



Pure Water North City Phase 1 Construction Projects
Community Working Group Meeting 2 – Bay Park/Morena

Date: July 19, 2018, 4:30 p.m. - 8 p.m.
Location: South Clairemont Recreation Center

Meeting Agenda

4:30	Welcome	B. Eidson
4:35	Agenda Introductions	N. Hentschel
4:45	Follow-up Items and Plan Overview	J. Long/S. McCarty
6:00	DINNER	
6:30	Construction Topics and Key Area Overview & Discussion <ul style="list-style-type: none">• <i>Work schedule restrictions</i>• <i>Construction phasing</i>• <i>Traffic control</i>• <i>Noise</i>	J. Long/S. McCarty
7:45	Public Comment	N. Hentschel
7:55	Closing and Next Steps	N. Hentschel

Pure Water San Diego Phase 1 Bay Park/Morena Working Group: Meeting 2

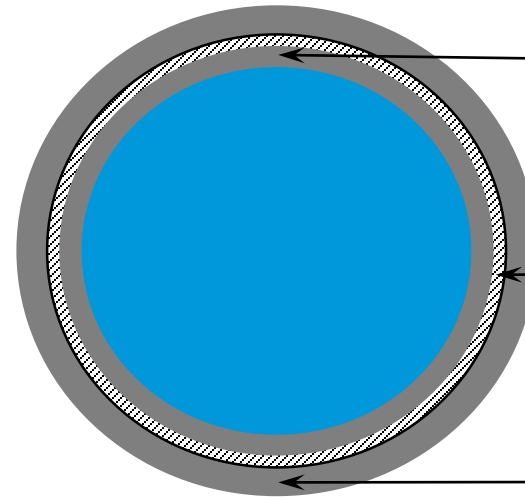
July 19, 2018

- Welcome
- Agenda/Introductions
- Follow-up Items and Plan Overview
- DINNER
- Construction Topics and Key Area Overview & Discussion
 - *Work schedule restrictions*
 - *Construction phasing*
 - *Traffic control*
 - *Noise*
- Public Comment
- Closing/Next Steps

Follow-up Items and Plan Review

Joe Long and Sean McCarty

Steel Pipeline Construction



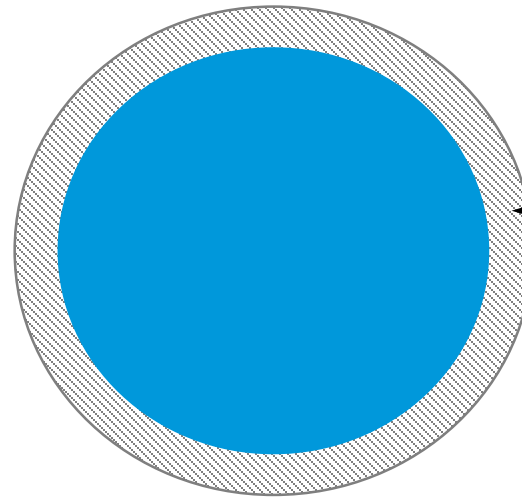
1" thick Mortar Lined Pipeline Coating
(abrasion and corrosion inhibitor)

Steel Cylinder Pipeline
(minimum thickness 1/4")

Mortar Coating Taped Wrapped Protective Layer

Nominal Pipe Diameter (inches)	Steel Pipe Thickness (inches)	Allowable Working Pressure w/ FS = 2 (psi)
48	1/4	178 psi
48	5/16	222 psi
48	3/8	266 psi
48	1/2	352 psi
42	1/2	400 psi

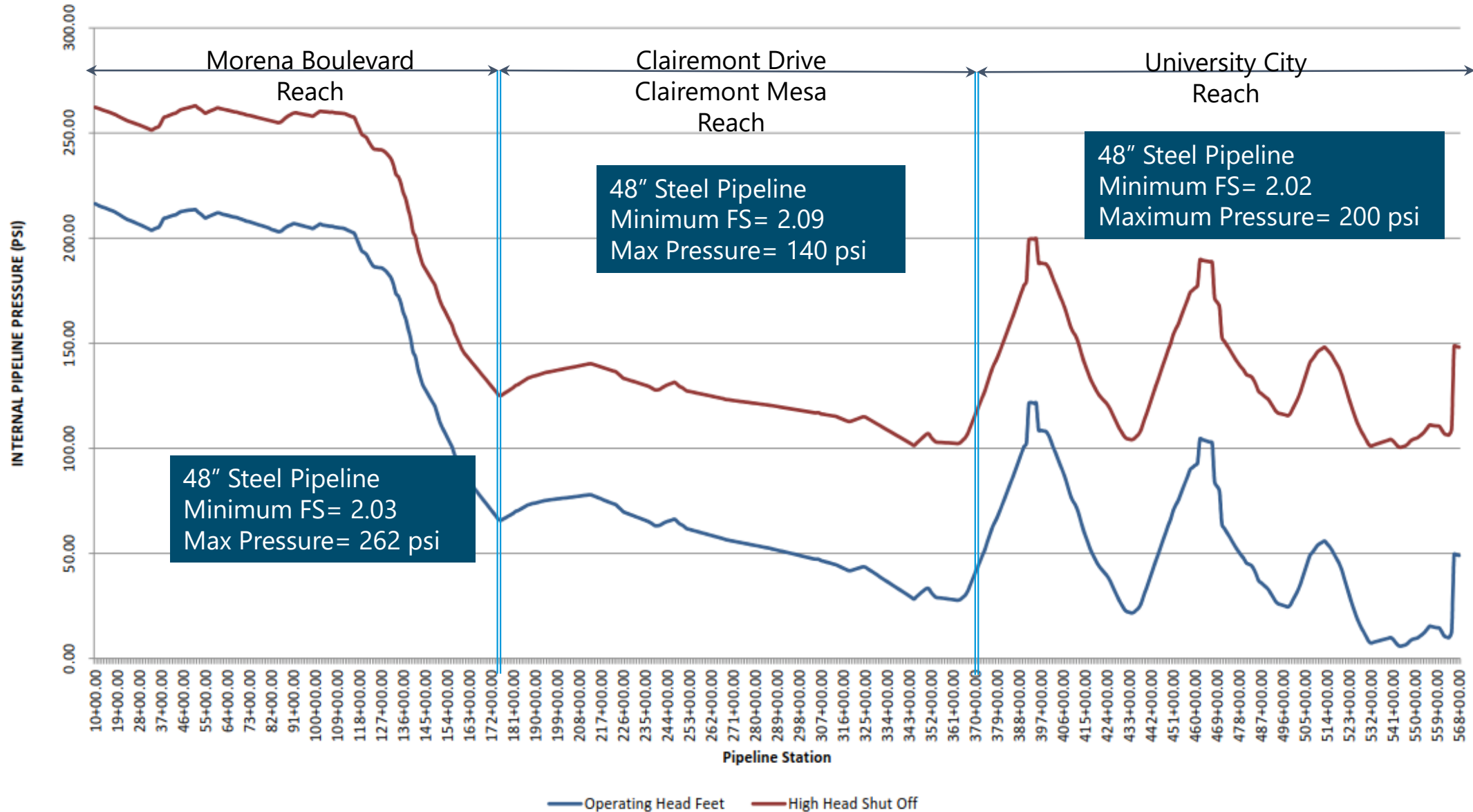
HDPE Pipeline Construction



HDPE Cylinder Pipeline
Hydrostatic Design Basis:
1,600 psi @ 74 degrees F
1,000 psi @ 140 degrees F
Butt Fused Welding

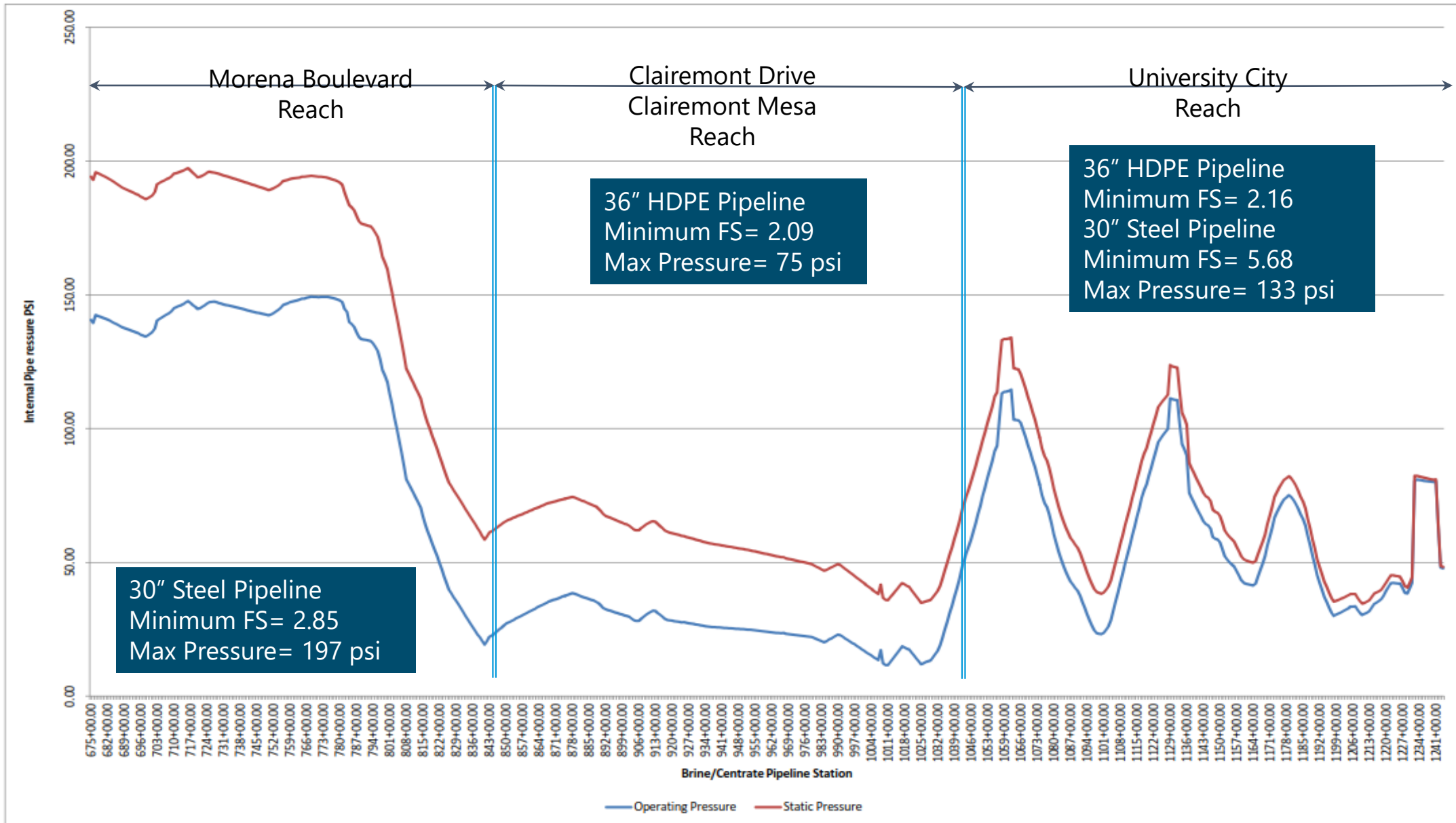
Outside Pipe Diameter (inches)	HDPE Wall Thickness (inches)	Allowable Working Pressure (psi)
36 (SDR-11)	3.273	200 psi
36 (SDR-13.35)	2.667	160 psi

Pipeline Operating Pressures (Force Main)



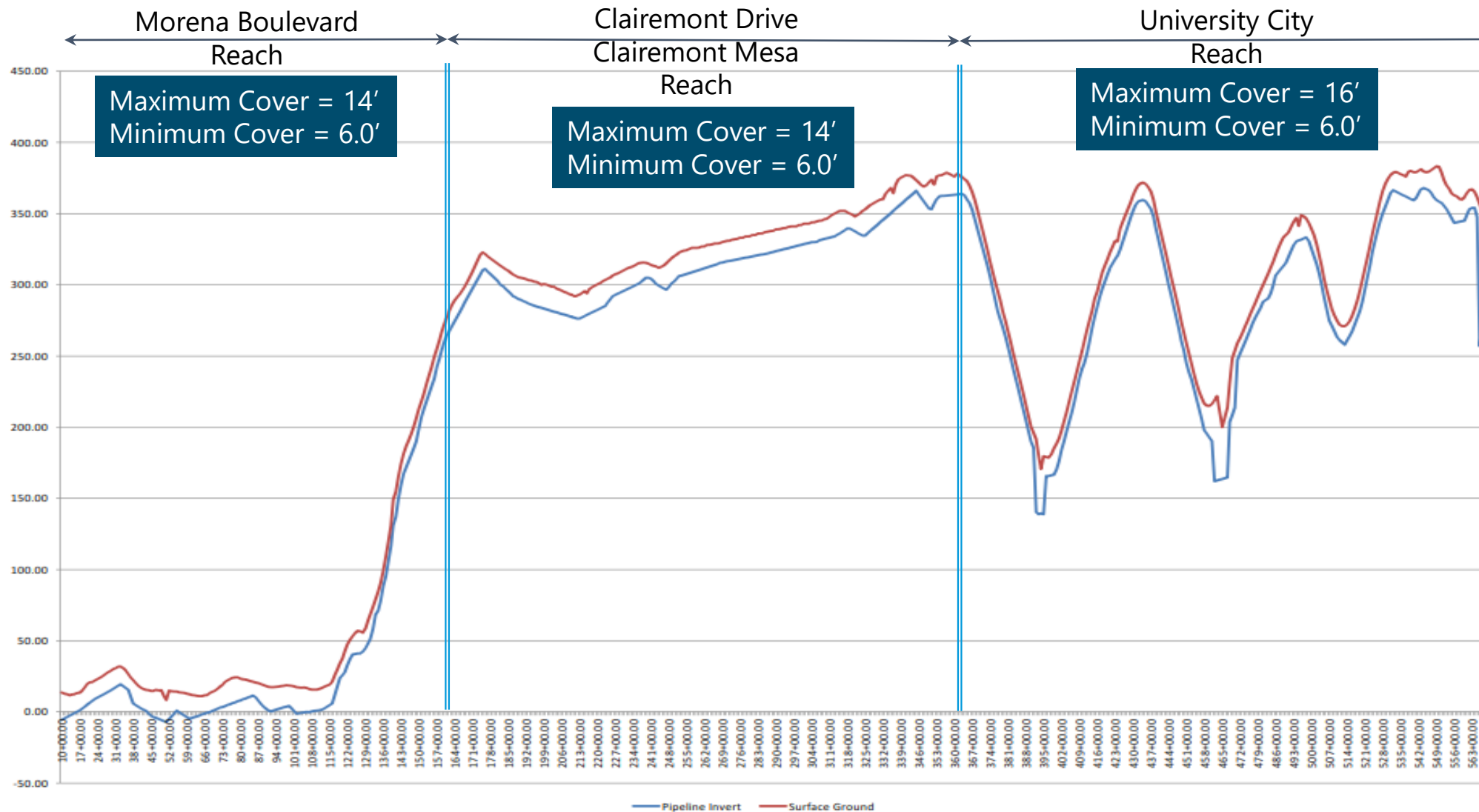
FS= factor of safety

Pipeline Operating Pressures (Brine/Centrates)

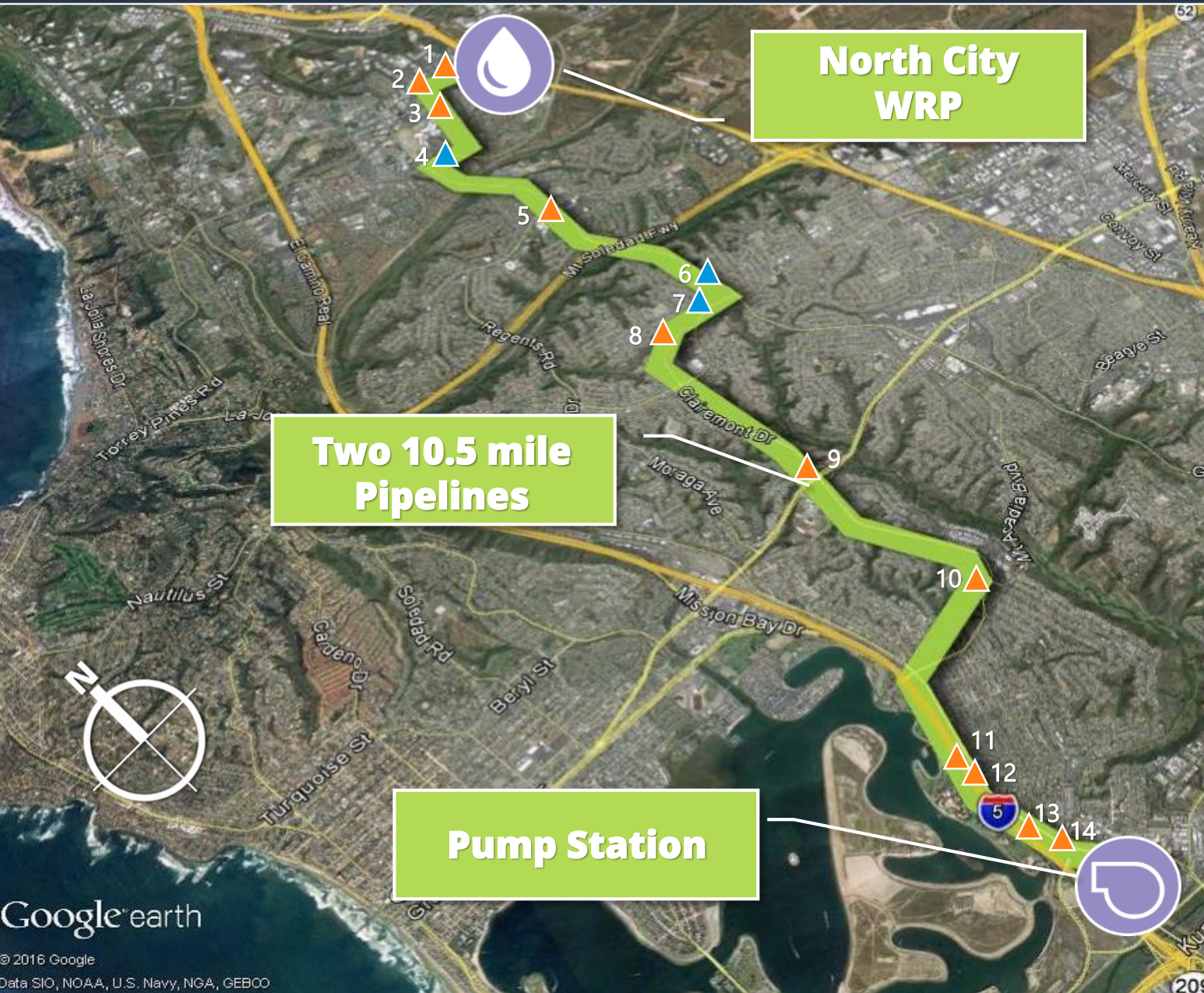


FS= factor of safety

Minimum Cover Depth of Pipelines



SD Morena Pipelines Air Vent Locations



■ 14 Air Vent Locations

- 11 Commercial/Industrial
- 3 Residential

■ Designed to Mitigate Potential Noxious Odors:

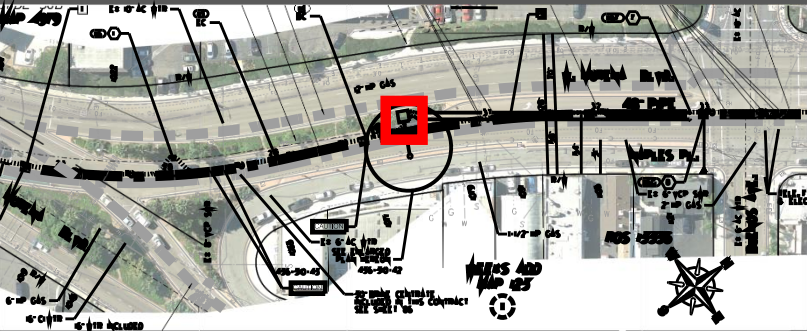
- High-Purity Oxygen
- Carbon Filters

No.	Address	No.	Address
1	4570 Executive Dr.	8	4921 Clairemont Dr.
2	9255 Towne Center Dr.	9	4220 Balboa Ave.
3	4579 Towne Center Dr.	10	3090 Clairemont Dr.
4	4428 Nobel Dr.	11	RR Tracks across City Chevrolet
5	3860 Governor Dr.	12	RR Tracks at Littlefield St.
6	4490 Appleton St.	13	1503 W. Morena Blvd.
7	4426 Clairemont Mesa Blvd.	14	5199 Naples Pl.

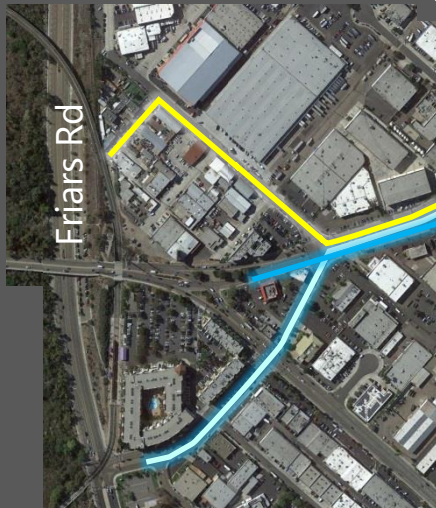
Bay Park/Morena Community

NORTH

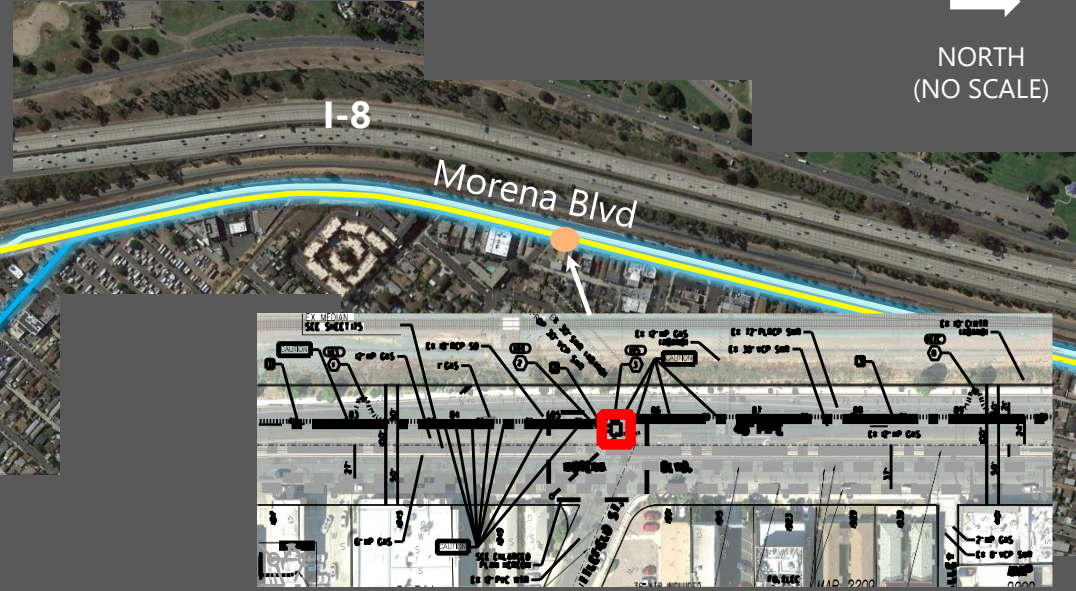
 (NO SCALE)



Air Release Valve (ARV) Location – W Morena Blvd and Buenos Ave



Air Release Valve (ARV) Location – Morena Blvd and Tecolote Creek



Air Release Valve (ARV) Location – Morena Blvd and Littlefield St

LEGEND

- Pure Water Facilities Pipeline
- Air-Vac Release Valves
- Water Transmission Pipeline



Bay Park/Morena Community



Air Release Valve (ARV) Location – Morena Blvd and Milton St

Air Release Valve (ARV) Location – Clairemont Dr and Iroquois Ave

LEGEND

Pure Water Facilities Pipeline
 Air-Vac Release Valves
 Water Transmission Pipeline



Existing Street Conditions

- 2015 Data Available at: <http://streets.sandiego.gov/#>
- Overall Condition Index (OCI) is a measure of the pavement condition as assessed by specialized pavement engineering consultants
- City updates this data every 4 years
- OCI varies between zero (0) and one hundred (100)
- The City of San Diego has distributed the OCI scale into these categories:
 - 70 to 100 *GOOD*
 - 40 to 69 *FAIR*
 - 0 to 39 *POOR*
- Due to the proposed plan being based on 3 year old data, the design team reached out to the Streets Division for concurrence and have implemented their input.

- Assessment of condition of the sewers in the Bay Park/Morena area
- Utility relocations
- Effect of new pipes on existing pipes
- Morena Corridor Specific Plan
 - *PM: Michael Prinz, Senior Planner*
MPrinz@sandiego.gov
 - Public Review Draft:
[https://www.sandiego.gov/sites/default/files/morena_corridor_specific_plan -
public review draft 170615 0.pdf](https://www.sandiego.gov/sites/default/files/morena_corridor_specific_plan_-_public_review_draft_170615_0.pdf)

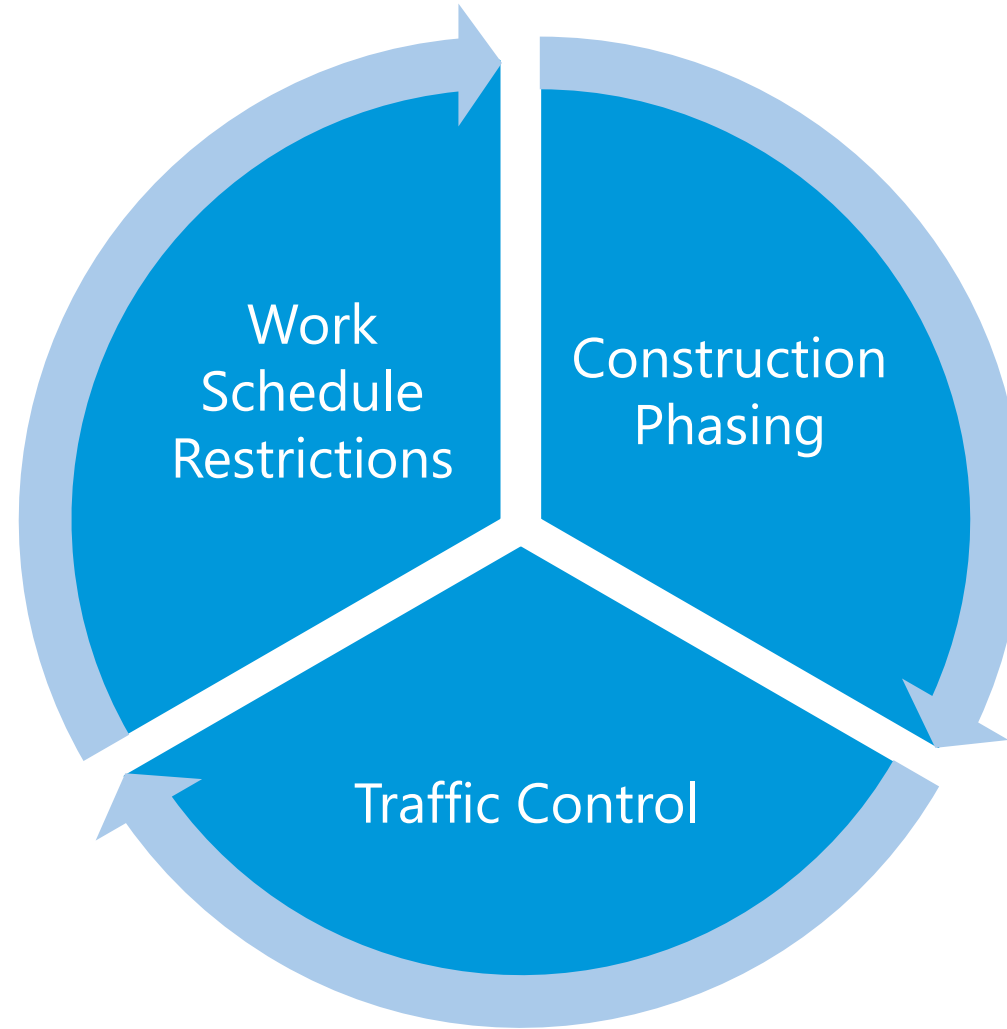
Plan Overview

Construction Topics and Key Area Overview and Discussion

Sean McCarty and Joe Long

Working Group Topics

1. Multiple disruptions and project coordination ✓
2. Street restoration ✓
3. Air quality/**noise**
4. Staging areas/parking
5. Environmental monitoring
- 6. Traffic control/signage**
- 7. Special stakeholder access needs**
8. Outreach, communication and notifications
- 9. Work restrictions and construction phasing**
- 10. Working days and hours**
11. Construction monitoring





General Work Days and Hours

- Day: Monday to Friday
8:00 AM to 4:00 PM
- Night: Sunday to Thursday
9:00 PM to 5:00 AM
- No work on Sundays or holidays

What Work Days and Hours work best for Bay Park and Morena?



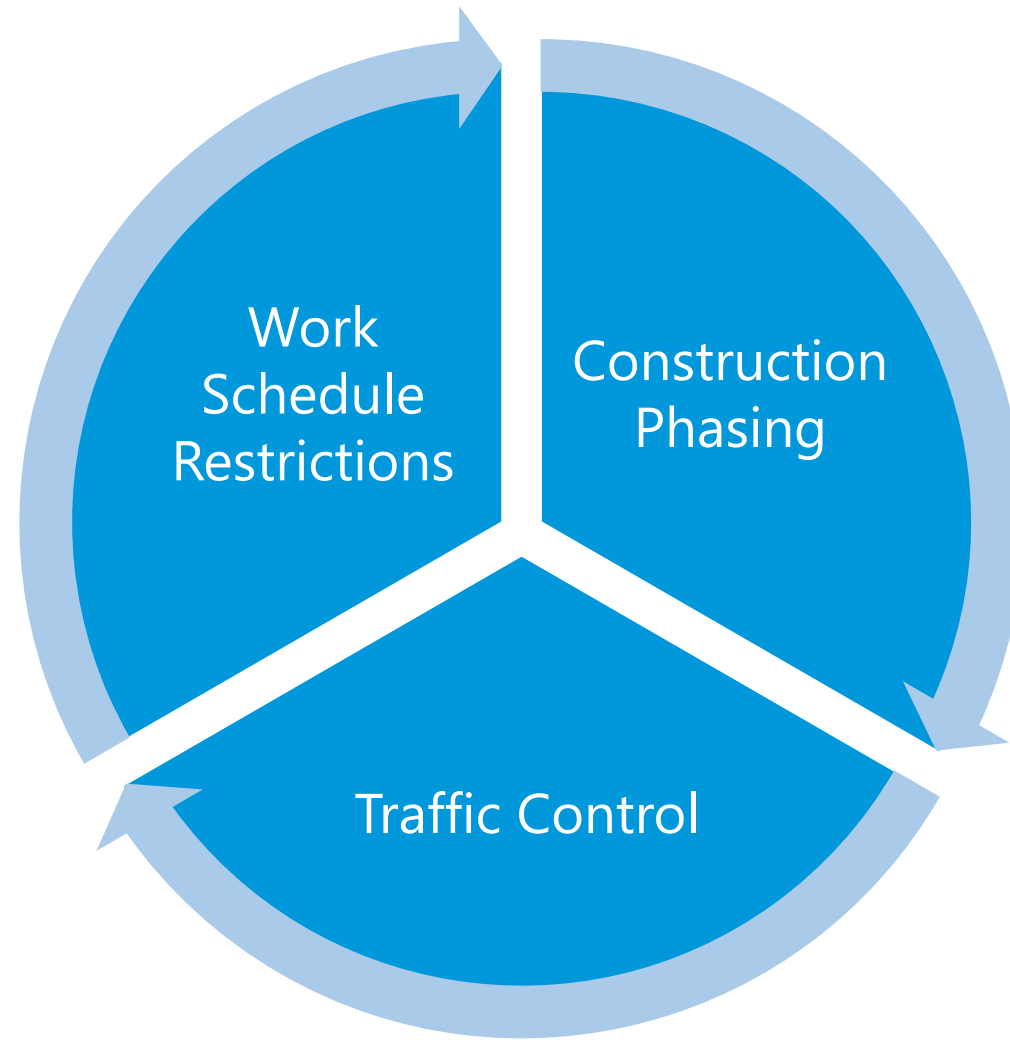
- Work does not have to progress sequentially from one end of the alignment to the other
- Some locations can be skipped and returned to
- Special community events can be scheduled around

Any community-specific information the team should be aware of?



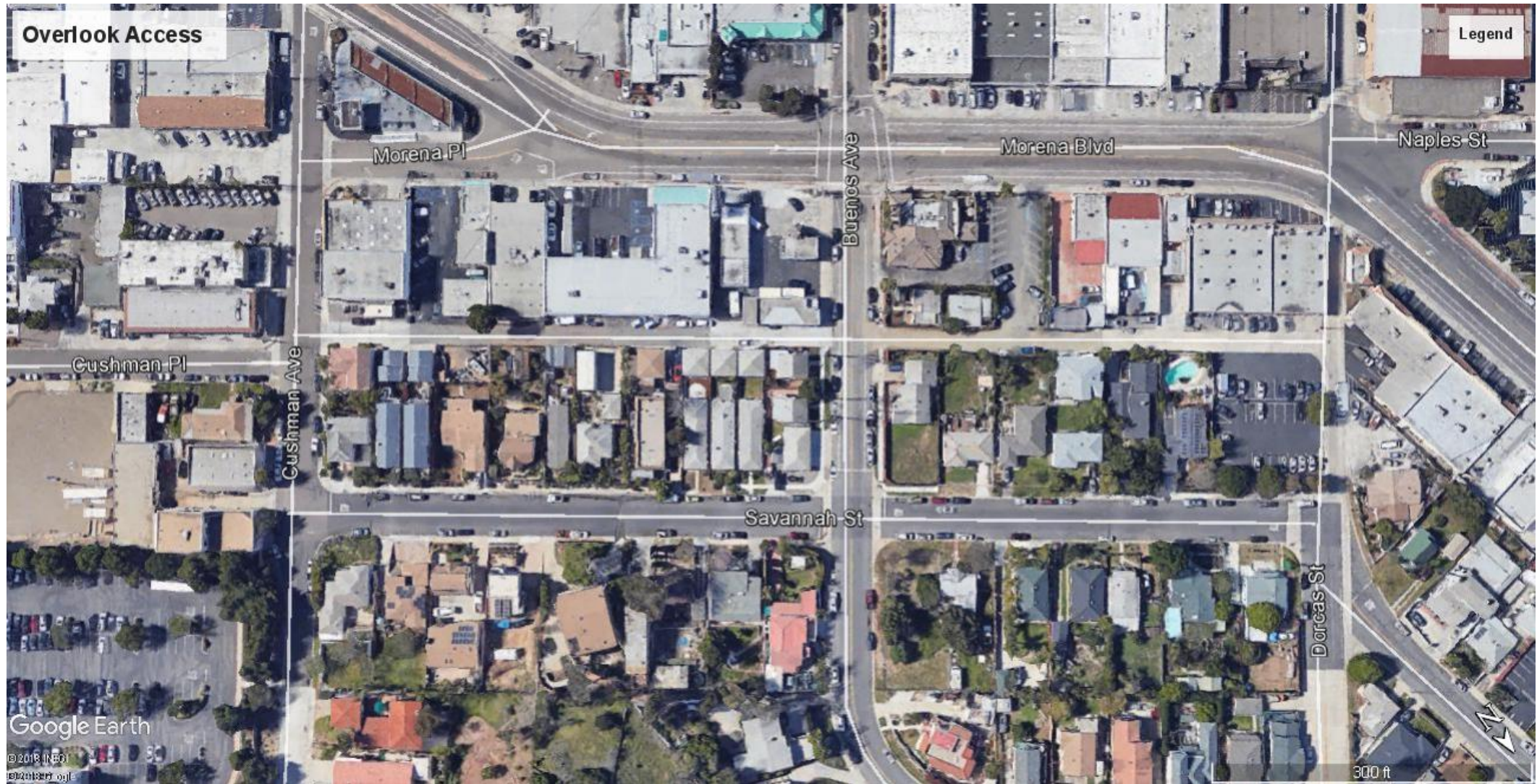
- Maintain one lane of travel in each direction during work hours on major arterials
- Maximize street access during non-work hours
- Limit/avoid detours

Any unique characteristics that the team should be aware of?



- For construction work at night, the Contractor is required to obtain noise permits from the Development Services Department. To obtain the permit, the Contractor is required to:
 - *Submit Noise Permit application and payment*
 - *Submit proof they notified the residents and businesses within 500-ft radius of the work site by providing those addresses and each of their signatures*
- Contractor will be required to distribute flyers to those homes and businesses 72 hours in advance of work, that will include the following information:
 - *Hours*
 - *Duration of work*
 - *24 hour contact name and telephone number*
 - *Code Enforcement Division telephone number*

Morena Boulevard and Buenos Avenue



Denver Street and Jellett (Bay Park Elementary)



Q&A and Group Discussion

Public Comment

Closing/Next Steps

NC Morena pump station and pipeline package B

Street Name	From	To	OCI	OCI Description	Functional Classification
CUSTER ST	SHERMAN ST	END	64.63	Fair	RESIDENTIAL
SHERMAN ST	CUSTER ST	BANKS ST	77.47	Good	RESIDENTIAL
SHERMAN ST	BANKS ST	GRANT ST	88.66	Good	RESIDENTIAL
SHERMAN ST	GRANT ST	MORENA BL	78.89	Good	RESIDENTIAL
MORENA BL	NAPA ST	WEST MORENA BL	46.07	Fair	MAJOR
WEST MORENA BL	MORENA BL	BUENOS AV	87.48	Good	MAJOR
WEST MORENA BL	BUENOS AV	VEGA ST	100	Good	MAJOR
WEST MORENA BL	VEGA ST	TECOLOTE RD	100	Good	MAJOR
WEST MORENA BL	TECOLOTE RD	MORENA BL	80	Good	MAJOR
MORENA BL	WEST MORENA BL	ASHER ST	80	Good	MAJOR
MORENA BL	ASHER ST	LITTLEFIELD ST	80	Good	MAJOR
MORENA BL	LITTLEFIELD ST	ASHTON ST	80	Good	MAJOR
MORENA BL	ASHTON ST	NAPIER ST	80	Good	MAJOR
MORENA BL	NAPIER ST	MILTON ST	80	Good	MAJOR
MORENA BL	MILTON ST	LISTER ST	80	Good	MAJOR
MORENA BL	LISTER ST	KANE ST	80	Good	MAJOR
MORENA BL	KANE ST	JELLETT ST	80	Good	MAJOR
JELLETT ST	MORENA BL	CHICAGO ST	72.73	Good	RESIDENTIAL
JELLETT ST	CHICAGO ST	DENVER ST	80.25	Good	RESIDENTIAL
DENVER ST	JELLETT ST	INGULF ST	64.71	Fair	RESIDENTIAL
DENVER ST	INGULF ST	CLAIREMONT DR	41.32	Fair	RESIDENTIAL
CLAIREMONT DR	DENVER ST	ERIE ST	46.5	Fair	MAJOR
CLAIREMONT DR	ERIE ST	GALVESTON ST	47.55	Fair	MAJOR
CLAIREMONT DR	GALVESTON ST	HARTFORD CT	35.06	Poor	MAJOR
CLAIREMONT DR	HARTFORD CT	CLAIREMONT CT	51.24	Fair	MAJOR
CLAIREMONT DR	CLAIREMONT CT	EDISON ST	41.01	Fair	MAJOR
CLAIREMONT DR	EDISON ST	FAIRFIELD ST	53.73	Fair	MAJOR
CLAIREMONT DR	FAIRFIELD ST	BURGENER BL	56.54	Fair	MAJOR
CLAIREMONT DR	BURGENER BL	IROQUOIS AV	64	Fair	MAJOR
CLAIREMONT DR	IROQUOIS AV	CALLE NEIL	65.31	Fair	MAJOR
CLAIREMONT DR	CALLE NEIL	BLACKFOOT AV	53.93	Fair	MAJOR
CLAIREMONT DR	BLACKFOOT AV	KNAPP ST	50.41	Fair	MAJOR
CLAIREMONT DR	KNAPP ST	DAKOTA DR	45.97	Fair	MAJOR
CLAIREMONT DR	DAKOTA DR	RAPPAHANNOCK AV	47.52	Fair	MAJOR
CLAIREMONT DR	RAPPAHANNOCK AV	UTE DR	47.49	Fair	MAJOR
CLAIREMONT DR	UTE DR	BALBOA AV	44.37	Fair	MAJOR
CLAIREMONT DR	BALBOA AV	CHIPPEWA CT	79.53	Good	MAJOR
CLAIREMONT DR	CHIPPEWA CT	DALLES AV	96.24	Good	MAJOR
CLAIREMONT DR	DALLES AV	EMET CT	77.67	Good	MAJOR
CLAIREMONT DR	EMET CT	FEATHER AV	82.38	Good	MAJOR
CLAIREMONT DR	FEATHER AV	GILA AV	76.89	Good	MAJOR
CLAIREMONT DR	GILA AV	FEATHER AV	78.06	Good	MAJOR
CLAIREMONT DR	FEATHER AV	HIAWATHA WY	90	Good	MAJOR
CLAIREMONT DR	HIAWATHA WY	INDIAN WY	78.92	Good	MAJOR
CLAIREMONT DR	INDIAN WY	JOPLIN AV	78.1	Good	MAJOR
CLAIREMONT DR	JOPLIN AV	CLAIREMONT MESA BL	88.95	Good	MAJOR
CLAIREMONT DR	CLAIREMONT MESA BL	LAKEHURST AV	92.97	Good	MAJOR
CLAIREMONT DR	LAKEHURST AV	MERRIMAC AV	90.7	Good	MAJOR
CLAIREMONT DR	MERRIMAC AV	COLE ST	90.37	Good	MAJOR
CLAIREMONT DR	COLE ST	CLAIREMONT MESA BL	66.44	Fair	MAJOR
CLAIREMONT MESA BL	CLAIREMONT DR	DUBOIS DR	94.36	Good	MAJOR
CLAIREMONT MESA BL	DUBOIS DR	GENESEE AV	90.52	Good	MAJOR
GENESEE AV	CLAIREMONT MESA BL	CONRAD AV	49.35	Fair	MAJOR
GENESEE AV	CONRAD AV	APPLETON ST	71.05	Good	MAJOR
GENESEE AV	APPLETON ST	APRIL CT	93.15	Good	MAJOR
GENESEE AV	APRIL CT	RADCLIFFE LN	93.72	Good	MAJOR
GENESEE AV	RADCLIFFE LN	GOVERNOR DR	89.93	Good	MAJOR
GENESEE AV	GOVERNOR DR	GENESEE CV (La Jolla Park East)	95.3	Good	MAJOR
GENESEE AV	GENESEE CV (La Jolla Park East)	CALGARY DR	95.34	Good	MAJOR

GENESEE AV	CALGARY DR	LUIGI TR	95	Good	MAJOR
GENESEE AV	LUIGI TR	DECORO ST	89.68	Good	MAJOR
GENESEE AV	DECORO ST	NOBEL DR	89.56	Good	MAJOR
NOBEL DR	GENESEE AV	LOMBARD PL	74.98	Good	MAJOR
NOBEL DR	LOMBARD PL	AVNDA LA BAHIA	82.63	Good	MAJOR
TOWNE CENTRE DR	AVNDA LA BAHIA	RENAISSANCE AV	86.74	Good	MAJOR
TOWNE CENTRE DR	RENAISSANCE AV	EXCALIBUR WY	88.57	Good	MAJOR
TOWNE CENTRE DR	EXCALIBUR WY	GOLDEN HAVEN DR	85.63	Good	MAJOR
TOWNE CENTRE DR	GOLDEN HAVEN DR	LA JOLLA VILLAGE DR	82.17	Good	MAJOR
TOWNE CENTRE DR	LA JOLLA VILLAGE DR	EXECUTIVE DR	69.74	Fair	MAJOR
EXECUTIVE DR	TOWNE CENTRE DR	JUDICIAL DR	66.32	Fair	MAJOR

MORENA PIPELINES - PACKAGE C

Street Name	From	To	OCI	OCI Description	Functional Classification
NAPA ST	FRIARS RD	GAINES ST	76.61	Good	COLLECTOR
NAPA ST	GAINES ST	RILEY ST	87.52	Good	COLLECTOR
NAPA ST	RILEY ST	LINDA VISTA RD	83.82	Good	COLLECTOR
NAPA ST	LINDA VISTA RD	MORENA BL	81.24	Good	COLLECTOR
MORENA BL	FRIARS RD	LINDA VISTA RD	52.69	Fair	MAJOR
MORENA BL	LINDA VISTA RD	NAPA ST	34.65	Poor	MAJOR
MORENA BL	NAPA ST	WEST MORENA BL	46.07	Fair	MAJOR
MORENA BL	WEST MORENA BL	CUSHMAN AV	87.03	Good	MAJOR
MORENA BL	CUSHMAN AV	MORENA PL	81.82	Good	MAJOR
MORENA BL	MORENA PL	BUENOS AV	40.93	Fair	MAJOR
MORENA BL	BUENOS AV	DORCAS ST	49.05	Fair	MAJOR
MORENA BL	DORCAS ST	SAVANNAH ST	71.84	Good	MAJOR
MORENA BL	SAVANNAH ST	VIOLA ST	49.11	Fair	MAJOR
MORENA BL	VIOLA ST	TECOLOTE RD	52.33	Fair	MAJOR
WEST MORENA BL	MORENA BL	BUENOS AV	87.48	Good	MAJOR
WEST MORENA BL	BUENOS AV	VEGA ST	100	Good	MAJOR
WEST MORENA BL	VEGA ST	TECOLOTE RD	100	Good	MAJOR
WEST MORENA BL	TECOLOTE RD	MORENA BL	80	Good	MAJOR
MORENA BL	JELLETT ST	INGULF ST	80	Good	MAJOR
MORENA BL	INGULF ST	CLAIREMONT DR	80	Good	MAJOR
MORENA BL	CLAIREMONT DR	GESNER ST	80	Good	MAJOR
MORENA BL	GESNER ST	MC GRAW ST	80	Good	MAJOR
MORENA BL	MC GRAW ST	BAKER ST	70.19	Good	MAJOR
MORENA BL	BAKER ST	TICONDEROGA ST	42.12	Fair	MAJOR
MORENA BL	TICONDEROGA ST	PAUL JONES AV	57.17	Fair	MAJOR
MORENA BL	PAUL JONES AV	MORENA BL RA	42.82	Fair	MAJOR