/trans/Contractors-Corner/Notices-Inviting-Bids>

Item 12: Modification/Clarification to the Plans

Refer to Clinton Keith Road Sheet L-1, 2 of 3, GENERAL Note 7 (pdf combined file counter page 31 or 37) of the Plans. This note is deleted and replaced with the following and made part thereof.

7. THE **120 DAY ESTABLISHMENT CRITERIA INCLUDES:**
 - 7.1 100% SURVIVORSHIP OF ALL CONTAINER AND CUTTING PLANTS PLANTED
 - 7.2 LESS THAN 5% COVER OF NON-NATIVE PLANTS.

ATTACHMENTS

A – Revised Proposal (3 pages)

B – Questions and Responses (10 pages)

C – Revised Plans (4 pages)

Addendum No. 3

Integrated Mitigation Project

Located Southwest of Briggs Road and Golden Jay Lane

In the French Valley Community

Project No. C7-0032

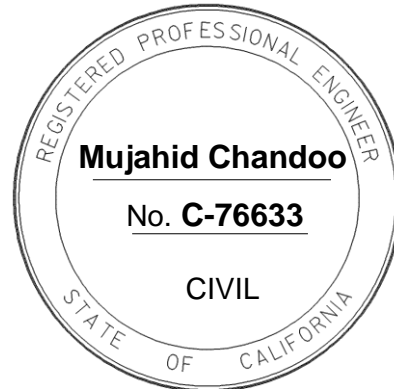
May 7, 2020

Page 6 of 7

This addendum has been prepared under the direction of the following registered Civil Engineer(s):



Mujahid Chandoo, P.E.



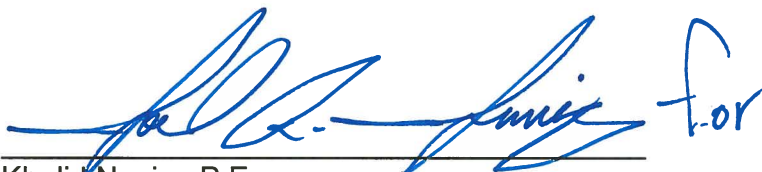
Recommended by:



Benjie Cho, PE
Senior Civil Engineer



Concurrence:



Khalid Nasim, P.E.
Engineering Division Manager

Acknowledged: _____ **Date:** _____
(Contractor)

JRJ: jrj:sb

Note: Submittal of this page only (signed by bidder) with bid proposal is sufficient as addendum acknowledgement.

Integrated Mitigation Project
Located Southwest of Briggs Road and Golden Jay Lane
In the French Valley Community
Project No. C7-0032

PROPOSAL (REVISED)

BASE BID SCHEDULE A - BRIGGS ROAD (CHANNEL CONSTRUCTION)

ITEM No.	ITEM CODE	ITEM	UNIT	ESTIMATED QUANTITY	ITEM PRICE (IN FIGURES)	TOTAL (IN FIGURES)
1	760090	MOBILIZATION, DEMOBILIZATION, AND FINAL CLEANUP	LS	1		
2	130300	PREPARE STORM WATER POLLUTION PREVENTION PLAN	LS	1		
3	066102	DUST ABATEMENT	LS	1		
4	170101	DEVELOP WATER SUPPLY (SCHEDULE A)	LS	1		
5	141000	TEMPORARY FENCE (TYPE ESA)	LF	8,500		
6	160102	CLEARING AND GRUBBING	LS	1		
7	190151	CHANNEL EXCAVATION	CY	11,262		
8	011901	SELECT NATIVE MATERIAL	CY	1,012		
9	720000	ROCK SLOPE PROTECTION	CY	2,810		
10	————	ITEM DELETED BY ADDENDUM	————	————	————	————
11	001602	MISCELLANEOUS WORK (AS DIRECTED)	FA	1	60,000.00	60,000.00
11A	801364	16' METAL GATE	EA	3		
11B	803060	REMOVE GATE	EA	2		
11C	803100	RECONSTRUCT FENCE	LF	28		
11D	801364	EQUESTRIAN ACCESS	EA	1		
11E	808600	3" WATER SUPPLY LINE (EMWD)	LS	1		

BASE BID SCH. A

SUB-TOTAL: _____ \$ _____

ITEMS 1-11E "WORDS"

BASE BID SCHEDULE B -BRIGGS ROAD (LANDSCAPE, IRRIGATION AND PLAN ESTABLISHMENT)

ITEM No.	ITEM CODE	ITEM	UNIT	ESTIMATED QUANTITY	ITEM PRICE (IN FIGURES)	TOTAL (IN FIGURES)
12	204020	PLANT (GROUP P)	EA	1,440		
13	204035	PLANT (GROUP A)	EA	765		
14	204036	PLANT (GROUP B)	EA	165		
15	204038	PLANT (GROUP U)	EA	190		
16	204099	PLANT ESTABLISHMENT WORK [1250 WD] [5-YEARS]	LS	1		
17	205033	GRAVEL MULCH	CY	420		
18	205035	WOOD MULCH	CY	54		
19	205051	FOLIAGE PROTECTOR	EA	1,195		
20	206405	REMOVE IRRIGATION FACILITY	LS	1		

BASE BID SCHEDULE B - LANDSCAPE, IRRIGATION, PLANTING, and PLANT ESTABLISHMENT WORK

ITEM No.	ITEM CODE	ITEM	UNIT	ESTIMATED QUANTITY	ITEM PRICE (IN FIGURES)	TOTAL (IN FIGURES)
21	206560(P)	CONTROL AND NEUTRAL CONDUCTORS	LS	1		
22	206562(P)	1" REMOTE CONTROL VALVE	EA	8		
23	206564(P)	1 1/2" REMOTE CONTROL VALVE	EA	38		
24	206567(P)	3" REMOTE CONTROL VALVE	EA	1		
25	206921(P)	SOLAR POWERED IRRIGATION CONTROLLER	EA	1		
26	208221(P)	3/4" DRIP IRRIGATION TUBING	LF	2,800		
27	208301(P)	IRRIGATION CONTROLLER ENCLOSURE CABINET	EA	1		
28	208442(P)	FLOW SENSOR	EA	1		
29	208446(P)	SPRINKLER ASSEMBLY (RISER GEAR DRIVEN)	EA	540		
30	208588(P)	3" GATE VALVE	EA	1		
31	208594(P-F)	3/4" PLASTIC PIPE (SCHEDULE 40)(SUPPLY LINE)	LF	7,200		
32	208595(P-F)	1" PLASTIC PIPE (SCHEDULE 40)(SUPPLY LINE)	LF	2,700		
33	208596(P-F)	1 1/4" PLASTIC PIPE (SCHEDULE 40)(SUPPLY LINE)	LF	3,300		
34	208597(P-F)	1 1/2" PLASTIC PIPE (SCHEDULE 40)(SUPPLY LINE)	LF	1,000		
35	208598(P-F)	2" PLASTIC PIPE (SCHEDULE 40)(SUPPLY LINE)	LF	1,000		
36	208599(P-F)	2 1/2" PLASTIC PIPE (SCHEDULE 40)(SUPPLY LINE)	LF	500		
37	208600(P-F)	3" PLASTIC PIPE (SCHEDULE 40)(SUPPLY LINE)	LF	5,300		
38	208683(P)	BALL VALVE	EA	6		
39	208805	6" WELDED STEEL PIPE CONDUIT (0.250" THICK)	LF	32		
40	210010	MOVE-IN/MOVE-OUT (EROSION CONTROL)	EA	4		
41	210210	EROSION CONTROL (DRY SEED)(SQFT)(DIEGAN COASTAL SCRUB)	SQFT	34,010		
42	210430	HYDROSEED [EROSION CONTROL]	SQFT	72,605		
43	210430A	HYDROSEED [SOUTHERN WILLOW SCRUB]	SQFT	78,975		
44	210430B	HYDROSEED [SYCAMORE RIPARIAN]	SQFT	22,430		
45	210430C	HYDROSEED [EXISTING CREEK CHANNEL]	SQFT	19,125		
46	210430D	HYDROSEED [CREATED CHANNEL/PERENNIAL GRASSLAND]	SQFT	65,195		
47	210430E	HYDROSEED [SEASONAL WETLAND]	SQFT	18,490		
48	210430F	HYDROSEED [LARGE SEASONAL WETLAND]	SQFT	35,725		
49	210430G	HYDROSEED [COAST LIVE OAK WOODLAND]	SQFT	11,125		
50	210430H	HYDROSEED [MIXED OAK WOODLAND]	SQFT	8,550		
50A	210430(P)	ROCK SLOPE PROTECTION FABRIC (CLASS 8)	SQYD	2,535		
50B	204008	PLANT (GROUP H)	EA	380		

BASE BID SCH. B

SUB-TOTAL:

ITEMS 12-50B

"WORDS"

\$

BASE BID SCHEDULE C (CLINTON KEITH ROAD RESTAURATION AND ENHANCEMENT)

ITEM No.	ITEM CODE	ITEM	UNIT	ESTIMATED QUANTITY	ITEM PRICE (IN FIGURES)	TOTAL (IN FIGURES)
51	760090	MOBILIZATION, DEMOBILIZATION AND FINAL CLEANUP [INCLUDING BEST MANAGEMENT]	LS	1		
52	120100	TRAFFIC CONTROL SYSTEM [IF NECESSARY]	LS	1		
53	170101	DEVELOP WATER SUPPLY	LS	1		
54	030500	PERMANENT BOUNDARY STAKING	LS	1		
55	031200	RESTORATION SIGNS - PURCHASE AND INSTALLATION	EA	4		
56	160101	CLEARING AND GRUBBING [NON-NATIVE VEGETATION CLEARING AND REMOVAL]	LS	1		
57	210430	HYDROSEED [NATIVE SEED MIX (0.636 AC)]	LS	1		
58	032000	HARVEST WILLOW CUTTINGS ADJACENT TO SITE AND PLANT	EA	20		
59	032001	PLANTING OF CONTAINER PLANTS AND CUTTINGS	EA	232		

BASE BID SCH. C

SUB-TOTAL: _____ \$ _____

ITEMS 51-59 "WORDS"

BASE BID SCHEDULE D (CLINTON KEITH ROAD, PLANT ESTABLISHMENT)

ITEM No.	ITEM CODE	ITEM	UNIT	ESTIMATED QUANTITY	ITEM PRICE (IN FIGURES)	TOTAL (IN FIGURES)
60	208000	IRRIGATION [TWICE A WEEK FOR 90 DAYS]	EA	26		
61	032004	REPLACEMENT PLANTING (ASSUMES 10%)	EA	24		
62	030501	REPAIR OR REPLACEMENT OF BOUNDARY STAKES	EA	1		
63	066567	REPLACEMENT OF SIGNS	EA	1		

BASE BID SCH. D

SUB-TOTAL: _____ \$ _____

ITEMS 60-63 "WORDS"

BASE BID SCHEDULE A + SCHEDULE B + SCHEDULE C + SCHEDULE D

PROJECT TOTAL: _____ \$ _____

ITEMS 1-63 "WORDS"

NOTE: Refer to Addendum No.1 item 1b; In the event that a bidder submit bid item cost for Bid item 16, "Plant Establishment Work [1250 WD][5 Years]" bid item lower than the minimum specified value, the bid will be corrected accordingly.

**Integrated Mitigation Project
Located Southwest of Briggs Road and Golden Jay Lane
In the french Valley Community
Project No. C7-0032**

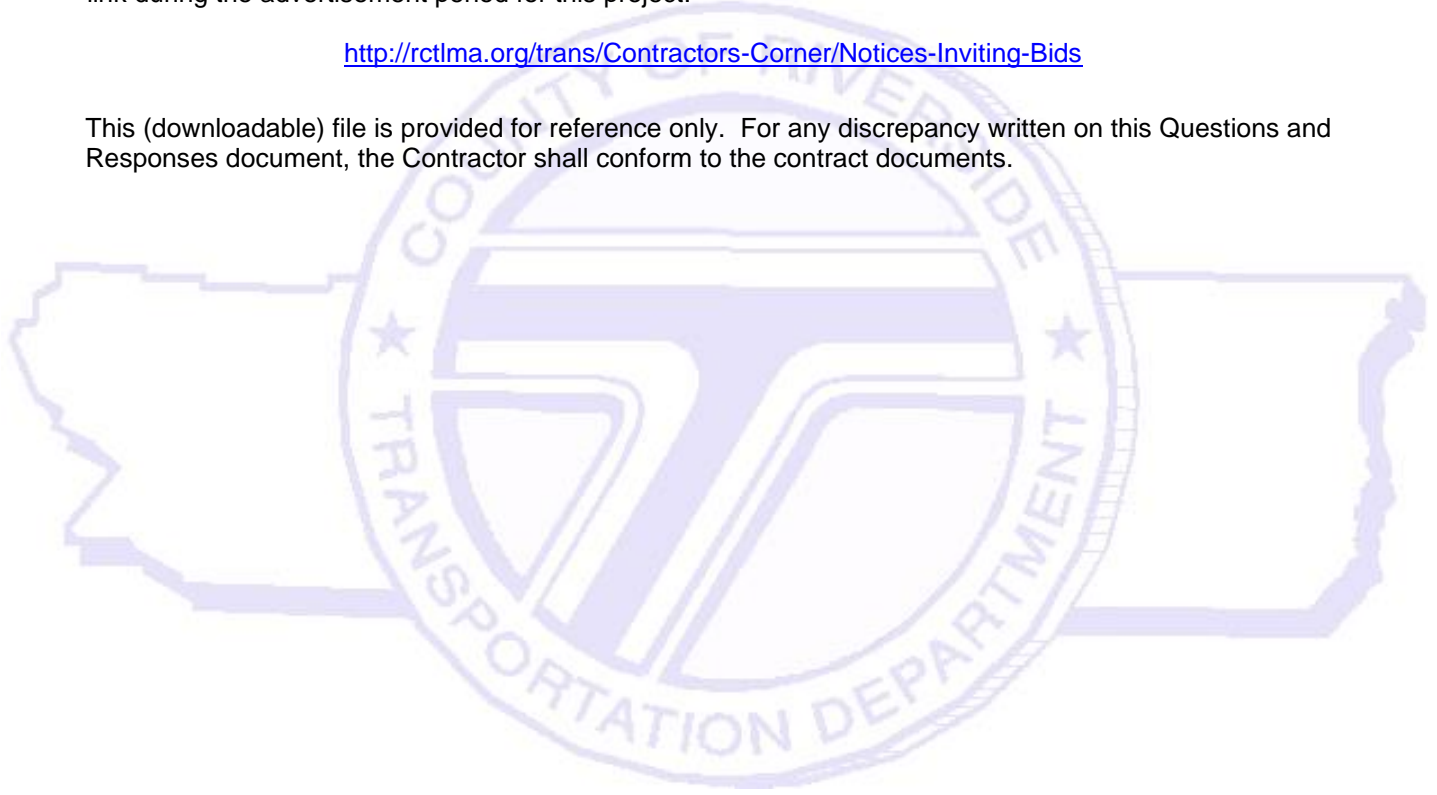
ATTACHMENT “B”

CONTRACTOR QUESTIONS AND RESPONSES

The Questions and Responses information document is available on the County website at the following link during the advertisement period for this project:

<http://rctlma.org/trans/Contractors-Corner/Notices-Inviting-Bids>

This (downloadable) file is provided for reference only. For any discrepancy written on this Questions and Responses document, the Contractor shall conform to the contract documents.



**Integrated Mitigation Project
Located Southwest of Briggs Road and Golden Jay Lane
In the french Valley Community
Project No. C7-0032**

CONTRACTOR QUESTIONS AND RESPONSES		
1	Question	Can the County please provide the AutoCAD and/or Vectorized Copies of the grading sheets on Plans Pages 3 thru 10
	Response	It is not a Department of Transportation Department's practice to provide AutoCAD/MicroStation files of terrain/grading plan(s). Nevertheless, we will request our design consultant to create and provide cross sections. New Supplement item #5 Cross Section is provided.
2	Question	Can the County please provide a specification and legend for the Bid Schedule Item 29 – Sprinkler Assembly (Riser Gear Driven)? The Irrigation plans for Briggs Road show no detail or legend icon for this bid schedule item.
	Response	The requested information was presented in Addendum 1.
3	Question	On Plans Sheet IP-1 – IP-6 there is a symbol of a “6” either in a square or circle, yet there is no legend icon depicting what this item can be. Please provide clarity on what this symbol is showing?
	Response	The symbol is a gear driven rotor sprinkler. Please see Addendum 1.
4	Question	Plans Sheet ISS-1 only shows drip emitters in the Sprinkler Schedule however the Bid schedule calls for Sprinkler Assembly (Riser Gear Driven), Please provide a Sprinkler Schedule with the Sprinkler Assembly details?
	Response	The requested information was presented in Addendum 1.
5	Question	Will the County be providing a Cultural/Archeological monitor just as they are providing a qualified biologist/biological monitor for this project?
	Response	Yes, the County will provide for Tribal Monitoring and any Cultural/Archeological monitor as necessary. Refer to Addendum 1.
6	Question	Is there a soils report available?
	Response	Soil pits were excavated and compared to NRCS soils data in the NOREAS report, see Exhibit C. A geotechnical report is being prepared and is expected to be available after bid opening to confirm clay and sandy loam material is available on site. Based on preliminary research with NRCS data, soils within the vicinity of the mitigation site are sandy loams with clay loams.
7	Question	No quick coupler valves are shown on the plans. Can you include a quick coupler line item? These are needed for watering container plantings typically.
	Response	Container-grown plants will be irrigated by automatic drip systems.
8	Question(s)	The irrigation system has components for a permanent system while this is a temporary system. Can we substitute system parts for an irrigation system that will be in the ground 3 years?
	Response	Substitutions may only be made with the authorization of the Resident Engineer during construction.
9	Question	Progress payment restrictions language is unclear. Why is there a dollar amount restriction for certain line items per progress payment? If we complete 100% of the work in a line item in any given period, shouldn't we be allowed to bill for the entirety of the completed work?

**Integrated Mitigation Project
Located Southwest of Briggs Road and Golden Jay Lane
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CONTRACTOR QUESTIONS AND RESPONSES		
	Response	<p>Special Provision 00-1.09 PROGRESS PAYMENT RESTRICTIONS is typical for Transportation Department public works projects. No revisions will be made to these special provisions. Bids in the pasts have been submitted with clear “front loading” cost amounts; as a result, the Transportation Department created these provisions to minimize this bidding issue even though Public Contract Code has some provisions regarding “mathematically unbalanced bids”. Keep in mind that your company can bid higher (or lower) than the stated value/amount for each item of work in this special provision.</p> <p>If your company bids higher than any one individual item (max value was reviewed and acceptable), your company will be compensated the additional amount at the end of the project (completion in conformance with the plans and specifications)</p> <p>Your company can bill for the entire construction item of work completed; however, any additional amount(s) higher than the value of amounts for these items in this special provision will be paid at the competition of the project.</p>
10	Question	Chain link gate – there is no detail for a chain link gate but there is a detail for a metal swing gate. Is the Chain Link Gate line item for the metal gate?
	Response	Chain Link Gate has been deleted, See Revised Proposal
11	Question	Is the water supply in Schedule C supposed to be a temporary construction meter? This is unclear.
	Response	The water supply is not designated as temporary.
12	Question	Will there be an addendum issued to extend the bid date given the current coronavirus pandemic?
	Response	See addendum No. 1 & 2, bid date has been extended.
13	Question	There are discrepancies between acreages in the plan sheets and the bid schedule. Please confirm acreages for seeding.
	Response	Quantities will be confirmed and corrected, as needed.
14	Question	Are there any access limitations within the preserve area during project work? Do we have ability to use the entire preserve area to drive equipment during construction phase?
	Response	Yes there are significant limitations indicated for motorized equipment/transport in addition to the ESA. Proposed routing for haul roads was added in addendum No. 1.
15	Question	The estimated quantities for the Bid Schedule Item Numbers 12, 13, 14, and 15, which together total 860 plants, do not match the plant quantities in the Plant List in Sheet Number PL-1 in the Landscape Plans, which total 2,865 plants. Is the Plant List on PL-1 the required planting palette for this project? If not, please specify the planting palette.
	Response	The missing bid items will be added and quantities corrected. Yes, the required planting palette is per the Plant List.
16	Question	On PL-1 in the Landscape Plans, Note Number 3 in the Applicable When Circled section describes plant types that require tree staking. What are the specifications for the tree stakes?
	Response	Please see Section 20-3.01B(10) and B(11) for tree stakes and ties.
17	Question	Base Bid A, Item Number 5 calls for Type ESA fencing around ESA areas. What are the ESA fence material and installation specifications?
	Response	See Aaddendum No. 1
18	Question	Are AutoCad or digital files available?
	Response	See response to Question No. 1 above

**Integrated Mitigation Project
Located Southwest of Briggs Road and Golden Jay Lane
In the french Valley Community
Project No. C7-0032**

CONTRACTOR QUESTIONS AND RESPONSES		
19	Question	The Proposal form for Base Bid Schedule B has item 16 Plant Establishment pre-typed at \$100,000. Can the value be changed (ie increased) by the Contractor?
	Response	Yes, however lower values will be increased to a minimum of \$100,000. See Revised Proposal and note page B4.
20	Question	Section 00-1.09A Progress Payment Restrictions reads "The contract (contractor?) shall not bid less than the amount shown below: Base Bid Schedule C: A. Plant Establishment Work (1250 WD)(5 years) \$100,000."
	Response	See Addendum No. 1 for correction made.
21	Question	Does Base Bid Schedule A Item 4 refer to installing the water supply line outlined in the plans section titled City of Menifee "Construction Plans for Irrigation Pipeline - Briggs Rd from Scott to Golden Jay Lane"? Additionally, how does the supply line described in that section of the plans relate to the supply line mentioned in the Integrated Mitigation Plans on sheet IP-6 as "connect to existing 3-inch potable water pipe line" or the item on same page that says "Existing 1.5-inch WM (potable) and 1.5-inch BPA located at SE corner of Scott Rd and Briggs Rd Eastern Municipal Water District"?
	Response	Refer to Develop Water Supply Section in Special Provisions for clarification.
22	Question	Is there an estimated Notice to Proceed or Starting Date for this project?
	Response	Notice to proceed will be issued after project award and acceptance of all contractors' submittals, approximately at the end of Summer or early Fall.
23	Question	Please confirm that a Street sweeper is required to per Specification Section 13-7.03D of the Project Specifications?
	Response	Refer to Special Provisions for Street Sweeping requirements and applicability.
24	Question	Please confirm that a street sweeper is required to be onsite during the Activities listen in 13-7.03D(5B) Operation? Will Sweeping by hand be acceptable during these activities as is stated in section 13-7.03D(5A) or will we be required to have a sweeper onsite sitting idle? The cost for having a street sweeper onsite sitting idle is extremely expensive.
	Response	Refer to Special Provisions for Street Sweeping requirements and applicability.
25	Question	Will there be a cost associated with the Worker Environmental Awareness program (WEAP) training outlined in the Last Paragraph of Section 14-2.02 Archeological Resources?
	Response	Refer to Special Provisions
26	Question	IMP Specs section 20-2.07B(2)(c) solar powered irrigation controllers has no specifics, however the plans state a solar powered irrigation controller is to be present. Can the County please provide further specification for the solar powered irrigation controller? Please note the irrigation section of the Standard Specs correlates to Sections 20-3 and there is not section 20-2.07.
	Response	Please refer to Note 3. on Sheet ISS-1 for controller specification.
27	Question	Please confirm that the 2010 Standard Specs for Caltrans are to be used on this project?
	Response	Yes, 2010 Standard Specs and amendments are applicable to this project.
28	Question	Please provide a bid item for the Drip Irrigation Emitters and pressure regulators.

**Integrated Mitigation Project
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Project No. C7-0032**

CONTRACTOR QUESTIONS AND RESPONSES		
	Response	Please see Section 20.2.09B(4) for direction regarding installing emitters if pre-installed in-line emitters are not shown. Please include the cost of the drip emitter assemblies in the LF cost for tubing. Drip Valve Assemblies must include Pressure regulator – see Section 20-2.11B(4).
29	Question	Please confirm if Moosa Creek Native Plant Nursery located in Valley Center will be accepted as a Local Source for plant material per section 6-2.04.
	Response	Yes, See Addendum No. 3
30	Question	Section 17-2.01 Develop Water Supply requires the contractor to provide, install, and maintain a temporary water line in accordance with the plans, “Integration Mitigation Project, Construction Plans for Irrigation Pipeline, Briggs Road from Scott Road to Golden Jay Lane.” Has any part of the scope of work included in the plan set previously been installed? If not, why is the Progress Payment Restriction (per section 00-1.09) such a low amount of money? Per the specification a maximum value of \$20,000 will be recognized for Develop Water Supply (Schedule A). This is a lot of work for 20K.
	Response	See response to Question 9 above.
31	Question	Is the contractor required to pay all water service fees for construction/installation and for irrigation during the 5-Year Plant Establishment period? If so, should the fees associated with water cost be included in Item No. 4, Develop Water Supply?
	Response	Yes, the contractor shall arrange water as specified in the Special provisions and Standard Specs.
32	Question	What is the purpose of the Scott Road Transmission Waterline Plan Sheet (sheet 37 of 37)? Is this an alternative connection for the temporary water line?
	Response	Sheet 37 shows the water supply line connection detail to the existing 24”PVC EMWD system. This is the only connection point for source of water.
33	Question	Per section 17-2.01 Develop Water Supply (Schedule A), the scope includes obtaining and submitting Permits, Licenses, Agreements, and Certifications required for the water system. Can the County please provide a list of specific Permits, Licenses, Agreements, and Certifications required for this work?
	Response	The permits required may include City of Menifee Encroachment Permits and Eastern Municipal Water District (EMWD) Application for Service (AFS).
34	Question	Will the County provide surveying for the following: a.Site boundary, grade control structure, and grading contour layout for the Briggs Road site (plan sheets 3-10) b.Line/Curve Data table layout for temporary water line (plan sheets 33 – 35) c.Site boundary for Clinton Keith Road site (adobe counter sheet 31 of 37)
	Response	Please refer to the Clinton-Keith Road On-Site Restoration and Enhancement Plans.
35	Question	Per section 00-1.09 A, \$100,000 is the minimum amount for Item No. 16 Plant Establishment Work. Also, the Bid Proposal includes \$100,000 as stipulated amount for this item. Since this is the minimum amount required, can the stipulated amount be removed from the Bid Proposal so the bidder can bid more for this item if needed?
	Response	See Revised Proposal

**Integrated Mitigation Project
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In the french Valley Community
Project No. C7-0032**

CONTRACTOR QUESTIONS AND RESPONSES		
36	Question	Per section 20-4.04, the percent of payments for Item 16, Plant Establishment Work [5-Years] is lowest in the initial 24 months of the maintenance period. The first 24 months of the period are the most critical to the success of the site and will require the highest level of effort from the contractor during the Plant Establishment Period. Can the payment schedule be revised accordingly to provide the contractor incentive to make the site successful? Or can section 20-4.04 be revised to state that the contractor can provide a breakdown by year for progress payment purposes after award of the contract?
	Response	No. Item 16 is meant to provide an additional incentive to meet the final plant establishment thresholds, and may not coincide with the actual costs incurred. The Contractor's workmanship will play a factor in the effort required to meet the coverage thresholds.
37	Question	According to section 14-6.01, a 120-day Plant Establishment Period will be required in addition to the five-year monitoring program. Is the contractor required to complete a 120-day Plant Establishment period prior to the start of the 5-year maintenance/establishment period? If so, in which bid item should the contractor include the additional cost for the 120-day Plant Establishment Period?
	Response	Yes, the 120-Day Plant Establishment period is separate from the 5-yr Maintenance/establishment period. The 120-day plant establishment must be completed prior to the start of the 5-year maintenance/establishment period, and the 120-day plant establishment is included in contract prices paid for various items of work involved, and no additional compensation will be allowed therefor.
38	Question	Is the Plant Establishment period for the Clinton Keith Road site only 90 days? Schedule D, Item Nos. 60 to 63 do not include a line item for the 5-year Plant Establishment. Also, where should the bidder include costs for weeding the Clinton Keith Road site during the Plant Establishment Period? Currently, a bid item does not exist.
	Response	The Plant Establishment period indicated applies to the entire project. Weed control during Plant Establishment is included in Roadside Clearing. Clearing and Grubbing.
39	Question	Per section 20-1.03D Cultivation, soil cultivation and application of soil amendments and fertilizer is required at the specified rates. Soil Amendments and Fertilizer material specifications in section 20-3.01B(3) and B(4) were "Not Used", so no specifications were provided. Also, typically soil amendments and fertilizers are not applied on habitat restoration projects in wetland/riparian areas. Additionally, a payment item for this work per 20-1.04 Payment, does not exist in the Bid Proposal. Can section 20-1.03D be deleted from the project specifications?
	Response	Please see Addendum No. 3 for revised Special Provisions.
40	Question	We are assuming that soil amendments and fertilizer will not require during container plant/cutting installation and/or during the Plant Establishment period since product specifications and application rates were not provided. Please confirm if we are correct. Provide product specs and application rates.
	Response	Yes, you are correct.
41	Question	Per section 19-2.03D, "If sufficient clay soils meeting these special provisions are not available onsite, the Contractor shall be responsible to obtain the necessary materials from suitable off-site locations." Would a change order be issued if it were necessary to procure the material from offsite locations? If not, will a soils report be provided so the contractor can determine if sufficient clay soils exist onsite?
	Response	See Response to question No. 6
42	Question	Is motorized vehicle access permitted to the Clinton Keith Road site? If so, where is the access path?

**Integrated Mitigation Project
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CONTRACTOR QUESTIONS AND RESPONSES		
	Response	Haul road routes were included in Addendum No. 1.
43	Question	Is motorized vehicle access permitted along the perimeter of the Briggs Road site during plant/hydroseed installation and the Plant Establishment period?
	Response	Haul road routes were included in Addendum No. 1.
44	Question	Please provide a geology or soils report for the project site? This would help provide accurate bid numbers and prevent construction delays.
	Response	See Response to Question No. 6 above.
45	Question	The plant quantities in Base Bid Schedule B items 12-15 do not match the quantities noted in the plans on sheet PL-1 of the Integrated Mitigation Project plans. Please clarify quantities.
	Response	See Revised Proposal, quantities are updated.
46	Question	The plant quantities in Base Bid Schedule C item 59 does not match the quantities noted in the plans on sheet C-1 of the Clinton Keith Rd Project plans. Please clarify quantities.
	Response	See Revised Proposal, quantities are updated.
47	Question	Base Bid Schedule B Item 30 calls for 2-inch gate valve but the plans call for a 3-inch gate valve, please clarify desired size
	Response	See Revised Proposal, correction made to show 3" Gat Valve.
48	Question	The plan sheet IQ-1 lists a total quantity for the drip emitter assembly however the Base Bid Schedule B does not have a bid item for this sprinkler type, please clarify which bid schedule item this cost should be associated with.
	Response	Please see Section 20.2.09B(4) for direction regarding installing emitters if pre-installed in-line emitters are not shown. Please include the cost of the drip emitter assemblies in the LF cost for tubing.
49	Question	The plan sheet IQ-1 and the Base Bid Schedule B Item 29 lists a riser gear driven sprinkler assembly however neither the specs nor the plans have a detail on the construction and materials required. Caltrans 2010 standard plans provide five design details for riser sprinklers. Please provide material and construction detail for this sprinkler style.
	Response	Please see Addendum No. 1.
50	Question	The project plans ID-1 identifies a metal tubular steel gate to be install but the Base Bid Schedule A Item 10 identifies a gate chain link, please clarify which gate style is to be installed.
	Response	See Revised Proposal, item deleted.
51	Question	Will the contractor be responsible for spreading 565 pounds of straw after hydroseeding and before hydromulching? The specs appear to indicate a three-step hydroseed process (hydroseed then straw then hydromulch) and the plans show a two-step hydroseed process (hydroseed then hydromulch). Please clarify which method is to be used for the bid.
	Response	Straw will not be applied.
52	Question	Per plan sheet X-2 "Seasonal Wetland Detail" clay and loam soil that is generated on site is to be placed into the seasonal wetlands. Will there be enough native material meeting the requirements in the specs (19-2.03 Selected Material) to place in all of the wetland areas or will the contractor need to import material?
	Response	See Response to Qquestion No. 6

**Integrated Mitigation Project
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CONTRACTOR QUESTIONS AND RESPONSES		
53	Question	Is there a geotechnical investigation for this project that can be made available to the contractors prior to the bid date?
	Response	See Response to Question No. 6
54	Question	The project site surface geology indicates large boulders scattered around the site. In the section 20-1.03 Cultivation, the specs state: "Remove rocks and debris as ordered. This work is change order work.". This appears to pertain to plant installation and not the creek and wetland grading. Will the contractor receive a change order if rocks are encountered?
	Response	Please see revised Special Provision Section 20-1.03.
55	Question	The City of Menifee Supply Line plans are from 2017. Have there been any improvements or changes to the Briggs Rd-Scott Rd intersection that are relevant to installing this supply line?
	Response	County is not aware of any changes.
56	Question	Provided the City of Menifee Supply Line plans are to be constructed under this bid, the City plans indicate a 2-inch supply line, however the IMP plans sheet IP-6 shows connection to a 3-inch line. Please clarify if the installed line along Briggs is to be 2-inch diameter or 3-inch diameter.
	Response	See Revised Plans issued by Addendum No.1
57	Question	Will the County employ a third party compliance company to monitor certified payroll reports? If so, can you tell us who that would be?
	Response	County will monitor internally
58	Question	Will the County possibly allow an electronic submission of the bid documents?
	Response	No. We do not currently have option for electronic submission of bids. Paper Sealed bids must be delivered to address shown in Notice to Bidders.
59	Question	There are several items of work shown on sheets 34 and 35 of 37 that have no pay items. Under which bid items do we get paid for these: a. 4" PVC Pipe (CN #2) b. Repair roadway (CN #13) c. Repair parkway (CN # 12) d. ¾" Meter (CN #8) e. Guard Posts (CN #10) f. 1" Backflow Preventer (CN #9) g. 1-1/2" Service (CN #3) h. 1-1/2" Threaded Copper Pipe Spool i. 4" Flanged RW Gate Valve j. 4" DI 90deg Bend (CN #5)
	Response	Refer to Addendum No. 3
60	Question	Please provide details and scope of work for Bid Schedules C & D. We cannot locate it in the documents.
	Response	An effort was made to provide construction notes that would cover the advertised scope of work, in conjunction with the applicable standard specifications and special provisions.
61	Question	The specs call for 6" topsoil stripping and replacement (19-2.03D). Does the 6" of topsoil go back on top of the design finish grades, or is the top elevation of the 6" topsoil supposed to be the design finish grade?
	Response	The top elevation of the 6" topsoil is the design finish grade.

**Integrated Mitigation Project
Located Southwest of Briggs Road and Golden Jay Lane
In the french Valley Community
Project No. C7-0032**

CONTRACTOR QUESTIONS AND RESPONSES		
62	Question	Sheet IP-6 shows a 3" Gate Valve at the POC to the potable water pipeline. Under which item does this get paid?
	Response	Refer to Revised Proposal item 30
63	Question	Please provide a detail for connection to the EMWD pipeline. Additionally, who will pay any EMWD fees for service and/or connection?
	Response	See Sheet 37. Refer to Spec 17-02.04 for updated payment clause
64	Question	Is new Item #50A (Addendum #1) meant to cover the Geotextile Filter Fabric referenced on Sheet C-1 in the ¼ Ton Riprap Detail?
	Response	Rock Slope Protection Fabric is intended to underlay gravel mulch at Staging Areas along 1) Briggs Rd and 2) Golden J Lane. The rock slope protection covers the payment for geotextile filter fabric for the ¼ Ton riprap detail.
65	Question	Under which item does the 6" Gravel Blanket (Sheet C-1) get paid?
	Response	The rock riprap, Gravel base and filter fabric are paid for as 1 item/cy. These items are covered under the price paid for Rock Slope Protection.
66	Question	What is the gradation for the 6" Gravel Blanket (Sheet C-1)?
	Response	Use Class 3 gradation from Caltrans Standard Specification, Section 25-1.02B.
67	Question	After discussing internally, would the County consider separating Line Item 7 into two lines -7a) Excavation (cut and fill grading) for xxxx CY -7b) Haul Off (Excess soil) for XXXx CY This would help reduce cost in the long term for the County by not having to incorporate haul off cost into the excavation work.
	Response	No. The excavation costs is inclusive of all applicable work.
68	Question	Line Item #7 Channel Excavation, plans are showing closer to 11,000 CY of excavation and export, where as you only have 5,036 CY listed
	Response	See Revised Proposal for quantities update
69	Question	Line Item 12 Plant (Group P), plans have 1565 plug style plants, where as the bid schedule only has 410 EA listed.
	Response	Refer to Revised Proposal for quantities update.
70	Question	Line Item 13 – Plant (Group A), plans have 1165 1-gal plants listed, where the bid schedule has 295 EA listed.
	Response	Refer to Revised Proposal for quantities update.
71	Question	Line Item 14 Plant (Group B), plans have 165 5-gal plants listed, where the bid schedule has 65 listed
	Response	Refer to Revised Proposal for quantities update
72	Question	There is no line item for Briggs road Cuttings called out on Revised Plans page PL-1 under sections Southern Willow Scrub, Sycamore riparian, seasonal wetland areas.
	Response	Refer to Revised Proposal item 59.
73	Question	Sheet PP-6 has three notes showing "GATE – SEE SHEET IP-6." One on Golden J Lane and two on Briggs Road. Sheet IP-6 only shows the one location on Golden J Lane. Where is the info for the two on Briggs Road?