March 3, 2023

CITY OF MERCED
DEPARTMENT OF ENGINEERING
678 W. 18th Street, Merced, CA 95340

ADDENDUM NO. 5

To **ALL PROSPECTIVE BIDDERS**
Under Specifications for the Construction of the

REGIONAL PARK RESTROOMS
PROJECT NUMBER 122013

For which bids are to be received by the City of Merced Purchasing Agent, at the Purchasing Conference Room, at 2525 "O" St., Merced, CA 95340, until 2:00 pm on Thursday, March 16, 2023.

The following revisions to the Plans shall be made:

Item 1: **PLANS – Sheets 4, 6, 8, 11, 12, 13 and 15 have been revised and attached to this Addendum.**

The following revision to the specifications shall be made:

Item 1: **SPECIFICATIONS: – PAGE 1, NOTICE INVITING BIDS – N-1,** replace "2:00 pm on January 31, 2023" **with "2:00 pm on March 16th, 2023"**

Item 2: **SPECIFICATIONS: – PAGE 2, NOTICE INVITING BIDS – N-9,** replace "January 31, 2023, at 2:00 pm" **with "March 16, 2023, at 2:00 pm"**

Item 3: **SPECIFICATIONS: – PAGE 2, NOTICE INVITING BIDS – N-11,** replace "2:00 pm on January 31, 2023" **with "2:00 pm on February 23, 2023"** and replace "January 31, 2023, at 2:00 pm", with **"March 16, 2023, at 2:00 pm"**

Item 4: **SPECIFICATIONS: – PAGE XII, BID FORMS – 1.1 BID,** replace "2:00 pm on January 31, 2023" **with "2:00 pm on March 16, 2023"**

Item 5: **SPECIFICATIONS: – PAGE III, ADDENDA, add:** The last day to submit questions for the project will be March 8, 2023, at 5:00 pm. Any questions submitted after the deadline will not be answered.

Item 6: **SPECIFICATIONS: – BASE BID SCHEDULE -REGIONAL PARK RESTROOMS – RAHILLY & MCNAMARA page XIII – Bid schedule modified. New bid schedule is attached to this Addendum.**

Item 7: **SPECIFICATIONS: – ALTERNATE #1 BID SCHEDULE – REGIONAL PARK RESTROOMS – APPLEGATE page XIV – Bid schedule modified. New bid schedule is attached to this Addendum.**

Item 8: **SPECIFICATIONS: – ALTERNATE #2 BID SCHEDULE – REGIONAL PARK RESTROOMS – FAHRENS page XV – Bid schedule modified. New bid schedule is attached to this Addendum.**

Item 9: **SPECIFICATIONS: – Item "CONSTRUCTION CONTRACT" 3. Terms, 3.3 Period of Performance and Liquidated Damages was revised to read as follows:**
3.3 Period of Performance and Liquidated Damages. Contractor shall perform and complete all Work under this Contract within **60 working days**, beginning the effective date of the Notice to Proceed ("Contract Time"). Contractor shall perform its Work in strict accordance with any completion schedule, construction schedule or project milestones developed by the City. Such schedules or milestones may be included as part of Exhibits "A" or "B" attached hereto, or may be provided separately in writing to Contractor. Contractor agrees that if such Work is not completed within the aforementioned Contract Time and/or pursuant to any such completion schedule, construction schedule or project milestones developed pursuant to provisions of the Contract, it is understood, acknowledged and agreed that the City will suffer damage. Pursuant to Government Code Section 53069.85, Contractor shall pay to the City as fixed and liquidated damages the sum of **$3500 per day** for each and every calendar day of delay beyond the Contract Time or beyond any completion schedule, construction schedule or Project milestones established pursuant to the Contract.

Item 10: **SPECIFICATIONS: – EXHIBIT "B" PLANS AND SPECIFICATION was updated and replaced in its entirety pages 27 – 64. New Exhibit B is attached to this Addendum. Items added are in italic and underlined. Items removed are strikethrough.**

Michael R. Beltran II, P.E.
City Engineer

Name of Bidder or Firm: _____

THIS ADDENDUM MUST BE SIGNED AND RETURNED WITH BID PROPOSAL.

ADDENDUM NO. 5 has been received and incorporated into the bid proposal.

Received By: _____

Date :_____ Planholder : _____

NOTE: RECEIPT OF THIS ADDENDUM MUST ALSO BE ACKNOWLEDGED IN THE CONTRACTOR'S BID PROPOSAL.

CONSTRUCTION LEGEND

1 — NEW CONCRETE FLOOR

ACCESSIBLE PATH OF TRAVEL

EXISTING BUILDING

CONSTRUCTION NOTES

1. CONTRACTOR TO SUPPLY ELECTRICAL STUB, WATER SUPPLY AND SEWER PIPE TO APPROPRIATE BLOCKOUT LOCATIONS INDICATED PER RESTROOM BUILDING MANUFACTURER'S PLANS.
1 2. ~~CONTRACTOR SHALL PREPARE AGGREGATE BASE AND SUB-BASE INSTALLATION OF PRECAST RESTROOM BUILDING. COMPACT PER NOTES ON SHEET 2.~~
3. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING PUBLIC SAFETY AND CONVENIENCE
4. CONTRACTOR TO PROVIDE ANY EROSION CONTROL, IF NEEDED, PRIOR TO BEGINNING CONSTRUCTION.
5. SEE DETAIL SHEETS 17 AND 18 FOR ALL UTILITY DETAILS.
1 6. NEW FIXTURES TO INCLUDE GRAB BARS, TOILET PAPER, TOILET AND SEAT COVER DISPENSER, SANITARY NAPKIN DISPENSER, HAND DRYER AND SOAP DISPENSER. SEE DETAIL 1 AND 3, SHEET 13

RAHILLY PARK

FLYING CIR CT

PATCH AND REPAIR (E) WALL

(N) EXTERIOR METAL DOOR

9'-9"

9'-3"

4" LANDING

NEW RESTROOM FIXTURES, SEE NOTE 6

1 REPLACE EXISTING PLUMBING WITH SS.

25'-0"

4" LANDING

(E) BUILDING TO REMAIN.

(N) EXTERIOR METAL DOOR

ACCESSIBLE PATH OF TRAVEL

(E) LAWN AREA

(E) ACCESSIBLE PARKING

(E) LAWN AREA

(E) LAWN AREA

ELEC.

SD

SS

CO

E

1 LAYOUT INDEX PLAN (RAHILLY PARK)
SCALE: 1" = 20'

NO.	DATE	BY	REVISION MADE
1	2/15/2023	VM	New concrete flooring item deleted
1	2/15/2023	VM	Remove construction note #2. Not needed.
1	2/15/2023	VM	Added plumbing to be replaced with SS.
1	2/15/2023	VM	Added toilet to construction note #6 and changed sheet #.

Underground Service Alert
TWO DAYS BEFORE YOU DIG
Call : TOLL FREE 1 (800) 642 - 2444

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL TAKE PREFERENCE OVER SCALED DIMENSIONS AND SHALL BE VERIFIED ON THE SITE ANY DISCREPANCY SHALL BE BROUGHT TO NOTICE OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF ANY WORK.

City of Merced
"Gateway to Yosemite"
DEPARTMENT OF ENGINEERING
ENGINEERING PROJECTS AND STANDARDS
678 W 18th Street (209) 385-6846

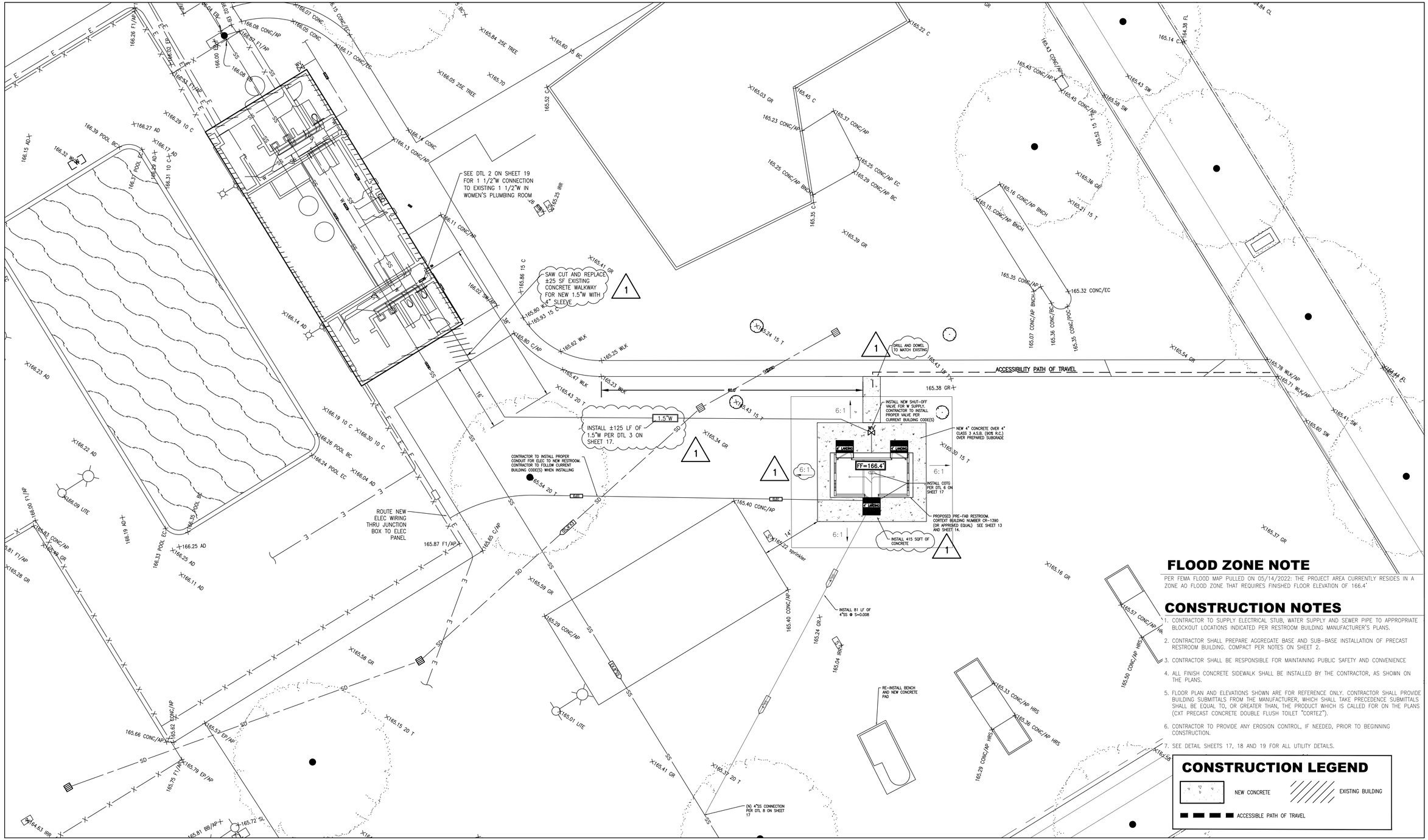
CONSTRUCTION PLAN

PROJECT NO. 122013
REGIONAL PARK RESTROOMS
RAHILLY PARK

DESIGNED BY: VM	File No. 1007
DATE: 11/21/2022	Sheet 4 of 19
CH. BY: ENGR DEPT	
DATE: DEC 2022	
REV DATE: 2/15/2023	
BY:	
SCALE: 1:5	

Plot Date: March 2, 2023

X:\ Current Projects\ (2013) - Regional Park Restrooms\Design\Drawing\Plan Production\1007 - Construction-rev1-2023.dwg



1 **TOPOGRAPHIC SURVEY, DEMO AND CONSTRUCTION PLAN**
SCALE: 1" = 10'

FLOOD ZONE NOTE

PER FEMA FLOOD MAP PULLED ON 05/14/2022: THE PROJECT AREA CURRENTLY RESIDES IN A ZONE AO FLOOD ZONE THAT REQUIRES FINISHED FLOOR ELEVATION OF 166.4'

CONSTRUCTION NOTES

1. CONTRACTOR TO SUPPLY ELECTRICAL STUB, WATER SUPPLY AND SEWER PIPE TO APPROPRIATE BLOCKOUT LOCATIONS INDICATED PER RESTROOM BUILDING MANUFACTURER'S PLANS.
2. CONTRACTOR SHALL PREPARE AGGREGATE BASE AND SUB-BASE INSTALLATION OF PRECAST RESTROOM BUILDING. COMPACT PER NOTES ON SHEET 2.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING PUBLIC SAFETY AND CONVENIENCE
4. ALL FINISH CONCRETE SIDEWALK SHALL BE INSTALLED BY THE CONTRACTOR, AS SHOWN ON THE PLANS.
5. FLOOR PLAN AND ELEVATIONS SHOWN ARE FOR REFERENCE ONLY. CONTRACTOR SHALL PROVIDE BUILDING SUBMITTALS FROM THE MANUFACTURER, WHICH SHALL TAKE PRECEDENCE SUBMITTALS SHALL BE EQUAL TO, OR GREATER THAN, THE PRODUCT WHICH IS CALLED FOR ON THE PLANS (CXT PRECAST CONCRETE DOUBLE FLUSH TOILET "CORTEZ").
6. CONTRACTOR TO PROVIDE ANY EROSION CONTROL, IF NEEDED, PRIOR TO BEGINNING CONSTRUCTION.
7. SEE DETAIL SHEETS 17, 18 AND 19 FOR ALL UTILITY DETAILS.

CONSTRUCTION LEGEND

NEW CONCRETE
EXISTING BUILDING
ACCESSIBLE PATH OF TRAVEL

NO.	DATE	BY	REVISION MADE
1	2/15/2023	VM	Change from bore to saw and remove/replace sidewalk.
2	2/15/2023	VM	Change water line to 1.5" and detail call out number.
3	2/15/2023	VM	Drill and dowel into sidewalk added.
4	2/15/2023	VM	Changed SQFT of concrete from 513 to 415.
5	2/28/2023	VM	Native fill required to raise pad 1' and create 6:1 slopes.

Underground Service Alert
TWO DAYS BEFORE YOU DIG
Call : TOLL FREE 1 (800) 642 - 2444

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL TAKE PREFERENCE OVER SCALED DIMENSIONS AND SHALL BE VERIFIED ON THE SITE ANY DISCREPANCY SHALL BE BROUGHT TO NOTICE OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF ANY WORK.

City of Merced
"Gateway to Yosemite"
DEPARTMENT OF ENGINEERING
ENGINEERING PROJECTS AND STANDARDS
678 W 18th Street (209) 385-6846

CONSTRUCTION PLAN

PROJECT NO. 122013
REGIONAL PARK RESTROOMS
(McNAMARA PARK)

DESIGNED BY: VM	
DATE: 05/21/2022	
CH. BY: ENGR DEPT	
DATE: DEC 2022	
REV DATE: 2/15/2023	
BY:	
SCALE: 1:10	

File No. 1007
Sheet **6** of **19**

Plot Date: March 2, 2023

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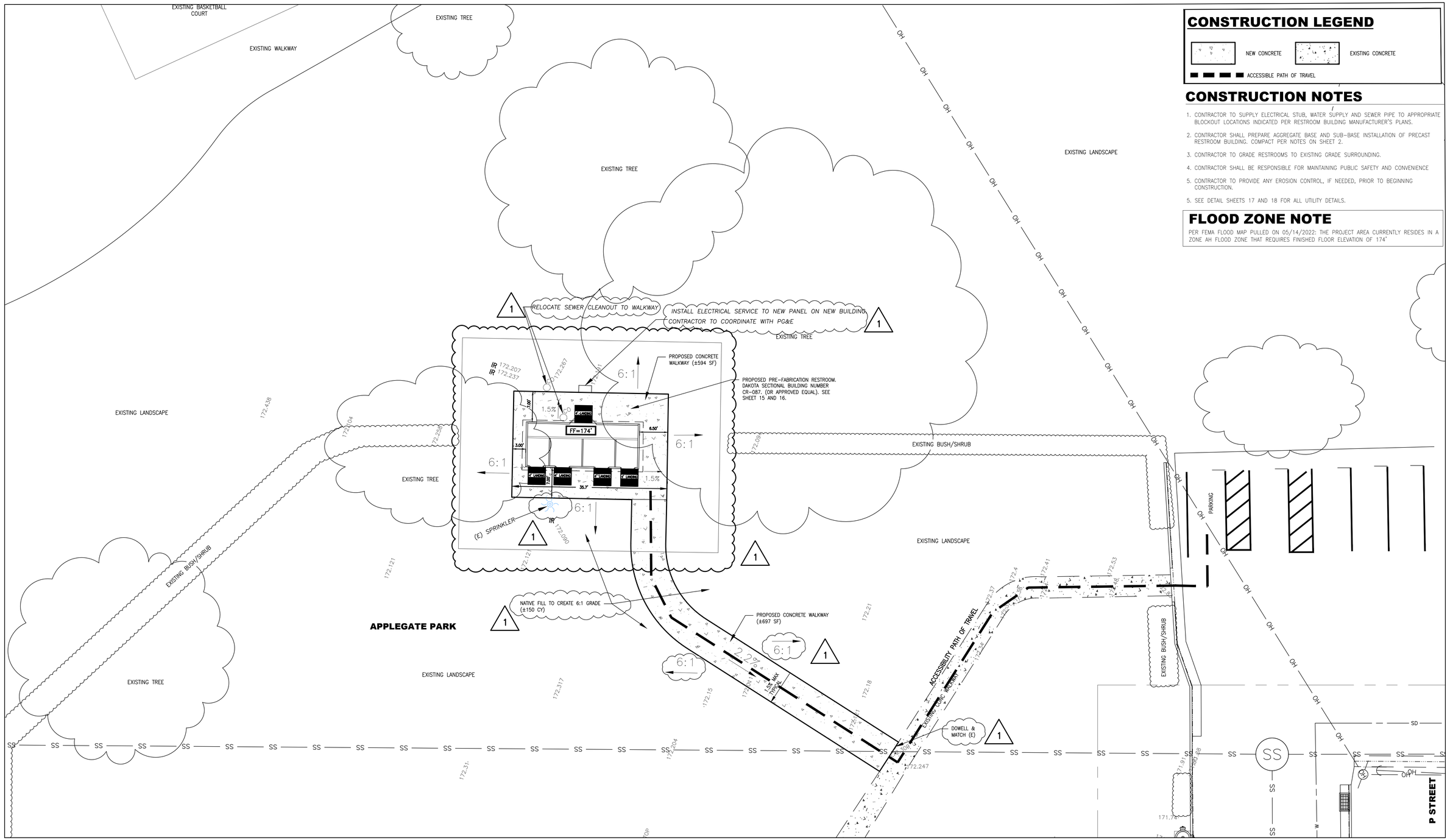

CONSTRUCTION LEGEND

NEW CONCRETE

EXISTING CONCRETE

ACCESSIBLE PATH OF TRAVEL

CONSTRUCTION NOTES

1. CONTRACTOR TO SUPPLY ELECTRICAL STUB, WATER SUPPLY AND SEWER PIPE TO APPROPRIATE BLOCKOUT LOCATIONS INDICATED PER RESTROOM BUILDING MANUFACTURER'S PLANS.
2. CONTRACTOR SHALL PREPARE AGGREGATE BASE AND SUB-BASE INSTALLATION OF PRECAST RESTROOM BUILDING. COMPACT PER NOTES ON SHEET 2.
3. CONTRACTOR TO GRADE RESTROOMS TO EXISTING GRADE SURROUNDING.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING PUBLIC SAFETY AND CONVENIENCE
5. CONTRACTOR TO PROVIDE ANY EROSION CONTROL, IF NEEDED, PRIOR TO BEGINNING CONSTRUCTION.
5. SEE DETAIL SHEETS 17 AND 18 FOR ALL UTILITY DETAILS.

FLOOD ZONE NOTE

PER FEMA FLOOD MAP PULLED ON 05/14/2022: THE PROJECT AREA CURRENTLY RESIDES IN A ZONE AH FLOOD ZONE THAT REQUIRES FINISHED FLOOR ELEVATION OF 174'

1 ENLARGED TOPOGRAPHIC SURVEY, DEMOLITION AND CONSTRUCTION PLAN
SCALE: 1" = 10'

NO.	DATE	BY	REVISION MADE
1	2/15/2023	VM	Grade sides of concrete pad to blend into existing ground 6:1
1	2/22/2023	VM	Grade sides along walkway to blend into existing ground 6:1
1	2/22/2023	VM	Raise sprinkler to grade
1	2/22/2023	VM	Dowell new walkway to existing walkway
1	2/22/2023	VM	Native fill required to raise pad 2' and create 6:1 slopes.
1	2/22/2023	VM	Relocate sewer cleanout to concrete walkway
1	2/22/2023	VM	Install electrical service to new restroom w/PG&E coordination
1	2/22/2023	VM	Raise irrigation to match new grade

Underground Service Alert
TWO DAYS BEFORE YOU DIG
Call : TOLL FREE 1 (800) 642 - 2444

NOTE:
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City of Merced
"Gateway to Yosemite"
DEPARTMENT OF ENGINEERING
ENGINEERING PROJECTS AND STANDARDS
678 W 18th Street (209) 385-6846

CONSTRUCTION PLAN

PROJECT NO. 122013
ALTERNATE 1: REGIONAL PARK RESTROOMS (APPLEGATE PARK)

DESIGNED BY: VM	File No. 1007
DATE: 05/21/2022	Sheet 8
CH. BY: ENGR DEPT	of 19
DATE: DEC 2022	
REV DATE: 02/28/2023	
BY:	
SCALE: 1:10	

Plot Date: March 2, 2023

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DEMOLITION NOTES

1. TREE REMOVAL SHALL ALSO INCLUDE THE REMOVAL OF THE ROOT BALL SYSTEM THAT ARE GREATER THAN 1/2" DIAMETER. EXTENTS WILL VERY PER TREE.
2. CONTRACTOR SHALL REMOVE LAWN, IRRIGATION, PAVERS, SOIL, GRAVEL, OR ANY OTHER MATERIAL REQUIRED TO PERFORM WORK.
3. CONTRACTOR TO RE-SOD ALL AREAS OF DEMOLITION WHERE APPLICABLE. MATCH EXISTING SURROUNDING GRADE
4. CONTRACTOR TO STUB ANY UTILITIES FROM THE OLD RESTROOM BUILDING THAT WILL NOT SERVE, OR THAT WILL NO LONGER BE USED FOR THE NEW RESTROOM BUILDING, UNLESS OTHERWISE NOTED ON THE PLANS. SEE DETAILS ON SHEET 17 AND 18.
5. BEFORE DEMOLITION BEGINS, ALL UTILITIES MUST FIRST BE LOCATED & IDENTIFIED, SHUT-OFF, THEN RE-ROUTED IF NEEDED IN ORDER FOR DEMOLITION TO OCCUR.

DEMOLITION HATCH LEGEND

REMOVE EXISTING CONCRETE
REMOVE EXISTING BATHROOM
EXCAVATE AND COMPACT EXISTING GROUND
EXISTING CONCRETE TO REMAIN
REMOVAL LIMITS

1 ENLARGED TOPOGRAPHIC SURVEY, DEMOLITION AND CONSTRUCTION PLAN
SCALE: 1" = 10'

NO.	DATE	BY	REVISION MADE
1	2/22/2023	VM	Protect and lower water line as necessary when installing walkway
1	2/22/2023	VM	Added cap 3' below surface to water disconnection

Underground **S**ervice **A**lert
TWO DAYS BEFORE YOU DIG
Call: TOLL FREE 1 (800) 642 - 2444

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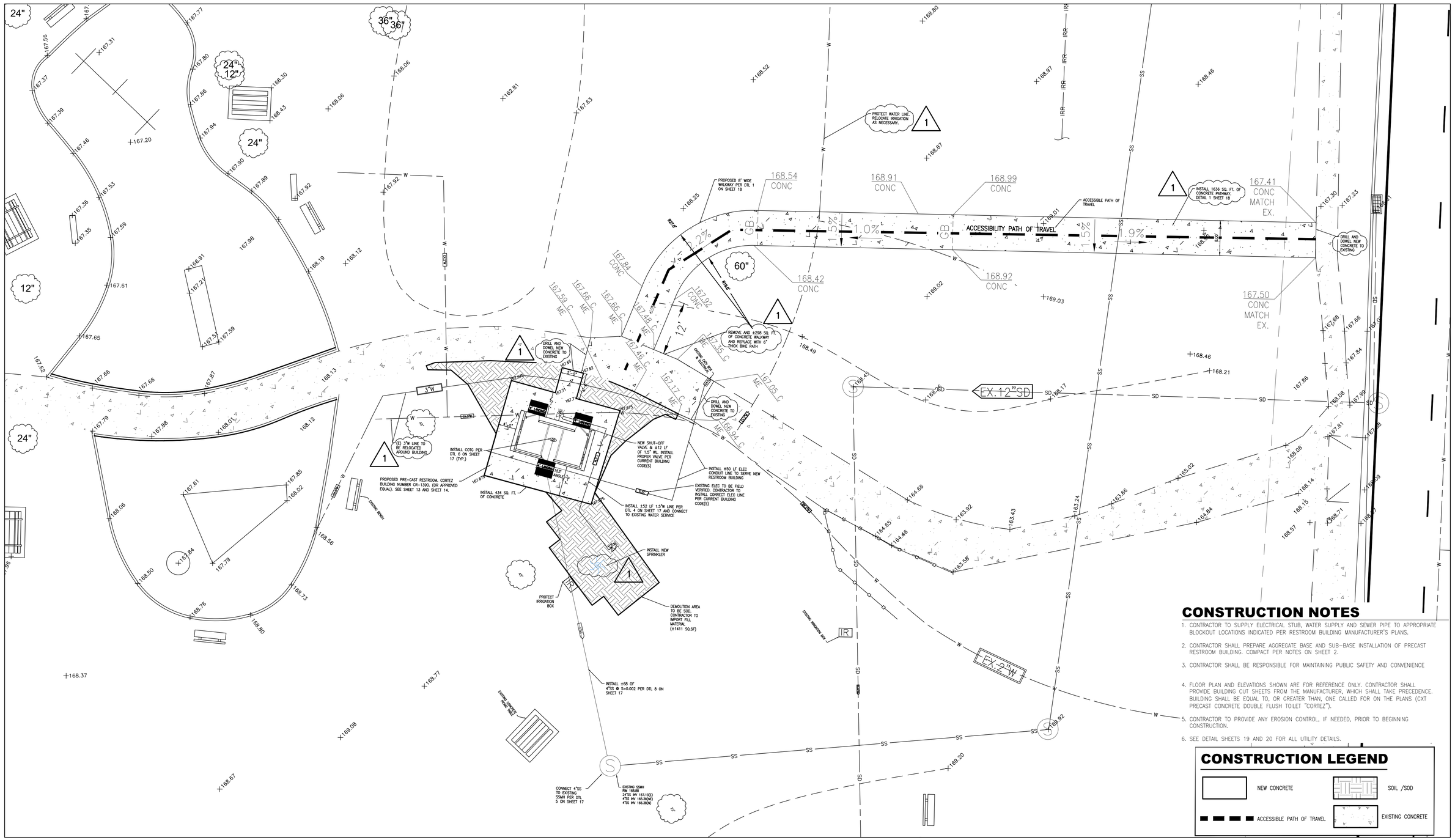
TOPOGRAPHIC SURVEY AND DEMOLITION PLAN

PROJECT NO. 122013
ALTERNATE 2: REGIONAL PARK RESTROOMS (FAHRENS PARK RESTROOM)

DESIGNED BY: VM
DATE: 05/21/2022
CH. BY: ENGR DEPT
DATE: DEC 2022
REV DATE: --/--/--
BY:
SCALE: 1:10

File No. 1007
Sheet **11** of 19

Plot Date: March 2, 2023



CONSTRUCTION NOTES

1. CONTRACTOR TO SUPPLY ELECTRICAL STUB, WATER SUPPLY AND SEWER PIPE TO APPROPRIATE BLOCKOUT LOCATIONS INDICATED PER RESTROOM BUILDING MANUFACTURER'S PLANS.
2. CONTRACTOR SHALL PREPARE AGGREGATE BASE AND SUB-BASE INSTALLATION OF PRECAST RESTROOM BUILDING. COMPACT PER NOTES ON SHEET 2.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING PUBLIC SAFETY AND CONVENIENCE
4. FLOOR PLAN AND ELEVATIONS SHOWN ARE FOR REFERENCE ONLY. CONTRACTOR SHALL PROVIDE BUILDING CUT SHEETS FROM THE MANUFACTURER, WHICH SHALL TAKE PRECEDENCE. BUILDING SHALL BE EQUAL TO, OR GREATER THAN, ONE CALLED FOR ON THE PLANS (CXT PRECAST CONCRETE DOUBLE FLUSH TOILET "CORTEZ").
5. CONTRACTOR TO PROVIDE ANY EROSION CONTROL, IF NEEDED, PRIOR TO BEGINNING CONSTRUCTION.
6. SEE DETAIL SHEETS 19 AND 20 FOR ALL UTILITY DETAILS.

CONSTRUCTION LEGEND

- NEW CONCRETE
- SOIL /SOD
- ACCESSIBLE PATH OF TRAVEL
- EXISTING CONCRETE

1 ENLARGED TOPOGRAPHIC SURVEY, DEMOLITION AND CONSTRUCTION PLAN

NO.	DATE	BY	REVISION MADE
1	2/22/2023	VM	Relocate 3" water line outside building footprint
1	2/22/2023	VM	Drill and dowel new concrete into existing concrete
1	2/22/2023	VM	Added detail 1 sheet 18 to concrete walkway note
1	2/22/2023	VM	Install new sprinkler where old restroom was demolished
1	2/22/2023	VM	Bike path to be 6" thick concrete
1	2/22/2023	VM	Relocate IR as necessary

Underground Service Alert
TWO DAYS BEFORE YOU DIG
Call : TOLL FREE 1 (800) 642 - 2444

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"Gateway to Yosemite"
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678 W 18th Street (209) 385-6846

CONSTRUCTION PLAN

PROJECT NO. 122013
ALTERNATE 2: REGIONAL PARK RESTROOMS
(FAHRENS PARK RESTROOM)

DESIGNED BY:	VM
DATE:	05/21/2022
CH. BY:	ENGR DEPT
DATE:	DEC 2022
REV DATE:	--/--/--
BY:	
SCALE:	1:10

File No. 1007
Sheet 12 of 19

Plot Date: March 2, 2023

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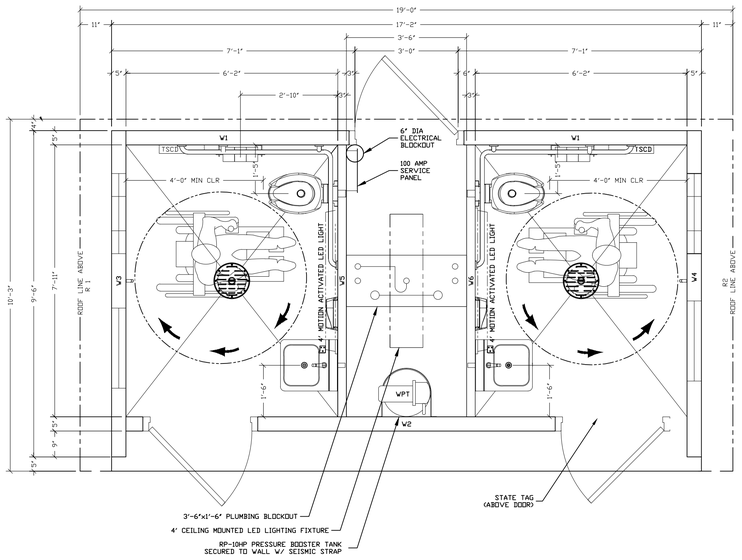
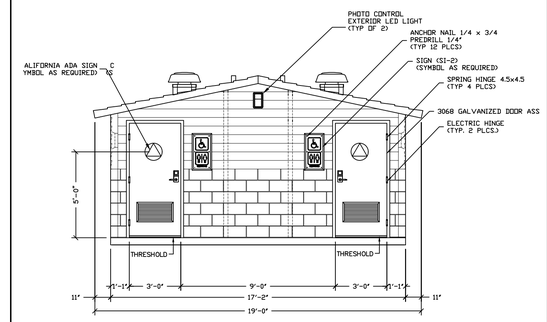
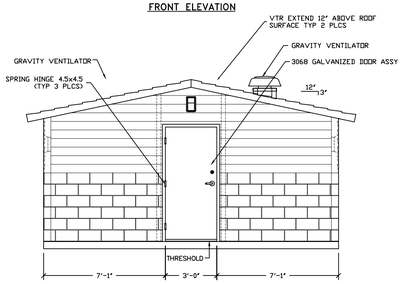


1 FLOOR PLAN - CORTEX BLDG NO. CR-1390

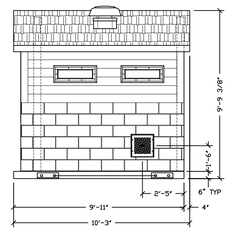
SCALE: 1"=25'



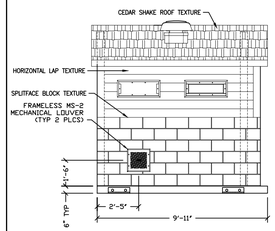
FRONT ELEVATION



REAR ELEVATION



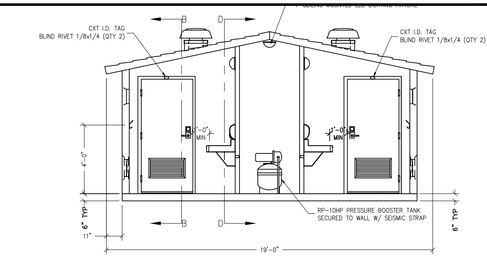
RIGHT SIDE ELEVATION



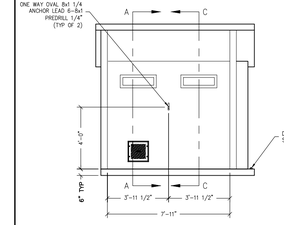
LEFT SIDE ELEVATION

2 EXTERIOR ELEVATIONS

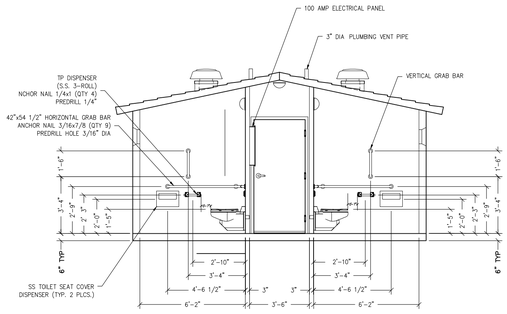
SCALE: 1" = 25'



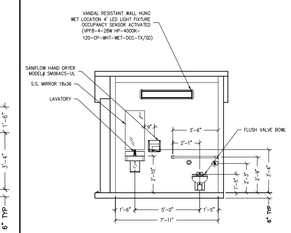
SECTION A – A



SECTION B – B



SECTION C – C



SECTION D – D

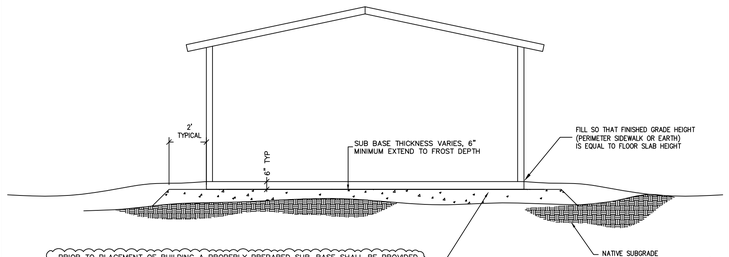
3 INTERIOR ELEVATIONS

SCALE: 1" = 25'

NOTE:
THIS FACTORY ASSEMBLED BUILDING AS CONSTRUCTED PROVIDES A RIGID BOX TYPE STRUCTURAL SYSTEM. VERTICAL LOADS ARE TRANSFERRED PRIMARILY THROUGH BEARING WALLS TO A PREPARED GRANULAR SUB-BASE WHICH DISSIPATES VERTICAL LOADS UNIFORMLY TO THE NATIVE SUBGRADE AND ALSO ACTS AS A FROST BARRIER. DUE TO THE INHERENT STIFFNESS OF THE BUILDING, IT WILL REMAIN SAFE AND STRUCTURALLY SOUND IN THE UNLIKELY EVENT OF FREEZING ACTION BELOW THE BUILDING.

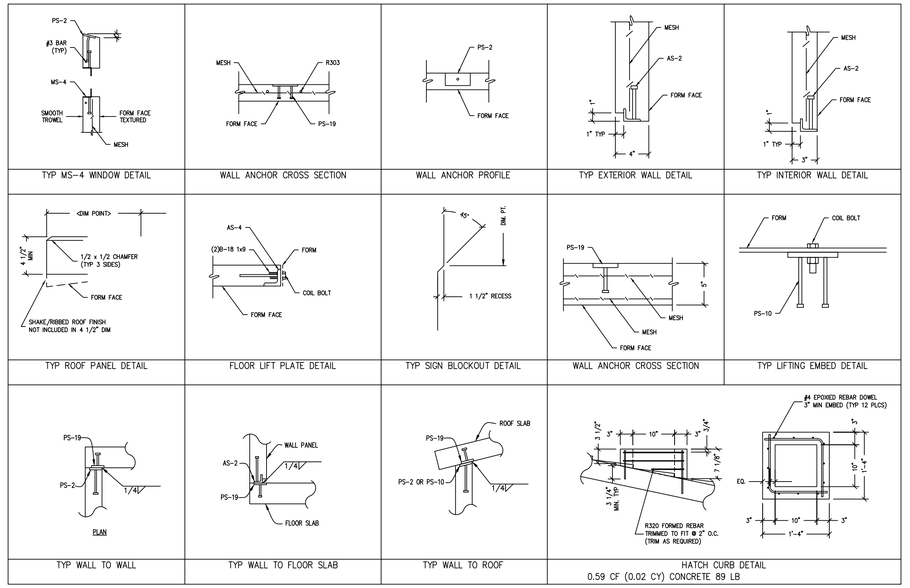
LATERAL LOADS ARE TRANSFERRED TO THE GROUND THROUGH FRICTIONAL RESISTANCE WITHOUT SLIDING OR SHIFTING BETWEEN THE BUILDING FLOOR SLAB AND THE PREPARED SOIL AND GRAVEL SUB-BASE ON WHICH THE BUILDING RESTS. SEISMIC ANALYSES ARE BASED ON LOADS DETERMINED IN ACCORDANCE WITH THE 2016 CALIFORNIA BUILDING STANDARDS CODE USING PARAMETERS WHICH MEET OR EXCEED THE CODE PRESCRIBED REQUIREMENTS FOR THIS INSTALLATION.

THIS BUILDING, AS DESIGNED, RESTING ON A PROPERLY PREPARED GRANULAR SUB-BASE WILL BE SAFE AND STRUCTURALLY SOUND FOR VERTICAL AND LATERAL LOADS AS DISCUSSED ABOVE. A FULL DEPTH FOUNDATION WALL AT THE BUILDING PERIMETER, TYPICAL FOR OTHER TYPES OF BUILDING CONSTRUCTION, IS NOT REQUIRED FOR THIS BUILDING.



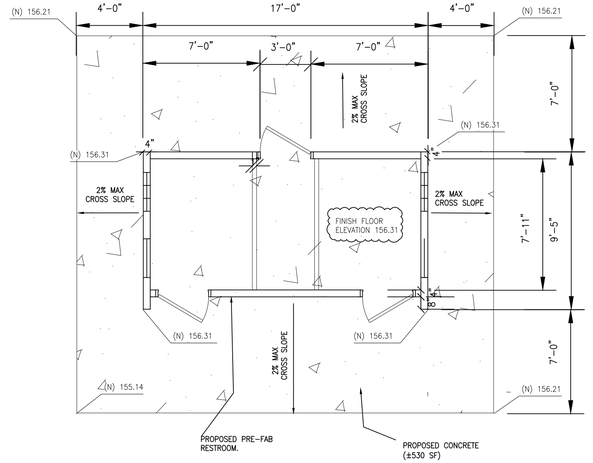
4 FOUNDATION DETAIL

SCALE: NOT TO SCALE



5 CASTING DETAILS

SCALE: NOT TO SCALE



6 CORTEZ RESTROOM DIMENSIONS AND FINISHED FLOOR ELEVATIONS EXAMPLES

SCALE: NOT TO SCALE

NO.	DATE	BY	REVISION MADE
1	2/22/2023	VM	Added cal trans verbage for sub base and aggregate base

Underground Service Alert

TWO DAYS BEFORE YOU DIG

Call : TOLL FREE 1 (800) 642 - 2444

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678 W. 18th Street (209) 385-6846

CORTEX BUILDING NUMBER CR-1390 ELEVATIONS, FLOOR PLANS, FOUNDATION AND STRUCTURAL DETAILS

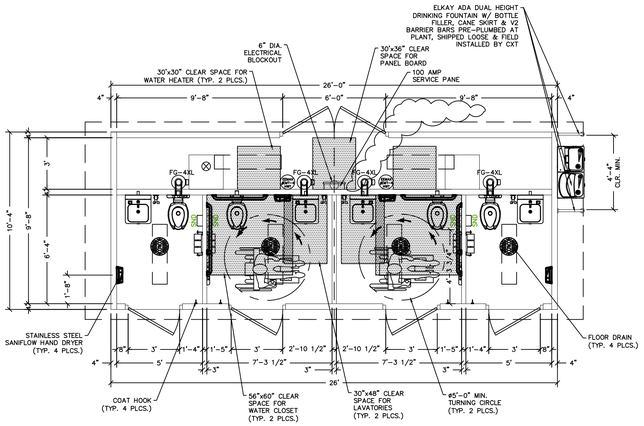
PROJECT NO. 122013 REGIONAL PARK RESTROOMS

DESIGNED BY:	VM
DATE:	11/21/2022
CH. BY:	ENGR DEPT
DATE:	DEC 2022
REV DATE:	--/--/--
BY:	
SCALE:	AS SHOWN

File No. 1007

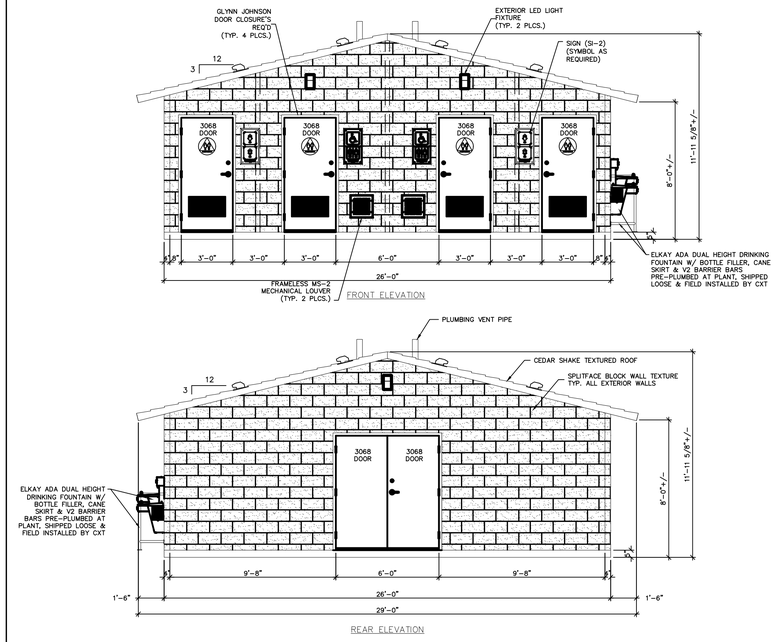
Sheet 13 of 19

Rev Date: March 2, 2023



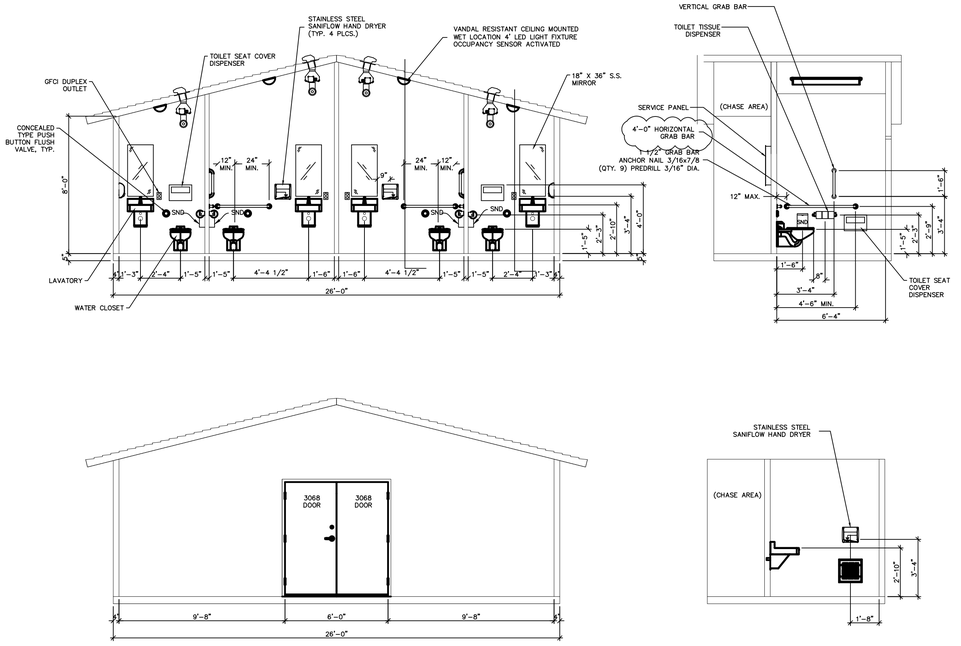
1 **FLOOR PLAN - DAKOTA SECTIONAL BUILDING NUMBER S-349**

SCALE: NOT TO SCALE



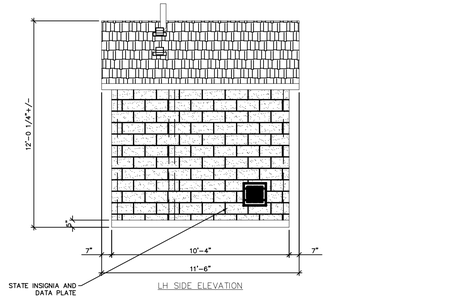
2 **EXTERIOR ELEVATIONS**

SCALE: NOT TO SCALE

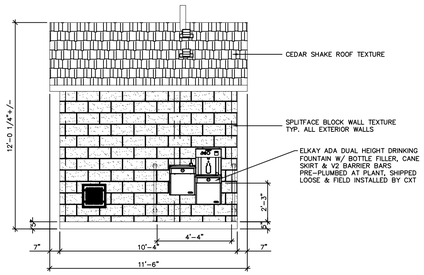


3 **INTERIOR ELEVATIONS**

SCALE: NOT TO SCALE



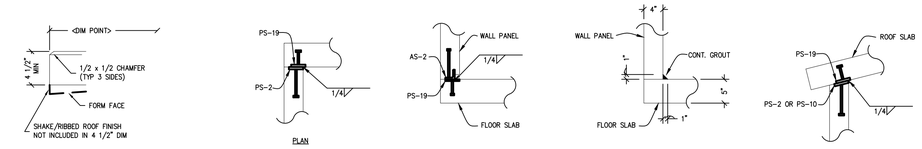
LH SIDE ELEVATION



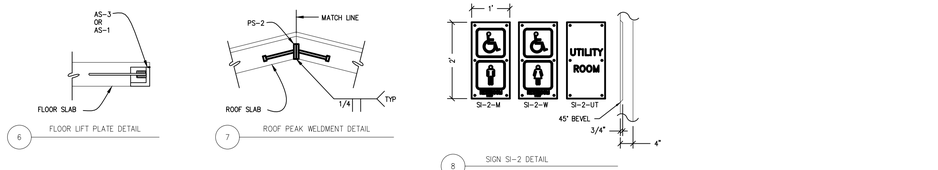
RH SIDE ELEVATION

4 **EXTERIOR ELEVATIONS**

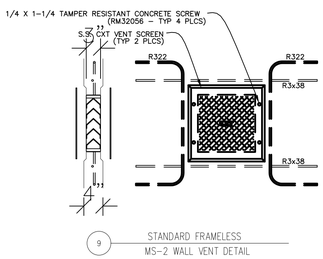
SCALE: NOT TO SCALE



1 TYPICAL ROOF SLAB EDGE | 2 TYP. WALL TO WALL PANEL WELDED CONNECTION | 3 TYP. WALL TO FLOOR SLAB WELDED CONNECTION | 4 TYP. WALL TO FLOOR SLAB JOINT DETAIL | 5 TYP. WALL TO ROOF SLAB WELDED CONNECTION



6 FLOOR LIFT PLATE DETAIL | 7 ROOF PEAK WELDMENT DETAIL | 8 SIGN SI-2 DETAIL



9 STANDARD FRAMELESS MS-2 WALL VENT DETAIL

5 **CASTING DETAILS**

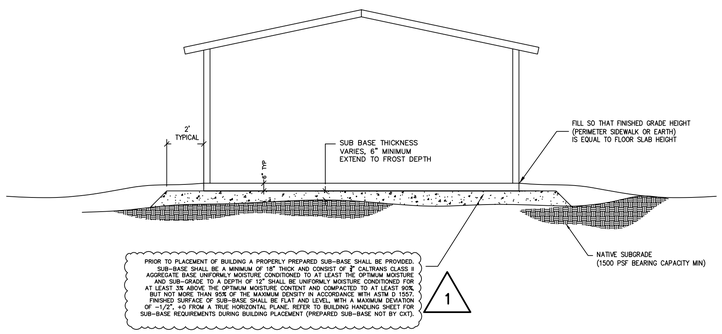
SCALE: NOT TO SCALE

THIS FACTORY ASSEMBLED BUILDING, AS CONSTRUCTED, PROVIDES A RIGID BOX TYPE STRUCTURAL SYSTEM.
VERTICAL LOADS ARE TRANSFERRED PRIMARY THROUGH BEARING WALLS TO THE STRUCTURAL SLAB FLOOR OF THE BUILDING. THE VERTICAL LOADS ARE THEN DISTRIBUTED THROUGH THE REINFORCED CONCRETE FLOOR TO THE PREPARED GRANULAR, NON-FROST SUSCEPTIBLE (NFS) SUB-BASE WHICH DISTRIBUTES THE VERTICAL LOADS IN RELATIVELY UNIFORM FASHION TO THE NATIVE SUB-GRADE. AS WITH MOST CONSTRUCTION, THIS DOES REQUIRED THE NATIVE SUB-GRADE TO BE STRIPPED OF VEGETATION AND TOP SOIL PRIOR TO PLACEMENT OF THE PREPARED GRANULAR SUB-BASE. DUE TO THE INHERENT STIFFNESS OF THE BUILDING, IT WILL REMAIN SAFE AND STRUCTURALLY SOUND IN THE UNLIKELY EVENT OF FREEZING ACTION BELOW THE BUILDING REGARDLESS OF NATURAL FREEZE/ THAW CYCLES ANTICIPATED TO BE ENCOUNTERED IN THE STATE OF CALIFORNIA.

LATERAL LOADS ARE TRANSFERRED TO THE GROUND THROUGH FRICTIONAL RESISTANCE WITHOUT SLIDING OR SHIFTING BETWEEN THE BUILDING FLOOR SLAP AND THE PREPARED SOIL AND GRAVEL SUB-BASE ON WHICH THE BUILDING RESTS. SEISMIC ANALYSES ARE BASED ON LOADS DETERMINED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE USING PARAMETERS, WHICH MEET OR EXCEED THE CODE PRESCRIBED REQUIREMENTS FOR THIS INSTALLATION.

THIS BUILDING AS DESIGNED, RESTING ON A PROPERLY PREPARED GRANULAR SUB-BASE WILL BE SAFE AND STRUCTURALLY SOUND FOR VERTICAL AND LATERAL LOADS AS DISCUSSED ABOVE. A FULL DEPTH FOUNDATION WALL AT THE BUILDING PERIMETER AND AN ANCHORAGE SYSTEM, TYPICAL FOR OTHER TYPES OF BUILDING CONSTRUCTION, ARE NOT REQUIRED FOR THIS BUILDING.

THE "FOUNDATION" FOR THIS STRUCTURE IS ESSENTIALLY THE COMBINATION OF THE COMPACTED SUB-BASE MATERIAL AND THE BUILDING'S REINFORCED SLAB. THE COMBINATION OF THE COMPACTED SUB-BASE MATERIAL AND THE BUILDING'S REINFORCED SLAB NEED TO BE AT 12" THICK AND THE COMPACTED SUB-BASE MATERIAL SHALL EXTEND BELOW THE LOCAL FROST DEPTH.



6 **FOUNDATION DETAIL**

SCALE: NOT TO SCALE

NO.	DATE	BY	REVISION MADE
1	2/22/2023	VM	Added cal trans verbage for sub base and aggregate base

Underground Service Alert

TWO DAYS BEFORE YOU DIG

Call : TOLL FREE 1 (800) 642 - 2444

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL TAKE PREFERENCE OVER SCALED DIMENSIONS AND SHALL BE VERIFIED ON THE SITE. ANY DISCREPANCY SHALL BE BROUGHT TO NOTICE OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF ANY WORK.

City of Merced
"Gateway to Yosemite"
DEPARTMENT OF ENGINEERING
ENGINEERING PROJECTS AND STANDARDS
678 W. 18th Street (209) 385-6846

DAKOTA SECTIONAL BUILDING NUMBER CR-087
FLR. PLANS, INT. ELEVATIONS. STRUCTURAL AND FOUNDATION DETAILS

PROJECT NO. 122013
REGIONAL PARK RESTROOMS

DRAW BY:	VM
DATE:	11/21/2022
CH. BY:	ENGR DEPT
DATE:	DEC 2022
REV DATE:	--/--/--
BY:	
SCALE:	AS SHOWN

File No. 1007

Sheet 15 of 19

Plot Date: March 2, 2023

X:\ Current Projects\122013 - Regional Park Restrooms\Design\Drawing\Plan Production\1007-ARCH&E-rev-1-2023.dwg

BASE BID SCHEDULE – REGIONAL PARK RESTROOMS – RAHILLY & MCNAMARA

ITEM NO.	ITEM	UNIT OF MEASURE	ESTIMATED QUANTITY	UNIT PRICE (IN FIGURES)	ITEM TOTAL (IN FIGURES)
1	Permits, Bonds, Licenses & Insurance	LS	1	$_____.___	$_____.___
2	Public Convenience and Safety	LS	1	$_____.___	$_____.___
3	Water Pollution Control	EA	2	$_____.___	$_____.___
4	Interior Demolition of Rahilly	LS	1	$_____.___	$_____.__
5	Restrooms Fixtures, Rahilly	LS	1	$_____.___	$_____.___
6	Exterior Doors	EA	2	$_____.___	$_____.___
7	Paint-Rahilly	LS	1	$_____.___	$_____.___
8	Rahilly SS Plumbing Replacement	LS	1	$_____.___	$_____.__
9	Interior Demolition of McNamara	LS	1	$_____.___	$_____.__
10	Clearing and Grubbing	EA	1	$_____.___	$_____.___
11	4” SDR35 Piping Install	LF	85	$_____.___	$_____.___
12	1.5” Water Line Install/water service and box	EA	1	$_____.___	$_____.___
13	Remove Concrete	SF	25	$_____.___	$_____.___
14	Install Concrete	SF	440	$_____.___	$_____.___
15	CTX Precast Cortez CR-1390	EA	1	$_____._	$_____.__
16	Prepare Subbase/base for Restroom Slab	EA	1	$_____.___	$_____.___
17	Electrical System	LS	1	$_____.___	$_____.___
18	Relocate Bench and Install New Pad	LS	1	$_____.___	$_____.___
19	Native Fill Material for Slopes	CY	37	$_____.___	$_____.___
20	Restoration of Site	LS	1	$_____.___	$_____.__

TOTAL BASE BID SCHEDULE ITEMS 1 THROUGH 20 $_____

ALTERNATE #1 BID SCHEDULE – REGIONAL PARK RESTROOMS – APPLEGATE

ITEM NO.	ITEM	UNIT OF MEASURE	ESTIMATED QUANTITY	UNIT PRICE (IN FIGURES)	ITEM TOTAL (IN FIGURES)
1	Permits, Bonds, Licenses & Insurance	LS	1	$_____.___	$_____.___
2	Public Conveyance and Safety	LS	1	$_____.___	$_____.___
3	Water Pollution Control	LS	1	$_____.___	$_____.___
4	Demolition of Restrooms	EA	2	$_____.___	$_____.__
5	Remove Existing Drain and Piping	EA	1	$_____.___	$_____.___
6	Abandon Lateral Utilities	LS	1	$_____.___	$_____.___
7	Prepare Subbase/base for Restroom Slab	EA	1	$_____.___	$_____.___
8	New Connection to Existing Utilities	LS	1	$_____.___	$_____.___
9	Prepare Subbase/base for Restroom Slab	EA	1	$_____.___	$_____.___
10	CTX Precast Santiago (Dakota) S-349	EA	1	$_____.___	$_____.___
11	Remove Existing Concrete	SF	1100	$_____.___	$_____.___
12	Install Concrete	SF	1291	$_____.___	$_____.___
13	Electrical System	EA	1	$_____.___	$_____.__
14	Landscaping	SF	1100	$_____.___	$_____.___
15	Native Fill Material for Slopes	CY	150	$_____.___	$_____.___
16	Restoration of Site	LS	1	$_____.___	$_____.___

TOTAL ALTERNATE #1 BID SCHEDULE ITEMS 1 THROUGH 16 $_____

ALTERNATE #2 BID SCHEDULE – REGIONAL PARK RESTROOMS – FAHRENS

ITEM NO.	ITEM	UNIT OF MEASURE	ESTIMATED QUANTITY	UNIT PRICE (IN FIGURES)	ITEM TOTAL (IN FIGURES)
1	Permits, Bonds, Licenses & Insurance	LS	1	$_____.___	$_____.___
2	Public Convenience and Safety	LS	1	$_____.___	$_____.__
3	Water Pollution Control	LS	1	$_____.___	$_____.__
4	Clearing and Grubbing	EA	1	$_____.___	$_____.___
5	Demolition of Restrooms	LS	1	$_____.___	$_____.__
6	Remove Existing Concrete	LF	900	$_____.___	$_____.___
7	Remove Trees	EA	4	$_____.___	$_____.___
8	Abandon Lateral Utilities	LS	1	$_____.___	$_____.___
9	4” SDR35 Piping Install	LF	70	$_____.___	$_____.___
10	1.5” Water Service and Box	LS	1	$_____.___	$_____.___
11	Prepare Sub base/base for Restrooms	EA	1	$_____.___	$_____.___
12	CTX Precast Cortez	LS	1	$_____.___	$_____.___
13	Install Concrete	SF	434	$_____.___	$_____.___
14	Native Fill Material for Slopes	LS	1	$_____.___	$_____.__
15	Concrete Bike Path Install	SF	1934	$_____.___	$_____.__
16	Electrical System	LS	1	$_____.___	$_____.___
17	Core into Existing SSMH	EA	1	$_____.___	$_____.___
18	Landscaping	SF	1000	$_____.___	$_____.___
19	Restoration of Site	LS	1	$_____.___	$_____.__

TOTAL ALTERNATE #2 BID SCHEDULE ITEMS 1 THROUGH 19 $_____

The costs for any Work shown or required in the Contract, but not specifically identified as a line item are to be included in the related line items and no additional compensation shall be due to Contractor for the performance of the Work.

EXHIBIT "B"- PLANS AND SPECIFICATIONS

SCOPE OF WORK

The project is located at Rahilly, and McNamara parks with Applegate and Fahren's parks as an alternate to the base bid. All parks are in the City of Merced, CA. Bids are required for the entire work described herein.

The work to be done consists, in general of demolition of two restrooms and installation of one prefabricated CXT or approved equal restroom. Rahilly restroom will be remodeled with a new toilet, sink, lighting, flooring and other restroom furnishings listed.

Alternate 1 will consist of demolition of two restrooms at Applegate park and installation of one prefabricated CXT or approved equal restroom.

Alternate 2 will consist of demolition of one restroom at Fahrens park and installation of one prefabricated CXT or approved equal restroom.

All work shall be done within the City of Merced.

Such other items or details, not mentioned above, that are required by the plans, standard specifications, or these special provisions shall be performed, placed, constructed or installed.

PERFORMANCE

The Contractor shall furnish all labor, materials, tools, equipment, incidentals, and do all work described in the Plans and these Special Provisions.

COORDINATION/COOPERATION

The Contractor shall notify the Engineer at
(209) 385-6820 at least three (3) working days in advance of the tentative starting date.

The Contractor shall be responsible for contacting and coordinating with all utility companies, including the City, with regards to the location of existing underground facilities in the construction area. The Contractor shall call Underground Service Alert at (800) 642-2444, at least 2 working days before commencement of underground work for location of underground facilities.

Utility facilities damaged, temporarily disconnected, or relocated as a result of construction shall be repaired/reconnected as directed by the governing utility at the Contractor's expense.

Full compensation for conforming to the requirements of this section shall be considered as included in the price paid for the various contract items of work involved and no additional compensation will be made.

INSPECTION OF SITE

The Contractor shall inspect the work site and note all existing conditions before submitting a bid for this project. A site tour is scheduled immediately following the pre-bid/LBE meeting if requested.

DUST CONTROL

It shall be the responsibility of the Contractor to minimize dust during earth moving operations. A water truck shall be made available if necessary, for dust control.

Full compensation for conforming to the requirements of this section shall be considered as included in the price paid for the various contract items of work involved and no additional compensation will be made.

PERMITS, BONDS, LICENSES AND INSURANCE

The Contractor shall procure all permits, bonds, licenses and insurance, pay all charges and fees, and give all notices necessary and incidental to the prosecution of the work.

Payment for "Permits, Bonds, Licenses and Insurance," shall be at the contract lump sum price as set forth in the proposal, and shall include all fees associated with permits, bonds, licenses, inspections, and all other fees necessary for the completion of this item.

INTERIOR DEMOLITION OF RESTROOMS

The Contractor shall remove all interior materials and furnishings, removal of floor finishes, ceiling, and wall anchoring required to complete the project.

Sewer and water connections for existing restroom which will no longer be in service will be capped. Plumbing or electrical shall be done per building code.

All material removed by the Contractor in accordance with this project shall become property of the Contractor and shall be removed off-site and disposed of at the Contractor's expense.

Payment for "Interior Demolition or Restrooms," shall be at the contract per site price as set forth in the proposal, in two pay items: (1) "Interior demolition of Rahilly", (2) "Interior demolition of McNamara" and shall include all labor, materials, tools, equipment, and all work necessary for the completion of this item.

DEMOLITION OF RESTROOMS

The Contractor shall remove all materials, including bench called out for on the plans and specifications or as required to complete the project. *Contractor will also abandon electrical service at the service box.* Demolition of floor finishes, ceiling, and any reinforcing required to complete the project.

All material removed by the Contractor in accordance with this project shall become property of the Contractor and shall be removed off-site and disposed of at the Contractor's expense.

Payment for "Demolition *of restrooms*," shall be at the contract per site price as set forth in the proposal, and shall include all labor, materials, tools, equipment, and all work necessary for the completion of this item.

CLEARING AND GRUBBING

Clearing and grubbing shall conform to the provisions in Section 16, "Clearing and Grubbing," of the State Specifications and these Special Provisions.

Vegetation shall be cleared and grubbed only within the limits of construction shown in the plans. All existing vegetation, outside the areas to be cleared and grubbed, shall be protected from injury or damage resulting from the work of the Contractor.

Nothing herein shall be construed as relieving the Contractor of his responsibility for final clean up as provided in Section 4-1.13, "Cleanup", of the State Standard Specifications.

Payment for "Clearing and Grubbing," shall be at the contract lump sum price as set forth in the proposal and shall include all labor, materials, tools, equipment, trenching, and all work necessary for the completion of this item.

ABANDON LATERAL UTILITIES

This item shall include all costs to furnish all labor, materials, tools, and equipment, both permanent and temporary, for the excavation, abandonment of existing laterals, and restoration Work necessary for the cut and plugs as shown and specified unless otherwise directed by the Engineer. The Work includes, but is not limited to: excavation, bracing or shoring, dewatering, disposal of surfaces and spoil where required, furnishing and installing all materials for cutting and plugging existing water and sewer, removal of any nearby valve boxes (if plugging valve face), bedding, backfilling and compaction, granular backfill and/or special backfill, coordinating and cooperating with Water Maintenance and Service, protection of existing utilities, light poles, fences and mailboxes, Site restoration including, but not limited to, pavement replacement as required, removing and returning or replacing trees, shrubbery, storm sewers, mulched seeding, and incidentals for performing all Work for excavation and restoration for the cut and plugs as specified.

Existing water service connections to be abandoned on an existing water main to remain in service, dig up (expose) and turn off the existing corporation stop at the connection to the existing main.

If lateral is orangeburg material or is in poor condition, saddle or cap must be installed at main. If lateral material is cast iron or VCP with neoprene seals, the cap may be installed at property line.

The number of cut and plugs to be measured for payment shall be the actual number of existing lateral locations cut and plugged for abandonment.

The payment for cut and plug shall be based on the unit price basis as listed on the submitted bid schedule and regardless of plug size. Payment for any associated road replacement/restoration shall be paid for under its respective Work item.

This price shall include all cost associated with removal of surface improvements, excavation, disposal of excavated material, temporary sheeting, shoring, or bracing; dewatering, furnishing and placing a restrained MJ cap or plug on the abandoned main; furnishing, placing and compacting required backfill; and placing required surfacing.

Payment for "Abandon Lateral Utilities" shall be at the contract lump sump item as specified in the bid schedule and shall include all labor, materials, tools, equipment, and all work necessary for the completion of this item.

PREPARE SUB-BASE/BASE FOR RESTROOM SLAB

The contractor shall provide a sub base of minimum thickness of 6" unless otherwise specified on plans. Sub base shall consist of ¾" Caltrans Class II recycled aggregate base, uniformly moisture conditioned to at least the optimum moisture and sub-grade to a depth of 12" shall be uniformly moisture conditioned for at least 3% above the optimum moisture content and compacted to at least 90% but no more than 95% of the maximum density in accordance with ASTM D 1557. Finished surface or sub-base shall be flat and level, with a maximum deviation of -1/2", +0 from a true horizontal plane. Refer to building handling sheet for sub-base requirements during building placement.

Payment for "Prepare sub-base/base for restroom slab" shall be at the contract unit price item as specified in the bid schedule and shall include all labor, materials, tools, equipment, and all work necessary for the completion of this item.

SANITARY SEWER LATERALS

The Contractor shall provide all labor, materials, equipment, and incidentals as shown, specified, and required to install and test new 4-inch and 8-inch sanitary sewer laterals where indicated on the plans *as well as clean out installation as shown on plans*. The laterals crossing over water mains shall comply with City Standard Dwg. W-1 with water quality sewer lateral 9-feet each side of the water main. The material shall be Class 200 PVC or C900 Class DR-18 (235 psi).

Sewer lateral shall be re-connected to the existing manhole as required and as shown on the plans, using like materials and insert tee fittings.

Payment for sanitary sewer laterals and connections, "4" SDR35 Piping Install" and "8" SDR35 Piping Install" shall be at the contract unit price per each lateral as set forth in the proposal, and

shall include all labor, materials, tools, equipment, and all work necessary for the completion of this item.

1. CLEANOUT INSTALLATION -- The payment quantity shall be the number of cleanouts installed.
    a. The payment for "Clean out to grade install" shall be based on the unit price as listed on the submitted Bid schedule for each cleanout successfully installed. Payment for any associated restoration shall be paid for under its respective Work item.
    b. This Work item shall include all costs to furnish all labor, materials, tools, and equipment, both permanent and temporary, to install the terminal cleanout as shown and specified. The Work includes, but is not limited to, trench excavation, pavement removal and disposal if necessary, dewatering, furnishing and placement of bedding, terminal cleanout structure, isolation valve, curb box, pipe installation, fusion jointing of pipe lengths, placement of required backfill, compaction of bedding and backfill, utility verification, disposing of excess excavated material, testing of materials, temporary sheeting, shoring and bracing, tracing wire, pressure testing, restoration/replacement of all disturbed items not included under other Work items, protection of existing utilities and structures, and incidentals for performing all Work as specified unless otherwise provided for as a separate Work item.

INSTALL NEW SANITARY SEWER STANDARD MANHOLE

The Contractor shall construct new sewer manhole and storm drain manhole where indicated on the plans, provide continuous service (existing mains), provide backfill material, and restore site paving in conformance with the plans. Manhole frame and cover shall be a D&L Supply Company A-1094 or approved equal. A concrete collar shall be placed around each manhole frame consisting of 4000psi concrete with two #4 rebar loops.

All incoming and out flowing sewer mains or laterals shall be extended and re-connected to the new manhole as required, using like materials and C-594 sewer repair couplings with stainless steel shear rings, or an approved alternative method. The Contractor shall install new manhole frames and covers at each site. Reuse of existing frames and covers shall not be permitted. Any sewage spills, or any construction debris that falls into the sewer main, shall be cleaned up at the Contractor's expense and to the satisfaction of the Engineer.

References:

1. Sewer Manhole Details (S-1)

2. Drop Manhole (S-2)

~~3. Manhole Frame and Cover (S-3)~~

~~4. Large Size Manhole Frame and Cover (S-3A)~~

~~5. PCC Collar Pipe Connections (SD-8)~~

~~6. Storm Drain Manhole Details (SD-10)~~

~~7. Alternate Storm Drain Manhole (SD-11)~~

~~Payment for Item "Standard Manhole," shall be at the contract unit price as set forth in the proposal and shall include all work required to complete the project for a Sanitary Sewer Manhole or Storm Drain Manhole, including but not limited to, all labor, materials, tools, equipment, demolition, excavation, backfill, compaction, resurfacing, and all work necessary for the completion of this item.~~

WATER SERVICE AND BOX

The Contractor shall provide all asphalt and base removal, trenching, backfill materials, residential yard replacement, hot mix asphalt paving, aggregate base and any other work necessary to replace existing water services from each property to the water main, as called out on the plans. All concrete and asphalt removal requires saw-cutting and removal from joint to joint. This item includes saw cutting. Any connections to a live water main shall be made by a City Water Special Operator. Water service tubing shall be "Blue Poly-coated Copper" that meets ASTM B88 and ANSI/NSF 61 Standards. The poly-coated copper tubing may be obtained from: Pace Supply, 8400 24th Street, Sacramento, CA 95826, (916) 379-5100, www.pacesupple.com; Ferguson Waterworks Sales, (916) 381-6100, www.ferguson.com; R & B Company, 5364 S. Villa Avenue, Fresno, CA 93722, (559) 834-1040, www.rbcompany.com.

The new water service piping shall run from the water main to the corresponding private property's sidewalk or planter area, in a new water service box. Installation of new meters is not part of this contract. The contractor shall provide and install the curb stop, ~~and~~ meter valve *and water shut off valve. Water shut off valve installation per plans.*

All service connections at the main shall be a minimum of 1-inch and threaded direct tap use c.c. style stop. The Contractor is required to provide his own tapping equipment. The contractor shall install an AWWA X pack joint corporation stop, Ford FB 1000 or F 1000 at the main tap. Water service connection larger than 2-inch shall include a gate valve at main and shall be ductile iron as per City Standard W-4.

Meter boxes shall be style B 30 for 1-inch service or B 36 for 1 ½-inch or 2-inch service, concrete with traffic rated lids, installed flush with the sidewalk surface. Boxes shall be placed on 1-½ inch crushed drain rock extending a minimum of 6 inches below the bottom of the box and a minimum of 6 inches outside the outside edges of the box on all four sides to the full depth below the bottom of the box. On the water services to be relocated, City forces will remove and install all meters.

A new emergency shut-off and hose bib install onsite where applicable.

All connections to live mains and reconnections of the service connections ("hot taps") shall be made by a City Water Special Operator. The Contractor will not be allowed to make connections to live water lines.

Where the plans call for a relocation of an existing water service due to the proximity of the sewer lateral, the Contractor shall install a new water meter box at a minimum of ten feet (10') from the sewer lateral.

Payment for "1 ½" Water Service and Box" shall be at the contract unit price, as set forth in the proposal and shall include fittings, valves, all labor, materials, tools, equipment, excavation, backfill, aggregate base, compaction, paving, sterilization and all work necessary for the completion of this item.

RESTROOM FURNISHINGS

1. COMMERCIAL LAVATORY: Sink shall be Elkay Model EHS-18x, Wall Mounted, 18-gauge stainless steel, with hardware or approved equal.
2. GRAB BARS – Contractor is to install (4) four grab bars where shown on the plans. Grab bars shall be stainless steel Moen Model #R8918 as supplied by Lowe's, mounted 1 ½ inch clearance between wall surface and inside of grab bar. The bars shall have a diameter of 1 ½ inch.
3. COMMERCIAL TOILET -- A stainless steel toilet, Acorn Model LR 1695 Series, floor/rear mount, floor waste, ligature resistant stainless steel or approved Equal.
4. COMMERCIAL FAUCET -- The faucets shall be Kohler Bathroom Sink faucet, automatic dispenser, and chrome assembly as supplied by Grainger (1-800-472-4643) or approved equal.
5. COMMERCIAL TOWEL DISPENSER AND WASTE RECEPTACLE -- The Contractor shall install commercial stainless steel paper towel dispenser with towel compartment in the upper portion of the unit and removable waste receptacle in the lower portion of the unit.
6. COMMERCIAL SOAP DISPENSER – Contractor shall install one automatic soap dispensers, mirror mounted and above the sink. Dispenser shall be Purell LTX-12 Touch Free Dispensers or approved equal. Soap dispenser may be attached to the mirror.
7. TOILET TISSUE DISPENSER – Shall be stainless steel Bobrick B-2890 or approved equal.
8. *SANITARY NAPKIN RECEPTACLE – Contractor shall install one sanitary napkin waste receptable and shall be wall mounted, 8 in Wd, 11 in Ht, stainless steel adjacent to the toilet or approved equal.*
9. VANITY MIRROR – Contractor shall install a 24" x 36"mirror above the sink as shown on the plans. Mirror shall be of commercial quality and attached to the block wall.

Mirror shall be Bobrick B-165, Bradley 720 or approved equal.

Caulking, Grout, Adhesive and Sealer 1. Caulking service temperatures from -40ºF to +194ºF. 2. Interior and exterior joints are caulked with a paintable polyurethane sealant. 3. Grout is a non-shrink type and are painted to match the color of surrounding concrete as nearly as possible. 4. Cement base coating is formulated with a very fine aggregate system and is a built-in bonding agent.

AVAILABLE MANUFACTURERS:

Bobrick Washroom Equipment, Inc., (818) 764-1000

American Specialties, Inc. (ASI) (914) 476-9000

Bradley Corporation, (262) 251-6000

Kohler (800) 456-4537

Payment for Restroom Furnishings shall be at the contract lump sum price as set forth in the proposal for "Restroom Furnishings-Rahilly" and shall include all labor, materials, tools, equipment, and all work necessary for the completion for each item.

EXTERIOR DOORS

BATHROOM DOOR -- The restroom door shall be 2" thick by 6'-0" long and consist of a steel door and frame, 18 gauge, SDI-100, Grade III, Model 3 or NAAMM HMMA 810 Type A and NAAMM HMMA 861, flush steel rib-stiffened, minimum 18-gauge face sheets.

Interior Frame shall be SDI-100 or NAAMM HMMA 861, fully welded frame, minimum 16 gauge, size and shape as indicated on the drawing

HARDWARE - The Contractor shall furnish and install all door hardware as shown on the drawings or as required to complete the project. All hardware shall be Schlage Commercial hardware.

Provide commercial doorknobs with locks, door stop, and with kick plate on all interior doors.

Provide unisex door signage for each restroom.

Caulking, Grout, Adhesive and Sealer. Caulking service temperatures from -40ºF to +194ºF. Interior and exterior joints are caulked with a paintable polyurethane sealant. Grout is a non-shrink type and are painted to match the color of surrounding concrete as nearly as possible. Cement base coating is formulated with a very fine aggregate system and is a built-in bonding agent.

Payment for Doors shall be at the unit price for "Exterior Doors" as set forth in the proposal and shall include all labor, materials, tools, hardware, equipment, and all work necessary for the completion of this item.

CXT PRECAST CORTEZ

See Appendices A for order form with selected accessories and manufacturer specs.

CXT PRECAST DAKOTA CR-087

See Appendices B for manufacturer specs.

CXT Representative Kurt Mee at KMee@lbfoster.com has a filled-out order form with our selections for the restrooms. Please contact him for total pricing.

REMOVE EXISTING CONCRETE

The contractor shall remove portions of the concrete walk as shown on the plans and called for in these specifications. Existing concrete shall be sawcut to provide a smooth transition per Caltrans standards.

The quantities of Portland cement concrete sidewalk removed will be measured and paid for by the square foot.

The contract price per square foot for the removal of existing concrete sidewalk shall be full compensation for furnishing all labor, materials, tools, equipment and incidentals, for doing all work involved and no additional compensation will be allowed therefor.

Surplus material shall become the property of the Contractor and shall be disposed of at the Contractor's expense outside the right-of-way.

Payment for "Remove Existing Concrete" shall be at the contract square foot price as set forth in the proposal and shall include all labor, materials, tools, equipment, trenching, backfilling and all work necessary for the completion of this item.

INSTALL CONCRETE

The Contractor shall install concrete pathway in accordance with the Plans, and these Special Provisions. This item shall include subgrade preparation, base material, compaction, and all conditions described in the applicable City of Merced Standard Designs.

Aggregate Subbase -- Aggregate subbase shall be class 3 with 4 inches minimum depth and shall conform to the provisions in Section 25 "Aggregate Subbases," of the State Specifications, the Plans, and these Special Provisions.

Aggregate Base -- Aggregate base shall be Class 2 with 4 inches minimum depth and shall conform to the provisions in Section 26 "Aggregate Bases," of the State Specifications, the Plans, and these Special Provisions. The aggregate shall conform to the ¾-inch maximum grading specified in Section 26-1.02B, "Class 2 Aggregate Base," of the State Specifications.

The concrete pathway shall have a minimum thickness of 4-inch, minimum 5-sack mix (*3000 psi*), maximum 4-inch slump, match the existing adjacent concrete walk finish and in accordance with the current City of Merced Standard SCG-4 (General Requirements – Sidewalk, Curb and Gutter), the Plans, and these Special Provisions.

The concrete walk shall have ½" felt expansion joint to be installed at 60' maximum intervals and control joints spaced every 10' on center.

The Contractor shall moisture condition subgrade to at least 3% above the optimum moisture content to a depth of 12" and compact existing sub-grade to 90% but not more than 95%, followed by 4" thick of Caltrans Class 2 aggregate base compacted to 90% relative compaction, as determined by ASTM D1557.

This item shall include embankment fill, subgrade preparation, base material, compaction, and all conditions described in the applicable City of Merced Standard Designs.

Actual work quantities to be paid are those quantities marked and agreed upon in the field between the Engineer and the Contractor prior to demolition. No additional repairs beyond the limits marked and agreed upon in the field, as actual quantities will be paid therefor.

Payment for "Install Concrete," shall be at the contract square foot price as set forth in the proposal and shall include all labor, materials, tools, equipment, backfill, aggregate base, compaction and all work necessary for the completion of this item.

ELECTRICAL SYSTEM

The Contractor shall perform all electrical work as shown on the drawings or called for in these specifications.

General Electrical Notes:

The Contractor shall install lights and switches at the locations shown on the plans for all restrooms. Items include but are not limited to: basic electrical requirements; basic electrical materials; and interior lighting fixtures, lamps, ballasts, and all switches and breakers required for a fully operational systems.

All wiring shall be in conduit. Wire shall be copper, type THHN/THWN minimum #12 AWG. Switches shall be toggle type, quiet type, AC rated 15A, Bryant, H&H, Leviton, Eagle or approved equal. Receptacle outlets shall be, 15 or 20 Amp, 3 wire grounded outlet, Bryant, H&H, Leviton, Eagle or approved equal, dimmer switch shall be Bryant, H&H, Leviton, Eagle flush touch type or approved equal.

The Contractor is to verify all fixture counts and locations and is to notify the Engineer of any discrepancies.

The contractor is to remove electrical panels and install on new building/restroom and coordinate with PG&E or appropriate utilities to discontinue power source.

Payment for "Electrical System" shall be at the contract lump sum price as set forth in the proposal and shall include all labor, materials, tools, equipment, and all work necessary for the completion of this item.

PAINT-RAHILLY

The paint shall match the existing material and color as the rest of the walls and shall be waterproof paint for Rahilly. *Contractor to prepare surface prior to application of paint.* The block wall shall receive a minimum of three coats of off white, water resistant paint, Semi-Gloss, Acrylic Latex paint with a film thickness of 4.5 mils. The prime coat shall be 220-07 Enamel under coat with the second and third coats consisting of 214-XX "AA" Acrylic Semi-Gloss Enamel *and graffiti resistant.*

Payment shall be at the contract lump sum price for "Paint - Rahilly" as set forth in the proposal, and shall include all labor, materials, tools, equipment, and all work necessary for the completion of this item.

RAHILLY SS PLUMBING REPLACEMENT

Replace existing plumbing with Stainless Steel ASTM A269 or ASTM A312 compliant to 2022 CA plumbing code.

Payment for "Rahilly SS Plumbing Replacement" shall be at the contract lump sum as set forth in the proposal and shall include all labor, materials, tools, equipment, and all work necessary for the completion of this item.

REMOVE EXISTING DRAIN AND PIPING

Remove existing drain and piping at Applegate park. Cap piping 4" below surface and outside new building footprint.

Payment for "Remove existing drain and piping" shall be at the contract unit price as set forth in the proposal and shall include all labor, materials, tools, equipment, and all work necessary for the completion of this item.

NEW CONNECTION TO EXISTING UTILITIES

The Contractor shall make new sewer, water, drainage, and electrical connections to the new restroom site from the existing restroom facilities.

The water connection shall be of the same material as existing. PVC shall be schedule 80, HDPE or PE shall be DR-19 or approved equal.

Sewer and storm drain connections shall be PVC, Schedule 26 or approved equal.

The electrical service shall be designed by contractor based on manufacturer specifications and submitted, to City of Merced Building Department for permitting.

Payment for, "New Connection to Existing Utilities" shall be at the contract lump sum price as set forth in the proposal and shall include all labor, materials, tools, equipment, compaction, grading and all work necessary for the completion of this item.

REMOVE TREE*S*

Contractor shall remove the trees where shown on the plans. Tree removal shall conform to the provisions in Section 17-2 "Clearing and Grubbing" of the State Specifications and these Special Provisions.

The root ball shall be completely removed and hauled away along with ant roots greater that ½ inch in diameter within any structural section including but not limited to: building, sidewalk, curb and gutter or roadway. The remaining hole shall be backfilled with native soil, compacted to 90% relative compaction and sodded to match existing landscaping.

Payment for "Remove Tree ~~with Roots~~", shall be at the contract unit price as set forth in the proposal and shall include all labor, materials, tools, equipment, and all work necessary for the completion of this item.

NATIVE FILL MATERIAL FOR SLOPES

The Contractor shall fill the areas with native material, as required to achieve slopes, grades, in eight-inch loose lift thickness achieving minimum 88% relative compaction but no more than 92% to the areas as shown on plans. Uniformly moisture conditioned for at least 4% the optimum moisture content.

Payment for, "Native Fill Material for Slopes," shall be at the contract lump sum price as set forth in the proposal and shall include all labor, materials, tools, equipment, compaction, grading and all work necessary for the completion of this item.

CONCRETE BIKE PATH

The Contractor shall install Class I Concrete Bikeway in accordance with City of Merced Standard Design BW-1A, the Plans, and these Special Provisions. This item shall include all cut or fill work, base material, grading, compaction, installation of 6 x 6 w.w. mesh and all conditions described in the applicable City of Merced Standard Designs or the Plans.

The Contractor shall moisture condition subgrade to at least 3% above the optimum moisture content to a depth of 12" and compact existing sub-grade to 90%, but not more than 95%, followed by Caltrans Class 2 aggregate base.

This item shall also include "Burke Keyed Kold Joints" (or equal) every 24' along concrete bike path, and 1 ½" deep control joints sawcut at 8' O.C. between Kold joints (typ.). The width of the concrete bikeway shall be 8' minimum with a 2' wide minimum graded area adjacent to the concrete.

10-Mil Polyolefin – The Contractor shall install 10 mil polyolefin vapor barrier where concrete does not abut against hardscape, such as a park strip or planting area. The vapor barrier shall be installed to a minimum depth of 18 inches and to a minimum of 12 inches under the bikeway.

Payment for "Concrete Bike Path" shall be at the contract unit price as set forth in the proposal and shall include all labor, materials, tools, equipment, compaction, and all work necessary for the completion of this item.

~~LAWNS AND GRASS~~ LANDSCAPING

The Contractor shall provide all labor, materials, tools, equipment, and incidentals as shown, specified, and required to furnish and install all lawn sod. Extent of the sod installation is shown.

Payments shall be made at the unit price per square foot as listed on the submitted Bid schedule. The unit price shall constitute full compensation for providing all labor, materials, and equipment, both temporary and permanent, and all other cost associated with final grading and seeding. This includes, but not limited to removal, required grading, topsoil, seeding, mulching, protection of existing utilities, and any other requirements to complete the work in accordance with the drawings and specifications, unless otherwise classified as a separate work item.

Measure of surfaces sodded or seeded shall be made of the area within the rights-of-way or easements designated by the Engineer of restoration.

Source Quality Control:

Provide sod procured from areas having growing conditions similar to location of Site. Machine-cut sod into rectangular sections, exercising care to retain the native soil on the roots of the sod, during strip-ping, transportation and planting. Cut and move sod only when soil moisture conditions are such that favorable results can be expected. Rectangular sections of sod may vary in length but shall be equal in width and of a size that permits the sod to be lifted and rolled without breaking.

Turf Grass Sod Material:

1. Sod shall be a variety or blend of Kentucky Bluegrass or fescue cut to a height of 2 to 3 inches and shall be free from all primary and noxious weeds.
2. Provide strongly rooted machine-cut sod, not less than 2 years old of uniform density, color and texture from a similar climate region. Provide only sod capable of vigorous growth and development when planted (viable, not dormant) and in strips no less than 16 inches wide and shall be no less than 2 feet in length. Edges of sod shall be cut to a uniform thickness of no less than 3/4-inch (excluding top growth and thatch).

INSPECTION -- Contractor shall examine the areas and conditions under which lawn and grass Work is to be performed, and notify Engineer, in writing, of conditions detrimental to the proper and timely completion of the Work. Do not proceed with the Work until unsatisfactory conditions have been corrected in a manner acceptable to Engineer.

SODDING LAWNS -- Do not lay sod on ground that is frozen, dust dry or that has not been uniformly prepared, as specified. Do not lay dormant sod. Lay sod within 24 hours of harvesting. Lay sod to form a solid mass with tightly fitted joints. Butt ends and sides of sod strips; do not overlap. Stagger strips to offset joints in adjacent courses. Work from boards to avoid damage to subgrade or sod. Place sod strips in straight lines parallel to one another. Lay sod across angle of slopes exceeding one on three.

Anchor sod on slopes exceeding one on three and steeper, and in ditches with grade steeper than one percent. Space anchors as recommended by sod Supplier, but not less than two anchors for each sod strip to prevent slippage. Use the following anchor dimensions:

Wood Peg Anchors: 1/2 inch x 3/4 inch x 12 inch minimum. T-shaped Wire Pins: Machine bent from 8 gauge low carbon steel with a minimum if an 8 inch leg, a 4 inch head, and a 1 inch secondary drive. Immediately upon completion of a section of sodding, tamp, roll lightly and water to ensure contact with subgrade and elimina-tion of air pockets. Work sifted soil into minor cracks between pieces of sod; remove excess to avoid smothering of adjacent grass. Immediately after planting, water sod thoroughly with a fine spray. Water sufficiently to ensure penetration of moisture to bottom of prepared topsoil layer; not just to bottom of sod blanket.

ACCEPTANCE CRITERIA FOR LAWNS AND GRASS AREAS -- Areas Sodded with "Turf Grass Sod": When a healthy, well-rooted, even-colored, viable lawn has been established, free of weeds, open joints, bare areas, and surface irregularities. Where lawns and grass areas do not comply with specified acceptance criteria, reestablish lawns and grasses and continue warranty period until lawns and grasses comply with criteria for acceptance.

CLEANUP AND PROTECTION -- Promptly remove soil and debris, created by lawn and grass Work, from paved areas. Clean wheels of vehicles before leaving Site to avoid tracking soil and topsoil onto roads, walks, or other paved areas.

Payment for "Landscaping" shall be at the unit sum price paid as set forth in the proposal and shall include all labor, materials, tools, equipment, compaction, and all work necessary for the completion of this item.

RELOCATION OF BENCH WITH NEW CONCRETE PAD

The bench at McNamara Park is to be removed from its current location and existing pad demolished. The bench is to be relocated to a new location per Plans and a new concrete pad matching the existing one's dimensions to be installed.

Payment for "Relocate bench and install new concrete pad" shall be at the lump sum price paid as set forth in the proposal and shall include all labor, materials, tools, equipment, compaction, and all work necessary for the completion of this item.

RESTORATION

The Contractor shall restore all areas adjacent to the construction area and areas affected during construction to their preconstruction condition. Specifically included in this item are all concrete and asphalt pavement, signs, walls, base flooring, ceiling, and all other items damaged during construction, pavement markings, landscaping and irrigation, fencing and all items damaged during construction.

The contractor shall grade sites according to the plans to meet a 6:1 slope ratio from the new restroom walkway to it's surroundings.

The Contractor shall also modify *and bring to grade* any water sprinkler service that has to be moved back of the new sidewalk so that it remains functional after modification. Contractor shall make the modifications using the same type of materials as the existing system, or materials as approved by the Engineer. Contractor shall remove sidewalk formwork, cleanup and backfill with soil and re-sod to match existing landscaping.

Payment for "Restoration of site" shall be at the lump sum price paid as set forth in the proposal and shall include all labor, materials, tools, equipment, compaction, and all work necessary for the completion of this item.

PUBLIC CONVENIENCE AND SAFETY

The Contractor shall be responsible for all the provisions of this item, including issuance of all notices necessary for prosecution of the work.

Construction Area Signs -- Construction area signs and traffic cones shall be furnished, installed, maintained, and removed when no longer required in accordance with the provisions in Section 12, "Temporary Traffic Control," of the State Specifications, and these Special Provisions. Specifically included in this item are all detour signage.

The Contractor shall notify the appropriate regional notification center for operators of subsurface installations at least two (2) working days, but not more than 14 calendar days, prior to commencing any excavation for construction area signposts. The regional notification centers include, but not limited to the following:

Notification Center	Telephone
Underground Service Alert (USA) (Northern California)	1-800-227-2600

All excavations required to install construction area signs shall be performed by hand methods without the use of power equipment, except that power equipment may be used if it is determined that there were no utility facilities in the area of the proposed post holes.

Sign substrates for stationary mounted construction area signs may be fabricated from fiberglass reinforced plastic as specified under "Prequalified and Tested Signing and Delineation Materials" elsewhere in these Special Provisions.

Type IV reflective sheeting for sign panels for portable construction area signs shall conform to the requirements specified under "Prequalified and Testing Signing and Delineation Materials" elsewhere in these Special Provisions.

The term "construction area signs" shall also include temporary object markers required for the direction of public traffic through or around the work during construction. Object markers listed or designated on the plans as construction area signs shall be considered to be signs and shall be furnished, erected, maintained and removed by the Contractor in the same manner specified for construction area signs and the following:

Object markers shall be stationary mounted on wood or metal posts in accordance with the details shown on the plans and the requirements in Section 82, "Markers and Delineators," of the Standard Specifications.

Marker panels for Type N, Type P and Type R object markers shall conform to the requirements for sign panels for stationary mounted signs.

Target plates for Type K and Type L object markers and posts, reflectors and hardware shall conform to the requirements in said Section 82, but need not be new.

When a street section is to be closed, it shall be solidly barricaded, and signs shall be posted at the closure points indicating "Street Closed."

Full cost of providing and removing construction area signs shall be borne exclusively by the Contractor and shall be considered as included in the contract lump sum price for "Public Convenience & Safety."

WATER POLLUTION CONTROL

Summary

It shall be the responsibility of the Contractor to comply with all of the requirements of the latest NPDES General Permit for "Storm Water Discharges Associated with Construction and Land Disturbance Activities" (Order No. 2009-0009-DWQ, NPDES No. CAS000002) hereinafter called the "Permit" and standard industry practice.

This includes, but is not limited to, preparing plans and application, maps as well as all necessary reporting on the SWQCB's Storm Water Multiple Application and Report Tracking System (SMARTS System). The Contractor, working with their certified Qualified Storm Water Pollution Prevention Plan (SWPPP) Developer (QSD), will determine what would be the best course of action to comply with the latest State NPDES General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities Order No. 2009-0009- DWQ. If the Contractor's QSD determines a SWPPP is the best course of action, it shall be the responsibility of the Contractor and their QSD to submit to Construction Management a completed SWPPP for review. Upon acceptance of the SWPPP document by Construction Management, the QSD shall prepare a Notice of Intention (NOI) application in the SWQCB's SMARTS System and upload all necessary documents and maps to be approved by the Legally Responsible Person (LRP). Until a written approval of the SWPPP has been obtained from the SWQCB, no construction activity shall commence on the project site. Upon obtaining written approval of the SWPPP, it shall be the responsibility of the Contractor to implement the SWPPP. Throughout the course of the project, the Contractor's Qualified SWPPP Practitioner (QSP) shall conduct periodic inspections, testing, any reporting on the SMARTS System as well as coordinate with the QSD to update the SWPPP as necessary. At the conclusion of construction, it shall be the responsibility of the Contractor and his or her QSD/QSP to ensure Annual Report(s) have been prepared on the SMARTS System as well as prepare the Notice of Termination (NOT) for City's approval. The Contractor shall keep a copy of the approved SWPPP, and amendments thereto, at the job site and in the general business office of the Contractor. In addition, the Contractor shall make available to Construction Management copies of all amendments to the SWPPP as prepared by the Contractor. The SWPPP shall be made available upon request of a representative of the Fresno Metropolitan Flood Control District, Regional Water Quality Control Board, State Water Resources Control Board or U. S. Environmental Protection Agency. Requests by the public shall be directed to the Engineer.

If the Contractor and/or his/her QSD determines that a SWPPP is not necessary, then it shall be the responsibility of the Contractor to provide a list of Best Management Practices (BMP) that are to be implemented during the Work to Construction Management. The Contractor shall implement the BMP in a timely manner and maintain throughout the duration of the project. The Contractor shall keep a copy of the BMP list and any modification to the list at the job site and in the general business office of the Contractor. In addition, the Contractor shall make available to the City copies of all modifications to the BMP list. The BMP list shall be made available upon request of a representative of the Fresno Metropolitan Flood Control District, Regional Water Quality Control Board, State Water Resources Control Board or U. S. Environmental Protection Agency. Requests by the public shall be directed to Construction Management.

Notice of violation and/or fines for any non-compliance will be the responsibility of the Contractor.

Manage work activities to reduce the discharge of pollutants to surface waters, groundwater, or municipal separate storm sewer systems including work items shown in the Bid Item List for:

1. Prepare Storm Water Pollution Prevention Plan. SWPPP preparation includes obtaining SWPPP approval, amending the SWPPP, preparing a CSMP and a SAP, and monitoring and inspecting WPC practices at the job site.
2. Storm Water Annual Report. Storm Water Annual Report preparation includes certifications, monitoring and inspection results, and obtaining Storm Water Annual Report acceptance.
3. Storm Water Sampling and Analysis Day. Storm Water Sampling and Analysis Day includes reporting of storm water quality per qualifying rain event. If specified for the risk level, the work includes preparation, collection, analysis, and reporting of storm water samples for turbidity, pH, and other constituents.
4. Rain Event Action Plan. If specified for the project risk level, REAP preparation includes preparing and submitting REAP forms and monitoring weather forecasts.

Do not start work until:

1. SWPPP is approved by the City.
2. SWPPP is uploaded onto the SMART System.
3. WDID is issued.
4. SWPPP review requirements have been fulfilled. If the RWQCB requires time for SWPPP review, allow 30 days for the RWQCB to review the SWPPP as specified under "Submittals" of these special provisions.

This project is anticipated to be Risk Level 1.

Definitions and Abbreviations

active and inactive areas: (1) Active areas have soil disturbing work activities occurring at least once within 14 days, and (2) Inactive areas are areas that have not been disturbed for at least 15 days.

BMPs: Best Management Practices are water pollution control practices.

construction phase: Construction phases are (1) Highway Construction including work activities for building roads and structures, (2) Plant Establishment including maintenance on vegetation installed for final stabilization, and (3) Suspension where work activities are suspended and areas are inactive.

CSMP: Construction Site Monitoring Program.

NAL: Numeric Action Level.

NEL: Numeric Effluent Limit.

NPDES: National Pollutant Discharge Elimination System.

NOI: Notice of Intent.

Normal working hours: The hours you normally work on this project.

Preparation Manual: The Department's "Storm Water Pollution Prevention Plan and Water Pollution Control Program Preparation Manual."

QSD: Qualified SWPPP Developer.

QSP: Qualified SWPPP Practitioner.

Qualified rain event: A qualified rain event is a storm that produces at least 0.5 inch of precipitation with a 48 hour or greater period between storms.
REAP: Rain Event Action Plan.
RWQCB: Regional Water Quality Control Board.
SAP: Sampling and Analysis Plan.
SSC: Suspended Sediment Concentration.

SWRCB: State Water Resources Control Board. SWPPP: Storm Water Pollution Prevention Plan. **WDID:** Waste Discharge Identification Number. WPC: Water Pollution Control.
WPC Manager: Water Pollution Control Manager. The WPC Manager implements water pollution control work described in the SWPPP and oversees revisions and amendments to the SWPPP.

Submittals
Within 20 days after contract approval, start the following process for SWPPP approval:

1. Submit 3 copies of the SWPPP and allow 20 days for the Engineer's review. If revisions are required, the Engineer provides comments and specifies the date that the review stopped.
2. Change and resubmit the SWPPP within 15 days of receipt of the Engineer's comments. The Engineer's review resumes when the complete SWPPP is resubmitted.
3. When the Engineer approves the SWPPP, submit an electronic and 4 printed copies of the approved SWPPP.
4. If the RWQCB reviews the approved SWPPP, the Engineer submits one copy of the approved SWPPP to the RWQCB for their review and comment. RWQCBs requiring time to review SWPPPs include:
5. If the Engineer requests changes to the SWPPP based on RWQCB comments, amend the SWPPP within 10 days.

Submit:

1. Storm water training records including training dates and subjects for employees and subcontractors. Include dates and subjects for ongoing training, including tailgate meetings.
2. Employee training records.

    2.1. Within 5 days of SWPPP approval for existing employees
    2.2. Within 5 days of training for new employees
    2.3. At least 5 days before subcontractors start work for subcontractor's employees

Prepare a Storm Water Annual Report for the reporting period from July 1st to June 30th. For the prior reporting period, submit the report no later than July 15th if construction occurs from July 1st through June 30th or within 15 days after contract acceptance if construction ends before June 30th. Submit the Storm Water Annual Report as follows:

1. Submit 2 copies of the Storm Water Annual Report and allow 10 days for the Engineer's review. If revisions are required, the Engineer provides comments and specifies the date that the review stopped.
2. Change and resubmit the Storm Water Annual Report within 5 days of receipt of the Engineer's comments. The Engineer's review resumes when the complete Storm Water Annual Report is resubmitted.
3. When the Engineer accepts the Storm Water Annual Report, insert the WPC Manager's signed certification and the Engineer's signed certification.

Submit one electronic copy and 2 printed copies of the accepted Storm Water Annual Report. Submit as required:

1. NAL Exceedance Reports
2. NEL Exceedance Reports
3. Visual Monitoring Reports
4. Inspection Reports
5. BMP Status Report

At least 5 days before operating any construction support facility, submit:

1. A plan showing the location and quantity of WPC practices associated with the construction support facility
2. A copy of the NOI approved by the RWQCB and the SWPPP approved by the RWQCB if you will be operating a batch plant or a crushing plant under the General Industrial Permit

Quality Control and Assurance Training

Provide storm water training for:

1. Project managers
2. Supervisory personnel
3. Employees involved with WPC work

Train all employees, including subcontractor's employees, in the following subjects:

1. WPC rules and regulations
2. Implementation and maintenance for:

2.1. Temporary Soil Stabilization
2.2. Temporary Sediment Control
2.3. Tracking Control
2.4. Wind Erosion Control
2.5. Material pollution prevention and control
2.6. Waste management
2.7. Non-storm water management

2.8. Identifying and handling hazardous substances
2.9. Potential dangers to humans and the environment from spills and leaks or exposure to toxic or hazardous substances

Employees must receive initial WPC training before working on the job site. Conduct weekly training meetings covering:

1. WPC BMP deficiencies and corrective actions
2. BMPs that are required for work activities during the week
3. Spill prevention and control
4. Material delivery, storage, use, and disposal
5. Waste management
6. Non-storm water management procedures

Training for personnel to collect water quality samples must include:

1. SAP review
2. Health and safety review
3. Sampling simulations

A Storm Water Information Handout has been prepared for this contract and is available as described in "Supplemental Project Information" of these special provisions.
If you operate construction support facilities, protect storm water systems or receiving waters from the discharge of potential pollutants by using WPC practices.
Construction support facilities include:

1. Staging areas
2. Storage yards for equipment and materials
3. Mobile operations
4. Batch plants for PCC and HMA
5. Crushing plants for rock and aggregate
6. Other facilities installed for your convenience such as haul roads

If you operate a batch plant to manufacture PCC, HMA, or other material; or a crushing plant to produce rock or aggregate; obtain coverage under the General Industrial General Permit. You must be covered under the General Industrial Permit for batch plants and crushing plants located:

1. Outside of the job site
2. Within the job site that serve one or more contracts

Discharges from manufacturing facilities such as batch plants must comply with the general waste discharge requirements for Order No. 97-03-DWQ, NPDES General Permit No. CAS000001, issued by the SWRCB for "Discharge of Stormwater Associated with Industrial Activities Excluding Construction Activities." For the General Industrial Permit, go to:

http://www.waterboards.ca.gov/

You may obtain copies of the Preparation Manual from the Publication Distribution Unit. The mailing address for the Publication Distribution Unit is:

State of California
Department of Transportation
Publication Distribution Unit
1900 Royal Oaks Drive
Sacramento, California 95815
Telephone: (916) 445-3520

The Preparation Manual and other WPC references are available at the Department's "Construction Storm Water and Water Pollution Control" Web site. For the Web site, go to:

http://www.dot.ca.gov/hq/construc/stormwater/stormwater1.htm

Water Pollution Control Manager
Assign one WPC Manager to implement the SWPPP. The WPC Manager must comply with the Permit qualifications for a QSP and a QSD. You may assign a different QSD to prepare the SWPPP. The QSD must have the following qualifications:

1. Department approved storm water management training described in the Department's "Construction Storm Water and Water Pollution Control" web site
2. Registration or certification described in the Permit

The QSP must meet the qualifications of the QSD or have the following certifications:

1. Department approved storm water management training described in the Department's "Construction Storm Water and Water Pollution Control" web site
2. Certification described in the Permit

At the job site, the WPC Manager must:

1. Be responsible for WPC work
2. Be the primary contact for WPC work
3. Oversee the maintenance of WPC practices
4. Oversee and enforce hazardous waste management practices
5. Have the authority to mobilize crews to make immediate repairs to WPC practices
6. Ensure that all employees have current water pollution control training
7. Implement the approved SWPPP and amend the SWPPP when required

WPC Manager must oversee:

1. Inspections of WPC practices identified in the SWPPP
2. Inspections and reports for visual monitoring
3. Preparation and implementation of REAPs
4. Sampling and analysis
5. Preparation and submittal of:
    - 5.1. NAL exceedance reports
    - 5.2. NEL exceedance reports
    - 5.3. SWPPP annual certification
    - 5.4. Annual reports
    - 5.5. BMP status reports

STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

General

SWPPP work includes preparing a SWPPP including a CSMP, obtaining SWPPP approval, amending the SWPPP, inspecting and reporting on WPC practices at the job site. The SWPPP must comply with the Preparation Manual and the Permit. The SWPPP must be submitted in place of the water pollution control program under Section 13-2, "Water Pollution Control Program," of the Standard Specifications.

Additional WPC work will be paid for as extra work under Section 4-1.05, "Changes and Extra Work," of the Standard Specifications.

The SWPPP must include sections as specified for the project risk level as follows:

1. For risk level 1:
    - 1.1. Schedule
    - 1.2. CSMP

2. For risk level 2:

    2.1. Schedule
    2.2. CSMP
    2.3. Adherence to Effluent Standards for NALs
    2.4. REAP

3. For risk level 3:

    3.1. Schedule
    3.2. CSMP
    3.3. Adherence to Effluent Standards for NALs and NELs
    3.4. REAP

The SWPPP must include WPC practices for:

1. Storm water and non-stormwater from areas outside of the job site related to project work activities such as:

    1.1. Staging areas
    1.2. Storage yards
    1.3. Access roads

2. Activities or mobile operations related to contractor obtained NPDES permits
3. Construction support facilities

The SWPPP must include a copy of permits obtained by the Department such as Fish & Game permits, US Army Corps of Engineers permits, RWQCB 401 Certifications, and RWQCB Waste Discharge Requirements for Aerially Deposited Lead Reuse.
Amend the SWPPP annually and resubmit it by July 15th. Amend the SWPPP if:

1. Changes in work activities could affect the discharge of pollutants
2. WPC practices are added by change order work
3. WPC practices are added at your discretion
4. Changes in the amount of disturbed soil are substantial
5. Objectives for reducing or eliminating pollutants in storm water discharges have not been achieved
6. There is a Permit violation

Whenever you amend the SWPPP, follow the same process specified for SWPPP approval. Retain a printed copy of the approved SWPPP at the job site.

SWPPP Schedule
The SWPPP schedule must:

1. Describe when work activities will be performed that could cause the discharge of pollutants into storm water
2. Describe WPC practices associated with each construction phase
3. Identify soil stabilization and sediment control practices for disturbed soil areas

Construction Site Monitoring Program (CSMP)
General
The QSD must prepare a CSMP as part of the SWPPP. The CSMP must be developed before starting work and be revised to reflect current construction activities as necessary.
The CSMP must include sections for the project risk level as follows:

1. For risk level 1:

    1.1. Visual Monitoring
    1.2. SAP for Non-Visible Pollutants

2. For risk level 2:

    2.1. Visual Monitoring
    2.2. SAP for Non-Visible Pollutants
    2.3. SAP for sediment and turbidity
    2.4. SAP for pH

3. For risk level 3:

    3.1. Visual Monitoring
    3.2. SAP for Non-Visible Pollutants
    3.3. SAP for sediment and turbidity
    3.4. SAP for pH
    3.5. SAP for receiving waters
    3.6. SAP for temporary active treatment systems

Visual Monitoring
The WPC Manager must oversee the performance of visual inspections for qualifying rain events. For each qualifying rain event, perform visual inspections and record observations during normal working hours as follows:

1. Record the time, date, and rain gauge reading
2. Observe:

2.1. Within 2 days before the storm:

2.1.1 Drainage areas for spills, leaks, or uncontrolled pollutants
2.1.2 Proper implementation of WPC practices
2.1.3 Storm water storage areas for leaks and adequate freeboard

2.2. Every 24 hours during the storm:

2.2.1 WPC practices for effective operation
2.2.2 WPC practices needing maintenance and repair

2.3. Within 2 days after the storm event:

2.3.1. Discharge locations
2.3.1. WPC practices to evaluate the design, implementation, and effectiveness
2.3.1. To identify where additional WPC practices may be needed.

Perform non-stormwater discharge visual inspections as follows:

1. At least once during each of the following periods:

   1.1. January through March
   1.2. April through June
   1.3. July through September
   1.4. October through December

2. Observe flowing and contained storm water for the presence of floating and suspended materials, sheen on the surface, discoloration, turbidity, odors, and sources of observed pollutants
3. Observe the job site for the presence of authorized and unauthorized non-stormwater discharges and their sources

The WPC Manager must prepare visual inspection reports that include the following:

1. Name of personnel performing the inspection, inspection date, and date inspection report completed
2. Storm and weather conditions
3. Locations and observations
4. Corrective actions taken

Maintain visual inspections reports at the job site as part of the SWPPP.

Sampling and Analysis Plan (SAP)
General
Include a SAP in the CSMP to monitor the effectiveness of WPC practices. The SAP must comply with the Preparation Manual.
Assign trained personnel to collect water quality samples. Document their training in the SAP. Describe the following water quality sampling procedures in the SAP:

1. Sampling equipment
2. Sample preparation
3. Collection
4. Field measurement methods
5. Analytical methods
6. Quality assurance and quality control
7. Sample preservation and labeling
8. Collection documentation
9. Sample shipping
10. Chain of custody
11. Data management and reporting
12. Precautions from the construction site health and safety plan
13. Laboratory selection and certifications

Whenever assigned field personnel take samples, comply with the equipment manufacturer's recommendation for collection, analysis methods, and equipment calibration.
Samples taken for laboratory analysis must follow water quality sampling procedures and be analyzed by a State-certified laboratory under 40 CFR Part 136, "Guidelines Establishing Test Procedures for the Analysis of Pollutants."

The SAP must identify the State-certified laboratory, sample containers, preservation requirements, holding times, and analysis method. For a list of State-certified laboratories, go to:

http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx

Include procedure for sample collection during precipitation.

Retain water quality sampling documentation and analytical results with the SWPPP at the job site.

Show pollutant sampling locations on SWPPP drawings.
If discharges or sampling locations change because of changed work activities or knowledge of site conditions, amend the SAP.

If the project is risk level 2 or risk level 3, include procedures for collecting and analyzing at least 3 samples for each day of each qualifying rain event. Describe the collection of effluent samples at all locations where the storm water is discharged off-site.

Analytical Results and Evaluation
Submit an electronic copy (in file format .xls, .txt, .csv, .dbs, or .mdb) and a printed copy of water quality analytical results, and quality assurance and quality control within 48 hours of field analysis sampling, and within 30 days for laboratory analysis. Also provide an evaluation of whether the downstream samples show levels of the tested parameter that are higher than the control sample.

Electronic water quality analysis results must have the following information:

1. Sample identification number
2. Contract number
3. Constituent
4. Reported value
5. Analytical method
6. Method detection limit
7. Reported limit

SAP for Non-Visible Pollutants

The SAP must include a description of the sampling and analysis strategy for monitoring non- visible pollutants.

The SAP must identify potential non-visible pollutants present at the job site associated with any of the following:

1. Construction materials and waste
2. Existing contamination due to historical site usage
3. Application of soil amendments, including soil stabilization materials, with the potential to change pH or contribute toxic pollutants to storm water

SWPPP drawings must show the locations planned for storage and use of potential non-visible pollutants.

The SAP must include sampling procedures for the following conditions when observed during a storm water visual inspection. For each of the following, collect at least one sample for each qualifying storm event:

1. Materials or waste containing potential non-visible pollutants that are not stored under watertight conditions
2. Materials or waste containing potential non-visible pollutants that are stored under watertight conditions, but a breach, leakage, malfunction, or spill is observed; the leak or spill has not been cleaned up before precipitation; and material or waste could discharge non-visible pollutants to surface waters or drainage system
3. Chemical applications, including fertilizer, pesticide, herbicide, methyl methacrylate concrete sealant, or non-pigmented curing compound used during precipitation or within 24 hours preceding precipitation, and could discharge pollutants to surface waters or drainage system
4. Applied soil amendments, including soil stabilization materials that could change pH levels or contribute toxic pollutants to storm water runoff and discharge pollutants to surface waters or drainage system, unless available independent test data indicates acceptable concentrations of non-visible pollutants in the soil amendment
5. Storm water runoff from an area contaminated by historical usage of the site that could discharge pollutants to surface waters or drainage systems

The SAP must provide sampling procedures and schedule for:

1. Sample collection during the first 2 hours of each rain event that generate runoff
2. Sample collection during normal working hours
3. Each non-visible pollutant source
4. Uncontaminated control sample

The SAP must identify locations for sampling downstream and control samples, and reasons for selecting those locations. Select control sample locations where the sample will not come in contact with materials, waste, or areas associated with potential non-visible pollutants or disturbed soil areas.

SAP for Sediment and Turbidity

If the project is risk level 2 or risk level 3, sample and analyze for turbidity:

Parameter	Test Method	Detection Limit (Min)	Unit
Turbidity	Field test with calibrated portable instrument	1	NTU

If the project is risk level 3 and the turbidity NEL has been exceeded, sample and analyze for SSC:

Parameter	Test Method	Detection Limit (Min)	Unit
SSC	ASTM Method D3977-97	5	Mg/L

SAP for pH

If the project is risk level 2 or risk level 3, sample and analyze for pH:

Parameter	Test Method	Detection Limit (Min)	Unit
pH	Field test with calibrated portable instrument	0.2	pH units

SAP for Receiving Waters

If the project is risk level 3, describe procedures for obtaining samples from representative and accessible locations:

1. Upstream of the discharge point
2. Downstream of the discharge point

Show receiving water sampling locations on SWPPP drawings.

If there are several discharge points, describe procedures for obtaining samples from a single upstream and a single downstream location.

Rain Event Action Plan (REAP)

REAP work includes preparing and submitting REAP forms and monitoring weather forecasts. The WPC Manager must submit a REAP to protect the job site at least 48 hours before a predicted rain event.

Prepare a REAP when the National Weather Service is predicting at least a 50 percent probability of precipitation within 72 hours.

For the REAP, use approved forms and include:

1. Site location
2. Risk level
3. Contact information including 24-hour emergency phone numbers for:

    3.1. WPC Manager

3.2. Erosion and sediment control providers or subcontractors
3.3. Storm water sampling providers or subcontractors

4. Storm Information
5. Construction phase information for:

5.1. Highway Construction including active and inactive areas for work activities for building roads and structures
5.2. Plant Establishment including maintenance on vegetation installed for final stabilization where areas are inactive
5.3. Suspension where work activities are suspended and areas are inactive

6. Construction phase information including:

6.1. Construction activities
6.2. Subcontractors and trades on the job site
6.3. Pre-storm activities including:

6.3.1. Responsibilities of the WPC Manager
6.3.2. Responsibilities of the crew and crew size
6.3.3. Stabilization for active and inactive disturbed soil areas
6.3.4. Stockpile management
6.3.5. Corrective actions taken for deficiencies identified during pre-storm visual inspection

6.4. Activities to be performed during storm events including:

6.4.1. Responsibilities of the WPC Manager
6.4.2. Responsibilities of the crew and crew size
6.4.3. BMP maintenance and repair

6.5. Description of flood contingency measures

You must have the REAP onsite at least 24 hours before a predicted rain event. A printed copy of each REAP must be at the job site as part of the SWPPP

Implement the REAP including mobilizing crews to complete activities no later than 24 hours before precipitation occurs.

IMPLEMENTATION REQUIREMENTS

SWPPP Implementation

Obtain, install, and maintain a rain gauge at the job site. Observe and record daily precipitation.

Monitor the National Weather Service Forecast Office on a daily basis. For forecasts, go to:
http://www.srh.noaa.gov/forecast

Whenever you or the Engineer identifies a deficiency in the implementation of the approved SWPPP:

1. Correct the deficiency immediately, unless the Engineer agrees to a later date for making the correction
2. Correct the deficiency before precipitation occurs

If you fail to correct the deficiency by the agreed date or before the onset of precipitation, the Department may correct the deficiency and deduct the cost of correcting the deficiency from payment.

Continue SWPPP implementation during any temporary suspension of work activities.
Install WPC practices within 15 days or before predicted precipitation, whichever occurs first.

Numeric Action Levels (NALs)

If the project is risk level 2 or risk level 3, then it is subject to NALs:

Parameter	Test Method	Detection Limit (Min)	Unit	Numeric Action Level
pH	Field test with calibrated portable instrument	0.2	pH units	Lower NAL = 6.5 Upper NAL = 8.5
Turbidity	Field test with calibrated portable instrument	1	NTU	250 NTU

Numeric Effluent Limits (NELs)

If the project is risk level 3, then it is subject to NELs:

Parameter	Test Method	Detection Limit (Min)	Unit	Numeric Effluent Limit
pH	Field test with calibrated portable instrument	0.2	pH units	Lower NEL = 6.0 Upper NEL = 9.0
Turbidity	Field test with calibrated portable instrument	1	NTU	500 NTU

The storm event daily average for storms up to the 5-year, 24-hour storm, must not exceed the NEL for turbidity.

The daily average sampling results must not exceed the NEL for pH.

Storm Water Sampling and Analysis Day

Storm Water Sampling and Analysis Day work includes preparation, collection, analysis, and reporting of storm water samples for turbidity, pH, and other constituents. If the project is risk level 2 or risk level 3, and there is a qualified rain event that produces runoff, comply with the project's SAP for preparation, collection, analysis, and reporting of storm water samples. Collect:

1. Samples for each non-visible pollutant source and a corresponding uncontaminated control sample
2. Samples for turbidity, pH, and other constituents as specified
3. At least 3 samples for each day of each qualifying rain event
4. Samples for all locations where the storm water is discharged off-site

Perform sample collection during:

1. First 2 hours of each qualified rain event that produces runoff
2. Normal working hours

If the project is risk level 3, obtain receiving water samples.
You are not required to physically collect samples during dangerous weather conditions such as flooding or electrical storms.
If downstream samples show increased levels, assess WPC practices, site conditions, and surrounding influences to determine the probable cause for the increase.

Inspection
The WPC Manager must oversee inspections for WPC practices identified in the SWPPP:

1. Before a forecasted storm
2. After precipitation that causes site runoff
3. At 24-hour intervals during extended precipitation
4. On a predetermined schedule, a minimum of once a week

The WPC Manager must oversee daily inspections of:

1. Storage areas for hazardous materials and waste
2. Hazardous waste disposal and transporting activities

3. Hazardous material delivery and storage activities
4. WPC practices specified under "Construction Site Management" of these special provisions

The WPC Manager must use the Storm Water Site Inspection Report provided in the Preparation Manual.
The WPC Manager must prepare BMP status reports that include the following:

1. Location and quantity of installed WPC practices
2. Location and quantity of disturbed soil for the active or inactive areas

Within 24 hours of finishing the weekly inspection, the WPC Manager must submit:

1. Copy of the completed site inspection report
2. Copy of the BMP status report

REPORTING REQUIREMENTS
Storm Water Annual Report
Storm Water Annual Report work includes certifications, monitoring and inspection results, and obtaining Storm Water Annual Report acceptance. The WPC Manager must prepare a Storm Water Annual Report. The report must:

1. Use an approved report format
2. Include project information including description and location
3. Include storm water monitoring information including:

    3.1. Summary and evaluation of sampling and analysis results including laboratory reports
    3.2. Analytical methods, reporting units, detections limits for analytical parameters
    3.3. Summary of corrective actions
    3.4. Identification of corrective actions or compliance activities that were not implemented
    3.5. Summary of violations
    3.6. Names of individuals performing storm water inspections and sampling
    3.7. Logistical information for inspections and sampling including location, date, time, and precipitation
    3.8. Visual observations and sample collection records

4. Include documentation on training for:

    4.1. Individuals responsible for NPDES permit compliance
    4.2. Individuals responsible for BMP installation, inspection, maintenance, and repair
    4.3. Individuals responsible for preparing, revising, and amending the SWPPP

NAL Exceedance Report
If the project is risk level 2 or risk level 3 and an effluent sample exceeds a NAL, notify the Engineer and submit a NAL Exceedance Report no later than 48 hours after the conclusion of the storm event. The report must:

1. Include the following field sampling results and inspections:

    1.1. Analytical methods, reporting units, and detection limits
    1.2. Date, location, time of sampling, visual observation and measurements
    1.3. Quantity of precipitation of the storm event

2. Description of BMPs and corrective actions taken to manage NAL exceedance

NEL Violation Report
If the project is risk level 3 and an NEL is exceeded, notify the Engineer and submit a NEL Violation Report within 6 hours. The report must:

1. Include the following field sampling results and inspections:

    1.1. Analytical methods, reporting units, and detection limits
    1.2. Date, location, time of sampling, visual observations and measurements
    1.3. Quantity of precipitation of the storm event

2. Description of BMPs and corrective actions taken to manage NEL exceedance

If the project is risk level 2 or risk level 3, submit all sampling results to the Engineer no later than 48 hours after the conclusion of a storm event.

PAYMENT

The contract lump sum price paid for "Water Pollution Control" includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in street sweeping, including disposal of collected material, as shown on the plans, as specified in the Standard Specifications, these special provisions, and as directed by the Engineer.

The contract lump sum price paid for prepare storm water pollution prevention plan includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in preparing, obtaining approval of, and amending the SWPPP and CSMP, inspecting water pollution control practices, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

The City does not adjust payment for an increase or decrease in the quantity of storm water sampling and analysis day.

You may request or the Engineer may order laboratory analysis of storm water samples. Laboratory analysis of storm water samples will be paid for as extra work under Section 4- 1.05D, "Extra Work," of the State Standard Specifications.

The City does not pay for the preparation, collection, laboratory analysis, and reporting of storm water samples for non-visible pollutants if WPC practices are not implemented before precipitation or if a failure of a WPC practice is not corrected before precipitation.

The City does not pay for implementation of WPC practices in areas outside the highway right- of-way not specifically provided for in the plans or in the special provisions.

The City does not pay for WPC practices installed at your construction support facilities.
WPC practices for which there are separate bid items of work are measured and paid for as those bid items of work.

AS-BUILT DRAWINGS

Record Drawings shall be submitted before the notice of completion is filed and must include the following:

- Shall be submitted on Mylar, at least 24”x 36”, and shall bear the name, address, telephone number of the firm preparing the drawings and in electronic (AutoCAD) format.
- Surveyor’s/Engineers statement (with embossed or wet seal and with and original signature on each sheet) shall verify the as-built drawings reflect the true conditions in the field.
- Contractor’s statement (with original signature on each sheet) shall verify all construction specifications and product qualities have been met or exceeded.
- “AS-BUILT DRAWINGS” or “RECORD DRAWINGS” shall be clearly labeled on each sheet.
- The location and elevation of the benchmark referenced will be shown on the drawing.
- Corrected placement, grade, elevation and alignment of roads, water system, sewer and storm system, lighting system and appurtenances, pipe sizes, material changes, shall all be shown on as-built drawing.
- All horizontal distances shall be shown to the nearest tenth of a foot (0.1’). All elevations shall be shown to the nearest five hundredths of a foot (0.05’).

Full compensation for conforming to the requirements of this section shall be considered as included in the price paid for the various contract items of work involved and no additional compensation will be made.

AGGREGATE BASE

The Contractor shall furnish and install aggregate base in accordance with the current City of Merced Standards, the Plans, and these Special Provisions.

Aggregate base shall be Class 2 and conforms to the ¾-inch maximum grading provisions in Section 26, "Aggregate Bases" of the State Standard Specifications. Native subgrade material shall be moisture conditioned to at least 3% above the optimum moisture content, compacted to at least 90% but not more than 95% relative compaction as determined by ASTM D1557A.

Full compensation for "Aggregate Base," shall be paid for under the individual items for sub base/base install.

Payment for Aggregate Base under the *concrete~~asphalt~~* paving shall be at the contract unit price as set forth in the proposal and shall include all labor, materials, tools, equipment, compaction and all work necessary for the completion of this item.

EXHIBIT "C" – SPECIAL CONDITIONS

ARTICLE 1 BONDS

Within ten (10) calendar days from the date the Contractor is notified of award of the Contract, the Contractor shall deliver to the City four identical counterparts of the Performance Bond and Payment Bond on the forms supplied by the City and included as Exhibit "F" to the Contract. Failure to do so may, in the sole discretion of City, result in the forfeiture of Contractor's bid security. The surety supplying the bond must be an admitted surety insurer, as defined in Code of Civil Procedure Section 995.120, authorized to do business as such in the State of California and satisfactory to the City. The Performance Bond and the Payment Bond shall be for one hundred percent (100%) of the Total Contract Price.