STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

AMENDMENT #1

DATE:	August 6, 2020
PROJECT NAME:	Samueli Academy Phase II (now including Phase III)
REASON FOR AMENDMENT:	Additional Construction
WDID NO.:	8 30C386371
PROJECT AREA:	2.01 acres
ORIGINATOR:	Fuscoe Engineering, Inc.
ATTACHMENTS:	Revised SWPPP Exhibits (Appendix B) SWPPP Amendment Log (Appendix E)

DESCRIPTION OF UPDATE:

Amend the following sections:

1.1 Introduction
2.1.1 Project Description
2.1.4 Proposed Drainage Conditions
2.1.7 Site Plan
3.2 SWPPP Exhibits
7.6.3 Sampling Locations
Appendices B & E

CERTIFICATION

QUALIFIED SWPPP DEVELOPER (QSD) CERTIFICATION

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those person(s) directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is, true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility for fine and imprisonment for knowing violations."

PREPARED BY: Fuscoe Engineering, Inc.

Signature

8/7/2020
Date

April McMillian, CPSWQ, QSD
Senior Environmental Scientist

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16795 Von Karman, Suite 100
Irvine, CA 92618
949.474.1960
amcmillian@fuscoe.com

OWNER / LEGALLY RESPONSIBLE PERSON (LRP) CERTIFICATION

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature

8/10/2020
Date

John Luker
Chief Operating and Financial Officer

Orangewood Foundation
1575 17th St
Santa Ana, CA 92705
714.619.0202
JLuker@orangewoodfoundation.org

AMENDMENT

for

SAMUELI ACADEMY PHASE II
A.P.N.: 399-031-23 & 24

The following revisions are hereby incorporated into the Storm Water Pollution Prevention Plan (SWPPP) for Samueli Academy Phase II dated March 8, 2019.

1. SWPPP REQUIREMENTS

1.1. INTRODUCTION

This SWPPP Amendment has been prepared to include the next phase in construction which comprises the soccer field and gymnasium (also referred to as Phase III). As a result of this addition, the total area of disturbed soil will increase from 1.83 acres to 3.84 acres. A Change of Information (COI) will be filed for this construction.

1.2. SWPPP OBJECTIVES

No change.

1.3. PERMIT REGISTRATION DOCUMENTS

No change.

1.4. SWPPP AVAILABILITY AND IMPLEMENTATION

No change.

1.5. SWPPP AMENDMENTS

A copy of the updated SWPPP Amendment Log is attached.

1.6. RETENTION OF RECORDS

No change.

1.7. REQUIRED NON-COMPLIANCE REPORTING

No change.

1.8. ANNUAL REPORT

No change.

1.9. CHANGES TO PERMIT COVERAGE

No change.

1.10. NOTICE OF TERMINATION

No change.

1.11. REFERENCES

No change.

2. PROJECT INFORMATION

2.1. PROJECT AND SITE DESCRIPTION

2.1.1. Project Description

The proposed Samueli Academy Phase III construction project is 2.01-acres which will be in addition to the ongoing 1.83-acre construction on an existing Charter High School campus. It is located at 1901 North Fairview Street in the City of Santa Ana, CA. The project is bounded by North Fairview Street to the west residential neighborhoods to the south and east, and the St. Edna Sub-Acute and Rehabilitation Center to the north.

The Phase III construction area consists of an existing grass field, basketball courts, and portable classrooms to be demolished. Currently, a portion of the project site is under construction of Building A, B, and E. A section of the lot that is now under construction included a bioretention BMP that served the campus. Development of the lot will require the removal of the bioretention BMP and replacing it with an underground infiltration gallery that would serve to treat post-construction runoff from the majority of the property excluding the eastern portion of the soccer field.

The construction project includes a gymnasium and soccer field. The northeastern portion of the campus will be the location of the gymnasium. The soccer field will be south of the gymnasium on the eastern side of the campus.

2.1.2. Site Description

No change.

2.1.3. Existing Drainage Conditions

No change.

2.1.4. Proposed Drainage Conditions

Runoff from the Phase III gymnasium and western portion of the soccer field will flow towards the center of the campus where area drains will capture and divert low flows to an underground infiltration gallery. Runoff from the eastern portion of the soccer field will flow to pervious pavers in parking stalls adjacent to the interior streets. Low flows will pass through a pre-treatment structure (hydrodynamic separator) before entering the infiltration gallery. High flows will be diverted to the west side of the property where they will be pumped to the curb along Fairview Street. Flows will follow existing drainage patterns to the Santa Ana River channel southeast of the project.

2.1.5. Nature of Fill Material & Existing Data Describing the Soil

No change.

2.1.6. Environmentally Sensitive Site Conditions

No change.

2.1.7. Site Plan

2.01 acres will be developed and/or disturbed on the Samueli Academy Phase III project site. Under the existing condition, the Samueli Phase III project site is primarily impervious with basketball courts, portable classrooms, and a grass field. Under the proposed condition, the project area will include a decrease in hardscape (infrastructure improvements) and increase in softscape (landscaping, soccer field) thereby altering the runoff conditions.

2.2. STORM WATER RUN-ON FROM OFF-SITE AREAS

No change.

2.3. FINDINGS OF THE CONSTRUCTION SITE SEDIMENT & RECEIVING WATER RISK DETERMINATION

2.3.1. Site Sediment Risk

No change. The project's Sediment Risk remains "Medium."

2.3.2. Receiving Water Risk

No change. The project's Receiving Water Risk remains "Low."

2.3.3. Risk Determination

No change. The project's Risk Determination remains Risk Level 2.

2.4. CONSTRUCTION SCHEDULE

Grading for Phase III begins August 10, 2020 and there is no change to the overall construction schedule in which grading for Phase II began March 1, 2019. It is estimated that the project will be completed July 13, 2021.

2.5. POTENTIAL CONSTRUCTION SITE POLLUTANT SOURCES

No change.

2.6. IDENTIFICATION OF NON-STORM WATER DISCHARGES

No change.

3. BEST MANAGEMENT PRACTICES (BMPS)

3.1. SCHEDULE FOR BMP IMPLEMENTATION

No change.

3.2. SWPPP EXHIBITS

SWPPP Exhibits for the applicable phases of construction are included in Appendix B. The maps show existing topography, identify grading areas and proposed slopes, and the location of erosion and sediment control measures, such as perimeter controls, gravel bag berms and storm drain inlet protection measures (where applicable).

3.3. EROSION CONTROL AND SEDIMENT CONTROL

3.3.1. Erosion Control BMPs

No change. Refer to Section 3.3.1 of the original SWPPP and any associated Amendments for descriptions of erosion control BMPs to be implemented on the project site.

3.3.2. Sediment Control BMPs

No change. Refer to Section 3.3.2 of the original SWPPP and any associated Amendments for descriptions of sediment control BMPs to be implemented on the project site.

3.3.3. Tracking Control BMPs

No change. Refer to Section 3.3.3 of the original SWPPP and any associated Amendments for descriptions of tracking control BMPs to be implemented on the project site.

3.3.4. Wind Erosion Control BMPs

No change. Refer to Section 3.3.4 of the original SWPPP and any associated Amendments for descriptions of wind erosion control BMPs to be implemented on the project site.

3.4. NON-STORM WATER AND MATERIAL MANAGEMENT

3.4.1. Non-Storm Water Management BMPs

No change. Refer to Section 3.4.1 of the original SWPPP and any associated Amendments for descriptions of non-storm water management BMPs to be implemented on the project site.

3.4.2. Material and Waste Management BMPs

No change. Refer to Section 3.4.2 of the original SWPPP and any associated Amendments for the descriptions of non-storm water management BMPs to be implemented on the project site.

3.5. POST-CONSTRUCTION STORM WATER MANAGEMENT MEASURES

No change.

4. BMP INSPECTION, MAINTENANCE, AND RAIN EVENT ACTION PLANS (REAPS)

4.1. BMP INSPECTION AND MAINTENANCE

No change.

4.2. RAIN EVENT ACTION PLANS

No change.

5. TRAINING

5.1. OVERVIEW

No change.

5.2. TRAINING REQUIREMENTS

5.2.1. Qualified SWPPP Developer (QSD)

No change.

5.2.2. Qualified SWPPP Practitioner (QSP)

No change.

5.2.3. Employee & Subcontractor Training

No change.

6. RESPONSIBLE PARTIES AND OPERATORS

6.1. RESPONSIBLE PARTIES

No change.

6.2. CONTRACTOR LIST

No change.

7. CONSTRUCTION SITE MONITORING PROGRAM (CSMP)

7.1. PURPOSE

No change.

7.2. APPLICABILITY OF PERMIT REQUIREMENTS

No change.

7.3. NUMERIC ACTION LEVELS, EFFLUENT LIMITATIONS, AND DISCHARGE PROHIBITIONS

No change.

7.4. SAFETY

No change.

7.5. VISUAL MONITORING (INSPECTIONS)

No change

7.6. WATER QUALITY SAMPLING AND ANALYSIS

7.6.1. Potential Pollutant Sources

No change.

7.6.2. Monitoring Constituents by Risk Level

No change.

7.6.3. Sampling Locations

An updated Sampling Locations Exhibit has been included in Appendix B for Phase III construction, denoting anticipated sampling locations for the project site, as well as an upstream location to be used for background sample or where uncontaminated samples are needed. Sampling locations for storm water are located at the discharge points that ensure adequate representation of the flow and characteristics of the site's discharges. Additional locations have also been identified to characterize for non-storm water runoff discharges and/or spills, where necessary. These sample locations are dependent upon the suspected source location and may vary depending on the location of the spill and/or BMP failure. Sampling locations shall be verified in the field and be representative of current site conditions, disturbed areas and construction phasing.

7.6.4. Sample Collection and Handling

No change.

7.6.5. Analytical Methods and Reporting Limits

No change.

7.6.6. Exemptions

No change.

7.6.7. Bioassessment

No change.

7.7. WATERSHED MONITORING OPTION

No change.

7.8. QUALITY ASSURANCE AND QUALITY CONTROL (QA/QC)

No change.

7.9. REPORTING REQUIREMENTS AND RECORDS RETENTION

No change.

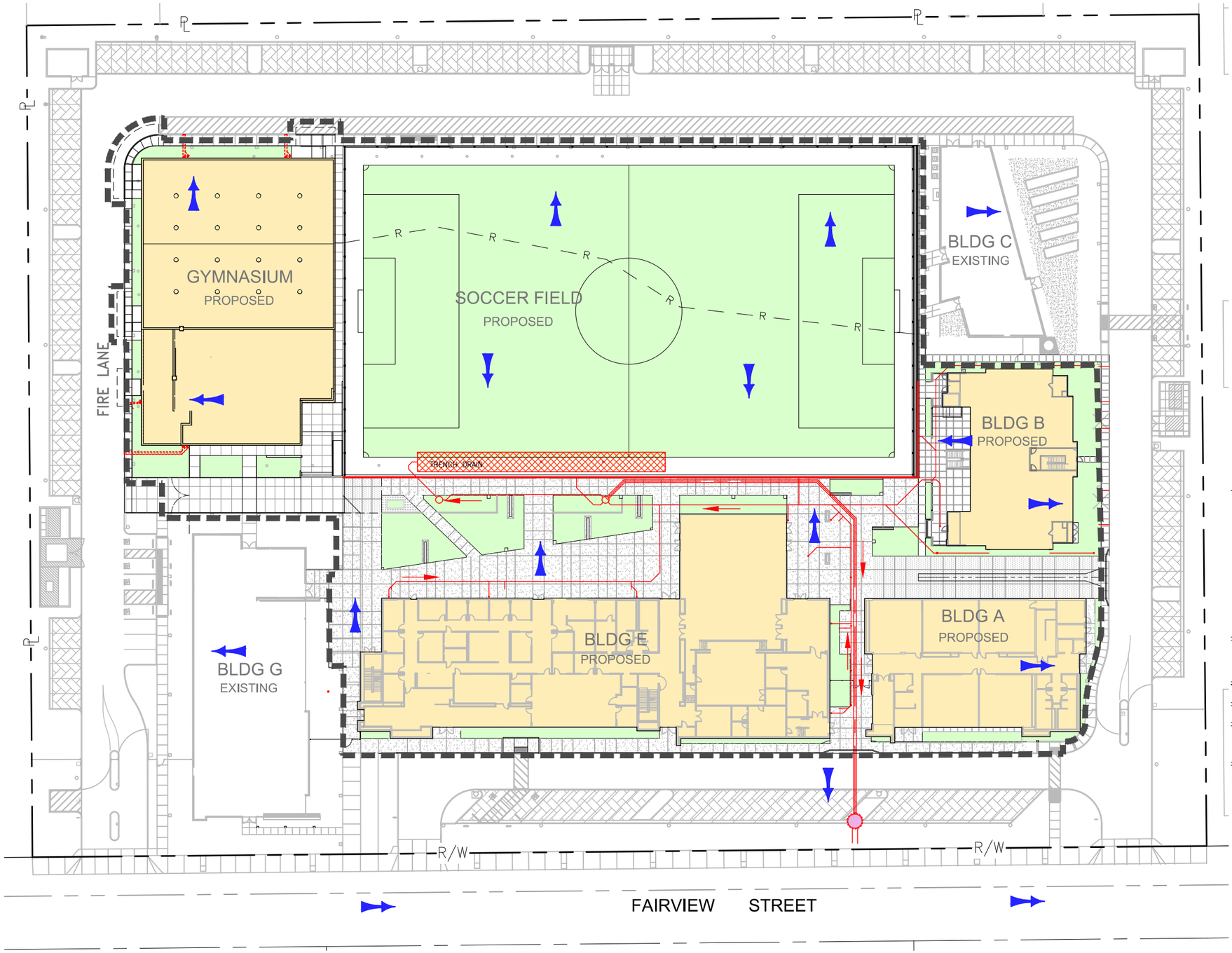
7.10. ACTIVE TREATMENT SYSTEMS (ATS) REQUIREMENTS

No change.

8. APPENDICES

Appendix B Updated SWPPP Exhibits
Appendix E SWPPP Amendment Log

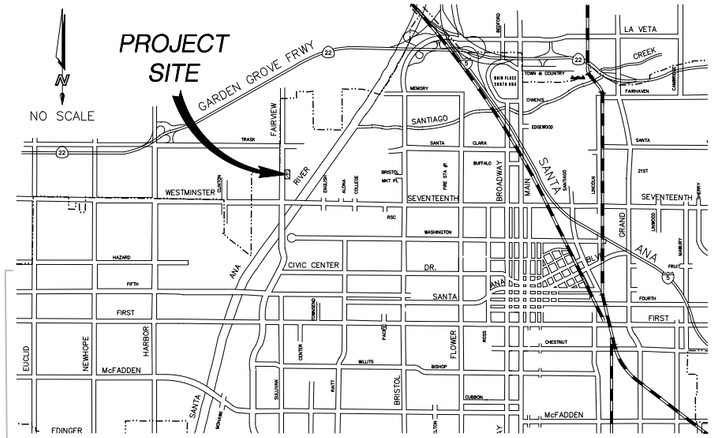
APPENDIX B
EXHIBITS



LEGEND

- PROPERTY LINE
- LIMIT OF DISTURBED AREA
- EXISTING STORM DRAIN
- EXISTING PARKWAY CULVERT
- PROPOSED STORM DRAIN
- PROPOSED AREA DRAIN
- PROPOSED PARKWAY CULVERT
- PROPOSED UNDERGROUND INFILTRATION GALLERY
- PROPOSED SD PUMP
- PROPOSED BUILDING
- PROPOSED LANDSCAPING
- EXISTING PERVIOUS PAVEMENT
- DIRECTION OF FLOW
- DIRECTION OF STORM DRAIN FLOW

VICINITY MAP



60’ 0’ 30’ 60’

SCALE: 1” = 60’

SWPPP EXHIBIT
SITE PLAN
SAMUELI ACADEMY
GYM & SOCCER FIELD
SANTA ANA, CA

Exhibit Date: 7/31/2020

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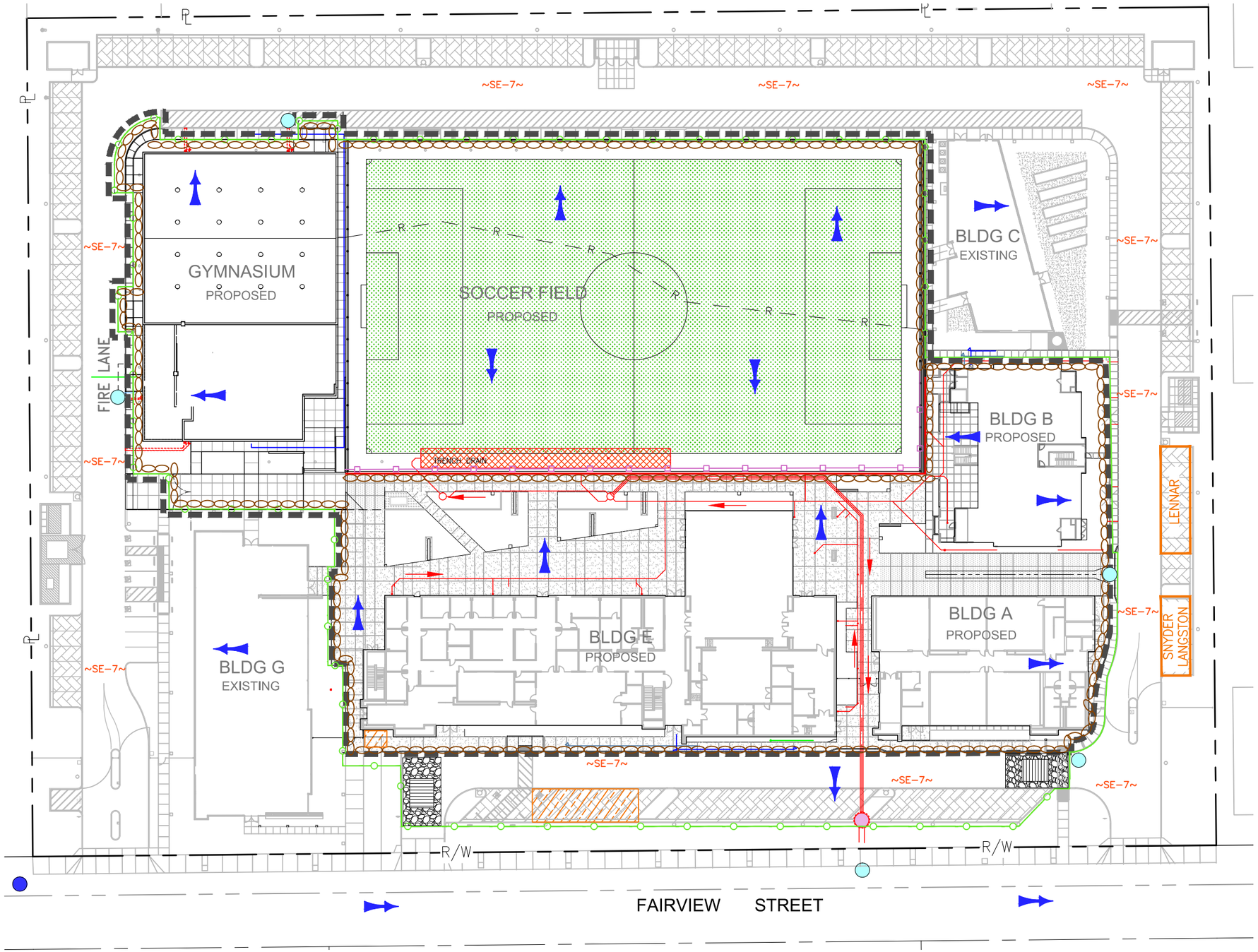

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- PROPOSED SD PUMP
- PROPOSED UTILITIES - VARIOUS
  SEE ALSO DEWATERING BMP NOTES BELOW
- EXISTING PERVIOUS PAVEMENT
- DIRECTION OF FLOW
- DIRECTION OF STORM DRAIN FLOW
- STABILIZED CONSTRUCTION ENTRANCE / EXIT (TC-1)
  WITH SHAKER PLATE (INGRESS / EGRESS)
- ~SE-7~ STREET SWEEPING (SE-7)
- CONSTRUCTION SITE FENCING
- SILT FENCE (SE-1)
- GRAVEL BAG BERM (SE-6)
- STORM DRAIN INLET PROTECTION (SE-10)
- HYDRAULIC MULCH (EC-3) OR EQUIVALENT
  SEE SOIL STABILIZATION NOTES BELOW
- CONSTRUCTION TRAILER (NOT TO SCALE)
- STAGING & STORAGE AREA (NOT TO SCALE)
  - MATERIAL DELIVERY & STORAGE (WM-1, EC-7)
  - STOCKPILE MANAGEMENT (WM-3, EC-7)
  - EQUIPMENT STAGING (NS-8, NS-9, NS-10)
  - CONCRETE WASTE MGMT (WM-8)
  - SOLID, HAZARDOUS, LIQUID WASTE MGMT
    (WM-4, WM-5, WM-6, WM-9, WM-10)
- ON-SITE SAMPLING LOCATION
  SAMPLE AT MANHOLE IN STORM DRAIN LINE
  DIPPER OR SAMPLING POLE MAY BE REQUIRED
- BACKGROUND SAMPLING LOCATION
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Notice to Contractor/QSP:

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Stabilized construction entrance, material delivery and storage area, waste collecting area, and equipment area shall be designated by site supervisor or QSP and included on the SWPPP / Erosion Control Plan. As site conditions change, the SWPPP / Erosion Control Plan shall be updated to reflect current conditions. Revisions shall be initialed and dated.

Soil Stabilization BMPs:

Any inactive pads, excavated areas or other disturbed areas that will remain inactive for longer than 10 days shall be stabilized with hydroseed, hydraulic mulch, plastic sheeting (i.e. visqueen anchored with gravel/sandbags) or equivalent erosion control BMP. Temporary soil stabilization measures shall be maintained until permanent stabilization can be established.

Sampling Locations:

The contractor/supervisor or Qualified SWPPP Practitioner (QSP) shall verify sampling locations at all discharge points in the field. Sampling locations shall be representative of current site conditions, disturbed areas and construction phasing. Any updates to the sampling locations (e.g., as a result of construction phasing) shall be noted on this map and/or SWPPP Exhibits.

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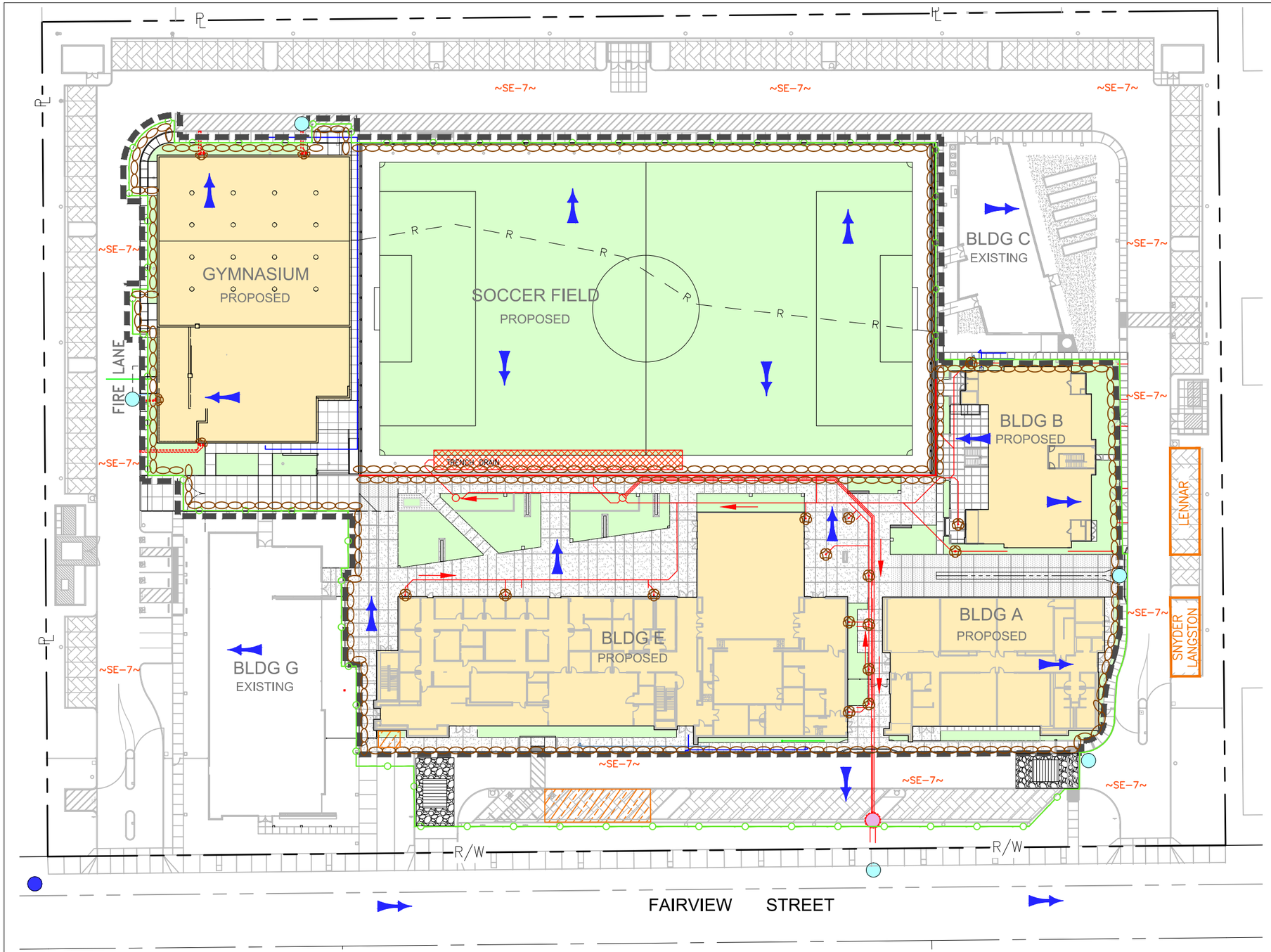
SWPPP & CSMP EXHIBIT
GRADING & UTILITY PHASES
SAMUELI ACADEMY
GYM & SOCCER FIELD
SANTA ANA, CA



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Stabilized construction entrance, material delivery and storage area, waste collecting area, and equipment area shall be designated by site supervisor or QSP and included on the SWPPP / Erosion Control Plan. As site conditions change, the SWPPP / Erosion Control Plan shall be updated to reflect current conditions. Revisions shall be initialed and dated.

Dewatering Operations BMP:

Dewatering will occur to remove excess water within any utility or other excavation sites that has been ponded for greater than 72 hours. Discharges must only consist of clean storm water. Any ponded water (greater than 72 hours) may be pumped from the excavation area to a baffle tank system, or weir tank, to remove trash, settleable solids, as well as some metals, and oil and grease, if necessary, prior to discharging off-site. Periodic cleaning is required based on inspections or reduced flow, and oil & grease removal must be done by a licensed waste disposal company.

Sampling Locations:

The contractor/supervisor or Qualified SWPPP Practitioner (QSP) shall verify sampling locations at all discharge points in the field. Sampling locations shall be representative of current site conditions, disturbed areas and construction phasing. Any updates to the sampling locations (e.g., as a result of construction phasing) shall be noted on this map and/or SWPPP Exhibits.

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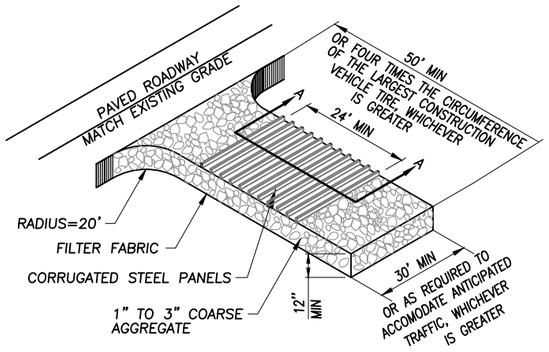
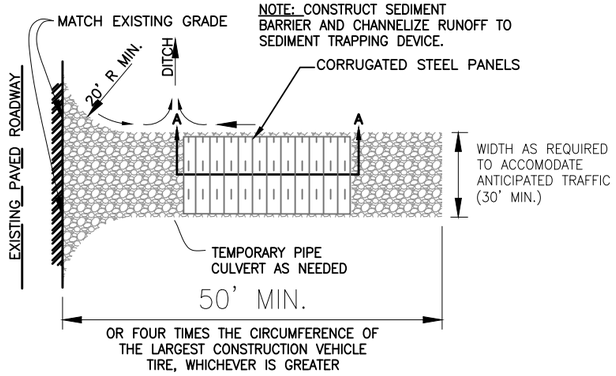
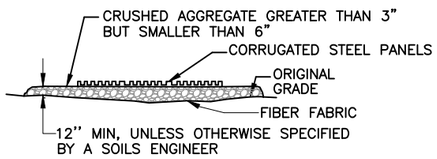
SWPPP & CSMP EXHIBIT
VERTICAL CONSTRUCTION & FINAL STABILIZATION PHASES
SAMUELI ACADEMY
GYM & SOCCER FIELD
SANTA ANA, CA

Exhibit Date: 7/31/2020



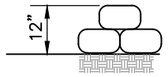




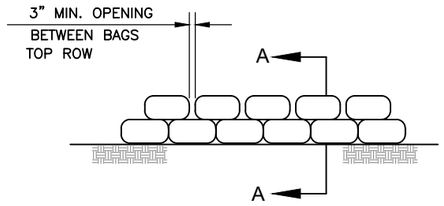
SECTION A-A
NTS

STABILIZED CONSTRUCTION ENTRANCE/ EXIT DETAIL (TC-1)

NOT TO SCALE

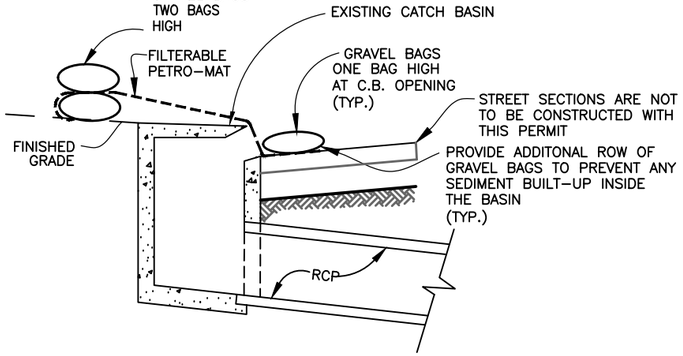


SECTION A-A



GRAVEL BAG BERM DETAILS (SE-6)

NOT TO SCALE



TYPICAL CURB INLET PROTECTION

NOT TO SCALE

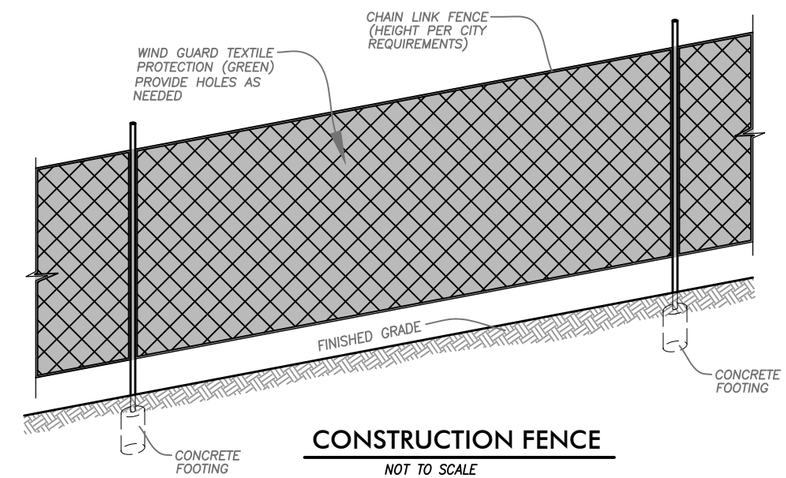
CATEGORIES OF HYDRAULIC MULCHES	APPLICATION RATE	CLASS	MAXIMUM SLOPE (V:H)	DURATION OF NEED	% SOIL BINDER
STANDARD HYDRAULIC MULCH (SM)	GENERALLY APPLIED AT A RATE OF 2,000 LBS/ACRE *(FOLLOW MANUFACTURER RECOMMENDATIONS)*	BIODEGRADEABLE	1:2	3 TO 12 MONTHS	0-5%
HYDRAULIC MATRICES (HM) AND STABILIZED FIBER MATRICES (SFM)	TYPICALLY BETWEEN 2,500 AND 4,000 LBS/ACRE *(FOLLOW MANUFACTURER RECOMMENDATIONS)*	BIODEGRADEABLE	1:2	LESS THAN 3 MONTHS	5-10%
BONDED FIBER MATRIX (BFM)	APPLIED AT RATES FROM 3,000 TO 4,000 LBS/ACRE *(FOLLOW MANUFACTURER RECOMMENDATIONS)*	BIODEGRADEABLE	1:2	3 TO 12 MONTHS	–
MECHANICALLY-BONDED FIBER MATRICIES (MBFM)	TYPICALLY APPLIED AT A RATE HIGHER THAN A STANDARD BFM *(FOLLOW MANUFACTURER RECOMMENDATIONS)*	BIODEGRADEABLE	1:2	GREATER THAN TWO MONTHS	–
HYDRAULIC COMPOST MATRIX (HCM)	*(FOLLOW MANUFACTURER RECOMMENDATIONS)*	–	–	–	–

COST DEPENDS ON THE TYPE OF SLOPE, TYPE OF SOIL, COMPOSITION OF SEED AND MULCH MIXES, AND WHETHER OR NOT PAM IS USED.

HYDRAULIC SEED SHOULD BE APPLIED WITH HYDRAULIC MULCH OR A STAND-ALONE HYDROSEED APPLICATION SHOULD BE FOLLOWED BY ONE OF THE FOLLOWING:
- STRAW MULCH (EC-6)
- ROLLED EROSION CONTROL PRODUCTS (EC-7)
- APPLICATION OF COMPOST BLANKET (EC-14)

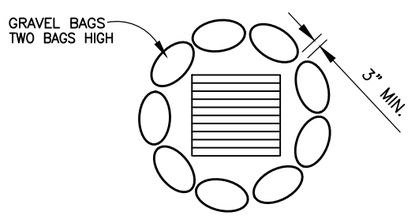
HYDRAULIC MULCH (EC-3)

NOT TO SCALE



CONSTRUCTION FENCE

NOT TO SCALE



TYPICAL GRATE INLET PROTECTION

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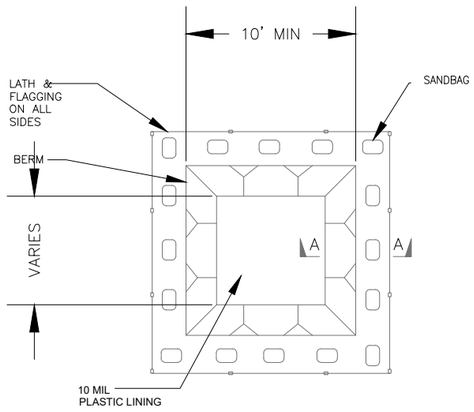
Exhibit Date: 7/31/2020

SWPPP & CSMP EXHIBIT
BMP DETAILS (SHEET 1 OF 2)
SAMUELI ACADEMY
GYM & SOCCER FIELD
SANTA ANA, CA



PLAN
NOT TO SCALE
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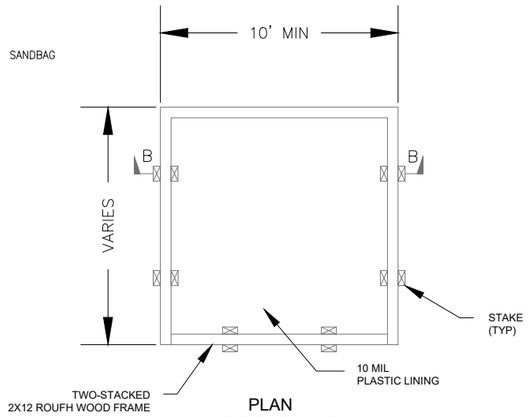

PLAN
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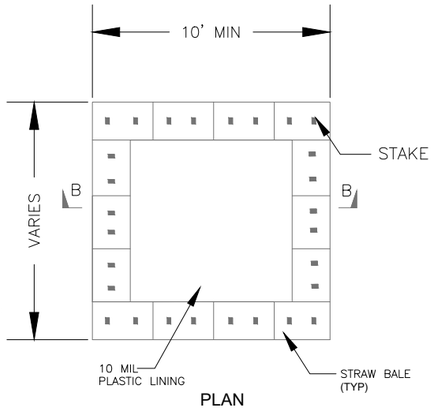
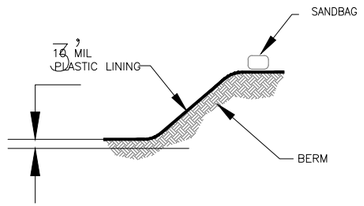
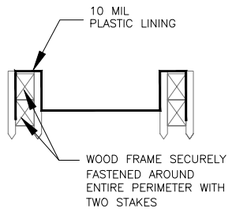
TYPE "ABOVE GRADE"



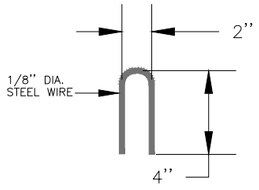
PLAN
NOT TO SCALE
TYPE "ABOVE GRADE"
WITH STRAW BALES



SECTION A-A
NOT TO SCALE



SECTION B-B
NOT TO SCALE

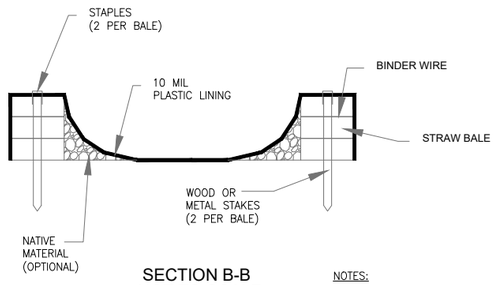


STAPLE DETAIL

NOTES

1. ACTUAL LAYOUT DETERMINED IN FIELD.

2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY



SECTION B-B
NOT TO SCALE

NOTES:

1. ACTUAL LAYOUT DETERMINED IN FIELD.

2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

LIMITATIONS:

- PERFORM CONCRETE WASH ACTIVITIES IN DESIGNATED WASHOUT AREAS ONLY.
- OFFSITE WASHOUT OF CONCRETE WASTES MAY NOT ALWAYS BE POSSIBLE.
- MULTIPLE WASHOUTS MAY BE NEEDED TO ASSURE ADEQUATE CAPACITY AND TO ALLOW FOR EVAPORATION.

CONCRETE WASTES:

- DISPOSE OF OR RECYCLE HARDENED CONCRETE WASTE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE OR LOCAL REGULATIONS.

ONSITE TEMPORARY CONCRETE WASHOUT FACILITY:

- SHOULD BE LOCATED AT MINIMUM OF 50 FT FROM STORM DRAIN INLETS, OPEN DRAINAGE FACILITIES, AND WATERCOURSES.
- SHOULD BE LOCATED AWAY FROM CONSTRUCTION TRAFFIC OR ACCESS AREAS TO PREVENT DISTURBANCE OR TRACKING.
- FACILITIES SHALL BE SIZED TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.
- TEMPORARY FACILITIES MUST BE LINED TO PREVENT DISCHARGE TO THE UNDERLYING GROUND OR SURROUNDING AREA.
- A SIGN SHOULD BE INSTALLED ADJACENT TO EACH WASHOUT FACILITY TO INFORM CONCRETE EQUIPMENT OPERATORS TO UTILIZE THE PROPER FACILITIES.
- ONCE CONCRETE WASTES ARE ALLOWED TO HARDEN, THE CONCRETE SHOULD BE BROKEN UP, REMOVED, AND DISPOSED OF PER WM-5, SOLID WASTE MANAGEMENT. DISPOSE OF OR RECYCLE HARDENED CONCRETE OF A REGULAR BASIS.

TEMPORARY CONCRETE WASHOUT FACILITY (TYPE ABOVE GRADE)

- MINIMUM LENGTH AND WIDTH OF 10FT IS RECOMMENDED.
- PLASTIC LINING SHOULD BE A MINIMUM OF 10 MIL IN POLYETHYLENE SHEETING AND SHOULD BE FREE OF HOLES, TEARS, OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL.
- ALTERNATIVELY, PORTABLE REMOVABLE CONTAINERS CAN BE USED AS ABOVE GRADE CONCRETE WASHOUTS. THEY SHOULD BE REMOVED FROM THE SITE AND REPLACED WHEN THE CONTAINER REACHES 75% CAPACITY.

TEMPORARY CONCRETE WASHOUT FACILITY (TYPE BELOW GRADE)

- MINIMUM LENGTH AND WIDTH OF 10FT IS RECOMMENDED.
- PLASTIC LINING SHOULD BE A MINIMUM OF 10 MIL IN POLYETHYLENE SHEETING AND SHOULD BE FREE OF HOLES, TEARS, OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL.
- LATH AND FLAGGING SHOULD BE COMMERCIAL TYPE.
- THE BASE OF WASHOUT FACILITY SHOULD BE FREE OF ROCK OR DEBRIS THAT MAY DAMAGE THE PLASTIC LINER.

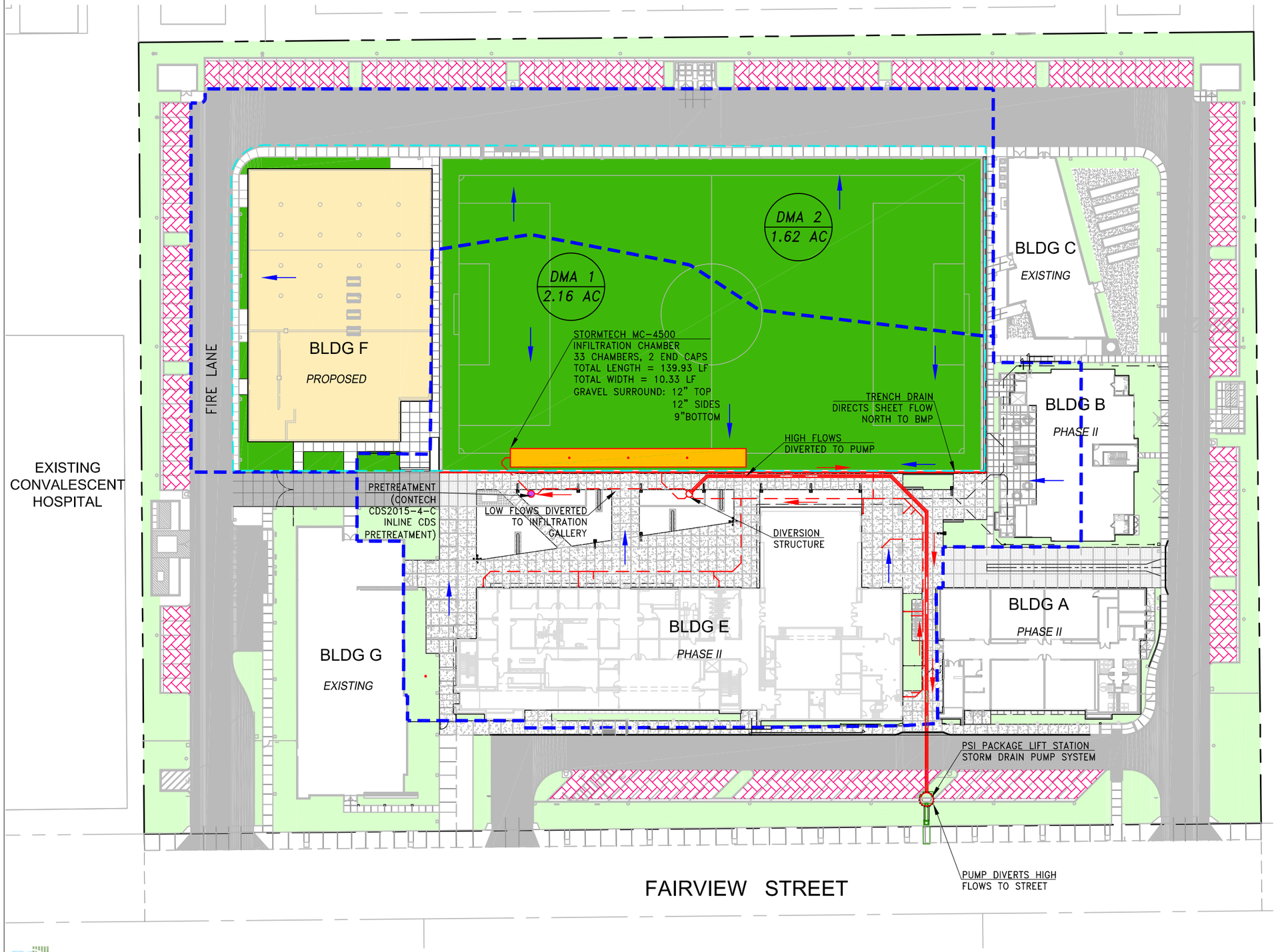
CONCRETE WASHOUT FACILITIES (WM-8)

REFER TO CASQA BMP HANDBOOK FOR COMPLETE DESCRIPTION

FUSCOE ENGINEERING
16795 Von Karman, Suite 100
Irvine, California 92606
tel 949.474.1960 • fax 949.474.5315
www.fuscoe.com

Exhibit Date: 7/31/2020

SWPPP & CSMP EXHIBIT
BMP DETAILS (SHEET 2 OF 2)
SAMUELI ACADEMY
GYM & SOCCER FIELD
SANTA ANA, CA



LEGEND

- PROPERTY LINE
- EXISTING STORM DRAIN
- PROPOSED STORM DRAIN
- BMP DRAINAGE AREA BOUNDARY
- PHASE III LIMIT OF WORK
- EXISTING PERMEABLE PAVERS
- STREET SWEEPING PRIVATE STREETS & PARKING LOTS
- EXISTING COMMON AREA LANDSCAPING
- PROPOSED COMMON AREA LANDSCAPING
- PROPOSED BUILDING
- PROPOSED UNDERGROUND INFILTRATION GALLERY
- PROPOSED PRETREATMENT BMP (CDS OR SIMILAR)
- DIRECTION OF SURFACE FLOW
- DIRECTION OF PIPED FLOW
- DMA 1 / 0.66AC — DRAINAGE AREA ID & ACREAGE

60' 0' 30' 60'

SCALE: 1" = 60'

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Irvine, California 92606
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www.fuscoe.com

N

Scale: 1" = 60'

Exhibit Date: 08/07/2020

WATER QUALITY MANAGEMENT PLAN AMENDMENT
SAMUELI ACADEMY (PHASE III)
SANTA ANA, CA

APPENDIX E
SWPPP AMENDMENT LOG & AMENDMENTS

SWPPP AMENDMENTS

This SWPPP shall be amended:

- Whenever there is a change in construction or operations which may affect the discharge of pollutants to surface waters, groundwater(s), or a municipal separate storm system, (MS4); or
- If any conditions of the Permits is violated or the general objective of reducing or eliminating pollutants in storm water discharges has not been achieved. If the RWQCB determines that a permit violation has occurred, the SWPPP shall be amended and implemented within 14 calendar days after notification by the RWQCB;
- Annually, prior to the defined rainy season, when required by the project's Special Provisions; and
- When deemed necessary by the Engineer of Record, Qualified SWPPP Practitioner (QSP), or the Qualified SWPPP Developer (QSD).

The following item will be included in each amendment:

- Who requested the amendment
- The location of the proposed change
- The reason for the change
- The original BMP proposed, if any
- The new BMP proposed

Amendment No.	Date	Description	Preparer
1	8/6/2020	Additional Construction	April McMillian

Amendment No.	Date	Description	Preparer