Appendix I

Stormwater Management Memo for Cole Administration Building

Siegfried Engineers, February 9, 2022

SIEGFRIED

MEMORANDUM

To: Scott Gregory
Lamphier-Gregory

From: Paul Schneider, P.E.
Principal, Civil Engineer
Siegfried Engineering, Inc.
3428 Brookside Rd.,
Stockton, CA 95219

REGISTERED PROFESSIONAL ENGINEER
PAUL J. SCHNEIDER
No. 62498
Exp. 09/30/23
CIVIL
STATE OF CALIFORNIA

Date: February 9, 2022

Re: **Cole Administration Building**
1011 Union Street
Oakland, CA 94607

EXECUTIVE SUMMARY

The Cole Administration Building, located at 1011 Union Street Oakland, CA 94607 is a 2.57-acre lot that was previously paved over and served as an elementary school. The Cole Administration Building project reduces the stormwater impact and has been designed in accordance with the State Water Resource Control Board and local NPDES Provision C.3 Technical Guidelines regarding post-construction stormwater management.

Stormwater runoff is directed into five bioretention planters which will serve both as stormwater detention and treatment prior to discharge to the City of Oakland's storm drain system. Bioretention sizing calculations may be found in Attachment A and B. The location of drainage features including bioretention basins may be found in Attachment C.

The project complies with regional SFRWQCB and has completed the Department of State Architect's (DSA) plan check process. As DSA is the authority of the project the district need not enter into a maintenance agreement with the City of Oakland.

Attachments:

Attachment A: Required Capture Volume Calculations

Attachment B: Provided Capture Volume Calculations

Attachment C: Relevant Improvement Plan Sheets

Attachment A

Required Capture Volume Calculations

Stockton
3428 Brookside Rd.,
Stockton, CA 95219
t: 209.943.2021 f: 209.942.0214

San Jose
111 N. Market St., Ste. 300
San Jose, CA 95113
t: 408.754.2021

Sacramento
900 Howe Ave, #200
Sacramento, CA 95825
t: 916.520.277

Modesto
100 Sycamore Ave, #200
Modesto, CA 95354
t: 209.762.3580

Worksheet for Calculating the Water Quality Design Volume (80 percent capture method)

Instructions: After completing Section 1, make a copy of this Excel file for each Drainage Management Area within the project. Enter information specific to the project and DMA in the cells shaded in yellow. Cells shaded in light blue contain formulas and values that will be automatically calculated.

1.0 Project Information

1-1	Project Name:		
1-2	City application ID:		
1-3	Site Address or APN:		
1-4	Tract or Parcel Map No:		
1-5	Site Mean Annual Precip. (MAP)[1]	**19.0**	**Inches**

The calculations presented here are based on the 80% capture method of sizing **volume-based treatment measures** provided in the Clean Water Program Alameda County C.3 Technical Guidance, v. 4.0. The steps presented below are explained in Chapter 5, Section 5.1 of the guidance manual, applicable portions of which are included in this file, in the tab called "Guidance from Chapter 5".

Refer to the Mean Annual Precipitation Map in Appendix D of the C.3 Technical Guidance to determine the MAP, in inches, for the site. Click here for map

1-6 Applicable Rain Gauge[2]: **Oakland Airport**

Enter "Oakland Airport" if the site MAP is 16.4 inches or greater. Enter "San Jose" if the site MAP is less than 16.4 inches.

MAP adjustment factor is automatically calculated as: **1.04**

(The "Site Mean Annual Precipitation (MAP)" is divided by the MAP for the applicable rain gauge, showin in Table 5.2, below.)

2.0 Calculate Percentage of Impervious Surface for Drainage Management Area (DMA)

2-1 Name of DMA: **DMA 1**

For items 2-2 and 2-3, enter the areas in square feet for each type of surface within the DMA.

	Type of Surface	Area of surface type within DMA (Sq. Ft)	Adjust Pervious Surface	Effective Impervious Area
2-2	Impervious surface	**583**	**1.0**	**583**
2-3	Pervious service	**1,431**	**0.1**	**143**
	Total DMA Area (square feet) =	**2,014**		

2-4 ***Total Effective Impervious Area (EIA)*** **726** **Square feet**

Note:
DMA 1 exceeds 2:1 pervious to impervious ratio and therefore is self-treating. No Bioretention needed.

3.0 Calculate Unit Basin Storage Volume in Inches

Table 5-2: Unit Basin Storage Volumes (in inches) for 80 Percent Capture Using 48-Hour Drawdowns

		Unit Basin Storage Volume (in) for Applicable Runoff Coefficients
Applicable Rain Gauge	**Mean Annual Precipitation (in)**	**Coefficient of 1.00**
Oakland Airport	18.35	0.67
San Jose	14.4	0.56

3-1 ***Unit basin storage volume from Table 5.2:*** **0.67** **Inches**

(The coefficient for this method is 1.00, due to the conversion of any landscaping to effective impervious area)

3-2 ***Adjusted unit basin storage volume:*** **0.69** **Inches**

(The unit basin storage volume is adjusted by applying the MAP adjustment factor.)

3-3 ***Required Capture Volume (in cubic feet):*** **42** **Cubic feet**

(The adjusted unit basin sizing volume [inches] is multiplied by the size of the DMA and converted to feet)

3-4 ***To size an infiltration trench, enter the surface area available:*** **Square feet**

3-5 ***Required depth of infiltration trench, given the surface area available (in 3-4):*** **Feet**

(Assumes 35% void space in rectangular trench with vertical sides.)
(Note: Infiltration trench depths are typically between 3 and 8 feet.)

Worksheet for Calculating the Water Quality Design Volume (80 percent capture method)

Instructions: After completing Section 1, make a copy of this Excel file for each Drainage Management Area within the project. Enter information specific to the project and DMA in the cells shaded in yellow. Cells shaded in light blue contain formulas and values that will be automatically calculated.

1.0 Project Information

1-1	Project Name:		
1-2	City application ID:		
1-3	Site Address or APN:		
1-4	Tract or Parcel Map No:		
1-5	Site Mean Annual Precip. (MAP)[1]	**19.0**	**Inches**

The calculations presented here are based on the 80% capture method of sizing **volume-based treatment measures** provided in the Clean Water Program Alameda County C.3 Technical Guidance, v. 4.0. The steps presented below are explained in Chapter 5, Section 5.1 of the guidance manual, applicable portions of which are included in this file, in the tab called "Guidance from Chapter 5".

Refer to the Mean Annual Precipitation Map in Appendix D of the C.3 Technical Guidance to determine the MAP, in inches, for the site. Click here for map

1-6 Applicable Rain Gauge[2]: **Oakland Airport**

Enter "Oakland Airport" if the site MAP is 16.4 inches or greater. Enter "San Jose" if the site MAP is less than 16.4 inches.

MAP adjustment factor is automatically calculated as: **1.04**

(The "Site Mean Annual Precipitation (MAP)" is divided by the MAP for the applicable rain gauge, showin in Table 5.2, below.)

2.0 Calculate Percentage of Impervious Surface for Drainage Management Area (DMA)

2-1 Name of DMA: **DMA 2**

For items 2-2 and 2-3, enter the areas in square feet for each type of surface within the DMA.

	Type of Surface	Area of surface type within DMA (Sq. Ft)	Adjust Pervious Surface	Effective Impervious Area
2-2	Impervious surface	**23,650**	**1.0**	**23,650**
2-3	Pervious service	**5,820**	**0.1**	**582**
	Total DMA Area (square feet) =	**29,470**		

2-4 ***Total Effective Impervious Area (EIA)*** **24,232** **Square feet**

3.0 Calculate Unit Basin Storage Volume in Inches

Table 5-2: Unit Basin Storage Volumes (in inches) for 80 Percent Capture Using 48-Hour Drawdowns

		Unit Basin Storage Volume (in) for Applicable Runoff Coefficients
Applicable Rain Gauge	**Mean Annual Precipitation (in)**	**Coefficient of 1.00**
Oakland Airport	18.35	0.67
San Jose	14.4	0.56

3-1 ***Unit basin storage volume from Table 5.2:*** **0.67** **Inches**

(The coefficient for this method is 1.00, due to the conversion of any landscaping to effective impervious area)

3-2 ***Adjusted unit basin storage volume:*** **0.69** **Inches**

(The unit basin storage volume is adjusted by applying the MAP adjustment factor.)

3-3 ***Required Capture Volume (in cubic feet):*** **1,401** **Cubic feet**

(The adjusted unit basin sizing volume [inches] is multiplied by the size of the DMA and converted to feet)

3-4 ***To size an infiltration trench, enter the surface area available:*** **Square feet**

3-5 ***Required depth of infiltration trench, given the surface area available (in 3-4):*** **Feet**

(Assumes 35% void space in rectangular trench with vertical sides.)
(Note: Infiltration trench depths are typically between 3 and 8 feet.)

Worksheet for Calculating the Water Quality Design Volume (80 percent capture method)

Instructions: After completing Section 1, make a copy of this Excel file for each Drainage Management Area within the project. Enter information specific to the project and DMA in the cells shaded in yellow. Cells shaded in light blue contain formulas and values that will be automatically calculated.

1.0 Project Information

1-1	Project Name:		
1-2	City application ID:		
1-3	Site Address or APN:		
1-4	Tract or Parcel Map No:		
1-5	Site Mean Annual Precip. (MAP)[1]	**19.0**	**Inches**

The calculations presented here are based on the 80% capture method of sizing **volume-based treatment measures** provided in the Clean Water Program Alameda County C.3 Technical Guidance, v. 4.0. The steps presented below are explained in Chapter 5, Section 5.1 of the guidance manual, applicable portions of which are included in this file, in the tab called "Guidance from Chapter 5".

Refer to the Mean Annual Precipitation Map in Appendix D of the C.3 Technical Guidance to determine the MAP, in inches, for the site. Click here for map

1-6 Applicable Rain Gauge[2]: **Oakland Airport**

Enter "Oakland Airport" if the site MAP is 16.4 inches or greater. Enter "San Jose" if the site MAP is less than 16.4 inches.

MAP adjustment factor is automatically calculated as: **1.04**

(The "Site Mean Annual Precipitation (MAP)" is divided by the MAP for the applicable rain gauge, showin in Table 5.2, below.)

2.0 Calculate Percentage of Impervious Surface for Drainage Management Area (DMA)

2-1 Name of DMA: **DMA 3**

For items 2-2 and 2-3, enter the areas in square feet for each type of surface within the DMA.

	Type of Surface	Area of surface type within DMA (Sq. Ft)	Adjust Pervious Surface	Effective Impervious Area
2-2	Impervious surface	**17,773**	**1.0**	**17,773**
2-3	Pervious service	**3,590**	**0.1**	**359**
	Total DMA Area (square feet) =	**21,363**		

2-4 ***Total Effective Impervious Area (EIA)*** **18,132** **Square feet**

3.0 Calculate Unit Basin Storage Volume in Inches

Table 5-2: Unit Basin Storage Volumes (in inches) for 80 Percent Capture Using 48-Hour Drawdowns

		Unit Basin Storage Volume (in) for Applicable Runoff Coefficients
Applicable Rain Gauge	**Mean Annual Precipitation (in)**	**Coefficient of 1.00**
Oakland Airport	18.35	0.67
San Jose	14.4	0.56

3-1 ***Unit basin storage volume from Table 5.2:*** **0.67** **Inches**

(The coefficient for this method is 1.00, due to the conversion of any landscaping to effective impervious area)

3-2 ***Adjusted unit basin storage volume:*** **0.69** **Inches**

(The unit basin storage volume is adjusted by applying the MAP adjustment factor.)

3-3 ***Required Capture Volume (in cubic feet):*** **1,048** **Cubic feet**

(The adjusted unit basin sizing volume [inches] is multiplied by the size of the DMA and converted to feet)

3-4 ***To size an infiltration trench, enter the surface area available:*** **Square feet**

3-5 ***Required depth of infiltration trench, given the surface area available (in 3-4):*** **Feet**

(Assumes 35% void space in rectangular trench with vertical sides.)
(Note: Infiltration trench depths are typically between 3 and 8 feet.)

Worksheet for Calculating the Water Quality Design Volume (80 percent capture method)

Instructions: After completing Section 1, make a copy of this Excel file for each Drainage Management Area within the project. Enter information specific to the project and DMA in the cells shaded in yellow. Cells shaded in light blue contain formulas and values that will be automatically calculated.

1.0 Project Information

1-1	Project Name:		
1-2	City application ID:		
1-3	Site Address or APN:		
1-4	Tract or Parcel Map No:		
1-5	Site Mean Annual Precip. (MAP)[1]	**19.0**	**Inches**

The calculations presented here are based on the 80% capture method of sizing **volume-based treatment measures** provided in the Clean Water Program Alameda County C.3 Technical Guidance, v. 4.0. The steps presented below are explained in Chapter 5, Section 5.1 of the guidance manual, applicable portions of which are included in this file, in the tab called "Guidance from Chapter 5".

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1-6 Applicable Rain Gauge[2]: **Oakland Airport**

Enter "Oakland Airport" if the site MAP is 16.4 inches or greater. Enter "San Jose" if the site MAP is less than 16.4 inches.

MAP adjustment factor is automatically calculated as: **1.04**

(The "Site Mean Annual Precipitation (MAP)" is divided by the MAP for the applicable rain gauge, showin in Table 5.2, below.)

2.0 Calculate Percentage of Impervious Surface for Drainage Management Area (DMA)

2-1 Name of DMA: **DMA 4**

For items 2-2 and 2-3, enter the areas in square feet for each type of surface within the DMA.

	Type of Surface	Area of surface type within DMA (Sq. Ft)	Adjust Pervious Surface	Effective Impervious Area
2-2	Impervious surface	**14,847**	**1.0**	**14,847**
2-3	Pervious service	**3,457**	**0.1**	**346**
	Total DMA Area (square feet) =	**18,304**		

2-4 ***Total Effective Impervious Area (EIA)*** **15,193** **Square feet**

3.0 Calculate Unit Basin Storage Volume in Inches

Table 5-2: Unit Basin Storage Volumes (in inches) for 80 Percent Capture Using 48-Hour Drawdowns

		Unit Basin Storage Volume (in) for Applicable Runoff Coefficients
Applicable Rain Gauge	**Mean Annual Precipitation (in)**	**Coefficient of 1.00**
Oakland Airport	18.35	0.67
San Jose	14.4	0.56

3-1 ***Unit basin storage volume from Table 5.2:*** **0.67** **Inches**

(The coefficient for this method is 1.00, due to the conversion of any landscaping to effective impervious area)

3-2 ***Adjusted unit basin storage volume:*** **0.69** **Inches**

(The unit basin storage volume is adjusted by applying the MAP adjustment factor.)

3-3 ***Required Capture Volume (in cubic feet):*** **878** **Cubic feet**

(The adjusted unit basin sizing volume [inches] is multiplied by the size of the DMA and converted to feet)

3-4 ***To size an infiltration trench, enter the surface area available:*** **Square feet**

3-5 ***Required depth of infiltration trench, given the surface area available (in 3-4):*** **Feet**

(Assumes 35% void space in rectangular trench with vertical sides.)
(Note: Infiltration trench depths are typically between 3 and 8 feet.)

Worksheet for Calculating the Water Quality Design Volume (80 percent capture method)

Instructions: After completing Section 1, make a copy of this Excel file for each Drainage Management Area within the project. Enter information specific to the project and DMA in the cells shaded in yellow. Cells shaded in light blue contain formulas and values that will be automatically calculated.

1.0 Project Information

1-1	Project Name:		
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1-5	Site Mean Annual Precip. (MAP)[1]	**19.0**	**Inches**

The calculations presented here are based on the 80% capture method of sizing **volume-based treatment measures** provided in the Clean Water Program Alameda County C.3 Technical Guidance, v. 4.0. The steps presented below are explained in Chapter 5, Section 5.1 of the guidance manual, applicable portions of which are included in this file, in the tab called "Guidance from Chapter 5".

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1-6 Applicable Rain Gauge[2]: **Oakland Airport**

Enter "Oakland Airport" if the site MAP is 16.4 inches or greater. Enter "San Jose" if the site MAP is less than 16.4 inches.

MAP adjustment factor is automatically calculated as: **1.04**

(The "Site Mean Annual Precipitation (MAP)" is divided by the MAP for the applicable rain gauge, showin in Table 5.2, below.)

2.0 Calculate Percentage of Impervious Surface for Drainage Management Area (DMA)

2-1 Name of DMA: **DMA 5**

For items 2-2 and 2-3, enter the areas in square feet for each type of surface within the DMA.

	Type of Surface	Area of surface type within DMA (Sq. Ft)	Adjust Pervious Surface	Effective Impervious Area
2-2	Impervious surface	**30,793**	**1.0**	**30,793**
2-3	Pervious service	**9,075**	**0.1**	**908**
	Total DMA Area (square feet) =	**39,868**		

2-4 ***Total Effective Impervious Area (EIA)*** **31,701** **Square feet**

3.0 Calculate Unit Basin Storage Volume in Inches

Table 5-2: Unit Basin Storage Volumes (in inches) for 80 Percent Capture Using 48-Hour Drawdowns

		Unit Basin Storage Volume (in) for Applicable Runoff Coefficients
Applicable Rain Gauge	**Mean Annual Precipitation (in)**	**Coefficient of 1.00**
Oakland Airport	18.35	0.67
San Jose	14.4	0.56

3-1 ***Unit basin storage volume from Table 5.2:*** **0.67** **Inches**

(The coefficient for this method is 1.00, due to the conversion of any landscaping to effective impervious area)

3-2 ***Adjusted unit basin storage volume:*** **0.69** **Inches**

(The unit basin storage volume is adjusted by applying the MAP adjustment factor.)

3-3 ***Required Capture Volume (in cubic feet):*** **1,833** **Cubic feet**

(The adjusted unit basin sizing volume [inches] is multiplied by the size of the DMA and converted to feet)

3-4 ***To size an infiltration trench, enter the surface area available:*** **Square feet**

3-5 ***Required depth of infiltration trench, given the surface area available (in 3-4):*** **Feet**

(Assumes 35% void space in rectangular trench with vertical sides.)
(Note: Infiltration trench depths are typically between 3 and 8 feet.)

Attachment B

Provided Capture Volume Calculations

Stockton
3428 Brookside Rd.,
Stockton, CA 95219
t: 209.943.2021 f: 209.942.0214

San Jose
111 N. Market St., Ste. 300
San Jose, CA 95113
t: 408.754.2021

Sacramento
900 Howe Ave, #200
Sacramento, CA 95825
t: 916.520.277

Modesto
100 Sycamore Ave, #200
Modesto, CA 95354
t: 209.762.3580

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3428 Brookside Road
Stockton, CA 95219
209.943.2021 Fax: 209.942.0214

Job Number: 19150
Project Name: Cole Administration Center
Workbook Name: Bioretention Volume Calculations
Sheet Name:

Drainage Management Area 1(Self-Treating)

Description	Porosity	Depth(ft)	Area(sf)	Volume Provided(cf)	Volume Required(cf)
Ponding		0.5	0	0	
Planter Media	0.25	1.5	0	0	
Rock	0.35	1	0	0	
				0	

Drainage Management Area 2

Description	Porosity	Depth(ft)	Area(sf)	Volume Provided(cf)	Volume Required(cf)
Ponding		1	834	834	
Planter Media	0.25	1.5	834	313	
Rock	0.35	1	834	292	
				1439	1401

Drainage Management Area 3

Description	Porosity	Depth(ft)	Area(sf)	Volume Provided(cf)	Volume Required(cf)
Ponding		0.5	860	430	
Planter Media	0.25	1.5	860	323	
Rock	0.35	1	860	301	
				1054	1048

Drainage Management Area 4

Description	Porosity	Depth(ft)	Area(sf)	Volume Provided(cf)	Volume Required(cf)
Ponding		1	510	510	
Planter Media	0.25	1.5	510	191	
Rock	0.35	1	510	179	
				880	878

Drainage Management Area 5

Description	Porosity	Depth(ft)	Area(sf)	Volume Provided(cf)	Volume Required(cf)
Ponding		1	1070	1070	
Planter Media	0.25	1.5	1070	401	
Rock	0.35	1	1070	375	
				1846	1833

Total Bioretention Area =	3274
Total Required Capture Volume =	5160
Total Provided Capture Volume=	5218

Notes:

1. Required capture volume per Alameda County C.3 Technical Guidance V4.0 worksheet for Calculation the Water Quality Design Volume.

Attachment C

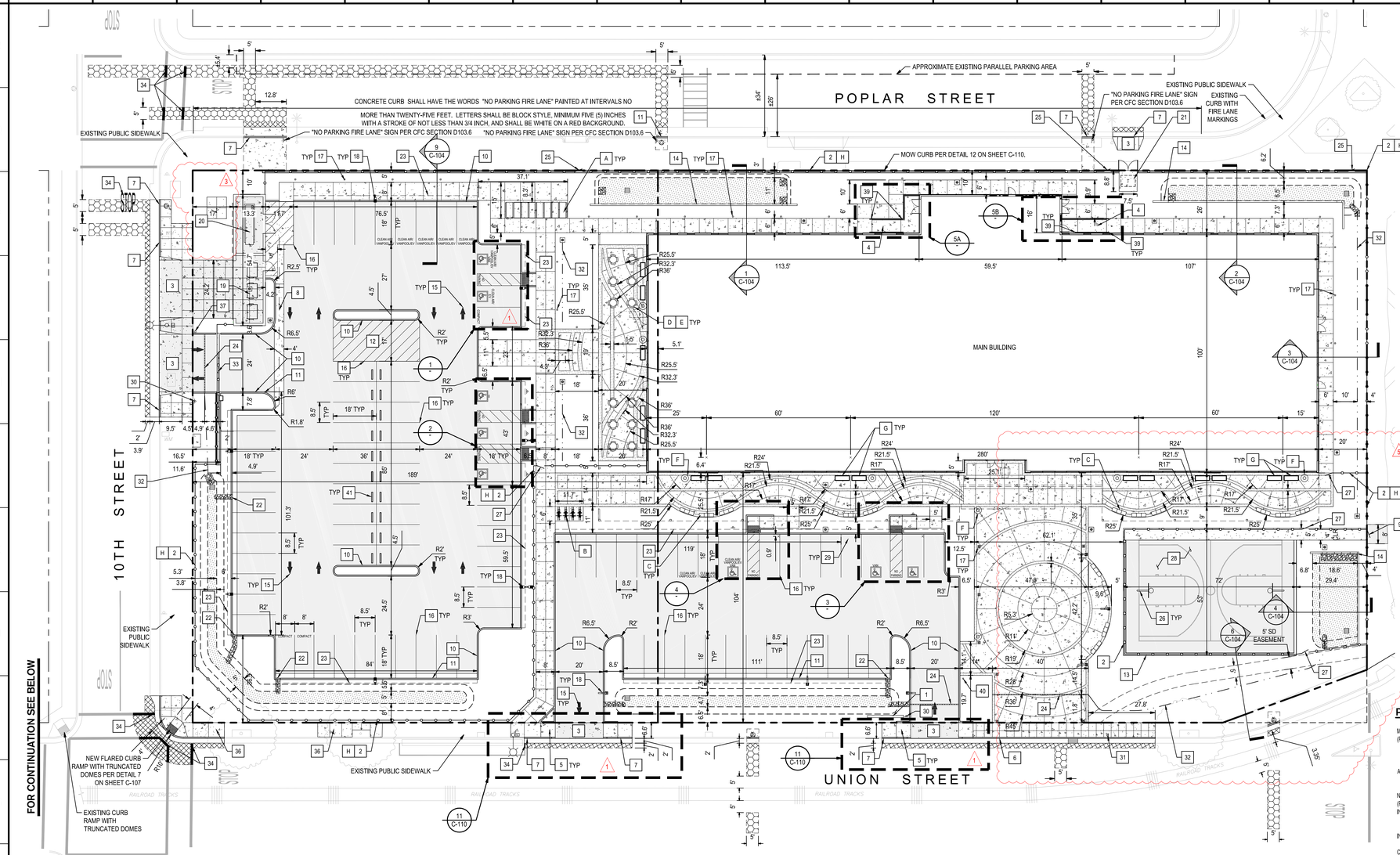
Relevant Improvement Plan Sheets

Stockton
3428 Brookside Rd.,
Stockton, CA 95219
t: 209.943.2021 f: 209.942.0214

San Jose
111 N. Market St., Ste. 300
San Jose, CA 95113
t: 408.754.2021

Sacramento
900 Howe Ave, #200
Sacramento, CA 95825
t: 916.520.277

Modesto
100 Sycamore Ave, #200
Modesto, CA 95354
t: 209.762.3580



LEGEND

PEDESTRIAN CONCRETE
4.0" (3000 PSI) CONCRETE W / #3 @ 18" O.C. EA WAY OVER 4.0" CLASS II AB OVER 8" NATIVE MATERIAL SCARIFIED AND COMPACTED TO 90% RELATIVE COMPACTION AT 2% ABOVE OPTIMUM PER THE PROJECT'S GEOTECHNICAL REPORT. INSTALL CONCRETE JOINTS PER DETAIL 3/C-107. STANDARD GREY COLOR CONCRETE, MEDIUM BROOM FINISH.

DECORATIVE CONCRETE BANDING
4.0" (3000 PSI) CONCRETE W / #3 @ 18" O.C. EA WAY OVER 4.0" CLASS II AB OVER 8" NATIVE MATERIAL SCARIFIED AND COMPACTED TO 90% RELATIVE COMPACTION AT 2% ABOVE OPTIMUM PER THE PROJECT'S GEOTECHNICAL REPORT. INSTALL CONCRETE JOINTS PER DETAIL 3/C-107. COLORED AND STONE TEXTURED STAMPED CONCRETE.

HEAVY DUTY CONCRETE PAVEMENT (TI = 8.0)
8" (4000 PSI) CONCRETE W / #4 @ 18" O.C. OVER 6.0" CLASS II AB OVER 8" NATIVE MATERIAL SCARIFIED AND COMPACTED TO 95% RELATIVE COMPACTION AT 2% ABOVE OPTIMUM PER THE PROJECT'S GEOTECHNICAL REPORT. INSTALL CONCRETE JOINTS PER DETAIL 3/C-107.

ASPHALT PAVEMENT (TI = 6.0) ⚠5
3.5" AC OVER 6.0" CLASS II AB OVER 12" NATIVE MATERIAL SCARIFIED AND COMPACTED TO 95% RELATIVE COMPACTION AT 2% ABOVE OPTIMUM PER THE PROJECT'S GEOTECHNICAL REPORT. SEE DETAIL 8/C-110 FOR BASKETBALL COURT PAVING SECTION.

DEEP LIFT PAVEMENT
MINIMUM 10" AC DEPTH

TRENCH REPAIR
MINIMUM 8" AC DEEP LIFT

CRUSHED ROCK
PER DETAIL 9 ON SHEET C-107

BIORETENTION
PER DETAIL 10 ON SHEET C-107

NOTE:

BUILDING CORNER POINTS ARE APPROXIMATE AND PROVIDED FOR BUILDING PAD PREPARATION ONLY. CONTRACTOR SHALL REFERENCE STRUCTRUAL ENGINEER'S FOUNDATION PLAN FOR ACTUAL BUILDING DIMENSIONS.

GENERAL PAVING AND DIMENSIONING NOTES:

ALL MATERIAL AND CONSTRUCTION PROCEDURES WITHIN THE SCOPE OF THIE PROJECT SHALL CONFORM TO ALL APPLICABLE CITY OF OAKLAND STANDARD SPECIFICATIONS (LATEST EDITION).

1. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY QUESTION THAT MAY ARISE CONCERNING THE INTENT, PLACEMENT, OR LIMITS OF DIMENSIONS NECESSARY FOR CONSTRUCTION OF THIS PROJECT.
2. ALL CURB RADII ARE 2.5', UNLESS OTHERWISE NOTED.
3. ALL COORDINATE POINTS ARE AT FACE OF CURB OR RADIUS POINT. BUILDING CONTROL POINTS ARE AT THE OUTER MOST EDGE OF THE BUILDING ENVELOPE.
4. THE CONTRACTOR SHALL SAWCUT EXISTING PAVEMENT, CURBS, AND SIDEWALKS AT NEW PAVEMENT, CURB AND SIDEWALK JUNCTURES. NO JAGGED OR IRREGULAR CUTS WILL BE ALLOWED OR ACCEPTED.
5. ALL PAINT SHALL BE 4" WIDE WHITE REFLECTIVE PAINT: WHITE ON TOP OF 6" WIDE BLACK STRIPE ON CONCRETE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
6. ALL PAVEMENT MARKINGS SHALL RECEIVE TWO COATS OF PAINT.
7. ALL SIGNS SHALL CONFORM TO MUTCD, LATEST EDITION.
8. ALL CONCRETE SIDEWALK SHALL BE 5' IN WIDTH UNLESS OTHERWISE SPECIFIED.
9. ALL CURBS ARE 6" HIGH UNLESS OTHERWISE NOTED.
10. BUILDINGS ARE SHOWN FOR REFERENCE ONLY, REFER TO ARCHITECTURAL PLANS.

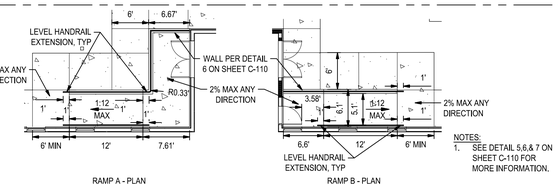
PARKING SUMMARY NOTES:

	REQUIRED	PROVIDED
MIN. NUMBER OF AUTO SPACES (PER OAKLAND MUNICIPAL CODE):	= 1 PER 600 SF GROUND FLOOR + 1 PER 1,000 SF OTHER FLOOR =(25,542/600)+(7,250/1000) = 84 1 OFF-STREET LOADING BERTH	94 TOTAL (84 STAFF + 30 VISITOR) 1 BERTH
ACCESSIBLE SPACES:	3 STAFF (INCLUDING 1 VAN) 2 VISITOR (INCLUDING 1 VAN)	3 STAFF (INCLUDING 1 VAN) 2 VISITOR (INCLUDING 1 VAN)
NUMBER OF EV READY SPACES (PER OAKLAND MUNICIPAL CODE): INSTALLED	7 STAFF SPACES EV READY 7 STAFF SPACES EV CONDUIT INSTALLED 3 VISITOR SPACES EV READY 3 VISITOR SPACES EV CONDUIT INSTALLED	7 STAFF SPACES EV READY 7 STAFF SPACES EV CONDUIT 3 VISITOR SPACES EV READY 3 VISITOR SPACES EV CONDUIT
CLEAN AIR VEHICLE SPACES:	6 STAFF SPACES 3 VISITOR SPACES	7 STAFF SPACES 3 VISITOR SPACES
ACCESSIBLE EV READY SPACES:	2 STAFF (INCLUDING 1 VAN) 1 VISITOR VAN	2 STAFF (INCLUDING 1 VAN)* 1 VISITOR VAN* *ACCESSIBLE CLEAN AIR VEHICLE SPACES PROVIDED ARE IN ADDITION TO MIN. REQUIRED STANDARD (NON CLEAN AIR/EVSE READY) ACCESSIBLE SPACES

MIN. NUMBER OF BIKE SPACES: = 1 LONG TERM PER 20 EMPLOYEES
= 300/20 = 15 LONG TERM 16 LONG TERM
= 1 SHORT TERM PER 20,000 SF (60,828/20,000) = 4 SHORT TERM 8 SHORT TERM

KEY NOTES

1	BUILDING ADDRESS SIGN, SEE ARCHITECTURAL PLANS
2	NEW 6' HIGH ORNAMENTAL IRON SECURITY FENCING SEE DETAIL 1 ON SHEET C-108
3	NEW DRIVEWAY PER CITY OF OAKLAND STD. DWG. S-2
4	ACCESSIBLE RAMP WITH HANDRAILS, SEE DETAIL 5 ON SHEET C-110.
5	CURB RAMP PER DETAIL 11 ON SHEET C-110
6	TYPE A CONCRETE CURB, GUTTER, & SIDEWALK PER C.O.O. TD. DWG. S1. MODIFY CURB HEIGHT TO MATCH EXISTING PER SHEET C-104.
7	TYPE A CONCRETE CURB, GUTTER, & SIDEWALK PER C.O.O. STD. DWG. S1. MODIFY GUTTER TO MATCH EXISTING WHERE OCCURS.
8	4' VALLEY GUTTER PER DETAIL 11 ON SHEET C-107
9	3' WIDE ACCESS GATE ⚠5
10	INSTALL 6" VERTICAL CURB PER DETAIL 1 ON SHEET C-107
11	INSTALL 6" VERTICAL CURB AND GUTTER PER DETAIL 2 ON SHEET C-107
12	COMMERCIAL DELIVERY PARKING ZONE
13	12" MOW CURB PER DETAIL 9 ON SHEET C-110
14	RETAINING WALL PER DETAIL 8 ON SHEET C-104
15	INSTALL WHITE ARROW MARKING PER DETAIL 2 ON SHEET C-108
16	4" WIDE WHITE STRIPE
17	PROPOSED BOLLARD, SHOWN FOR REFERENCE ONLY SEE ARCHITECTURAL AND ELECTRICAL PLANS
18	PROPOSED SITE LIGHT, SHOWN FOR REFERENCE ONLY SEE ELECTRICAL PLANS. LIGHT POLE FOOTING PER DETAIL 4 ON SHEET C-110.
19	TRASH ENCLOSURE, SEE ARCHITECTURAL PLANS
20	PROPOSED GENERATOR ENCLOSURE SHOWN FOR REFERENCE ONLY, SEE ARCHITECTURAL AND ELECTRICAL PLANS
21	PROPOSED TRANSFORMER LOCATION, SEE ELECTRICAL PLANS
22	CURB CUT PER DETAIL 9 ON SHEET C-107
23	PARKING OVERHANG
24	INSTALL TRENCH DRAIN PER DETAIL 12 ON SHEET C-107
25	INSTALL 3' WIDE FIRE ACCESS MAN GATE W/ KNOX BOX
26	SEE DETAIL 10B ON SHEET C-110 BASKETBALL HOOP ASSEMBLY SYSTEM ⚠5
27	INSTALL 3' WIDE SECURITY ACCESS GATE W/ KNOX BOX, SEE ARCHITECTURAL PLAN SHEET A-101
28	SEE DETAIL 10A ON SHEET C-110 FOR BASKETBALL COURT LAYOUT. ⚠5
29	INSTALL CONCRETE TIRE CURB STOP PER DETAIL 4 ON SHEET C-107
30	INSTALL TOW AWAY SIGN PER DETAIL 8 ON SHEET C-107
31	PROPOSED RE-LOCATION OF EXISTING NO PARKING SIGN, LOWEST EDGE OF SIGN SHALL BE MIN. OF 80" FROM EXISTING GRADE.
32	VEGETATED SWALE PER DETAIL 3 ON SHEET C-108
33	NEW 6' HIGH ORNAMENTAL SECURITY FENCE AUTOMATIC ROLLING GATE SEE DETAIL 1 AND 9 ON SHEET C-108
34	REPLACE DAMAGED STRIPING TO MATCH EXISTING PRIOR TO REMOVAL. 2 COATS OF PAINT.
35	DIRECT BORE WATER LINE UNDER EXISTING RAILROAD
36	SIDEWALK ONLY PER C.O.O. STD. DWG. S1.
37	ACCESS KEYPAD LOCATION, VERIFY LOCATION WITH OWNER
38	INTENTIONALLY LEFT BLANK ⚠5
39	1" LEVEL HANDRAIL EXTENSION AFTER GRADE BREAK AT BOTH TOP AND BOTTOM LANDINGS OF RAMP, TYP.
40	FLAG POLE, SEE ARCHITECTURAL/STRUCTURAL PLANS
41	WHEEL STOP, SEE DETAIL 4 ON SHEET C-107



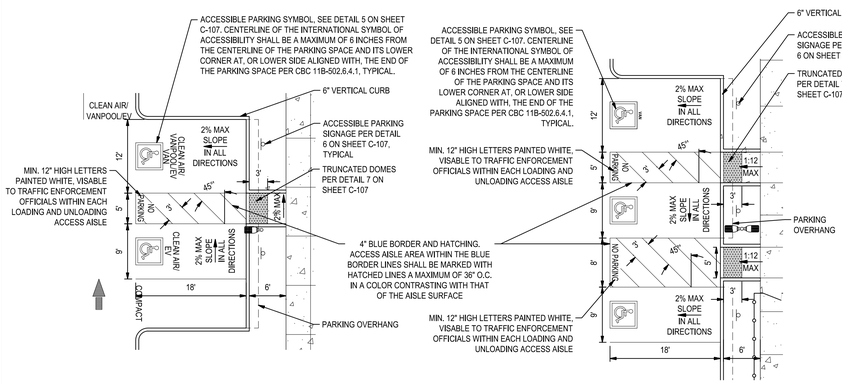
RAMP A - PLAN RAMP B - PLAN

NOTES:
1. SEE DETAIL 5.6.& 7 ON SHEET C-110 FOR MORE INFORMATION.

5 RAMP ENLARGEMENT
1"=10'

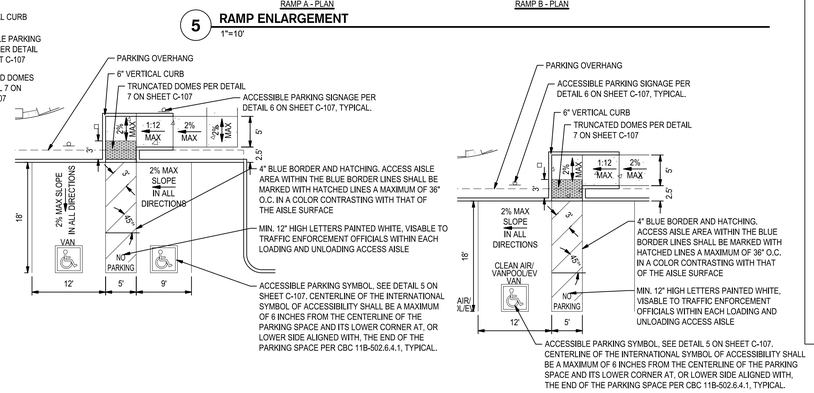
SITE FURNISHINGS & AMENITIES SCHEDULE

REFERENCE	SYMBOL	DESCRIPTION	MANUFACTURER	MODEL NUMBER	COLOR / FINISH
A		**BIKE LOCKERS** SINGLE TIER, 2 DOOR, SWING HANDLE DOOR LOCK.	CYCLESAFE	PP-SM-M16	TELEGREY 4, RAL 7047
B		**BIKE RACK** SQUARE TUBE U RACK, SURFACE MOUNTED.	THE PARK CATALOG	509-2040	POWDER-COATED, IRON GRAY #7011
C		**BENCH** STRAIGHT 3-UNIT, BACKLESS, INTERMEDIATE ARMS ONLY, SURFACE MOUNTED.	LANDSCAPEFORMS	PLEXUS-II	POWDER-COATED STORMCLOUD
D		**TABLE** 36" ROUND (29 1/4" HIGH TO TABLE TOP), PERFORATED, NO CENTER HOLE, CATENA BASE, MOVABLE	LANDSCAPEFORMS	CATENA TABLE	POWDER-COATED STORMCLOUD
E		**CHAIR** (4 PER TABLE) MOVABLE (17" HIGH TO SEAT)	LANDSCAPEFORMS	CATENA CHAIR	POWDER-COATED STORMCLOUD
F		**LITTER RECEPTACLES** TOP OPENING, FREE STANDING, SURFACE MOUNTED.	LANDSCAPEFORMS	PLEXUS	POWDER-COATED STORMCLOUD
G		**PLANTER POTS** (SRC) STANDARD STEEL REINFORCED CONCRETE. 36"Hx24"Dx72"L	QCP	QS-CAL247236P	STRATA SRC-FRENCH GRAY
H		**FENCE** 6' HIGH ORNAMENTAL TUBE STEEL SECURITY FENCE	AMERISTAR	MONTAGE II GENESIS STYLE	POWDER-COATED, FOR COLOR SEE ARCHITECTURAL FINISH SCHEDULE ON SHEET A-601



1 ACCESSIBILITY PARKING ENLARGEMENT
1"=10'

2 ACCESSIBILITY PARKING ENLARGEMENT
1"=10'



3 ACCESSIBILITY PARKING ENLARGEMENT
1"=10'

4 ACCESSIBILITY PARKING ENLARGEMENT
1"=10'

0' 10' 20' 40'
SCALE: 1"=20'

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NO.	DATE	ISSUE DESCRIPTION
1	03/09/2021	DSA BACK CHECK #2
2	11/10/2021	RFI 004 ELECTRICAL TRENCH
3	12/14/2021	RFI 016 WATER RELOCATION
5	12/21/2021	DSA REVISION #1

S H A H KAWASAKI ARCHITECTS
570 10th Street, Suite 201
Oakland, CA 94607

CENTRAL ADMINISTRATIVE CENTER AT COLE CAMPUS

1011 UNION STREET,
OAKLAND, CA 94607

REGISTERED PROFESSIONAL ENGINEER PAUL J. SCHNEIDER No. 62498 Exp. 09/30/23 CIVIL STATE OF CALIFORNIA

DATE SIGNED: 12/21/21

Drawing Title: **SITE AND PAVING PLAN**

Drawing No.: **C-103**

SKA Project Number: 19718
SEI Project Number: 19150
OUSD Project Number: 19119

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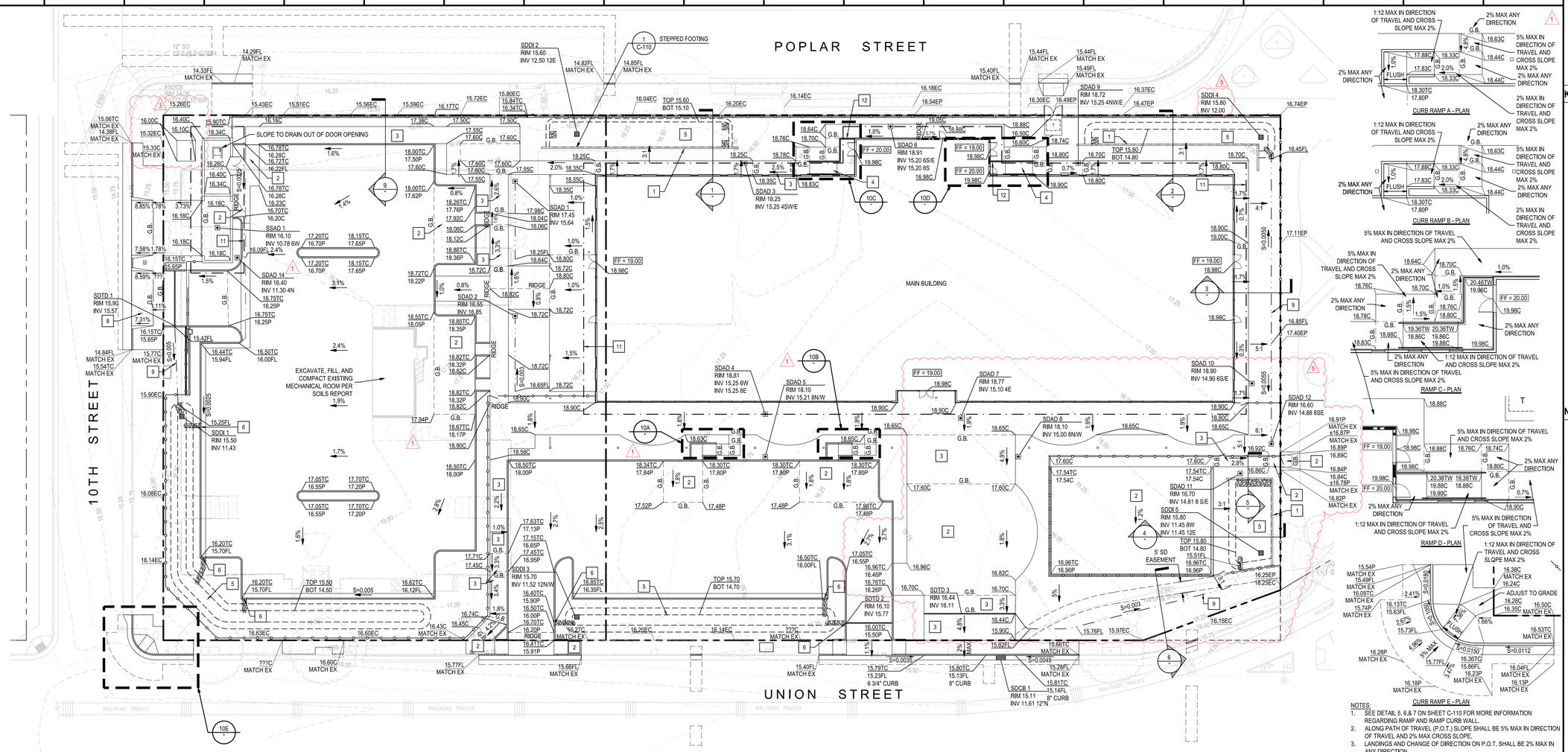

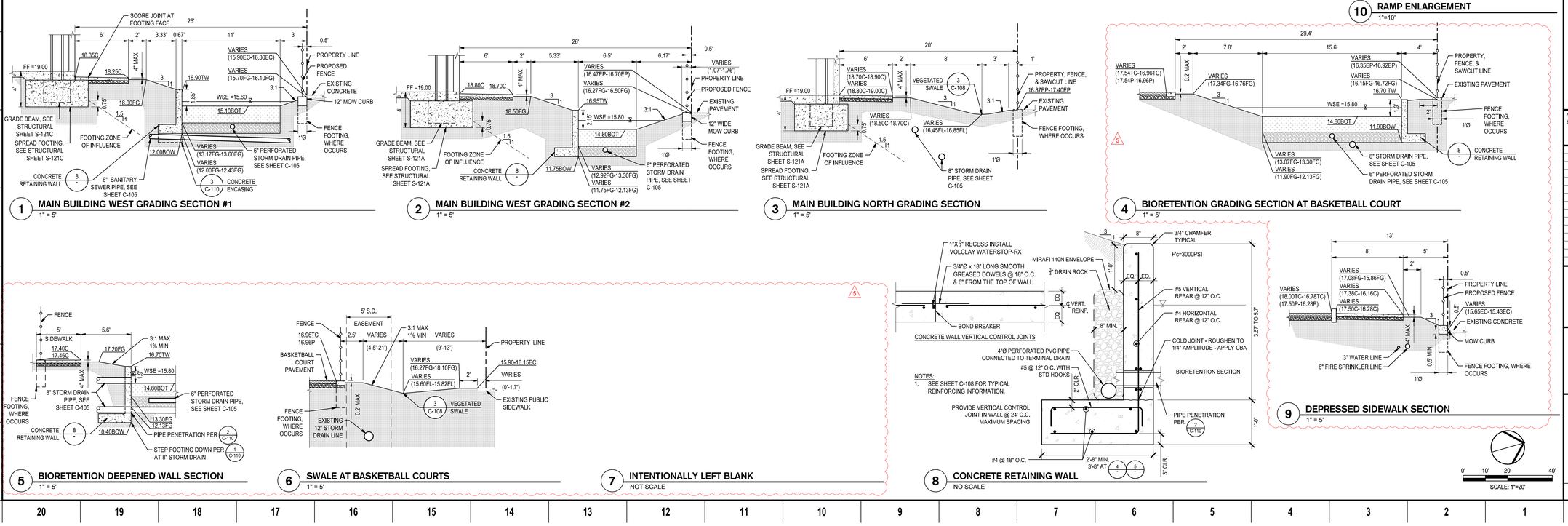

KEY NOTES

1	RETAINING WALL SEE DETAIL 8 THIS SHEET
2	2% MAXIMUM IN ANY DIRECTION
3	5% MAXIMUM IN DIRECTION OF TRAVEL
4	1:12 ACCESSIBLE RAMP WITH HANDRAILS PER DETAIL 5 ON SHEET C-110
5	BIORETENTION BASIN PER DETAIL 10 ON SHEET C-107
6	CURB CUT PER DETAIL 9 ON SHEET C-107
7	ADJUST TO GRADE
8	ADJUST TO GRADE EXISTING UTILITY VAULT LID BY CHIPPING AND RESETTING FRAME TO MATCH DRIVEWAY SLOPE, COORDINATE WITH UTILITY PROVIDER
9	VEGETATED SWALE PER DETAIL 3 ON SHEET C-108
10	INTENTIONALLY LEFT BLANK
11	APPROXIMATE OVER EXCAVATION LINE
12	EXTEND RAMP CURB FOR RAISED CONCRETE AREA PER DETAIL 6 ON SHEET C-110. HAND/GUARD RAIL REINFORCING PER DETAIL 7 ON C-110.

NOTES

1. 0.02" DIFFERENCE BETWEEN INTERIOR FF AND EXTERIOR CONCRETE AT DOOR LANDINGS, TYPICAL AT ALL DOORS, SEE ARCHITECTURAL PLAN SHEET A-016 FOR MORE INFORMATION.
2. SITE GRADING AND SITE PREPARATION SHALL BE IN ACCORDANCE WITH SECTION 6.3 OF THE GEOTECHNICAL REPORT.
   2.A. SECTION 6.3.3 BUILDING PAD GRADING APPLY THE MAIN BUILDING, MPR, AND TRASH/GENERATOR ENCLOSURE. SEE GEOTECH REPORT FOR MORE INFORMATION. THE OVER EXCAVATION OUTLINE IS SHOWN FOR REFERENCE ONLY, REFER TO GEOTECHNICAL REPORT FOR MORE INFORMATION.
3. FOOTINGS IN DETAILS ARE SHOWN FOR REFERENCE ONLY, REFER TO STRUCTURAL PLANS. THE LARGEST FOOTING SIZES ARE DISPLAYED TO CAPTURE THE WORST CASE.
4. SEE DETAILS 6, 7, & 8 ON SHEET C-108 FOR TYPICAL BENDS, HOOKS, AND LAP SPLICE LENGTHS.

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CENTRAL ADMINISTRATIVE CENTER AT COLE CAMPUS

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REGISTERED PROFESSIONAL ENGINEER
PAUL V. SCHREIER
No. 62495
Exp. 09/30/23
CIVIL
STATE OF CALIFORNIA

DATE SIGNED: 12/21/21

Drawing Title: **GRADING PLAN**

Drawing No.: **C-104**

SKA Project Number: 19718
SEI Project Number: 19150

OUSD Project Number: 19119

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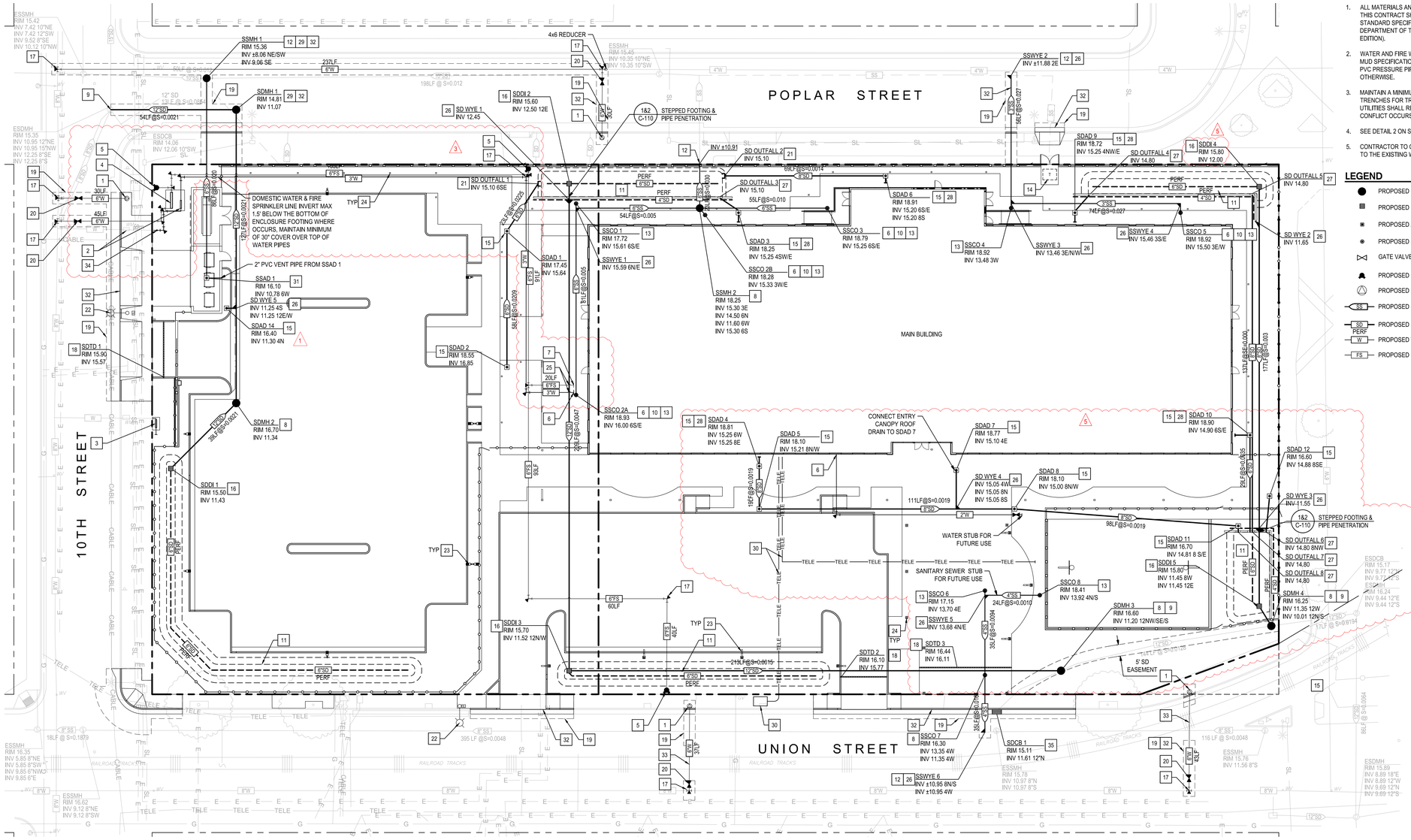


UTILITY CONSTRUCTION NOTES:

1. ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THE SCOPE OF THIS CONTRACT SHALL CONFORM TO ALL APPLICABLE CITY OF OAKLAND STANDARD SPECIFICATIONS (LATEST EDITION) AND THE CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS (LATEST EDITION).
2. WATER AND FIRE WATER SHALL CONFORM TO ALL APPLICABLE EAST BAY MUD SPECIFICATIONS (LATEST EDITION). FIRE WATER SHALL BE DR-14 C900 PVC PRESSURE PIPE OR APPROVED EQUAL, UNLESS SPECIFIED OTHERWISE.
3. MAINTAIN A MINIMUM OF 18" FROM FACE OF FOOTINGS TO EDGE OF TRENCHES FOR TRENCHING ADJACENT TO BUILDING PER CBC 1809A.14. UTILITIES SHALL REMAIN OUT OF THE FOOTING ZONE OF INFLUENCE, IF CONFLICT OCCURS NOTIFY ENGINEER OF RECORD IMMEDIATELY.
4. SEE DETAIL 2 ON SHEET C-110 FOR OPENINGS IN RETAINING WALLS.
5. CONTRACTOR TO COORDINATE WITH EBMUD FOR MAKING CONNECTIONS TO THE EXISTING WATER MAINS.

LEGEND

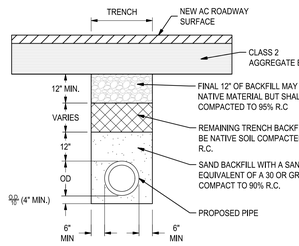
- PROPOSED MANHOLE
- PROPOSED DRAIN INLET
- PROPOSED AREA DRAIN
- PROPOSED SANITARY SEWER CLEANOUT
- GATE VALVE
- PROPOSED FIRE DEPARTMENT CONNECTION
- PROPOSED FIRE HYDRANT
- SS — PROPOSED SANITARY SEWER LINE
- SD PERF — PROPOSED PERFORATED STORM DRAIN LINE
- W — PROPOSED WATER LINE
- FS — PROPOSED FIRE SERVICE LINE

KEY NOTES

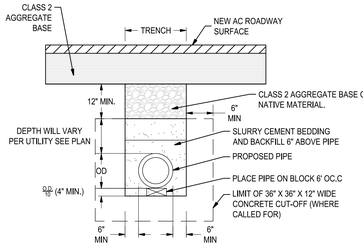
1. INSTALL FIRE HYDRANT PER DETAIL 4 ON SHEET C-109
2. UTILIZE EXISTING 4" WATER METER FOR DOMESTIC WATER POINT OF CONNECTION. INSTALL 3" BACKFLOW PREVENTION DEVICE PER DETAIL 2 ON SHEET C-109. UTILIZE EXISTING 2" WATER METER FOR IRRIGATION POINT OF CONNECTION. INSTALL 1 1/2" BACKFLOW PREVENTION DEVICE PER DETAIL 2 ON SHEET C-109. SEE LANDSCAPE PLANS.
3. INSTALL 6" DOUBLE DETECTOR CHECK VALVE ASSEMBLY PER DETAIL 1 ON SHEET C-109
4. INSTALL FIRE DEPARTMENT CONNECTION PER DETAIL 6 ON SHEET C-109
5. SEE PLUMBING PLANS FOR CONTINUATION
6. SEE FIRE SPRINKLER PLANS FOR CONTINUATION
7. INSTALL MANHOLE PER DETAIL 9 ON SHEET C-109
8. CONNECT TO EXISTING STORM DRAIN LINE. CONTRACTOR TO VERIFY LOCATION AND INVERT PRIOR TO CONSTRUCTION
9. SANITARY SEWER BUILDING POINT OF CONNECTION, SEE PLUMBING PLANS FOR CONTINUATION
10. BIORETENTION AREA PER DETAIL 10 ON SHEET C-107
11. CONNECT TO EXISTING SANITARY SEWER LINE, CONTRACTOR TO VERIFY LOCATION, SIZE, AND INVERT PRIOR TO CONSTRUCITON
12. INSTALL SANITARY SEWER CLEANOUT PER DETAIL 7 ON SHEET C-109
13. PROPOSED TRANSFORMER PAD LOCATION, SEE ARCHITECTURAL PLANS AND ELECTRICAL PLANS
14. INSTALL AREA DRAIN PER DETAIL 13 ON SHEET C-107
15. INSTALL DRAIN INLET PER DETAIL 8 ON SHEET C-109
16. INSTALL THRUST BLOCK PER DETAIL 5 ON SHEET C-109
17. INSTALL TRENCH DRAIN PER DETAIL 12 ON SHEET C-107
18. SAWCUT LINE
19. INSTALL GATE VALVE AND VALVE BOX PER DETAIL 3 ON SHEET C-109
20. INSTALL OUTFALL PER DETAIL 11 ON SHEET C-109
21. PROPOSED LOCATION FOR RELOCATED STREET LIGHT AND BOX, COORDINATE FINAL LOCATION WITH C.O.O.
22. PROPOSED SITE LIGHT, SHOWN FOR REFERENCE ONLY SEE ELECTRICAL PLANS
23. PROPOSED LIGHT BOLLARD, SHOWN FOR REFERENCE ONLY SEE ELECTRICAL PLANS
24. WATER CROSSING PER DETAIL 10 ON SHEET C-109
25. INSTALL WYE CONNECTION
26. OUTFALL THROUGH WALL OPENING, SEE SHEET C-104 FOR OPENING
27. STORM DRAIN BUILDING POINT OF CONNECTION, SEE PLUMBING PLANS FOR CONTINUATION
28. INSTALL TYPE I MANHOLE PER C.O.O. STD DWG D-11
29. TELECOMMUNICATION LINE AND BOX SHOWN FOR REFERENCE ONLY. REFER TO ELECTRICAL PLANS
30. SANITARY SEWER AREA DRAIN PER DETAIL 14 ON SHEET C-107
31. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY REQUIRES AN ENCROACHMENT PERMIT, CONTRACTOR SHALL OBTAIN SAID PERMIT PRIOR TO WORKING WITHIN THE RIGHT-OF-WAY.
32. DIRECT BORE WATER LINE UNDER THE RAILROAD. CONTRACTOR TO COORDINATE WITH UPRR.
33. INSTALL 4 X 3 REDUCER
34. INSTALL NEW TYPE B INLET PER CITY OF OAKLAND STD DWG D-4 AND RECONNECT TO EXISTING PIPE
35.

PIPE TABLE

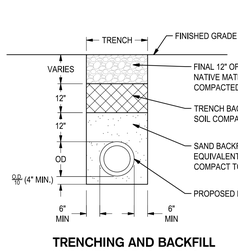
TYPE OF PIPE	PIPE DIAMETER	TYPE & CLASS	BEDDING AND BACKFILL	MINIMUM DEPTH OF BURY	PULL WIRE OR TRACER WIRE	END MARKERS
STORM DRAIN	4"-12"	WATER TIGHT GASKETED SDR-35 PVC ASTM 3034 OR HDPE	PER DETAILS THIS SHEET	SEE DETAIL 4 THIS SHEET	ALL PIPES SHALL HAVE WARNING TAPE INSTALLED DIRECTLY ABOVE THE PIPES. ALL NON-METALIC PIPES SHALL ALSO HAVE TRACER WIRE INSTALLED.	1/2" x 3' STEEL SECTION OF REBAR SHALL BE DRIVEN IN THE GROUND AT ALL BURIED CAPPED ENDS
FIRE	6"-12"	PVC CL-200 DR-14 WITH TRACER WIRE AWWA C-900				
DOMESTIC WATER	1.5"-3"	SCHEDULE 40 PVC, 1" DOMESTIC WATER SHALL BE COPPER PVC CL-150 DR-18 WITH TRACER WIRE AWWA C-900				



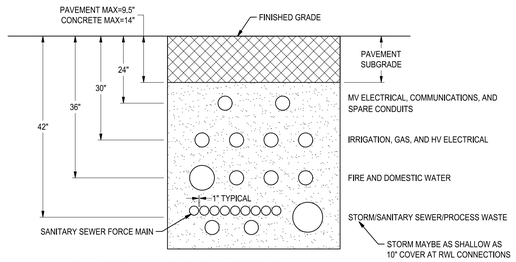
1 TRENCHING AND BACKFILL PAVED AREAS
SCALE: NTS



2 SLURRY CEMENT TRENCH BACKFILL DETAIL
SCALE: NTS



3 TRENCHING AND BACKFILL UNPAVED AREAS AREAS
SCALE: NTS



4 APPROXIMATE BURIAL DEPTHS
SCALE: NTS

0' 10' 20' 40'
SCALE: 1"=20'

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REGISTERED PROFESSIONAL ENGINEER PAUL V. SCHNEIDER No. 62495 Exp. 09/30/23 CIVIL STATE OF CALIFORNIA

DATE SIGNED: 12/21/21

Drawing Title: **UTILITY PLAN**

Drawing No.: **C-105**

SKA Project Number: 19718
SEI Project Number: 19150

OUSD Project Number: 19119

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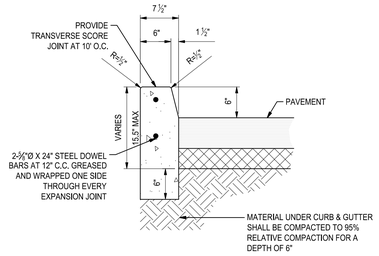
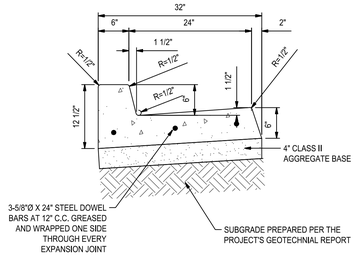
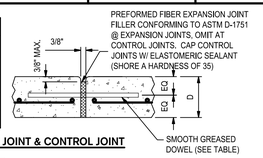


1 6" CONCRETE CURB
NO SCALE



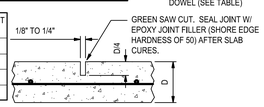
2 6" VERTICAL CURB AND GUTTER
NO SCALE

DOWEL SIZE & SPACING			
SLAB DEPTH	DIAMETER	LENGTH	SPACING
4"	5/8"	12"	24" O.C.
6"	3/4"	18"	18" O.C.
8"	1"	24"	18" O.C.
10"	1"	24"	12" O.C.



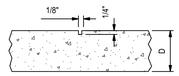
EXPANSION JOINT & CONTROL JOINT

SLAB THICKNESS	W.P.J SPACING (EACH WAY)	CONTROL JOINT SPACING
4"	8' O.C. MAX.	32' O.C. MAX.
6"	12' O.C. MAX.	36' O.C. MAX.
8"	16' O.C. MAX.	40' O.C. MAX.
10"	N/A	40' O.C. MAX.



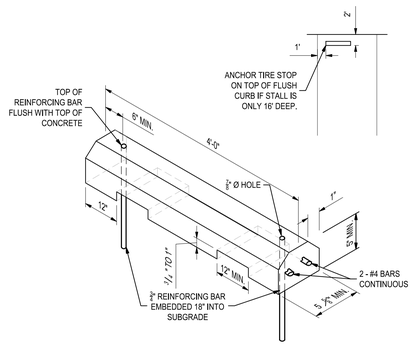
WEAKENED PLANE JOINT

NOTE:
SCORE JOINT SPACING SHALL BE PLACED 5'-0" O.C. UNLESS OTHERWISE NOTED ON PLANS

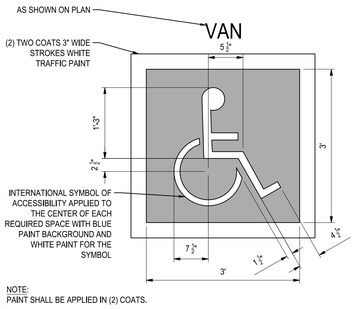


SCORE LINE

3 TYPICAL CONCRETE JOINT DETAILS
NO SCALE

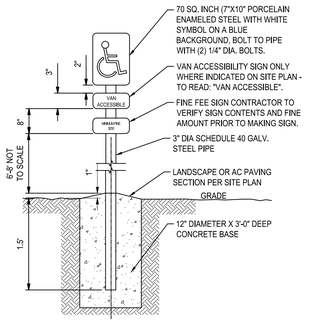


4 4' WHEEL STOP
NOT TO SCALE

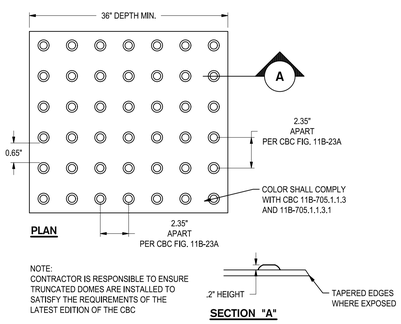


NOTE:
PAINT SHALL BE APPLIED IN (2) COATS.

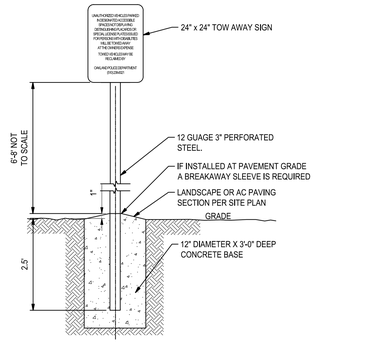
5 ACCESSIBLE STALL INDICATOR
NO SCALE



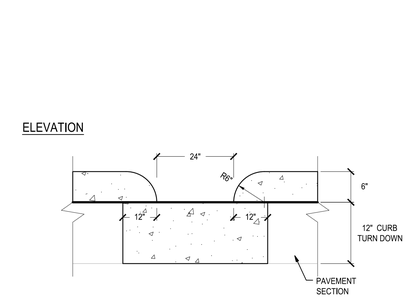
6 ACCESSIBLE PARKING SIGN
NO SCALE

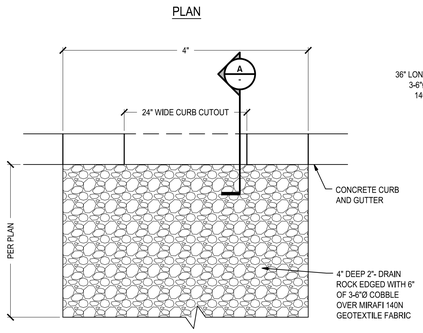


7 TRUNCATED DOMES
NO SCALE

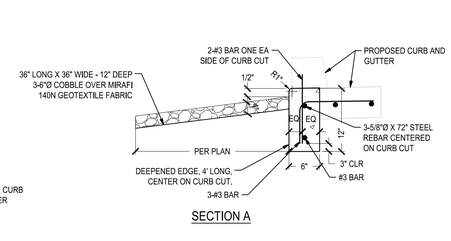


8 TOW AWAY SIGN
NO SCALE



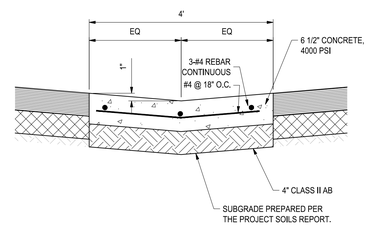


9 CONCRETE CURB OPENING
NO SCALE



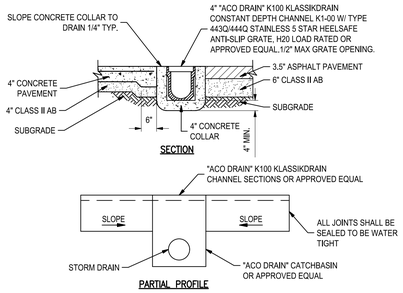
SECTION A

10 BIORETENTION AREA
NO SCALE

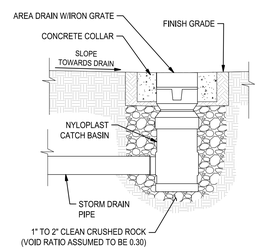


NOTES:
1. CONSTRUCT EXPANSION JOINTS @ 150' C.C. MAXIMUM SPACING.
2. PROVIDE CONTROL JOINTS @ 40' O.C. MAXIMUM SPACING.

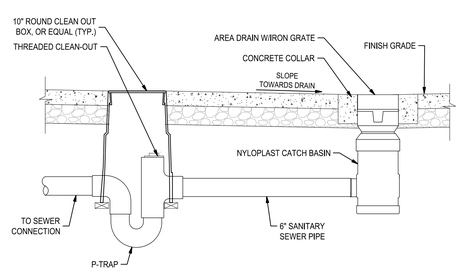
11 CONCRETE VALLEY GUTTER
NO SCALE



12 4" TRENCH DRAIN
NO SCALE



13 AREA DRAIN
NO SCALE



14 SS DRAIN WITH P-TRAP IN A BOX
NO SCALE

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NOTE: If this drawing is not 30"x42" it has been revised from its original size and the scales noted on drawing/details are no longer applicable.

NO.	DATE	ISSUE DESCRIPTION
1	03/09/2021	DSA BACK CHECK #2
2	11/10/2021	RFI 004 ELECTRICAL TRENCH
3	12/14/2021	RFI 016 WATER RELOCATION
5	12/21/2021	DSA REVISION #1

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REGISTERED PROFESSIONAL ENGINEER PAUL V. SCHNEIDER No. 62498 Exp. 09/30/23 CIVIL STATE OF CALIFORNIA

DATE SIGNED: 12/21/21

Drawing Title
CONSTRUCTION DETAILS I

Drawing No.
C-107

SKA Project Number: 19718
SEI Project Number: 19150

OUSD Project Number: 19119

4/6/2021 4:33 PM F:\19projects\19150 OUSD Cole Administration Center\Plans and Graphics\Improvement Plans\19150-C-107-CONSTRUCTION DETAILS.dwg