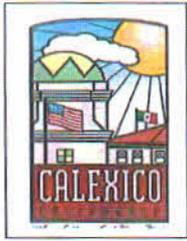


**AGENDA
ITEM**

8



AGENDA STAFF REPORT

DATE: June 3, 2020

TO: Mayor and City Council

APPROVED BY: David B. Dale, City Manager *DB*

PREPARED BY: Lilliana Falomir, Public Works Manager – Administrative *L Falomir*

SUBJECT: Award the Bid Proposal from A&R Construction in the amount of \$1,274,501.75 and Authorize City Manager to Sign Construction Agreement for 2nd Street, Dool Avenue and Beach Avenue Water Pipeline Replacement Project.

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Recommendation:

It is recommended that the City Council of the City of Calexico approve the following:

1. Award the Bid Proposal from A&R Construction in the amount of \$1,274,501.75 and Authorize City Manager to Sign Construction Agreement for 2nd Street, Dool Avenue and Beach Avenue Water Pipeline Replacement Project.

Background:

On March 2, 2020, the City of Calexico Public Works Department requested bids for 2nd Street, Dool Avenue and Beach Avenue Water Pipeline Replacement Project. The project will consist of the installation of a new 8 inch diameter water main pipeline along 2nd Street from Blair Avenue to Andrade Avenue. The project also includes the installation of 8 inch diameter water main pipelines along Dool Avenue and Beach Avenue between 2nd Street and 7th Street. The project also includes connecting existing water services and fire hydrants to the new water main pipelines.

Discussion & Analysis:

On April 30, 2020, the Office of the City Clerk received four (4):

	Company	Total
1	A&R Construction	\$1,274,501.75
2	Pyramid Construction & Aggregate, Inc.	\$1,905,888.00
3	Rove Engineering, Inc.	\$2,177,748.00
4	Granite Construction Company	\$2,319,695.75



After carefully reviewing all bid documentation from A&R Construction, Public Works Staff has found that they meet all required guidelines and are the lowest responsible bidder. For this reason, Public Works Staff is requesting City Council authorization to award the bid proposal and authorize the City Manager to sign an agreement with A&R Construction.

Fiscal Impact:

Capital Improvement Program – Budgeted Item for FY2019-2020

Water Enterprise Funds	<u>\$1,274,501.75</u>
Total	\$1,274,501.75

Coordinated With:

Public Works Department and Engineering Division.

Attachment(s):

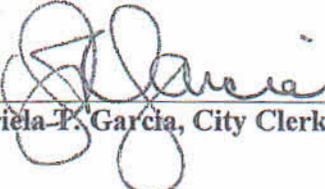
1. Bid Tabulation Sheets.
2. A&R Construction Bid Proposal.
3. Pyramid Construction & Aggregate, Inc. Proposal.
4. Rove Engineering, Inc. Bid Proposal.
5. Granite Construction Company Bid Proposal.
6. A&R Construction Agreement.
7. 2nd Street, Dool Avenue and Beach Avenue Water Pipeline Replacement Project Plans.

CITY OF CALEXICO
OFFICE OF THE CITY CLERK
BID TABULATION

BID Opening was conducted over Go-To-Meeting

Bid: 2nd Street, Dool Avenue and Beach Avenue Water Pipeline Replacement Project
Dept.: Public Works
Date: April 30, 2020
Time: 2:00p.m.
Location: Council Chambers, City Hall, 608 Heber Avenue, Calexico, CA

COMPANY	TOTAL
Rove Engineering, Inc.	\$ 2,177,748.00
A & R Construction	\$ 1,274,501.75
Pyramid Construction and Aggregates, Inc.	\$ 1,905,888.00
Granite Construction Company	\$ 2,319,695.75



Gabriela T. Garcia, City Clerk

April 30, 2020

Date

CITY OF CALEXICO
2ND STREET, DOOL AVENUE AND BEACH AVENUE WATER PIPELINE REPLACEMENT PROJECT
UNOFFICIAL BID RESULTS

Bid Opening: April 30, 2020
 Time: 2:00p.m.

Location: City Council Chambers, City Hall, 608 Heber Avenue, Calexico, CA

Item No.	Approximate Quantity	Unit	Description	Engineer's Estimate		A&R Construction		Pyramid Construction and Aggregates, Inc.		Reve Engineering, Inc.		Granite Construction Company	
				Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
1	1	LS	Mobilization	95,000.00	95,000.00	75,000.00	75,000.00	9,951.35	9,951.35	233,076.75	233,076.75	23,250.00	23,250.00
2	1	LS	Traffic Control and Construction Area Signs	35,000.00	35,000.00	20,000.00	20,000.00	43,200.00	43,200.00	25,000.00	25,000.00	17,500.00	17,500.00
3	1	LS	Potting of the Existing Underground Utilities and Pipelines	9,500.00	9,500.00	8,500.00	8,500.00	16,000.00	16,000.00	50,000.00	50,000.00	18,750.00	18,750.00
4	1	LS	Implementation of Erosion Control Plan and Installation Maintenance, and Removal of BMPs	12,000.00	12,000.00	7,500.00	7,500.00	14,000.00	14,000.00	8,500.00	8,500.00	14,700.00	14,700.00
5	1	LS	Construction Staking	16,700.00	16,700.00	9,500.00	9,500.00	10,000.00	10,000.00	16,000.00	16,000.00	34,525.00	34,525.00
6	1	LS	Geotechnical Testing	24,000.00	24,000.00	18,040.00	18,040.00	23,000.00	23,000.00	40,000.00	40,000.00	46,700.00	46,700.00
7	13800	LF	Sawcut Existing A.C. Pavement for the Full Depth of A.C. Pavement	0.65	8,970.00	1.00	13,800.00	5.00	69,000.00	4.50	62,100.00	0.05	690.00
8	1,920	SY	Remove and Dispose of Existing A.C. Pavement and Underlying Material	7.00	13,440.00	10.00	19,200.00	9.07	17,414.40	4.00	7,680.00	0.25	480.00
9	27,600	SF	Cold Plane Existing A.C. Pavement for a Thickness of 0.12 foot	0.60	16,560.00	1.10	30,360.00	1.00	27,600.00	5.00	138,000.00	2.20	60,720.00
10	170	LF	Sawcut Existing P.C.C. Concrete Curb and Gutter, Sidewalk, or Driveway for the Full Depth of Concrete	12.00	2,040.00	3.00	510.00	5.00	850.00	10.00	1,700.00	6.60	1,122.00
11	375	SF	Remove and Dispose of Existing P.C.C. Concrete and Underlying Material	7.50	2,812.50	2.45	918.75	13.55	5,081.25	6.35	2,381.25	18.25	6,843.75
12	6,950	LF	Furnish and Install New 8-inch Dia. AWWA C-900 DR 18 - Pressure Class 235 PVC Water Pipeline	65.00	451,750.00	54.54	379,053.00	47.14	327,633.00	70.00	486,500.00	60.50	420,475.00
13	10	EA	Install Utility Crossing per Detail "B" on Sheet 11. Include Pipe Bands, Appurtenances and Trench Shoring	8,500.00	85,000.00	2,400.00	24,000.00	10,500.00	105,000.00	5,300.00	53,000.00	15,230.00	152,300.00
14	120	LF	Furnish and Install New 6-inch Dia. AWWA C-900 DR 18 - Pressure Class 235 PVC Water Pipeline	65.00	7,800.00	30.00	3,600.00	60.00	7,200.00	45.00	5,400.00	206.00	24,720.00
15	135	LF	Furnish and Install New 2-inch Dia. Sch 80 PVC Water Pipeline	35.00	4,725.00	20.00	2,700.00	50.00	6,750.00	43.00	5,805.00	153.00	20,655.00
16	89	EA	Remove Existing Water Services and Install New Water Services from Existing Meters to New 8 Inch Water Line. Include, Pipe, Pipe Appurtenances and Fittings	1,400.00	124,600.00	1,600.00	142,400.00	3,300.00	293,700.00	3,750.00	333,750.00	6,160.00	548,240.00
17	8	EA	Cut and Connect Existing Fire Hydrant Water Line to New 8 Inch Water Line. Include 8 x 8 x 6 inch Tee, 6 Inch Gate Valve and Pipe Fittings	2,200.00	17,600.00	3,095.00	24,760.00	8,888.00	71,104.00	3,300.00	26,400.00	7,100.00	56,800.00
18	4	EA	Install Fire Hydrant Water Line to New 8 Inch Water Line. Include 8 x 8 x 6 inch Tee, 6 Inch Gate Valve and Pipe Fittings	7,500.00	30,000.00	7,650.00	30,600.00	15,510.00	62,000.00	9,500.00	38,000.00	14,400.00	57,600.00
19	55	EA	Furnish and Install New 8-Dia. Ductile Iron Resilient Wedge Gate Valve with Valve Cover and Riser	2,800.00	154,000.00	1,825.00	100,375.00	5,650.00	310,750.00	2,400.00	132,000.00	4,050.00	322,750.00

20	4	EA	Furnish and Install New 6-Dia. Ductile Iron Resilient Wedge Gate Valve with Valve Cover and Riser	1,750.00	7,000.00	1,350.00	5,400.00	5,250.00	21,000.00	2,225.00	8,900.00	3,268.00	13,072.00
21	2	EA	Furnish and Install New 2-Dia. Ductile Iron Resilient Wedge Gate Valve with Valve Cover and Riser	1,400.00	2,800.00	1,100.00	2,200.00	3,000.00	6,000.00	2,000.00	4,000.00	2,285.00	4,570.00
22	10	EA	Furnish and Install New 8-Inch x 8-Inch x 8-Inch x 8-Inch Dia. Epoxy-Coated Ductile Iron Cross	2,900.00	29,000.00	699.50	6,995.00	1,200.00	12,000.00	2,500.00	25,000.00	1,487.00	14,870.00
23	2	EA	Furnish and Install New 8-Inch x 6-Inch x 8-Inch x 6-Inch Dia. Epoxy-Coated Ductile Iron Cross	2,500.00	5,000.00	699.50	1,399.00	2,000.00	4,000.00	2,400.00	4,800.00	1,451.00	2,902.00
24	3	EA	Furnish and Install New 8-Inch x 8-Inch x 8-Inch x 8-Inch Dia. Epoxy-Coated Ductile Iron Tee	2,300.00	6,600.00	688.75	2,057.25	1,500.00	4,500.00	1,880.00	5,640.00	1,547.00	4,641.00
25	2	EA	Furnish and Install New 8-Inch x 8-Inch x 2-Inch Dia. Ductile Iron Reducing Tee	1,950.00	3,900.00	1,325.00	2,650.00	2,000.00	4,000.00	1,790.00	3,580.00	1,880.00	3,760.00
26	4	EA	Furnish and Install New 12-Inch x 8-Inch Ductile Iron Epoxy-Coated Reducer with Restrained Joint Fittings	2,400.00	9,600.00	750.00	3,000.00	3,750.00	15,000.00	1,690.00	6,760.00	1,558.00	6,232.00
27	13	EA	Furnish and Install New 8-Inch x 6-Inch Ductile Iron Epoxy-Coated Reducer with Restrained Joint Fittings	1,700.00	22,100.00	725.00	9,425.00	1,500.00	19,500.00	1,625.00	21,125.00	1,205.00	15,665.00
28	4	EA	Furnish and Install New 8-Inch x 4-Inch Ductile Iron Epoxy-Coated Reducer with Restrained Joint Fittings	1,600.00	6,400.00	500.00	2,000.00	2,500.00	10,000.00	1,580.00	6,320.00	918.00	3,672.00
29	4	EA	Furnish and Install New 6-Inch x 2-Inch Ductile Iron Epoxy-Coated Reducer with Restrained Joint Fittings	950.00	3,800.00	595.00	3,980.00	1,500.00	6,000.00	1,495.00	5,980.00	998.00	3,992.00
30	2	EA	Furnish and Install New 2-Inch Dia. Epoxy-Coated Ductile Iron Transition Coupling Adapter with Stainless Steel Hardware	650.00	1,300.00	350.00	700.00	1,025.00	2,050.00	900.00	1,800.00	151.00	302.00
31	46	EA	Furnish and Install New 8-Inch Dia. Ductile Iron Epoxy-Coated 45-Degree Elbow and Thrust Blocks	1,100.00	50,600.00	450.00	20,700.00	1,250.00	57,500.00	1,085.00	49,910.00	873.00	40,158.00
32	8	EA	Furnish and Install New 6-Inch Dia. Ductile Iron Epoxy-Coated 45-Degree Elbow and Thrust Blocks	900.00	7,200.00	360.00	2,880.00	5,800.00	46,400.00	750.00	6,000.00	777.00	6,216.00
33	4	EA	Furnish and Install New 2-Inch Dia. Ductile Iron Epoxy-Coated 45-Degree Elbow and Thrust Blocks	390.00	1,560.00	200.00	800.00	50.00	200.00	680.00	2,720.00	477.00	1,908.00
34	10	EA	Furnish and Install Air Release Valves	2,500.00	25,000.00	3,375.00	33,750.00	5,800.00	58,000.00	4,800.00	48,000.00	8,208.00	82,080.00
35	10	EA	Furnish and Install New Blow-Off Assembly	2,400.00	24,000.00	3,425.00	34,250.00	3,600.00	36,000.00	4,500.00	45,000.00	3,696.00	36,960.00
36	1	LS	Contractor to Complete Hydrostatic Pressure Testing	16,500.00	16,500.00	5,000.00	5,000.00	5,000.00	5,000.00	16,500.00	16,500.00	7,168.00	7,168.00
37	1	LS	Contractor to Complete Disinfection of the New Pipeline	13,200.00	13,200.00	4,500.00	4,500.00	4,000.00	4,000.00	13,500.00	13,500.00	24,720.00	24,720.00
38	560	TON	Install A.C. Pavement	180.00	100,800.00	278.00	155,680.00	160.00	89,600.00	300.00	168,000.00	191.00	106,960.00
39	500	CY	Install Class II Base	52.00	26,000.00	77.50	38,750.00	65.00	32,500.00	80.00	40,000.00	242.00	121,000.00
40	175	SF	Install Concrete Cross Gutter, Class II Base and Subgrade Preparation	25.00	4,375.00	11.25	1,968.75	83.00	14,525.00	25.00	4,375.00	39.00	6,825.00
41	32	LF	Install Concrete Curb and Gutter, Class II Base and Subgrade Preparation	45.00	1,440.00	50.00	1,600.00	250.00	8,000.00	85.00	2,720.00	306.00	9,792.00
42	150	SF	Install Concrete Sidewalk, Class II Base and Subgrade Preparation	22.00	3,300.00	10.50	1,575.00	99.00	13,950.00	7.50	1,125.00	103.00	15,450.00
43	6900	LF	Gross Abandonment of Water Main Line	12.00	82,800.00	3.25	22,425.00	2.31	15,939.00	3.00	20,700.00	8.40	57,960.00
				1,565,772.50	1,274,501.75	1,905,888.00	2,177,748.00	2,319,695.75					

PROPOSAL BID FORM

TO THE PUBLIC WORKS DIRECTOR/CITY MANAGER OF THE CITY OF CALEXICO:

The undersigned hereby declares that he has carefully examined the location of the proposed work that he has examined the plans and specifications and read the accompanying instructions to bidders and hereby proposes to furnish all material except owner furnished materials, and do all work required to complete the said work in accordance with said plans and specifications and special provisions for the unit prices set forth in the following schedule. The bidder shall furnish prices for all items shown in the proposal.

NAME OF COMPANY: A+R CONSTRUCTION

2ND STREET, DOOL AVE. AND BEACH AVE. WATER PIPELINE REPLACEMENT PROJECT

ITEM	QUANTITY	UNIT	ITEM	UNIT COST	AMOUNT
1	1	LS	Mobilization of equipment and material, Performance Bond, Payment Bond, General Liability Insurance, Workman's Compensation Insurance, Construction water, freight, project signs, Air pollution control district requirements and fees, Restroom Facilities, Vehicle Insurance, Taxes, Permits, City of Calexico Business license, and Similar expenses and other costs not specifically addressed within this bid item list.	\$ 75,000	\$ 75,000
2	1	LS	Implementation of Traffic Control Plans and Construction Area Signs	\$ 20,000	\$ 20,000
3	1	LS	Potholing of the Existing Underground Utilities and Pipelines as indicated on Improvement Plans.	\$ 8500	\$ 8500
4	1	LS	Implementation of Erosion Control Plan and Installation Maintenance, and Removal of BMPs per Improvement Plans. Preparation and Implementation of Dust Control Plan and APCD permit.	\$ 7500	\$ 7500
5	1	LS	Construction Staking per Specifications	\$ 9500	\$ 9500
6	1	LS	Geotechnical Testing	\$ 18,040	\$ 18,040
7	13,800	LF	Sawcut Existing A.C. Pavement for the Full Depth of A.C. Pavement per Demolition Keynote 1.	\$ 1.00	\$ 13,800
8	1,920	SY	Remove and Dispose of Existing A.C. Pavement And Underlying Material per Demolition Keynote 1.	\$ 10.00	\$ 19,200

9	27,600	SF	Cold Plane Existing A.C. Pavement for a Thickness of 0.12 foot per Demolition Keynote 2.	\$ 1.10	\$ 30,360
10	170	LF	Sawcut Existing P.C.C. Concrete Curb and Gutter, Sidewalk, or Driveway for the Full Depth of Concrete per Demolition Keynote 3	\$ 3.00	\$ 510
11	375	SF	Remove and Dispose of Existing P.C.C. Concrete and Underlying Material per Demolition Keynote 3.	\$ 2.45	\$ 918.75
12	6,950	LF	Furnish and Install New 8-inch Dia. AWWA C-900 DR 18 - Pressure Class 235 PVC Water Pipeline per Detail A Sheet 11, Including Native Material Backfill, Pipe Bedding Sand, Compaction and Disposal of Excessive Native Material. Include All Connections to Existing Water Lines.	\$ 54.54	\$ 379,053
13	10	EA	Install Utility Crossing per Detail "B" on Sheet 11. Include Pipe Bends, Appurtenances and Trench Shoring	\$ 2400	\$ 24,000
14	120	LF	Furnish and Install New 6-inch Dia. AWWA C-900 DR 18 - Pressure Class 235 PVC Water Pipeline Per Detail A Sheet 11, Including Native Material Backfill, Pipe Bedding Sand, Compaction and Disposal of Excessive Native Material.	\$ 30.00	\$ 3600
15	135	LF	Furnish and Install New 2-inch Dia. Sch 80 PVC Water Pipeline Including Native Material Backfill, Compaction and Disposal of Excessive Native Material.	\$ 20.00	\$ 2700
16	89	EA	Remove Existing Water Services and Install New Water Services from Existing Meters to New 8 Inch Water Line, Include, Pipe, Pipe Appurtenances and Fittings per Detail "L" Sheet 10. Include Trench Backfill, Concrete Sidewalk and Curb and Gutter Removal and Reconstruction as Needed.	\$ 1600	\$ 142,400
17	8	EA	Cut and Connect Existing Fire Hydrant Water Line to New 8 Inch Water Line, Include 8 x 8 x 6 inch Tee, 6 Inch Gate Valve and Pipe Fittings per Detail "K" Sheet 10. Include Trench Backfill, Concrete Sidewalk and Curb and Gutter Removal and Reconstruction as Needed.	\$ 3095	\$ 24,760

18	4	EA	Install Fire Hydrant Water Line to New 8 Inch Water Line, Include 8 x 8 x 6 inch Tee, 6 Inch Gate Valve and Pipe Fittings per Detail "K" Sheet 10. Include Trench Backfill, Concrete Sidewalk and Curb and Gutter Removal and Reconstruction as Needed.	\$ 7650	\$ 30,600
19	55	EA	Furnish and Install New 8-Dia. Ductile Iron Resilient Wedge Gate Valve with Valve Cover and Riser Per Construction Note 4.	\$ 1825	\$ 100,375
20	4	EA	Furnish and Install New 6-Dia. Ductile Iron Resilient Wedge Gate Valve with Valve Cover and Riser Per Construction Note 29.	\$ 1350	\$ 5400
21	2	EA	Furnish and Install New 2-Dia. Ductile Iron Resilient Wedge Gate Valve with Valve Cover and Riser.	\$ 1100	\$ 2200
22	10	EA	Furnish and Install New 8-Inch x 8-Inch x 8-Inch x 8-Inch Dia. Epoxy-Coated Ductile Iron Cross Per Construction Note 6.	\$ 699.50	\$ 6995
23	2	EA	Furnish and Install New 8-Inch x 6-Inch x 8-Inch x 6-Inch Dia. Epoxy-Coated Ductile Iron Cross Per Construction Note 28.	\$ 699.50	\$ 1399
24	3	EA	Furnish and Install New 8-Inch x 8-Inch x 8-Inch Dia. Epoxy-Coated Ductile Iron Tee Per Construction Note 21.	\$ 685.75	\$ 2057.25
25	2	EA	Furnish and Install New 8-Inch x 8-Inch x 2-Inch Dia. Ductile Iron Reducing Tee Per Construction Note 22.	\$ 1325	\$ 2650
26	4	EA	Furnish and Install New 12-inch x 8-inch Ductile Iron Epoxy-Coated Reducer with Restrained Joint Fittings Per Construction Note 8.	\$ 750	\$ 3000
27	13	EA	Furnish and Install New 8-inch x 6-inch Ductile Iron Epoxy-Coated Reducer with Restrained Joint Fittings Per Construction Note 3.	\$ 725	\$ 9425
28	4	EA	Furnish and Install New 8-inch x 4-inch Ductile Iron Epoxy-Coated Reducer with Restrained Joint Fittings Per Construction Note 19.	\$ 500	\$ 2000
29	4	EA	Furnish and Install New 6-inch x 2-inch Ductile Iron Epoxy-Coated Reducer with Restrained Joint Fittings Per Construction Note 31.	\$ 995	\$ 3980

30	2	EA	Furnish and Install New 2-Inch Dia. Epoxy-Coated Ductile Iron Transition Coupling Adapter with Stainless Steel Hardware	\$ 350	\$ 700
31	46	EA	Furnish and Install New 8-Inch Dia. Ductile Iron Epoxy-Coated 45-Degree Elbow and Thrust Blocks Per Construction Note 5.	\$ 450	\$ 20,700
32	8	EA	Furnish and Install New 6-Inch Dia. Ductile Iron Epoxy-Coated 45-Degree Elbow and Thrust Blocks	\$ 360	\$ 2880
33	4	EA	Furnish and Install New 2-Inch Dia. Ductile Iron Epoxy-Coated 45-Degree Elbow and Thrust Blocks	\$ 200	\$ 800
34	10	EA	Furnish and Install Air Release Valves	\$ 3375	\$ 33,750
35	10	EA	Furnish and Install New Blow-Off Assembly	\$ 3425	\$ 34,250
36	1	LS	Contractor to Complete Hydrostatic Pressure Testing per Specifications.	\$ 5000	\$ 5000
37	1	LS	Contractor to Complete Disinfection of the New Pipeline per Specifications	\$ 4500	\$ 4500
38	560	TON	Install A.C. Pavement Per Construction Keynote No. 11.	\$ 278	\$ 155,680
39	500	CY	Install Class II Base Per Construction Keynote No. 11.	\$ 77.50	\$ 38,750
40	175	SF	Install Concrete Cross Gutter, Class II Base and Subgrade Preparation.	\$ 11.25	\$ 1968.75
41	32	LF	Install Concrete Curb and Gutter, Class II Base and Subgrade Preparation.	\$ 50.00	\$ 1600
42	150	SF	Install Concrete Sidewalks, Class II Base and Subgrade Preparation.	\$ 10.50	\$ 1575
43	6,900	LF	Grout Abandonment of Water Main Line per Specification Section 02700.	\$ 3.25	\$ 22,425

2nd Street, Dool Ave. and Beach Ave. Water Pipeline Replacement Project:

Total Bid: 1,274,501.75

2nd Street, Dool Ave. and Beach Ave. Water Pipeline Replacement Project:

Total Bid Price Written in words: one million two hundred seventy four thousand five hundred one dollars & seventy five cents

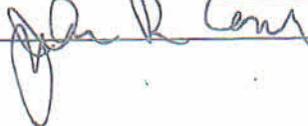
1.00 – The undersigned hereby acknowledges the receipt of the following addendum:

None _____; No. 1 ; No. 2 ; No. 3 _____; No. 4 _____; No. 5 _____

2.00 – The undersign hereby certifies that this proposal/bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation.

3.00 – The undersigned hereby accepts on the behalf of his firm all provisions and requirements of the contract documents, including but not limited to those related to time of completion and liquidated damages.

4.00 – The undersigned hereby certifies that they are authorized representative of the firm on whose behalf this proposal/bid is submitted and that they are acting at the direction and with the required approval of said firm, which is identified as follows:

Name of firm: A+R CONSTRUCTION
Address of firm: 1631 River Drive Brawley Ca 92227
Telephone number: (760) 3444653 Fax number: (760) 3444146
Contractor's license number: 787760 Type: A
Signed:  Date: 4-29-20

END OF PROPOSAL/BID FORM

PROPOSAL BID FORM

TO THE PUBLIC WORKS DIRECTOR/CITY MANAGER OF THE CITY OF CALEXICO:

The undersigned hereby declares that he has carefully examined the location of the proposed work that he has examined the plans and specifications and read the accompanying instructions to bidders and hereby proposes to furnish all material except owner furnished materials, and do all work required to complete the said work in accordance with said plans and specifications and special provisions for the unit prices set forth in the following schedule. The bidder shall furnish prices for all items shown in the proposal.

NAME OF COMPANY: Pyramid Construction and Aggregates, Inc.

2ND STREET, DOOL AVE. AND BEACH AVE. WATER PIPELINE REPLACEMENT PROJECT

ITEM	QUANTITY	UNIT	ITEM	UNIT COST	AMOUNT
1	1	LS	Mobilization of equipment and material, Performance Bond, Payment Bond, General Liability Insurance, Workman's Compensation Insurance, Construction water, freight, project signs, Air pollution control district requirements and fees, Restroom Facilities, Vehicle Insurance, Taxes, Permits, City of Calexico Business license, and Similar expenses and other costs not specifically addressed within this bid item list.	\$ 9,951.35	\$ 9,951.35
2	1	LS	Implementation of Traffic Control Plans and Construction Area Signs	\$ 43,200.00	\$ 43,200.00
3	1	LS	Potholing of the Existing Underground Utilities and Pipelines as indicated on Improvement Plans.	\$ 16,000.00	\$ 16,000.00
4	1	LS	Implementation of Erosion Control Plan and Installation Maintenance, and Removal of BMPs per Improvement Plans. Preparation and Implementation of Dust Control Plan and APCD permit.	\$ 14,000.00	\$ 14,000.00
5	1	LS	Construction Staking per Specifications	\$ 10,000.00	\$ 10,000.00
6	1	LS	Geotechnical Testing	\$ 23,000.00	\$ 23,000.00
7	13,800	LF	Sawcut Existing A.C. Pavement for the Full Depth of A.C. Pavement per Demolition Keynote 1.	\$ 5.00	\$ 69,000.00
8	1,920	SY	Remove and Dispose of Existing A.C. Pavement And Underlying Material per Demolition Keynote 1.	\$ 9.07	\$ 17,414.40

9	27,600	SF	Cold Plane Existing A.C. Pavement for a Thickness of 0.12 foot per Demolition Keynote 2.	\$ 1.00	\$ 27,600.00
10	170	LF	Sawcut Existing P.C.C. Concrete Curb and Gutter, Sidewalk, or Driveway for the Full Depth of Concrete per Demolition Keynote 3	\$ 5.00	\$ 850.00
11	375	SF	Remove and Dispose of Existing P.C.C. Concrete and Underlying Material per Demolition Keynote 3.	\$ 13.55	\$ 5,081.25
12	6,950	LF	Furnish and Install New 8-inch Dia. AWWA C-900 DR 18 - Pressure Class 235 PVC Water Pipeline per Detail A Sheet 11, Including Native Material Backfill, Pipe Bedding Sand, Compaction and Disposal of Excessive Native Material. Include All Connections to Existing Water Lines.	\$ 47.14	\$ 327,623.00
13	10	EA	Install Utility Crossing per Detail "B" on Sheet 11. Include Pipe Bends, Appurtenances and Trench Shoring	\$ 10,500.00	\$ 105,000.00
14	120	LF	Furnish and Install New 6-inch Dia. AWWA C-900 DR 18 - Pressure Class 235 PVC Water Pipeline Per Detail A Sheet 11, Including Native Material Backfill, Pipe Bedding Sand, Compaction and Disposal of Excessive Native Material.	\$ 60.00	\$ 7,200.00
15	135	LF	Furnish and Install New 2-inch Dia. Sch 80 PVC Water Pipeline Including Native Material Backfill, Compaction and Disposal of Excessive Native Material.	\$ 50.00	\$ 6,750.00
16	89	EA	Remove Existing Water Services and Install New Water Services from Existing Meters to New 8 Inch Water Line, Include, Pipe, Pipe Appurtenances and Fittings per Detail "L" Sheet 10. Include Trench Backfill, Concrete Sidewalk and Curb and Gutter Removal and Reconstruction as Needed.	\$ 3,300.00	\$ 293,700.00
17	8	EA	Cut and Connect Existing Fire Hydrant Water Line to New 8 Inch Water Line, Include 8 x 8 x 6 inch Tee, 6 Inch Gate Valve and Pipe Fittings per Detail "K" Sheet 10. Include Trench Backfill, Concrete Sidewalk and Curb and Gutter Removal and Reconstruction as Needed.	\$ 8,888.00	\$ 71,104.00

18	4	EA	Install Fire Hydrant Water Line to New 8 Inch Water Line, Include 8 x 8 x 6 Inch Tee, 6 Inch Gate Valve and Pipe Fittings per Detail "K" Sheet 10. Include Trench Backfill, Concrete Sidewalk and Curb and Gutter Removal and Reconstruction as Needed.	\$	\$
				15,500	62,000.00
19	55	EA	Furnish and Install New 8-Dia. Ductile Iron Resilient Wedge Gate Valve with Valve Cover and Riser Per Construction Note 4.	\$	\$
				5,650.00	310,750.00
20	4	EA	Furnish and Install New 6-Dia. Ductile Iron Resilient Wedge Gate Valve with Valve Cover and Riser Per Construction Note 29.	\$	\$
				5,250.00	21,000.00
21	2	EA	Furnish and Install New 2-Dia. Ductile Iron Resilient Wedge Gate Valve with Valve Cover and Riser.	\$	\$
				3,000.00	6,000.00
22	10	EA	Furnish and Install New 8-Inch x 8-Inch x 8-Inch x 8-Inch Dia. Epoxy-Coated Ductile Iron Cross Per Construction Note 6.	\$	\$
				1,200.00	12,000.00
23	2	EA	Furnish and Install New 8-Inch x 6-Inch x 8-Inch x 6-Inch Dia. Epoxy-Coated Ductile Iron Cross Per Construction Note 28.	\$	\$
				2,000.00	4,000.00
24	3	EA	Furnish and Install New 8-Inch x 8-Inch x 8-Inch Dia. Epoxy-Coated Ductile Iron Tee Per Construction Note 21.	\$	\$
				1,500.00	4,500.00
25	2	EA	Furnish and Install New 8-Inch x 8-Inch x 2-Inch Dia. Ductile Iron Reducing Tee Per Construction Note 22.	\$	\$
				2,000.00	4,000.00
26	4	EA	Furnish and Install New 12-inch x 8-inch Ductile Iron Epoxy-Coated Reducer with Restrained Joint Fittings Per Construction Note 8.	\$	\$
				3,750.00	15,000.00
27	13	EA	Furnish and Install New 8-inch x 6-inch Ductile Iron Epoxy-Coated Reducer with Restrained Joint Fittings Per Construction Note 3.	\$	\$
				1,500.00	19,500.00
28	4	EA	Furnish and Install New 8-inch x 4-inch Ductile Iron Epoxy-Coated Reducer with Restrained Joint Fittings Per Construction Note 19.	\$	\$
				2,500.00	10,000.00
29	4	EA	Furnish and Install New 6-inch x 2-inch Ductile Iron Epoxy-Coated Reducer with Restrained Joint Fittings Per Construction Note 31.	\$	\$
				1,500.00	6,000.00

30	2	EA	Furnish and Install New 2-Inch Dia. Epoxy-Coated Ductile Iron Transition Coupling Adapter with Stainless Steel Hardware	\$ 1,025.00	\$ 2,050.00
31	46	EA	Furnish and Install New 8-Inch Dia. Ductile Iron Epoxy-Coated 45-Degree Elbow and Thrust Blocks Per Construction Note 5.	\$ 1,250.00	\$ 57,500.00
32	8	EA	Furnish and Install New 6-Inch Dia. Ductile Iron Epoxy-Coated 45-Degree Elbow and Thrust Blocks	\$ 5,800.00	\$ 46,400.00
33	4	EA	Furnish and Install New 2-Inch Dia. Ductile Iron Epoxy-Coated 45-Degree Elbow and Thrust Blocks	\$ 50.00	\$ 200.00
34	10	EA	Furnish and Install Air Release Valves	\$ 5,800.00	\$ 58,000.00
35	10	EA	Furnish and Install New Blow-Off Assembly	\$ 3,600.00	\$ 36,000.00
36	1	LS	Contractor to Complete Hydrostatic Pressure Testing per Specifications.	\$ 5,000.00	\$ 5,000.00
37	1	LS	Contractor to Complete Disinfection of the New Pipeline per Specifications	\$ 4,000.00	\$ 4,000.00
38	560	TON	Install A.C. Pavement Per Construction Keynote No. 11.	\$ 160.00	\$ 89,600.00
39	500	CY	Install Class II Base Per Construction Keynote No. 11.	\$ 65.00	\$ 32,500.00
40	175	SF	Install Concrete Cross Gutter, Class II Base and Subgrade Preparation.	\$ 83.00	\$ 14,525.00
41	32	LF	Install Concrete Curb and Gutter, Class II Base and Subgrade Preparation.	\$ 250.00	\$ 8,000.00
42	150	SF	Install Concrete Sidewalks, Class II Base and Subgrade Preparation.	\$ 93.00	\$ 13,950.00
43	6,900	LF	Grout Abandonment of Water Main Line per Specification Section 02700.	\$ 2.31	\$ 15,939.00

2nd Street, Dool Ave. and Beach Ave. Water Pipeline Replacement Project:

Total Bid: 1,905,888.00

2nd Street, Dool Ave. and Beach Ave. Water Pipeline Replacement Project:

Total Bid Price Written in words: One million, nine hundred five thousand, eight hundred eighty-eight dollars and zero cents

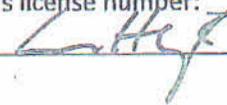
1.00 – The undersigned hereby acknowledges the receipt of the following addendum:

None _____; No. 1 X; No. 2 X; No. 3 _____; No. 4 _____; No. 5 _____

2.00 – The undersign hereby certifies that this proposal/bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation.

3.00 – The undersigned hereby accepts on the behalf of his firm all provisions and requirements of the contract documents, including but not limited to those related to time of completion and liquidated damages.

4.00 – The undersigned hereby certifies that they are authorized representative of the firm on whose behalf this proposal/bid is submitted and that they are acting at the direction and with the required approval of said firm, which is identified as follows:

Name of firm: Pyramid Construction and Aggregates, Inc.
Address of firm: 839 Dogwood Road, Heber CA 92249
Telephone number: (760 337-5839 Fax number: (760-337-5993
Contractor's license number: 866533 Type: A
Signed:  Date: 4/30/20

END OF PROPOSAL/BID FORM

PROPOSAL BID FORM

TO THE PUBLIC WORKS DIRECTOR/CITY MANAGER OF THE CITY OF CALEXICO:

The undersigned hereby declares that he has carefully examined the location of the proposed work that he has examined the plans and specifications and read the accompanying instructions to bidders and hereby proposes to furnish all material except owner furnished materials, and do all work required to complete the said work in accordance with said plans and specifications and special provisions for the unit prices set forth in the following schedule. The bidder shall furnish prices for all items shown in the proposal.

NAME OF COMPANY: Rave Engineering Inc

2ND STREET, DOOL AVE. AND BEACH AVE. WATER PIPELINE REPLACEMENT PROJECT

ITEM	QUANTITY	UNIT	ITEM	UNIT COST	AMOUNT
1	1	LS	Mobilization of equipment and material, Performance Bond, Payment Bond, General Liability Insurance, Workman's Compensation Insurance, Construction water, freight, project signs, Air pollution control district requirements and fees, Restroom Facilities, Vehicle Insurance, Taxes, Permits, City of Calexico Business license, and Similar expenses and other costs not specifically addressed within this bid item list.	\$ 233,076. ⁷⁵	\$ 233,076. ⁷⁵
2	1	LS	Implementation of Traffic Control Plans and Construction Area Signs	\$ 25,000. ⁰⁰	\$ 25,000. ⁰⁰
3	1	LS	Potholing of the Existing Underground Utilities and Pipelines as indicated on Improvement Plans.	\$ 50,000. ⁰⁰	\$ 50,000. ⁰⁰
4	1	LS	Implementation of Erosion Control Plan and Installation Maintenance, and Removal of BMPs per Improvement Plans. Preparation and Implementation of Dust Control Plan and APCD permit.	\$ 8,500. ⁰⁰	\$ 8,500. ⁰⁰
5	1	LS	Construction Staking per Specifications	\$ 16,000. ⁰⁰	\$ 16,000. ⁰⁰
6	1	LS	Geotechnical Testing	\$ 40,000. ⁰⁰	\$ 40,000. ⁰⁰
7	13,800	LF	Sawcut Existing A.C. Pavement for the Full Depth of A.C. Pavement per Demolition Keynote 1.	\$ 4. ⁵⁰	\$ 62,100. ⁰⁰
8	1,920	SY	Remove and Dispose of Existing A.C. Pavement And Underlying Material per Demolition Keynote 1.	\$ 4. ⁰⁰	\$ 7680. ⁰⁰

9	27,600	SF	Cold Plane Existing A.C. Pavement for a Thickness of 0.12 foot per Demolition Keynote 2.	\$ 5.00 ⁰⁰	\$ 1,380,000 ⁰⁰
10	170	LF	Sawcut Existing P.C.C. Concrete Curb and Gutter, Sidewalk, or Driveway for the Full Depth of Concrete per Demolition Keynote 3	\$ 10 ⁰⁰	\$ 1,700 ⁰⁰
11	375	SF	Remove and Dispose of Existing P.C.C. Concrete and Underlying Material per Demolition Keynote 3.	\$ 6.33	\$ 2,381 ³³
12	6,950	LF	Furnish and Install New 8-inch Dia. AWWA C-900 DR 18 - Pressure Class 235 PVC Water Pipeline per Detail A Sheet 11, Including Native Material Backfill, Pipe Bedding Sand, Compaction and Disposal of Excessive Native Material. Include All Connections to Existing Water Lines.	\$ 70 ⁰⁰	\$ 486,500 ⁰⁰
13	10	EA	Install Utility Crossing per Detail "B" on Sheet 11. Include Pipe Bends, Appurtenances and Trench Shoring	\$ 5,300 ⁰⁰	\$ 53,000 ⁰⁰
14	120	LF	Furnish and Install New 6-inch Dia. AWWA C-900 DR 18 - Pressure Class 235 PVC Water Pipeline Per Detail A Sheet 11, Including Native Material Backfill, Pipe Bedding Sand, Compaction and Disposal of Excessive Native Material.	\$ 45 ⁰⁰	\$ 5,400 ⁰⁰
15	135	LF	Furnish and Install New 2-inch Dia. Sch 80 PVC Water Pipeline Including Native Material Backfill, Compaction and Disposal of Excessive Native Material.	\$ 43 ⁰⁰	\$ 5,805 ⁰⁰
16	89	EA	Remove Existing Water Services and Install New Water Services from Existing Meters to New 8 Inch Water Line, Include, Pipe, Pipe Appurtenances and Fittings per Detail "L" Sheet 10. Include Trench Backfill, Concrete Sidewalk and Curb and Gutter Removal and Reconstruction as Needed.	\$ 3,750	\$ 333,750 ⁰⁰
17	8	EA	Cut and Connect Existing Fire Hydrant Water Line to New 8 Inch Water Line, Include 8 x 8 x 6 inch Tee, 6 Inch Gate Valve and Pipe Fittings per Detail "K" Sheet 10. Include Trench Backfill, Concrete Sidewalk and Curb and Gutter Removal and Reconstruction as Needed.	\$ 3,300 ⁰⁰	\$ 26,400 ⁰⁰

18	4	EA	Install Fire Hydrant Water Line to New 8 Inch Water Line, Include 8 x 8 x 6 Inch Tee, 6 Inch Gate Valve and Pipe Fittings per Detail "K" Sheet 10. Include Trench Backfill, Concrete Sidewalk and Curb and Gutter Removal and Reconstruction as Needed.	\$ 9,500 ⁰⁰	\$ 38,000 ⁰⁰
19	55	EA	Furnish and Install New 8-Dia. Ductile Iron Resilient Wedge Gate Valve with Valve Cover and Riser Per Construction Note 4.	\$ 2,400 ⁰⁰	\$ 132,000 ⁰⁰
20	4	EA	Furnish and Install New 6-Dia. Ductile Iron Resilient Wedge Gate Valve with Valve Cover and Riser Per Construction Note 29.	\$ 2,225 ⁰⁰	\$ 8,900 ⁰⁰
21	2	EA	Furnish and Install New 2-Dia. Ductile Iron Resilient Wedge Gate Valve with Valve Cover and Riser.	\$ 2,000 ⁰⁰	\$ 4,000 ⁰⁰
22	10	EA	Furnish and Install New 8-Inch x 8-Inch x 8-Inch x 8-Inch Dia. Epoxy-Coated Ductile Iron Cross Per Construction Note 6.	\$ 2,500 ⁰⁰	\$ 25,000 ⁰⁰
23	2	EA	Furnish and Install New 8-Inch x 6-Inch x 8-Inch x 6-Inch Dia. Epoxy-Coated Ductile Iron Cross Per Construction Note 28.	\$ 2,400 ⁰⁰	\$ 4,800 ⁰⁰
24	3	EA	Furnish and Install New 8-Inch x 8-Inch x 8-Inch Dia. Epoxy-Coated Ductile Iron Tee Per Construction Note 21.	\$ 1,880 ⁰⁰	\$ 5,640 ⁰⁰
25	2	EA	Furnish and Install New 8-Inch x 8-Inch x 2-Inch Dia. Ductile Iron Reducing Tee Per Construction Note 22.	\$ 1,790 ⁰⁰	\$ 3,580 ⁰⁰
26	4	EA	Furnish and Install New 12-inch x 8-inch Ductile Iron Epoxy-Coated Reducer with Restrained Joint Fittings Per Construction Note 8.	\$ 1,690 ⁰⁰	\$ 6,790 ⁰⁰
27	13	EA	Furnish and Install New 8-inch x 6-inch Ductile Iron Epoxy-Coated Reducer with Restrained Joint Fittings Per Construction Note 3.	\$ 1,625 ⁰⁰	\$ 21,125 ⁰⁰
28	4	EA	Furnish and Install New 8-inch x 4-inch Ductile Iron Epoxy-Coated Reducer with Restrained Joint Fittings Per Construction Note 19.	\$ 1,580 ⁰⁰	\$ 6,320 ⁰⁰
29	4	EA	Furnish and Install New 6-inch x 2-inch Ductile Iron Epoxy-Coated Reducer with Restrained Joint Fittings Per Construction Note 31.	\$ 1,495 ⁰⁰	\$ 5,980 ⁰⁰

30	2	EA	Furnish and Install New 2-inch Dia. Epoxy-Coated Ductile Iron Transition Coupling Adapter with Stainless Steel Hardware	\$ 960 ⁰⁰	\$ 1,920 ⁰⁰
31	46	EA	Furnish and Install New 8-Inch Dia. Ductile Iron Epoxy-Coated 45-Degree Elbow and Thrust Blocks Per Construction Note 5.	\$1,085 ⁰⁰	\$49,930 ⁰⁰
32	8	EA	Furnish and Install New 6-Inch Dia. Ductile Iron Epoxy-Coated 45-Degree Elbow and Thrust Blocks	\$ 750 ⁰⁰	\$ 6,000 ⁰⁰
33	4	EA	Furnish and Install New 2-Inch Dia. Ductile Iron Epoxy-Coated 45-Degree Elbow and Thrust Blocks	\$ 680 ⁰⁰	\$ 2,720 ⁰⁰
34	10	EA	Furnish and Install Air Release Valves	\$ 4,800 ⁰⁰	\$48,000 ⁰⁰
35	10	EA	Furnish and Install New Blow-Off Assembly	\$ 4,500 ⁰⁰	\$ 45,000 ⁰⁰
36	1	LS	Contractor to Complete Hydrostatic Pressure Testing per Specifications.	\$16,500 ⁰⁰	\$16,500 ⁰⁰
37	1	LS	Contractor to Complete Disinfection of the New Pipeline per Specifications	\$ 13,500 ⁰⁰	\$ 13,500 ⁰⁰
38	560	TON	Install A.C. Pavement Per Construction Keynote No. 11.	\$ 300 ⁰⁰	\$168,000 ⁰⁰
39	500	CY	Install Class II Base Per Construction Keynote No. 11.	\$ 80 ⁰⁰	\$40,000 ⁰⁰
40	175	SF	Install Concrete Cross Gutter, Class II Base and Subgrade Preparation.	\$ 25 ⁰⁰	\$4,375 ⁰⁰
41	32	LF	Install Concrete Curb and Gutter, Class II Base and Subgrade Preparation.	\$ 85 ⁰⁰	\$ 2,720 ⁰⁰
42	150	SF	Install Concrete Sidewalks, Class II Base and Subgrade Preparation.	\$ 7.50	\$ 1,125 ⁰⁰
43	6,900	LF	Grout Abandonment of Water Main Line per Specification Section 02700.	\$ 3 ⁰⁰	\$20,700 ⁰⁰

2nd Street, Dool Ave. and Beach Ave. Water Pipeline Replacement Project:

Total Bid: \$ 2,177,748⁰⁰

2nd Street, Dool Ave. and Beach Ave. Water Pipeline Replacement Project:

Total Bid Price Written in words: Two million one hundred seventy seven thousand and seven hundred forty eight dollars

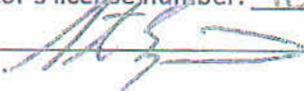
1.00 – The undersigned hereby acknowledges the receipt of the following addendum:

None _____; No. 1 ; No. 2 ; No. 3 _____; No. 4 _____; No. 5 _____

2.00 – The undersign hereby certifies that this proposal/bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation.

3.00 – The undersigned hereby accepts on the behalf of his firm all provisions and requirements of the contract documents, including but not limited to those related to time of completion and liquidated damages.

4.00 – The undersigned hereby certifies that they are authorized representative of the firm on whose behalf this proposal/bid is submitted and that they are acting at the direction and with the required approval of said firm, which is identified as follows:

Name of firm: Rave Engineering Inc
Address of firm: 399 S. Haskell Dr.
Telephone number: (360) 790-7705 Fax number: () N/A
Contractor's license number: 1046101 Type: A
Signed:  Date: 04/30/2020

END OF PROPOSAL/BID FORM

PROPOSAL BID FORM

TO THE PUBLIC WORKS DIRECTOR/CITY MANAGER OF THE CITY OF CALEXICO:

The undersigned hereby declares that he has carefully examined the location of the proposed work that he has examined the plans and specifications and read the accompanying instructions to bidders and hereby proposes to furnish all material except owner furnished materials, and do all work required to complete the said work in accordance with said plans and specifications and special provisions for the unit prices set forth in the following schedule. The bidder shall furnish prices for all items shown in the proposal.

NAME OF COMPANY: Granite Construction Company

2ND STREET, DOOL AVE. AND BEACH AVE. WATER PIPELINE REPLACEMENT PROJECT

ITEM NO.	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	AMOUNT
1	1	LS	Mobilization of equipment and material, Performance Bond, Payment Bond, General Liability Insurance, Workman's Compensation Insurance, Construction water, freight, project signs, Air pollution control district requirements and fees, Restroom Facilities, Vehicle Insurance, Taxes, Permits, City of Calexico Business license, and Similar expenses and other costs not specifically addressed within this bid item list.	\$ 23,250. ⁰⁰	\$ 23,250. ⁰⁰
2	1	LS	Implementation of Traffic Control Plans and Construction Area Signs	\$ 17,500. ⁰⁰	\$ 17,500. ⁰⁰
3	1	LS	Potholing of the Existing Underground Utilities and Pipelines as indicated on Improvement Plans.	\$ 18,750. ⁰⁰	\$ 18,750. ⁰⁰
4	1	LS	Implementation of Erosion Control Plan and Installation Maintenance, and Removal of BMPs per Improvement Plans. Preparation and Implementation of Dust Control Plan and APCD permit.	\$ 14,700. ⁰⁰	\$ 14,700. ⁰⁰
5	1	LS	Construction Staking per Specifications	\$ 34,525. ⁰⁰	\$ 34,525. ⁰⁰
6	1	LS	Geotechnical Testing	\$ 46,700. ⁰⁰	\$ 46,700. ⁰⁰
7	13,800	LF	Sawcut Existing A.C. Pavement for the Full Depth of A.C. Pavement per Demolition Keynote 1.	\$ 0.05	\$ 690. ⁰⁰
8	1,920	SY	Remove and Dispose of Existing A.C. Pavement And Underlying Material per Demolition Keynote 1.	\$ 0.25	\$ 480. ⁰⁰

9	27,600	SF	Cold Plane Existing A.C. Pavement for a Thickness of 0.12 foot per Demolition Keynote 2.	\$ 2. ²⁰	\$ 60,720. ⁰⁰
10	170	LF	Sawcut Existing P.C.C. Concrete Curb and Gutter, Sidewalk, or Driveway for the Full Depth of Concrete per Demolition Keynote 3	\$ 6. ⁶⁰	\$ 1,122. ⁰⁰
11	375	SF	Remove and Dispose of Existing P.C.C. Concrete and Underlying Material per Demolition Keynote 3.	\$ 18. ²⁵	\$ 6,843. ⁷⁵
12	6,950	LF	Furnish and Install New 8-inch Dia. AWWA C-900 DR 18 - Pressure Class 235 PVC Water Pipeline per Detail A Sheet 11, including Native Material Backfill, Pipe Bedding Sand, Compaction and Disposal of Excessive Native Material. Include All Connections to Existing Water Lines.	\$ 60. ⁵⁰	\$ 420,475. ⁰⁰
13	10	EA	Install Utility Crossing per Detail "B" on Sheet 11. Include Pipe Bends, Appurtenances and Trench Shoring	\$ 15,230. ⁰⁰	\$ 152,300. ⁰⁰
14	120	LF	Furnish and Install New 6-inch Dia. AWWA C-900 DR 18 - Pressure Class 235 PVC Water Pipeline Per Detail A Sheet 11, Including Native Material Backfill, Pipe Bedding Sand, Compaction and Disposal of Excessive Native Material.	\$ 206. ⁰⁰	\$ 24,720. ⁰⁰
15	135	LF	Furnish and Install New 2-inch Dia. Sch 80 PVC Water Pipeline Including Native Material Backfill, Compaction and Disposal of Excessive Native Material.	\$ 153. ⁰⁰	\$ 20,655. ⁰⁰
16	89	EA	Remove Existing Water Services and Install New Water Services from Existing Meters to New 8 Inch Water Line, Include, Pipe, Pipe Appurtenances and Fittings per Detail "L" Sheet 10. Include Trench Backfill, Concrete Sidewalk and Curb and Gutter Removal and Reconstruction as Needed.	\$ 6,160. ⁰⁰	\$ 548,240. ⁰⁰
17	8	EA	Cut and Connect Existing Fire Hydrant Water Line to New 8 Inch Water Line, Include 8 x 8 x 6 inch Tee, 6 Inch Gate Valve and Pipe Fittings per Detail "K" Sheet 10. Include Trench Backfill, Concrete Sidewalk and Curb and Gutter Removal and Reconstruction as Needed.	\$ 7,100. ⁰⁰	\$ 56,800. ⁰⁰

18	4	EA	Install Fire Hydrant Water Line to New 8 Inch Water Line, include 8 x 8 x 6 inch Tee, 6 Inch Gate Valve and Pipe Fittings per Detail "K" Sheet 10. Include Trench Backfill, Concrete Sidewalk and Curb and Gutter Removal and Reconstruction as Needed.	\$ 14,400. ⁰⁰	\$ 57,600. ⁰⁰
19	55	EA	Furnish and Install New 8-Dia. Ductile Iron Resilient Wedge Gate Valve with Valve Cover and Riser Per Construction Note 4.	\$ 4,050. ⁰⁰	\$ 222,750. ⁰⁰
20	4	EA	Furnish and Install New 6-Dia. Ductile Iron Resilient Wedge Gate Valve with Valve Cover and Riser Per Construction Note 29.	\$ 3,268. ⁰⁰	\$ 13,072. ⁰⁰
21	2	EA	Furnish and Install New 2-Dia. Ductile Iron Resilient Wedge Gate Valve with Valve Cover and Riser.	\$ 2,285. ⁰⁰	\$ 4,570. ⁰⁰
22	10	EA	Furnish and Install New 8-Inch x 8-Inch x 8-Inch x 8-Inch Dia. Epoxy-Coated Ductile Iron Cross Per Construction Note 6.	\$ 1,487. ⁰⁰	\$ 14,870. ⁰⁰
23	2	EA	Furnish and Install New 8-Inch x 6-Inch x 8-Inch x 6-Inch Dia. Epoxy-Coated Ductile Iron Cross Per Construction Note 28.	\$ 1,451. ⁰⁰	\$ 2,902. ⁰⁰
24	3	EA	Furnish and Install New 8-Inch x 8-Inch x 8-Inch Dia. Epoxy-Coated Ductile Iron Tee Per Construction Note 21.	\$ 1,547. ⁰⁰	\$ 4,641. ⁰⁰
25	2	EA	Furnish and Install New 8-Inch x 8-Inch x 2-Inch Dia. Ductile Iron Reducing Tee Per Construction Note 22.	\$ 1,880. ⁰⁰	\$ 3,760. ⁰⁰
26	4	EA	Furnish and Install New 12-Inch x 8-Inch Ductile Iron Epoxy-Coated Reducer with Restrained Joint Fittings Per Construction Note 8.	\$ 1,558. ⁰⁰	\$ 6,232. ⁰⁰
27	13	EA	Furnish and Install New 8-Inch x 6-Inch Ductile Iron Epoxy-Coated Reducer with Restrained Joint Fittings Per Construction Note 3.	\$ 1,205. ⁰⁰	\$ 15,665. ⁰⁰
28	4	EA	Furnish and Install New 8-Inch x 4-Inch Ductile Iron Epoxy-Coated Reducer with Restrained Joint Fittings Per Construction Note 19.	\$ 918. ⁰⁰	\$ 3,672. ⁰⁰
29	4	EA	Furnish and Install New 6-Inch x 2-Inch Ductile Iron Epoxy-Coated Reducer with Restrained Joint Fittings Per Construction Note 31.	\$ 998. ⁰⁰	\$ 3,992. ⁰⁰

30	2	EA	Furnish and Install New 2-Inch Dia. Epoxy-Coated Ductile Iron Transition Coupling Adapter with Stainless Steel Hardware	\$ 151. ⁰⁰	\$ 302. ⁰⁰
31	46	EA	Furnish and Install New 8-Inch Dia. Ductile Iron Epoxy-Coated 45-Degree Elbow and Thrust Blocks Per Construction Note 5.	\$ 873. ⁰⁰	\$ 40,158. ⁰⁰
32	8	EA	Furnish and Install New 6-Inch Dia. Ductile Iron Epoxy-Coated 45-Degree Elbow and Thrust Blocks	\$ 777. ⁰⁰	\$ 6,216. ⁰⁰
33	4	EA	Furnish and Install New 2-Inch Dia. Ductile Iron Epoxy-Coated 45-Degree Elbow and Thrust Blocks	\$ 477. ⁰⁰	\$ 1,908. ⁰⁰
34	10	EA	Furnish and Install Air Release Valves	\$ 8,208. ⁰⁰	\$ 82,080. ⁰⁰
35	10	EA	Furnish and Install New Blow-Off Assembly	\$ 3,696. ⁰⁰	\$ 36,960. ⁰⁰
36	1	LS	Contractor to Complete Hydrostatic Pressure Testing per Specifications.	\$ 7,168. ⁰⁰	\$ 7,168. ⁰⁰
37	1	LS	Contractor to Complete Disinfection of the New Pipeline per Specifications	\$ 24,720. ⁰⁰	\$ 24,720. ⁰⁰
38	560	TON	Install A.C. Pavement Per Construction Keynote No. 11.	\$ 191. ⁰⁰	\$ 106,960. ⁰⁰
39	500	CY	Install Class II Base Per Construction Keynote No. 11.	\$ 242. ⁰⁰	\$ 121,000. ⁰⁰
40	175	SF	Install Concrete Cross Gutter, Class II Base and Subgrade Preparation.	\$ 39. ⁰⁰	\$ 6,825. ⁰⁰
41	32	LF	Install Concrete Curb and Gutter, Class II Base and Subgrade Preparation.	\$ 306. ⁰⁰	\$ 9,792. ⁰⁰
42	150	SF	Install Concrete Sidewalks, Class II Base and Subgrade Preparation.	\$ 103. ⁰⁰	\$ 15,450. ⁰⁰
43	6,900	LF	Grout Abandonment of Water Main Line per Specification Section 02700.	\$ 8. ⁴⁰	\$ 57,960. ⁰⁰

2nd Street, Dool Ave. and Beach Ave. Water Pipeline Replacement Project:

Total Bid: \$2,319,695.⁷⁵

2nd Street, Dool Ave. and Beach Ave. Water Pipeline Replacement Project:

Total Bid Price Written in words: Two million Three hundred nineteen Thousand Six hundred ninety five dollars and Seventy five cents

1.00 – The undersigned hereby acknowledges the receipt of the following addendum:

None _____; No. 1 X; No. 2 X; No. 3 _____; No. 4 _____; No. 5 _____

2.00 – The undersign hereby certifies that this proposal/bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation.

3.00 – The undersigned hereby accepts on the behalf of his firm all provisions and requirements of the contract documents, including but not limited to those related to time of completion and liquidated damages.

4.00 – The undersigned hereby certifies that they are authorized representative of the firm on whose behalf this proposal/bid is submitted and that they are acting at the direction and with the required approval of said firm, which is identified as follows:

Name of firm: Granite Construction Company DIR No.: 1000000085

Address of firm: 2095 Hwy 111, El Centro, CA 92243

Telephone number: (760) 337-3030 Fax number: (760) 353-0437

Contractor's license number: 89 Type: A,B

Signed: *Jeff J. Mercer* Date: 04/30/2020

Jeff J. Mercer, Construction Manager

END OF PROPOSAL/BID FORM

**CONSTRUCTION AGREEMENT
CITY OF CALEXICO, CALIFORNIA**

THIS AGREEMENT is made this 20th day of May, 2020, by and between the City of Calexico, a Municipal Corporation of the State of California ("City") and A&R Construction ("Contractor"). The City and the CONTRACTOR for consideration stated herein agree as follows:

1. Description of Project

A. 2nd Street, Dool Ave. and Beach Ave. Water Pipeline Replacement Project:

The work shall include the procurement of materials and the installation of a new 8 inch diameter water main pipeline along 2nd Street from Blair Avenue to Andrade Avenue. The project also includes the installation of 8 inch diameter water main pipelines along Dool Avenue and Beach Avenue between 2nd Street and 7th Street. The project also includes connecting existing water services and fire hydrants to the new water main pipelines.

The project will also include traffic control implementation and erosion control.

1.1 The work to be performed under this Agreement shall conform to the plans entitled "**2nd Street, Dool Ave. and Beach Ave. Water Pipeline Replacement Project**", incorporated herein as fully a part of this Agreement as if hereto attached or herein repeated.

2. Time for Completion

The work shall be commenced on the date stated in Notice to Proceed, and shall be completed within the allotted working days after the date stated in such Notice.

3. Compensation

3.1 City will pay the CONTRACTOR for the performance of this Agreement according to the terms and conditions contained in the Project's Invitation for Bids and Proposal or bid submittal by CONTRACTOR. CONTRACTOR will take full payment in accordance with the following item prices incorporated as part of the proposal or bid submitted by CONTRACTOR.

3.2 CONTRACTOR agrees to receive and accept said compensation as full payment for furnishing all materials and for doing all the work contemplated and embraced in this agreement; also for all loss or damage, arising out of the nature of the work aforesaid, or from any unforeseen difficulties or obstructions which may arise or be encountered in the prosecution of the work until its acceptance by CITY and for all risks of every description connected with the work; also for all expenses incurred by or in consequence of the suspension or discontinuance of work and for well and faithfully completing the work in the manner and according to the plans and specification, and the requirements of the CITY Engineer. This provision in no way limits the CONTRACTOR's duties under other provisions herein.

4. Industry Standards

The CONTRACTOR agrees that its performance, and that of its employees or subcontractors, under this Agreement shall be performed in accordance with the standards customarily adhered to by an experienced and competent contractor using the degree of care and skill ordinarily exercised by reputable professionals practicing in the same field in the State of California. Where approval by the CITY, the CITY Manager, or other representatives of the CITY is required, it is understood to be general approval only and does not relieve the CONTRACTOR of responsibility for complying with all applicable laws, codes and quality construction and business practices.

5. Insurance

The CONTRACTOR shall not begin performing under this Agreement until it has: (a) obtained insurance certificates reflecting evidence of all insurance required herein; however, the CITY reserves the right to request, and the CONTRACTOR shall submit, copies of any policy upon reasonable request by the CITY; (b) obtained CITY approval of each company or companies as required herein; and (c) confirmed that all policies contain the specific provisions required herein. Further the CONTRACTOR shall not modify any policy or endorsement thereto which increases the CITY'S exposure to loss for the duration of this Agreement.

5.1 Types of Insurance.

At all times during the term of this Agreement, CONTRACTOR shall maintain insurance coverage as follows:

5.1.1 Commercial General Liability

For all of the CONTRACTOR'S operations, including contractual, broad form property damage, completed operations, and independent CONTRACTOR'S liability, the CONTRACTOR shall keep in full force and effect, during any and all work on this Project, all applicable insurance to cover personal injury, bodily injury and property damage, providing coverage to a combined single limit of \$1,000,000.00 per occurrence, subject to an annual aggregate of \$2,000,000.00 for general liability, completed operations and personal injury other than bodily injury. Agreemental liability shall include coverage of tort liability of another party to pay for bodily injury or property damage to a third person or organization. Agreemental liability limitation endorsement is not acceptable.

5.1.2 Commercial Automobile Liability

For all the CONTRACTOR'S automobiles including owned, hired and non-owned automobiles, the CONTRACTOR shall keep in full force and effect, automobile insurance for bodily injury and property damage providing coverage to a combined single limit of \$1,000,000.00 per occurrence. Insurance certificate shall reflect coverage for any automobile [any auto]. The CITY shall be named as an additional insured, but only for liability arising out of the use of CONTRACTOR'S automobiles and only arising out of the performance of this Agreement.

5.1.3 Worker's Compensation

For all of the CONTRACTOR's employees who are subject to this Agreement and to the extent required by the State of California, the CONTRACTOR shall keep in full force and effect, a workers compensation policy. That policy shall provide a minimum of \$1,000,000.00 of employees liability coverage and the CONTRACTOR shall provide and endorsement that the insurer waives the right of subrogation against the CITY and its respective elected officials, officers, employees, agents and representatives.

5.2 Rating Requirements

All bonds used to guarantee work and performance under this Agreement and all insurance required by express provision of this Agreement shall be carried only by responsible insurance companies that have been at least and "A" or "A-" and "V" rating by AM BEST, that are licensed and approved by the State to do business in the State of California, and that have been approved by the CITY.

5.3 Deductibles

All deductibles on any policy shall be the responsibility of the CONTRACTOR.

5.4 Specific Provisions Required

Each policy required under Section 6 herein, shall expressly provide, and an endorsement shall be submitted to the City, that:

5.4.1 Except as to Workers Compensation, the City of Calexico and its respective elected officials, officers, employees, agents, and representatives shall be named as additional insureds. The CITY's Additional Insured status must be reflected on additional insured endorsement which shall be submitted to the CITY.

5.4.2 The policies are primary and any insurance that may be carried by the CITY is non-contributing, as reflected in an endorsement which shall be submitted to the CITY.

5.4.3 The policies cannot be canceled, non renewed or materially changed except after thirty calendar days prior written notice by the CONTRACTOR to the CITY by certified mail, as reflected in an endorsement which shall be submitted to the CITY except for non-payment of premium, in which case ten (10) days notice will be provided.

5.4.4 Before performing under this Agreement, the CONTRACTOR shall provide the CITY with all Certificates of Insurance accompanied with all endorsements.

5.4.5 The CONTRACTOR may obtain additional insurance not required by this Agreement.

6. Agreementor Compliance with Labor Code

CONTRACTOR certifies that he is aware of the provisions of Section 3700 of the Labor Code which requires every employer to be insured against liability for Worker's Compensation or to undertake self insurance in accordance with the provisions of that Code, and will comply with such provisions before commencing the performance of the work of this Agreement.

7. Control of Agreement

The improvement contemplated in the performance of this contract is a project over which the City of Calexico shall exercise general supervision. The CITY therefore shall have the right to assume full and direct control over this contract whenever the CITY, at its sole discretion, shall determine that its responsibility to the State of California so requires.

8. Conflicting Terms

If an apparent conflict or inconsistency exists between the main body of this Agreement and the bid, proposal or other incorporated document, the main body of this Agreement shall control. If a conflict exists between applicable federal, state, or local law, rule, regulation, order, or code and this Agreement, the law, rule, regulation, order, or code shall control. Varying degrees of stringency among the main body of this Agreement, the Exhibits, and laws, rules, regulations, orders, or codes are not deemed conflicts, and the most stringent requirements shall control. Each party shall notify the other immediately upon the identification of any apparent conflict or inconsistency concerning this Agreement.

9. Indemnification and Hold Harmless Agreement

9.1 With respect to any liability, including but not limited to claims asserted or costs, losses, attorney fees (for attorney of CITY's choosing), or payments for injury to any person or property caused or claimed to be caused by the acts or omissions of the CONTRACTOR, or the CONTRACTORS's employees, agents, and officers, arising out of any services performed involving this project, the CONTRACTOR agrees to defend, indemnify, protect, and hold harmless the CITY, its agents, officers, or employees from and against all liability. Also covered is liability arising from, connected with, caused by, or claimed to be caused by the active or passive negligent acts or omissions of the CITY, its agents, officers, or employees which may be in combination with the active or passive negligent acts or omissions of the CONTRACTOR, its employees, agents or officers, or any third party. The CONTRACTOR's duty to defend, indemnity, protect and hold harmless shall not include any claims or liabilities arising from the soles negligence or sole willful misconduct of the CITY, its agent, officers or employees. This section in no way alters, affects or modifies any of CONTRACTOR's other obligations and duties herein.

10.2 The CONTRACTOR agrees to pay any and all costs the CITY incurs enforcing the indemnity and defense provisions herein.

10. Notices

In all cases where written notice is required under this Agreement, service shall be deemed sufficient if the notice is deposited in the United States mail, postage paid. Proper notice shall be effective on the date it is mailed, unless provided otherwise in this Agreement. For the purpose of

this Agreement, unless otherwise agreed in writing, notice to the parties herein shall be addressed as follows:

CITY

CONTRACTOR:

City of Calexico
Public Works Department
608 Heber Avenue
Calexico, CA 92231

A&R Construction
1631 River Drive
Brawley, CA 92227

11. Non-Assignment

The CONTRACTOR shall not assign the obligations under this Agreement, whether by express assignment or by sale of the company, nor any monies due or to become due, without the CITY's prior written approval. Any assignment in violation of this paragraph shall constitute a Default and is grounds for immediate termination of this Agreement, at the sole discretion of the CITY. In no event shall any putative assignment create a contractual relationship between the CITY and any putative assignee.

12. Independent Agreementors

The CONTRACTOR and any SUBCONTRACTORS employed by the CONTRACTOR shall be independent contractors and not agents of the CITY.

13. Compliance with Controlling Law

The CONTRACTOR shall comply with all laws, ordinances, regulations, and policies of the federal, state and local governments applicable to this Agreement, including California Labor Code section 1720 relating to the payment of prevailing wages, including inspection and land surveying work. In addition, the CONTRACTOR shall comply immediately with all directives issues by the CITY or its authorized representatives under authority of any laws, statutes, ordinances, rules or regulations. The laws of the State of California shall govern and control the terms and conditions of this Agreement.

Pursuant to the Labor Code of the State of California, or local laws applicable thereto, the CITY has ascertained that the CONTRACTOR shall be responsible for paying prevailing wages as established by the State of California, Director of Industrial Relations. Under Section 1776 of the State Labor Code, the CONTRACTOR, and all subcontractors, are required to keep accurate payroll records. This Section specifies the content thereof, inspection and duplication procedures, and certain notices required of the CONTRACTOR pertaining to their location.

Whenever the CONTRACTOR or any representative, agent or employee Of CONTRACTOR performing a public works project is found by the Department of Industrial Relations ("DIR") or the CITY to be in violation of the prevailing wage requirements imposed by law, the CONTRACTOR shall indemnify and hold CITY harmless from any and all liability arising from such violation, including any and all liability imposed on the City. The CONTRACTOR's duty to indemnify the CITY pursuant

to this section shall include any and all costs and expenses incurred by the CITY therefrom, including but not limited to any penalties imposed on the CITY by DIR or any other state agency and reasonable attorney's fees.

Nothing in this section shall be construed to limit, alter or amend the CONTRACTOR's duty to indemnify under any other provisions of this Agreement.

14. Jurisdiction and Venue

The venue for any suit or proceeding concerning this Agreement, the interpretation or application of any of its terms, or any related disputes shall be in the County of the Imperial, State of California.

15. Integration

This Agreement and the exhibits and references incorporated into this Agreement fully express all understandings of the Parties concerning the matters covered in this Agreement. No change, alteration, or modification of the terms or conditions of this Agreement, and no verbal understanding of the Parties, their officers, agents, or employees shall be valid unless made in the form of a written change agreed to in writing by both parties or an amendment to this Agreement agreed to both Parties. All prior negotiations and agreements are merged into this Agreement.

16. Counterparts

This Agreement may be executed in counterparts, which when taken together shall constitute a single signed original as though all parties had executed the same page.

17. No Waiver

No failure of either the CITY or the CONTRACTOR to insist upon the strict performance by the other of any covenant, term or condition of this Agreement, nor any failure to exercise any right or remedy consequent upon a breach of any covenant, term, or condition of this Agreement, shall constitute a waiver of any such breach or such covenant, term or condition. No waiver of any breach shall affect or alter this Agreement, and each and every covenant, condition, and term hereof shall continue in full force and effect to any existing or subsequent breach.

18. Severability

The unenforceability, invalidity, or illegality of any provision of this Agreement shall not render any other provision of this Agreement unenforceable, invalid, or illegal.

IN WITNESS WHEREOF, the parties hereto through their agent duly authorized, have executed this Agreement as of the day and year first above written.

ATTEST:

GABRIELA GARCIA
City Clerk of the City of Calexico

David B, Dale
City Manager of the City of Calexico

CONTRACTOR

By: _____
Signature

Date

Printed Name and Title

Licensed in accordance with an act
Providing for the registration of contractors,
License No. _____

APPROVED AS TO FORM AND EXECUTION

CARLOS CAMPOS
City Attorney

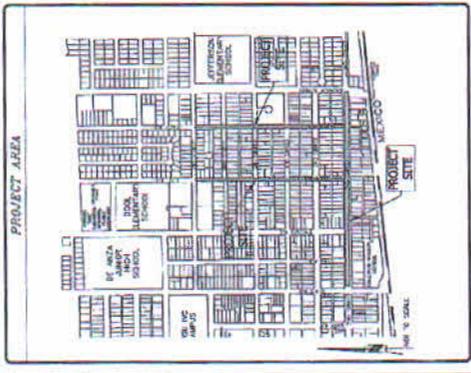
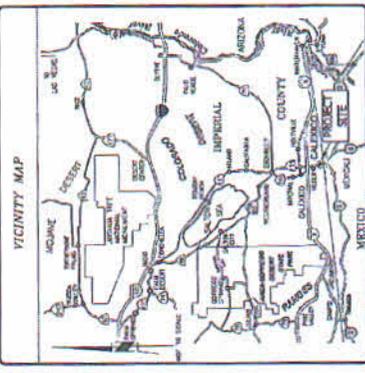
Date

END OF CONSTRUCTION AGREEMENT

2nd STREET, DOOL AVE. AND BEACH AVE. WATER PIPELINE REPLACEMENT PROJECT

IN THE CITY OF CALEXICO, CALIFORNIA

AUGUST 2019



DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE AUTHORIZED REPRESENTATIVE OF THE PROJECT, THAT I HAVE READ AND UNDERSTAND THE PROJECT DESCRIPTION AND THAT THE DESIGN IS CONFORMANT WITH THE CITY OF CALEXICO ENGINEERING CODES AND THAT THE DESIGN IS CONFORMANT WITH CURRENT STANDARDS.

DATE: 8/1/19
 PROJECT NO: 19-001
 PROJECT NAME: 2ND STREET, DOOL AVENUE AND BEACH AVENUE WATER PIPELINE REPLACEMENT PROJECT

DYNAMIC CONSULTING ENGINEERS, INC.
 210 IMPERIAL AVENUE, SUITE 100
 IMPERIAL, CALIFORNIA 92521
 PHONE: 760-939-4444
 FAX: 760-939-4444
 WWW.DYNAMICCONSULTINGENGINEERS.COM

PROJECT INFORMATION

OWNER: CITY OF CALEXICO, 210 IMPERIAL AVENUE, SUITE 100, IMPERIAL, CA 92521

ENGINEER: DYNAMIC CONSULTING ENGINEERS, INC., 210 IMPERIAL AVENUE, SUITE 100, IMPERIAL, CA 92521

AGENCY CONTACTS:

CITY OF CALEXICO: CONTACT: CALVIN HALL, CITY MANAGER, 210 IMPERIAL AVENUE, SUITE 100, IMPERIAL, CA 92521, PHONE: 760-939-4444, FAX: 760-939-4444

IMPERIAL WATER AGENCY: CONTACT: JIMMY WATSON, CITY MANAGER, 1000 W. 10TH STREET, IMPERIAL, CA 92521, PHONE: 760-939-4444, FAX: 760-939-4444

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PROJECT DESCRIPTION

THE WORK SHALL INCLUDE THE PROCUREMENT OF MATERIAL AND THE INSTALLATION OF 24" DIAMETER WATER PIPELINE REPLACEMENT STA 14+00 TO STA 19+00 AND 24" DIAMETER WATER PIPELINE REPLACEMENT STA 19+00 TO STA 20+00. THE PROJECT ALSO INCLUDES THE INSTALLATION OF 18" DIAMETER WATER PIPELINE REPLACEMENT STA 19+00 TO STA 20+00. THE PROJECT ALSO INCLUDES THE INSTALLATION OF 18" DIAMETER WATER PIPELINE REPLACEMENT STA 19+00 TO STA 20+00. THE PROJECT ALSO INCLUDES THE INSTALLATION OF 18" DIAMETER WATER PIPELINE REPLACEMENT STA 19+00 TO STA 20+00.

SHEET INDEX

1. TITLE SHEET, VICINITY MAP AND GENERAL NOTES
 2. SHEET INDEX
 3. 2ND STREET WATER PIPELINE REPLACEMENT STA 14+00 TO STA 19+00
 4. 2ND STREET WATER PIPELINE REPLACEMENT STA 19+00 TO STA 20+00
 5. 2ND STREET WATER PIPELINE REPLACEMENT STA 19+00 TO STA 20+00
 6. DOOL AVENUE WATER PIPELINE REPLACEMENT STA 19+00 TO STA 20+00
 7. DOOL AVENUE WATER PIPELINE REPLACEMENT STA 19+00 TO STA 20+00
 8. BEACH AVENUE WATER PIPELINE REPLACEMENT STA 19+00 TO STA 20+00
 9. BEACH AVENUE WATER PIPELINE REPLACEMENT STA 19+00 TO STA 20+00
 10. DETAILS
 11. DETAILS
 12. 2ND STREET DESIGN CONTROL PLAN
 13. 2ND STREET DESIGN CONTROL PLAN
 14. 2ND STREET DESIGN CONTROL PLAN
 15. 2ND STREET DESIGN CONTROL PLAN
 16. 2ND STREET DESIGN CONTROL PLAN
 17. 2ND STREET DESIGN CONTROL PLAN
 18. 2ND STREET DESIGN CONTROL PLAN
 19. TRAFFIC CONTROL, PLAN GENERAL NOTES
 20. TRAFFIC CONTROL, AND DETOUR PLAN FOR 2ND STREET PHASE 1
 21. TRAFFIC CONTROL, AND DETOUR PLAN FOR 2ND STREET PHASE 2
 22. TRAFFIC CONTROL, AND DETOUR PLAN FOR BEACH STREET
 23. TRAFFIC CONTROL, AND DETOUR PLAN FOR DOOL AVENUE AND 7TH STREET INTERSECTION
 24. TRAFFIC CONTROL, AND DETOUR PLAN FOR BEACH AVENUE AND 7TH STREET INTERSECTION

CITY COUNCIL

BILL HODGE MAYOR
MORRIS REISS COUNCIL MEMBER
LENNIS PACHECO COUNCIL MEMBER
DAVID ROMERO COUNCIL MEMBER
ROSIE ARREOLA-FERNANDEZ COUNCIL MEMBER

PARTICIPATING CITY STAFF

DAVID B. DALE CITY MANAGER
CARLOS CAMPOS CITY ATTORNEY
ILLIANA FALOMIR PUBLIC WORKS MANAGER
GABRIELA T. GARCIA CITY CLERK
ROBERT ORTIZ CITY PROJECT DIRECTOR

NOTE TO CONTRACTOR

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF CALEXICO AND THE IMPERIAL WATER AGENCY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF CALEXICO AND THE IMPERIAL WATER AGENCY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF CALEXICO AND THE IMPERIAL WATER AGENCY.

ENGINEER'S NOTE TO CONTRACTOR

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DYNAMIC CONSULTING ENGINEERS

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 FAX: 760-939-4444
 WWW.DYNAMICCONSULTINGENGINEERS.COM

UNAUTHORIZED CHANGE AND USE: Any change or use of this drawing without the written consent of Dynamic Consulting Engineers, Inc. shall be void. The user of this drawing shall be held responsible for any errors or omissions. Call: 760-939-4444

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CITY OF CALEXICO

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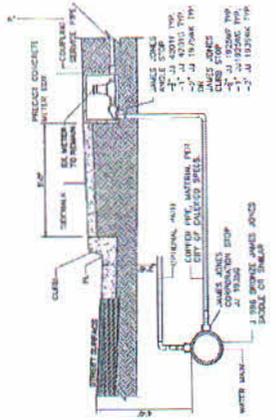
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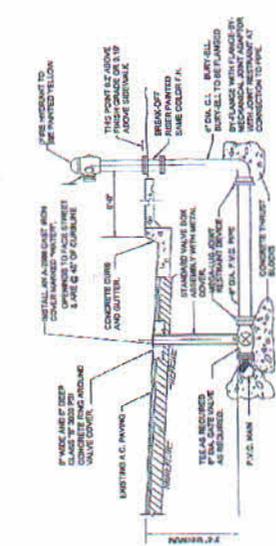
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 IMPERIAL, CALIFORNIA 92521
 PHONE: 760-939-4444
 FAX: 760-939-4444
 WWW.DYNAMICCONSULTINGENGINEERS.COM



NOTES

1. ALL FIRE HYDRANT LATERALS TO BE INSTALLED PER CITY OF CALIFORNIA SPECIFICATIONS.
2. ALL VERTICAL DIMENSIONS TO FACE OF HYDRANT BODY UNLESS OTHERWISE NOTED.
3. ALL TRENCHES TO BE BACKFILLED WITH SAND AND PAVE TRENCH PER DETAILS ON SHEET 11.
4. CONCRETE CURB AND GUTTER TO BE INSTALLED PER CITY OF CALIFORNIA SPECIFICATIONS.
5. CONCRETE CURB AND GUTTER TO BE INSTALLED PER CITY OF CALIFORNIA SPECIFICATIONS.

(X) FIRE HYDRANT DETAIL
NOT TO SCALE



NOTES

1. ALL WATER SERVICE LATERALS TO BE INSTALLED PER CITY OF CALIFORNIA SPECIFICATIONS.
2. ALL VERTICAL DIMENSIONS TO FACE OF METER UNLESS OTHERWISE NOTED.
3. ALL TRENCHES TO BE BACKFILLED WITH SAND AND PAVE TRENCH PER DETAILS ON SHEET 11.
4. CONCRETE CURB AND GUTTER TO BE INSTALLED PER CITY OF CALIFORNIA SPECIFICATIONS.
5. CONCRETE CURB AND GUTTER TO BE INSTALLED PER CITY OF CALIFORNIA SPECIFICATIONS.

(L) WATER SERVICE DETAIL
NOT TO SCALE

Dynamic CONSULTING ENGINEERS
2500 CALIFORNIA STREET, SUITE 100, SAN FRANCISCO, CA 94115
415.774.1111
www.dynamic-engineers.com

UNAUTHORIZED CHANGES AND USES:
Dynamic Engineers will be responsible for any and all changes and uses of these drawings, specifications, or other plans or documents that are not approved by the project architect or engineer.

PROJECT ARCHITECT:
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2500 CALIFORNIA STREET, SUITE 100, SAN FRANCISCO, CA 94115
415.774.1111
www.dynamic-engineers.com

SHEET TITLE: **10**
DETAILS
of
22

PROJECT ARCHITECT:
DYNAMIC ENGINEERS
2500 CALIFORNIA STREET, SUITE 100, SAN FRANCISCO, CA 94115
415.774.1111
www.dynamic-engineers.com

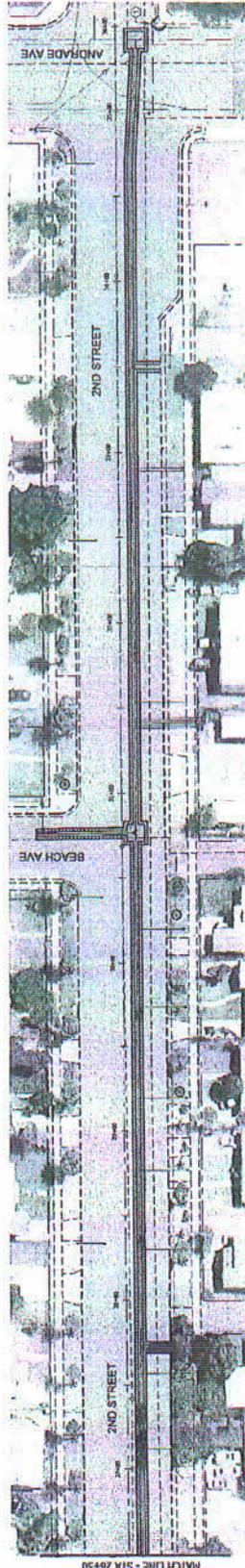
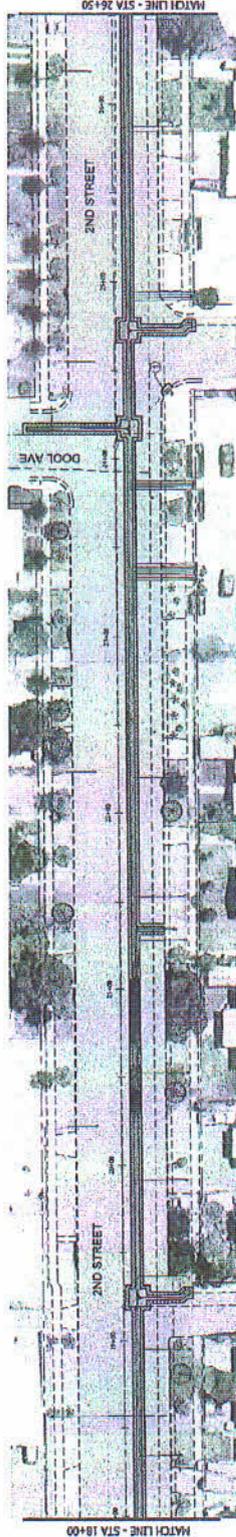
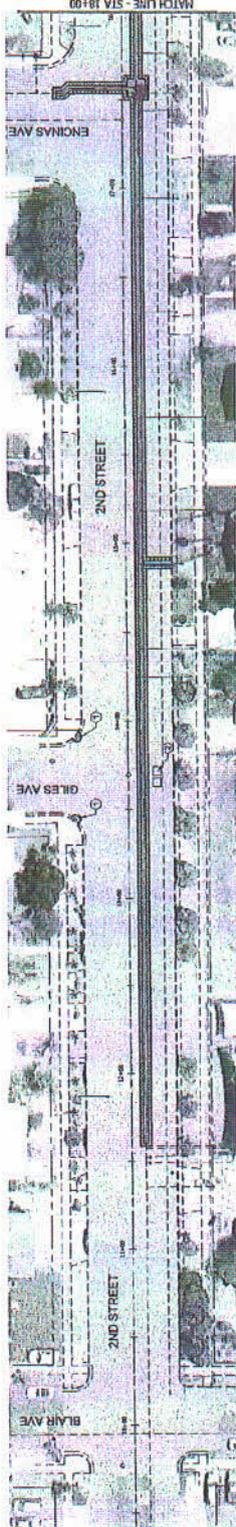
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BMP CONSTRUCTION NOTES:

- 1. INSTALL BOPFILTER BAGS EROSION CONTROL PER DETAIL 86-14 SHEET 15
- 2. PORTABLE TOILETS - PLACE PORTABLE TOILETS WITHIN THE CONSTRUCTION FOOTPRINT

EROSION AND SEDIMENT CONTROL NOTES

FOR EROSION AND SEDIMENT CONTROL, REFER TO SHEET 16.
 NOTES:
 CONTRACTOR SHALL COMPLY AT MINIMUM WITH THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THIS PLAN. THE CONTRACTOR SHALL MODIFY THE EROSION AND SEDIMENT CONTROL PLAN AND IMPLEMENT NEW MEASURES AS NEEDED TO ASSURE COMPLIANCE WITH THE LATEST REQUIREMENTS OF THE STATE WATER RESOURCES CONTROL BOARD (SRWB).
 ALL PRIVATE AND PUBLIC STORM WATER CONVEYANCE SYSTEMS, SIDEWALKS, PUBLIC UTILITY LINES, AND EXISTING STRUCTURES SHALL BE PROTECTED AND MAINTAINED IN A BEST AND CLEAN CONDITION FREE OF SEDIMENT, CONSTRUCTION MATERIAL, WASTE, MISCELLANEOUS DEBRIS AND DETRIMENTAL EROSION AND SEDIMENT CONTROLS.
 CONTRACTOR TO PREPARE AND IMPLEMENT A DUST CONTROL PLAN PER METROPOLITAN COUNTY AIR POLLUTION CONTROL DISTRICT (MPCD) REQUIREMENTS.

Dynamic CONSULTING ENGINEERS
 ONE ENGINEERING AND PLANNING CONSTRUCTION MANAGEMENT CENTER
 11500 METROPOLITAN AVE. SUITE 800, SAN ANTONIO, TEXAS 78240
 WWW.DYNAMICCONSULTINGENGINEERS.COM

UNLICENSED DRAFTSMAN AND USER:
 DYNAMIC ENGINEERING AND PLANNING CONSTRUCTION MANAGEMENT CENTER
 11500 METROPOLITAN AVE. SUITE 800, SAN ANTONIO, TEXAS 78240
 CALIF. TOLL FREE 811
 ALL CHANGES TO THIS PLAN MUST BE MADE BY THE PROVIDER OF THESE PRINTS.

PROJECT: CULDEPAC
 2ND STREET, DOOL AVENUE AND BEACH AVENUE WATER PIPELINE REPLACEMENT PROJECT
 SHEET NO. 13 OF 22
 SHEET TITLE: 2ND STREET SEDIMENT CONTROL

APPROVED FOR CONSTRUCTION:
 CITY OF CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING DIVISION
 DATE: 11/21/20

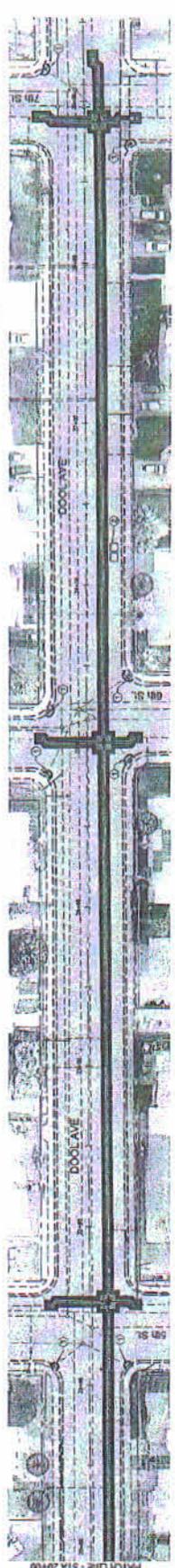
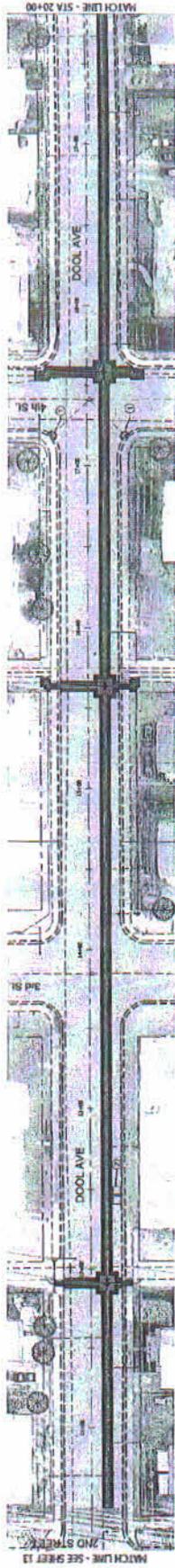
REVISIONS:
 NO. DATE DESCRIPTION
 1 11/21/20

PROJECT TO: 2ND STREET
 PROJECT NO.: 11500
 SHEET NO.: 13 OF 22
 DATE: 11/21/20

DESIGNED BY: [Signature]
 CHECKED BY: [Signature]
 DATE: 11/21/20

PROJECT TO: 2ND STREET
 PROJECT NO.: 11500
 SHEET NO.: 13 OF 22
 DATE: 11/21/20

REVISIONS:
 NO. DATE DESCRIPTION
 1 11/21/20



DOOL AVENUE



BMP CONSTRUCTION NOTES:

- ① INSTALL SPLITTER BAGS DURING CONSTRUCTION PER DETAIL BE-4 SHEET 'S'
- ② PORTABLE TOILETS, PLACE PORTABLE TOILETS WITHIN THE CONSTRUCTION WORK AREA.

EROSION AND SEDIMENT CONTROL NOTES:

FOR EROSION AND SEDIMENT CONTROL NOTES SEE SHEET 'S'

NOTE: CONTRACTOR SHALL COMPLY AT ALL TIMES WITH THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THIS PLAN. THE CONTRACTOR SHALL ADOPT THE EROSION AND SEDIMENT CONTROL PLAN AND MAINTAIN BEST PRACTICES AS NEEDED TO ASSURE COMPLIANCE WITH THE LATEST REQUIREMENTS OF THE STATE WATER RESOURCES CONTROL BOARD (SWRCB).

ALL PRIVATE AND PUBLIC STORM WATER CONVEYANCE SYSTEMS, SEWERAGE, PUBLIC UTILITY AND WATER MAINS SHALL BE PROTECTED FROM DAMAGE AND MAINTAINED IN A BEST AND CLEAN CONDITION FREE OF SEDIMENT, CONSTRUCTION MATERIAL, WASTE, MISCELLANEOUS DEBRIS AND DETRIMENTAL OBSTRUCTION AND SEDIMENT CONTROL.

CONTRACTOR TO PREPARE AND IMPLEMENT A DUST CONTROL PLAN PER AERIAL COUNTY AIR POLLUTION CONTROL DISTRICT (APCD) REQUIREMENTS.

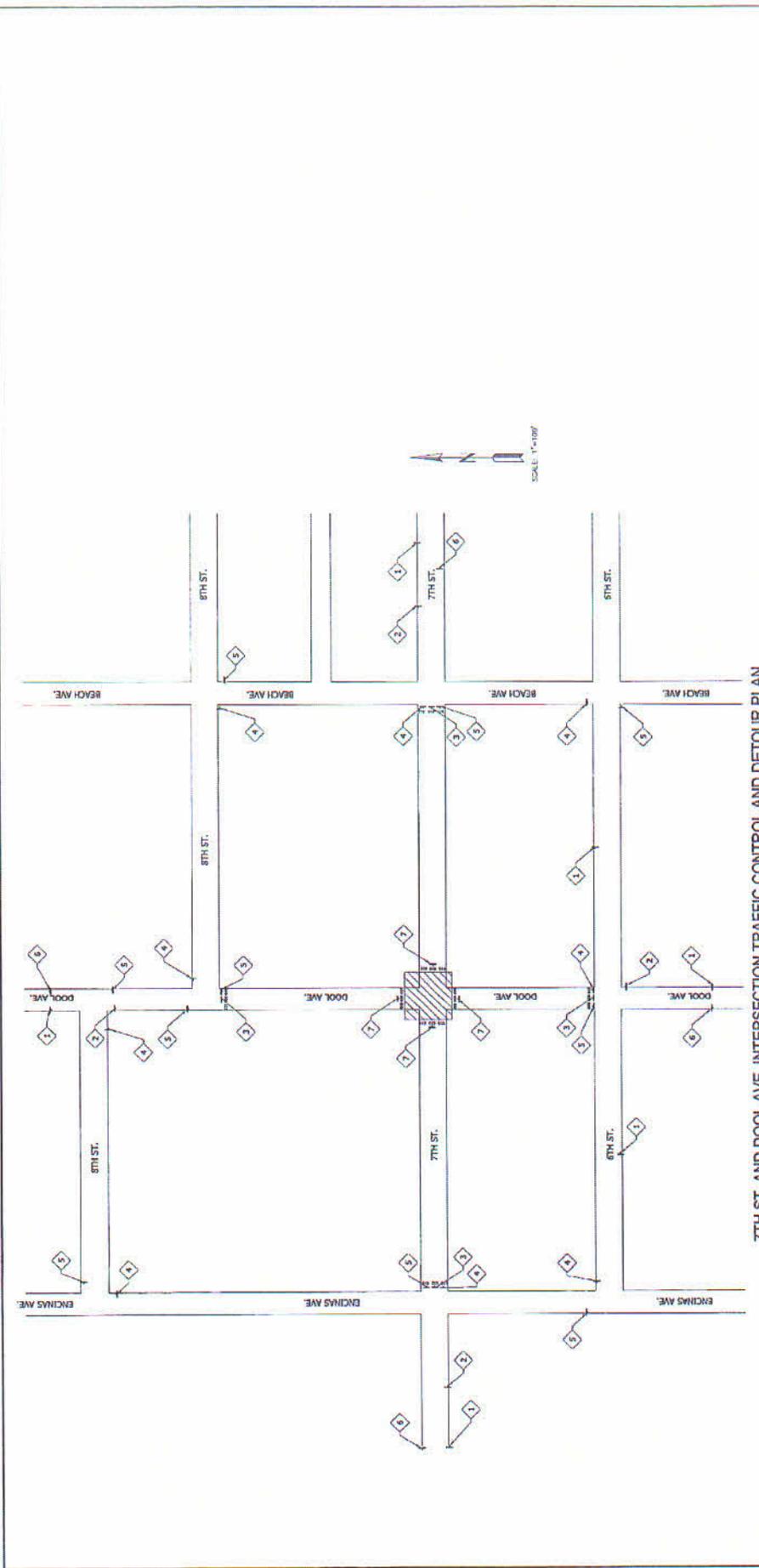
BEACH AVENUE

Dynamic CONSULTING ENGINEERS
 224 UNIVERSITY AND BUSINESS CENTER DRIVE
 119 S. IMPERIAL AVE. SUITE B, IMPERIAL, CA 92241
 TEL: (760) 932-2222 FAX: (760) 932-2223
 WWW.DYNAMICENGINEERS.COM

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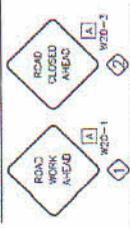
PROJECT NO. 811
 SHEET NO. 14 OF 22

DATE: 2/1/20	SCALE: 1"=40'	PROJECT: DOOL AVE AND BEACH AVE. EROSION AND SEDIMENT CONTROL	SHEET: 14 OF 22
DESIGNED BY: [Signature]	CHECKED BY: [Signature]	DATE PLOTTED: 2/1/20	DATE PRINTED: 2/1/20
APPROVED FOR CONSTRUCTION: 		DATE: 2/1/20	
CITY OF CALEFORNIA ENGINEERING SERVICES DEPARTMENT 100 WEST MAIN STREET, SUITE 100, CALEFORNIA, CA 92520			



7TH ST. AND DOOL AVE. INTERSECTION TRAFFIC CONTROL AND DETOUR PLAN

TRAFFIC SIGNS



ADDITIONAL NOTES

1. ALL INTERSECTIONS SHALL BE SIGNALIZED AT THE END OF THE WORK ZONE. CONTRACTOR MAY ELECT TO USE STEEL PLATES TO COVER INTERSECTIONS.
2. CONTRACTOR MAY ELECT TO ADDRESS AND PROVIDE ITS OWN TRAFFIC CONTROL AND DETOUR PLAN BASED ON ITS OWN APPROVAL AND REGARD OF CONSTRUCTION. APPROVED TRAFFIC CONTROL AND DETOUR PLAN WILL NEED TO BE REVIEWED AND APPROVED BY THE ENGINEER OF RECORD AND THE CITY OF CALIFORNIA PUBLIC WORKS DEPARTMENT.

TRAFFIC SIGNS



Dynamic
CONSULTING
ENGINEERS

2150 BOWLING GREEN BLVD., SUITE 200
DUBLIN, CA 94568
TEL: (925) 835-1100 FAX: (925) 835-1101
WWW.DYNAMICENGINEERS.COM

UNAUTHORIZED CHANGES AND USES:
Design Engineer will not be responsible for any changes or use of this plan for any purpose other than that intended by the engineer of record.

PROJECT DESCRIPTION:
7TH ST. AND DOOL AVE. INTERSECTION TRAFFIC CONTROL AND DETOUR PLAN FOR BEACH AVENUE WATER MAINS REPLACEMENT PROJECT

DATE: 12/15/11

SCALE: 1"=100'

DATE: 12/15/11

PROJECT: 7TH ST. AND DOOL AVE. INTERSECTION TRAFFIC CONTROL AND DETOUR PLAN FOR BEACH AVENUE WATER MAINS REPLACEMENT PROJECT

SCALE: 1"=100'

DATE: 12/15/11

PROJECT: 7TH ST. AND DOOL AVE. INTERSECTION TRAFFIC CONTROL AND DETOUR PLAN FOR BEACH AVENUE WATER MAINS REPLACEMENT PROJECT

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PROJECT: 7TH ST. AND DOOL AVE. INTERSECTION TRAFFIC CONTROL AND DETOUR PLAN FOR BEACH AVENUE WATER MAINS REPLACEMENT PROJECT

SCALE: 1"=100'

DATE: 12/15/11

PROJECT: 7TH ST. AND DOOL AVE. INTERSECTION TRAFFIC CONTROL AND DETOUR PLAN FOR BEACH AVENUE WATER MAINS REPLACEMENT PROJECT

SCALE: 1"=100'

DATE: 12/15/11

PROJECT: 7TH ST. AND DOOL AVE. INTERSECTION TRAFFIC CONTROL AND DETOUR PLAN FOR BEACH AVENUE WATER MAINS REPLACEMENT PROJECT

SCALE: 1"=100'

DATE: 12/15/11

PROJECT: 7TH ST. AND DOOL AVE. INTERSECTION TRAFFIC CONTROL AND DETOUR PLAN FOR BEACH AVENUE WATER MAINS REPLACEMENT PROJECT

SCALE: 1"=100'

DATE: 12/15/11

PROJECT: 7TH ST. AND DOOL AVE. INTERSECTION TRAFFIC CONTROL AND DETOUR PLAN FOR BEACH AVENUE WATER MAINS REPLACEMENT PROJECT

SCALE: 1"=100'

DATE: 12/15/11

PROJECT: 7TH ST. AND DOOL AVE. INTERSECTION TRAFFIC CONTROL AND DETOUR PLAN FOR BEACH AVENUE WATER MAINS REPLACEMENT PROJECT

SCALE: 1"=100'

DATE: 12/15/11

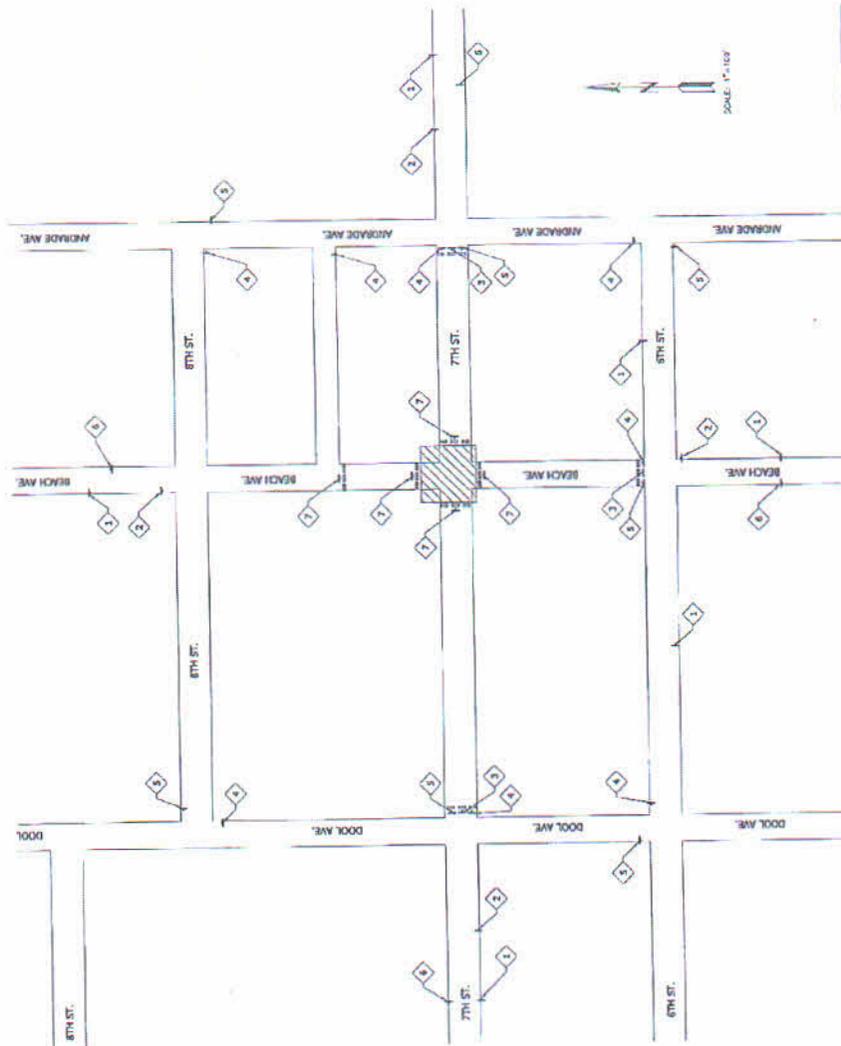
PROJECT: 7TH ST. AND DOOL AVE. INTERSECTION TRAFFIC CONTROL AND DETOUR PLAN FOR BEACH AVENUE WATER MAINS REPLACEMENT PROJECT

SCALE: 1"=100'

DATE: 12/15/11

PROJECT: 7TH ST. AND DOOL AVE. INTERSECTION TRAFFIC CONTROL AND DETOUR PLAN FOR BEACH AVENUE WATER MAINS REPLACEMENT PROJECT

SCALE: 1"=100'

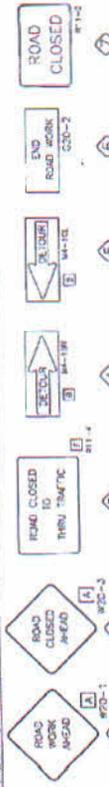


7TH ST. AND BEACH AVE. INTERSECTION TRAFFIC CONTROL AND DETOUR PLAN

ADDITIONAL NOTES

1. ALL TRUCKS SHALL BE EQUIPPED AT THE END OF THE WORK DAY. CONSTRUCTION MAY ELECT TO USE STEEL PLATES TO COVER TIRES.
2. CONTRACTORS MAY ELECT TO APPROVE AND PROVIDE THEIR OWN TRAFFIC CONTROL AND DETOUR PLAN BASED ON THEIR OWN METHODS AND VIEWS OF CONSTRUCTION. THOUGH TRAFFIC CONTROL AND DETOUR PLAN WILL NEED TO BE REVIEWED AND APPROVED BY THE ENGINEER OF RECORD AND THE CITY OF CALEICO PUBLIC WORKS DEPARTMENT.

TRAFFIC SIGNS



DATE: _____ BY: _____

REVISION COMPLETE

CITY OF CALEICO
 DEVELOPMENT SERVICES DEPARTMENT
 ENGINEERING DIVISION
 1000 W. 10TH ST., SUITE 100
 CALEICO, CO 80510

APPROVED FOR CONSTRUCTION

DATE: 2/21/2008

FOR THE CITY ENGINEER



ENGINEER OF RECORD

DATE: 2/21/2008

DATE: 2/21/2008

PROJECT DESCRIPTION: 2ND STREET, DOOL AVENUE AND BEACH AVENUE INTERSECTION RELOCATION PROJECT

SCALE: 1" = 100'

DATE: 2/21/2008

Dynamic CONSULTING ENGINEERS

2000 UNIVERSITY AVENUE, SUITE 100, DENVER, CO 80202
 TEL: 303.733.8888 FAX: 303.733.8889

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PROJECT TITLE: TRAFFIC CONTROL AND DETOUR PLAN FOR BEACH AVENUE INTERSECTION

DATE: 2/21/2008

SCALE: 1" = 100'

DATE: 2/21/2008