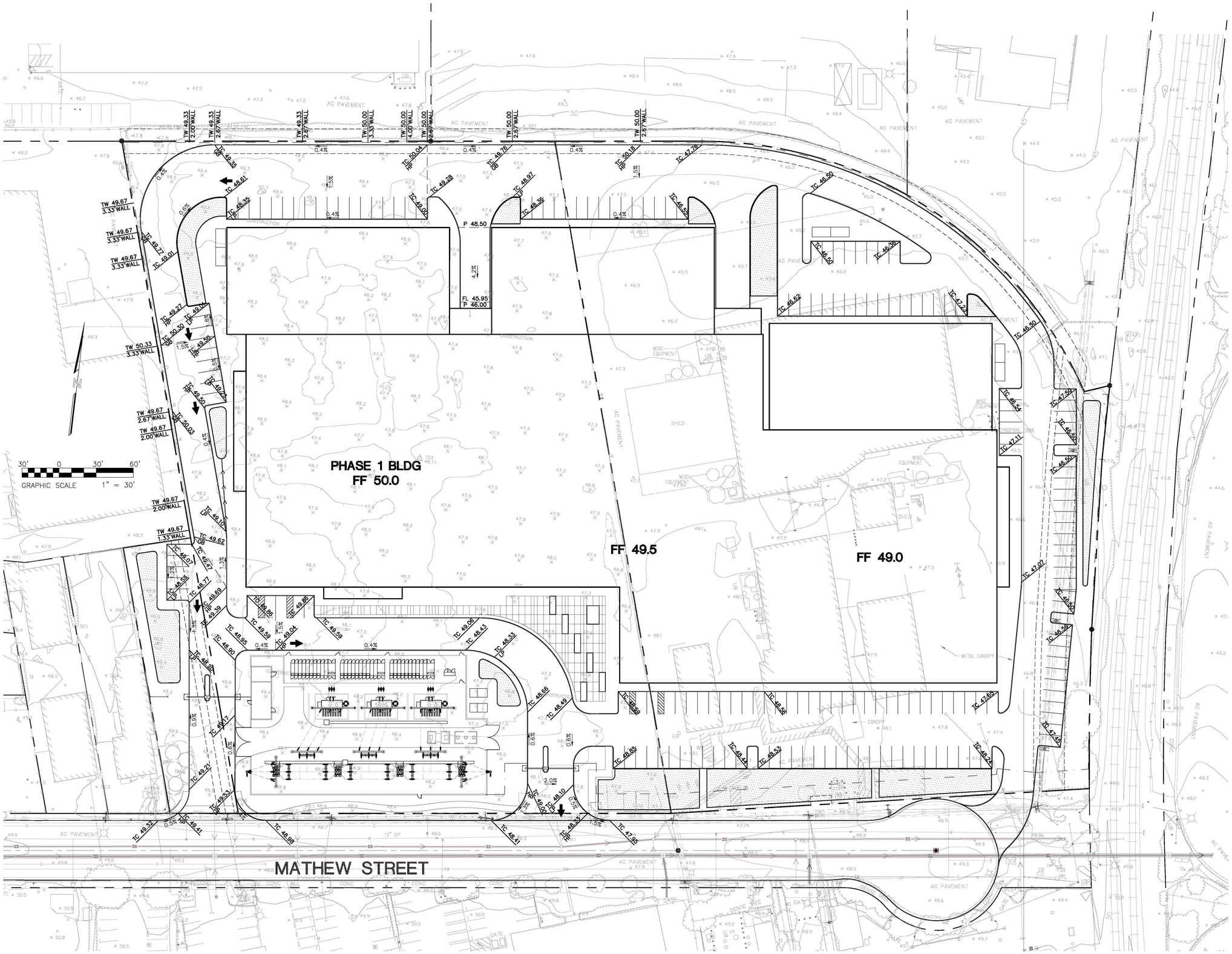
# DOCKETED

| | |
|---|---|
| **Docket Number:** | 17-SPPE-01 |
| **Project Title:** | McLaren Backup Generating Facility |
| **TN #:** | 222041-9 |
| **Document Title:** | Application for Small Power Plant Exemption for McLaren Backup Generating Facility - Appendix C Part 2 |
| **Description:** | N/A |
| **Filer:** | Marie Fleming |
| **Organization:** | DayZen LLC |
| **Submitter Role:** | Applicant Representative |
| **Submission Date:** | 12/21/2017 4:49:50 PM |
| **Docketed Date:** | 12/21/2017 |

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| NO. | DESCRIPTION | DATE |
|---|---|---|
| B | GATE ONE REVISION | 11-16-2017 |
| A | GATE ONE | 10-02-2017 |

**DRAWING ISSUES**

PROGRESS SET
NOT FOR CONSTRUCTION

**PROJECT:**

# VANTAGE - MCLAREN

**Project Status**

**625, 725 MATHEW STREET**
**SANTA CLARA, CA**

**DWG. TITLE**

PRELIMINARY GRADING AND DRAINAGE PLAN FULL SITE

**PROJECT NO:** 17919A
**DATE:** November 16, 2017
**SCALE:** AS NOTED

**DWG. NO:** C311

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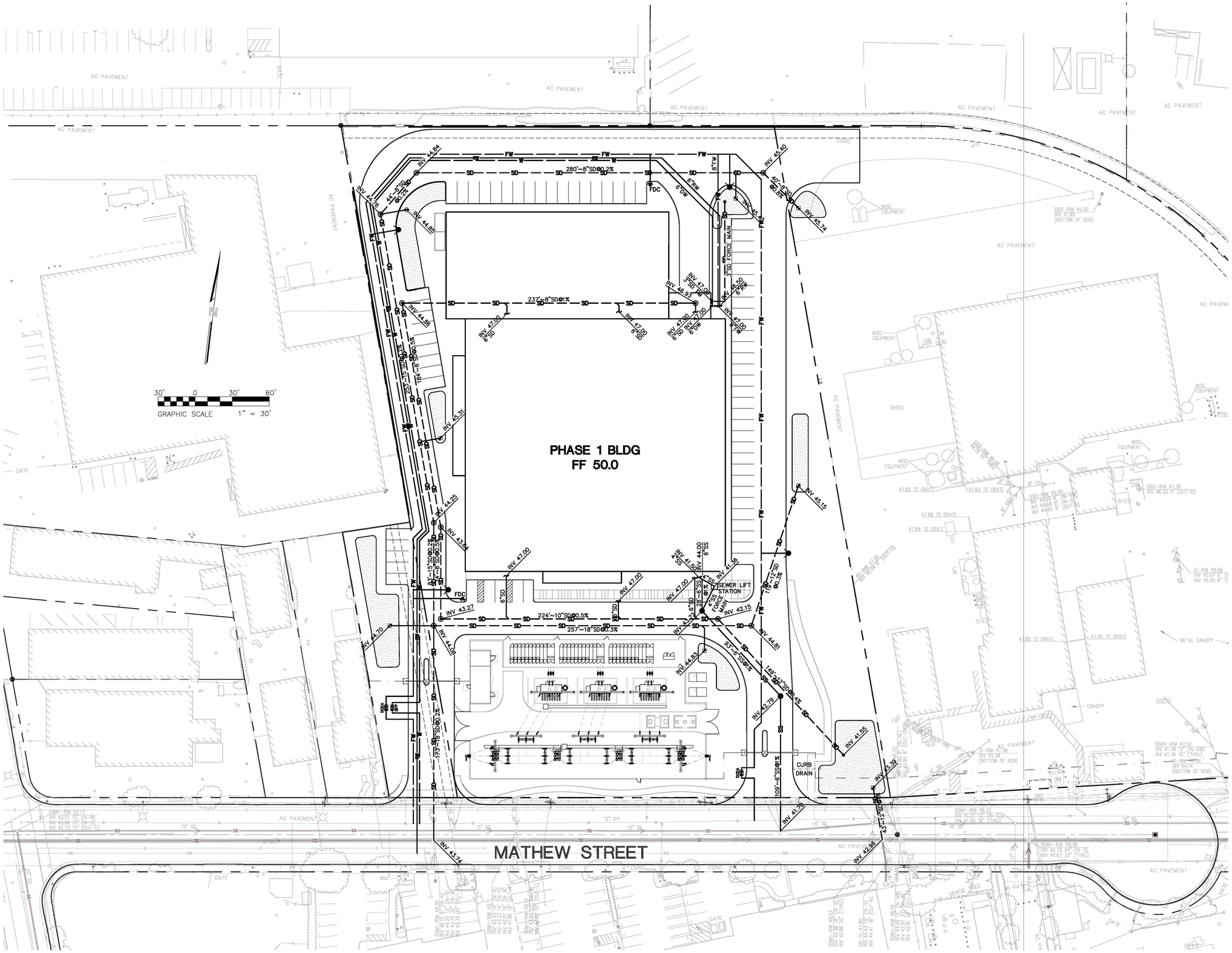
Drawing File: Q:\CIVIL\17919A\Dwg\Schematic Design\C311 Grading and Drainage Plan.dwg
Nov 15, 2017 - 4:46pm

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|---|---|---|
| B | GATE ONE REVISION | 11-16-2017 |
| A | GATE ONE | 10-02-2017 |

**DRAWING ISSUES**

PROGRESS SET
NOT FOR CONSTRUCTION

**PROJECT:**

# VANTAGE - MCLAREN

**Project Status**

**625, 725 MATHEW STREET**
**SANTA CLARA, CA**

**DWG. TITLE**

PRELIMINARY UTILITY PLAN - PHASE 1

**PROJECT NO:** 17919A
**DATE:** November 16, 2017
**SCALE:** AS NOTED

**DWG. NO:** C410

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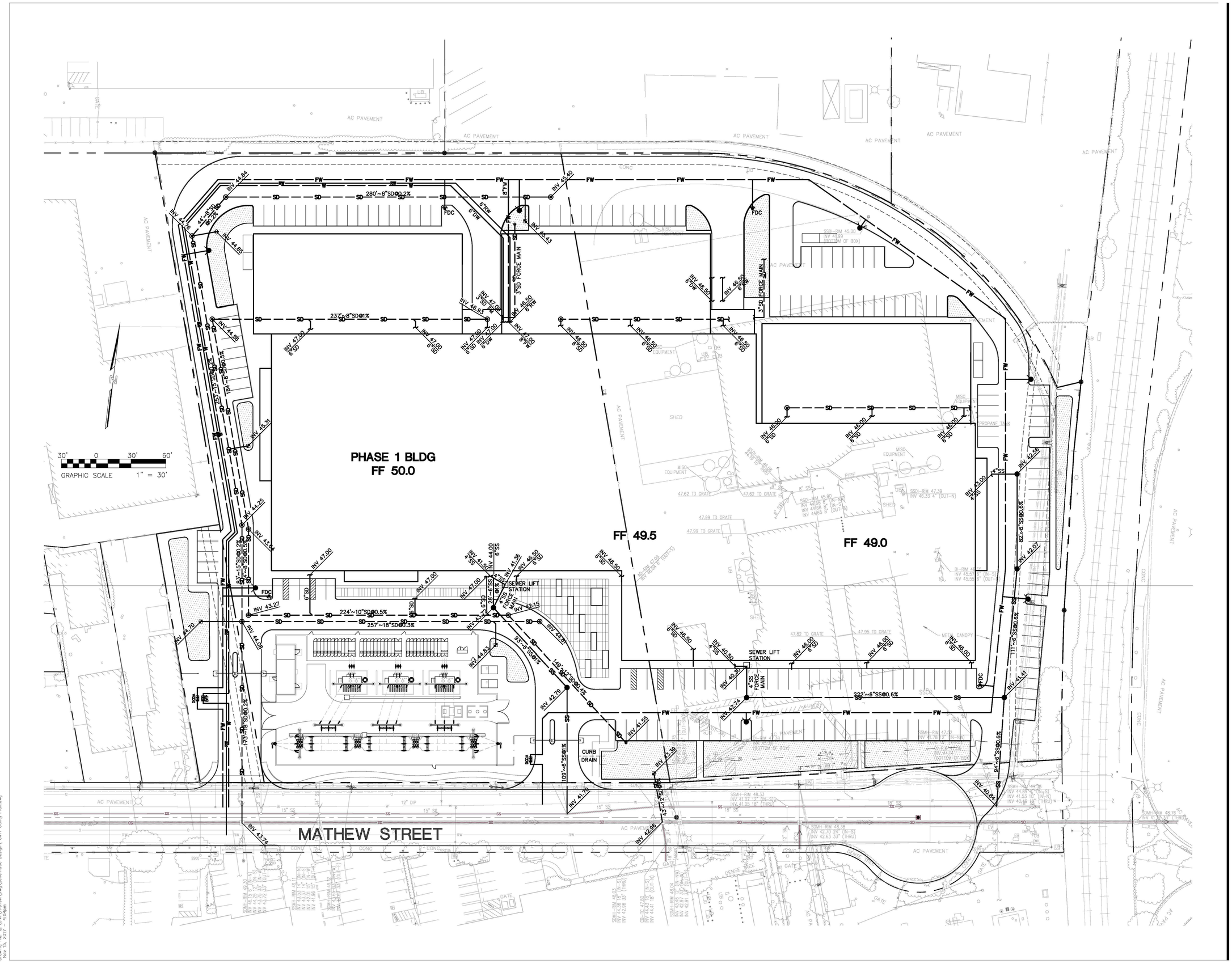


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| B | GATE ONE REVISION | 11-16-2017 |
| A | GATE ONE | 10-02-2017 |

DRAWING ISSUES

PROGRESS SET
NOT FOR CONSTRUCTION

PROJECT:

# VANTAGE - MCLAREN

Project Status

625, 725 MATHEW STREET
SANTA CLARA, CA

DWG. TITLE

PRELIMINARY UTILITY PLAN - FULL SITE

PROJECT NO: 17919A
DATE: November 16, 2017
SCALE: AS NOTED

DWG. NO: C411

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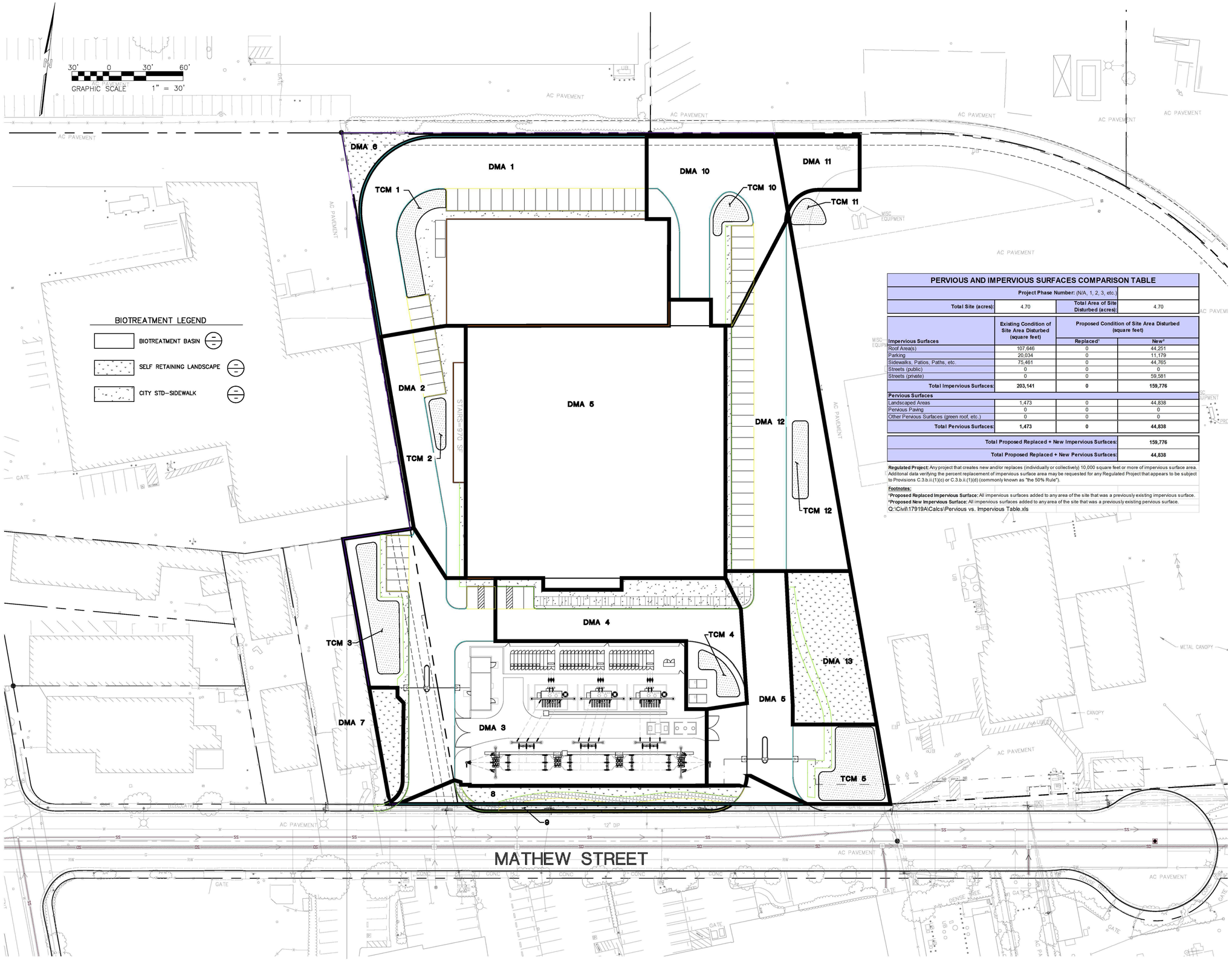


## PERVIOUS AND IMPERVIOUS SURFACES COMPARISON TABLE

| Project Phase Number: (N/A, 1, 2, 3, etc.) | | | |
|---|---|---|---|
| Total Site (acres): | 4.70 | Total Area of Site Disturbed (acres): | 4.70 |

| Impervious Surfaces | Existing Condition of Site Area Disturbed (square feet) | Proposed Condition of Site Area Disturbed (square feet) | |
|---|---|---|---|
| | | Replaced[1] | New[2] |
| Roof Area(s) | 107,646 | 0 | 44,251 |
| Parking | 20,034 | 0 | 11,179 |
| Sidewalks, Patios, Paths, etc. | 75,461 | 0 | 44,765 |
| Streets (public) | 0 | 0 | 0 |
| Streets (private) | 0 | 0 | 59,581 |
| **Total Impervious Surfaces:** | **203,141** | **0** | **159,776** |
| **Pervious Surfaces** | | | |
| Landscaped Areas | 1,473 | 0 | 44,838 |
| Pervious Paving | 0 | 0 | 0 |
| Other Pervious Surfaces (green roof, etc.) | 0 | 0 | 0 |
| **Total Pervious Surfaces:** | **1,473** | **0** | **44,838** |

| | |
|---|---|
| **Total Proposed Replaced + New Impervious Surfaces:** | **159,776** |
| **Total Proposed Replaced + New Pervious Surfaces:** | **44,838** |

**Regulated Project:** Any project that creates new and/or replaces (individually or collectively) 10,000 square feet or more of impervious surface area. Additional data verifying the percent replacement of impervious surface area may be requested for any Regulated Project that appears to be subject to Provisions C.3.b.ii.(1)(c) or C.3.b.ii.(1)(d) (commonly known as "the 50% Rule").

**Footnotes:**

[1]**Proposed Replaced Impervious Surface:** All impervious surfaces added to any area of the site that was a previously existing impervious surface.

[2]**Proposed New Impervious Surface:** All impervious surfaces added to any area of the site that was a previously existing pervious surface.

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|---|---|---|
| B | GATE ONE REVISION | 11-16-2017 |
| A | GATE ONE | 10-02-2017 |

DRAWING ISSUES

PROGRESS SET
NOT FOR CONSTRUCTION

PROJECT:

# VANTAGE - MCLAREN

Project Status

625, 725 MATHEW STREET
SANTA CLARA, CA

DWG. TITLE

PRELIMINARY
STORMWATER CONTROL
PLAN - PHASE 1

PROJECT NO: 17919A
DATE: November 16, 2017
SCALE: AS NOTED

DWG. NO: C510

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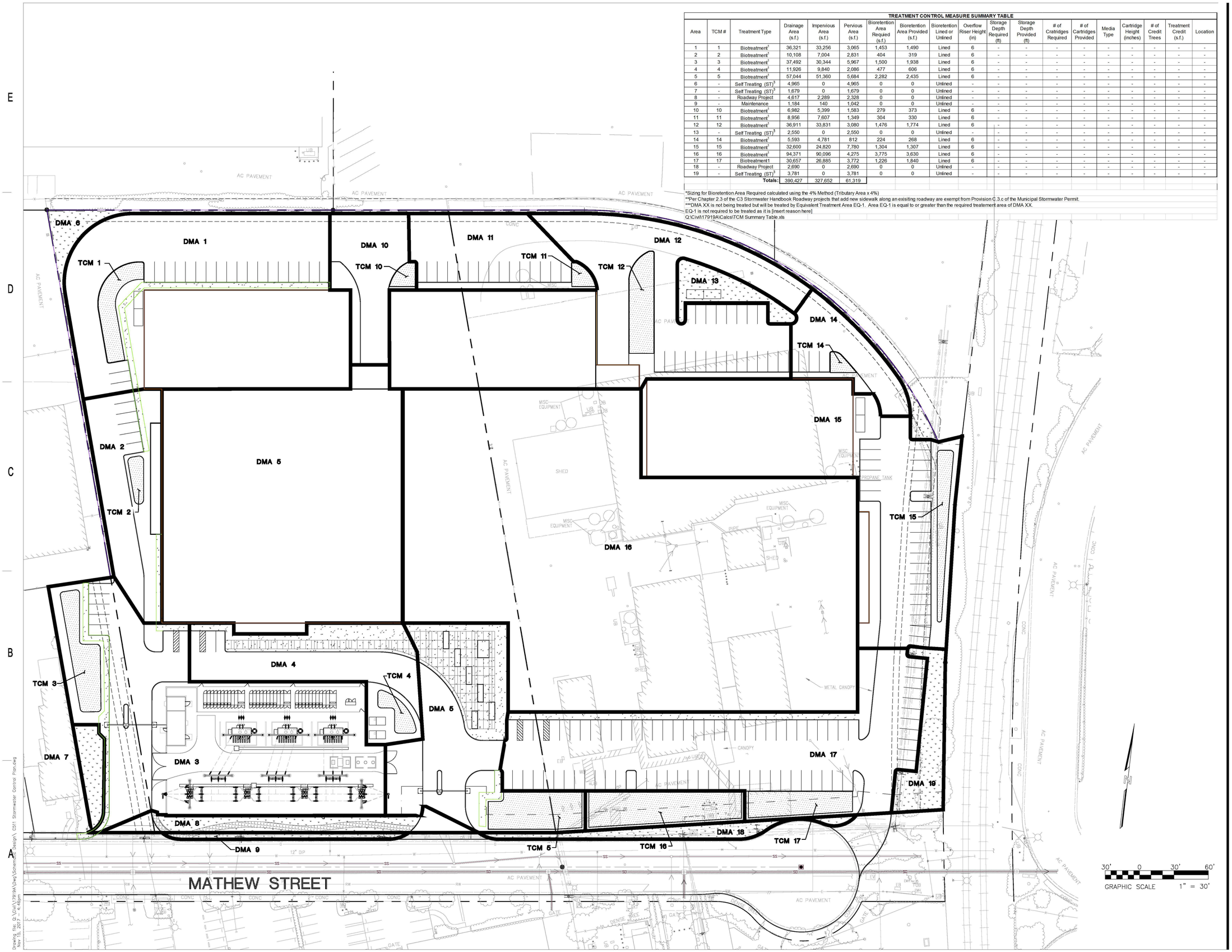


**TREATMENT CONTROL MEASURE SUMMARY TABLE**

| Area | TCM # | Treatment Type | Drainage Area (s.f.) | Impervious Area (s.f.) | Pervious Area (s.f.) | Bioretention Area Requied (s.f.) | Bioretention Area Provided (s.f.) | Bioretention Lined or Unlined | Overflow Riser Height (in) | Storage Depth Required (ft) | Storage Depth Provided (ft) | # of Cratridges Required | # of Cartridges Provided | Media Type | Cartridge Height (inches) | # of Credit Trees | Treatment Credit (s.f.) | Location |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | Biotreatment[1] | 36,321 | 33,256 | 3,065 | 1,453 | 1,490 | Lined | 6 | - | - | - | - | - | - | - | - | - |
| 2 | 2 | Biotreatment[1] | 10,108 | 7,004 | 2,831 | 404 | 319 | Lined | 6 | - | - | - | - | - | - | - | - | - |
| 3 | 3 | Biotreatment[1] | 37,492 | 30,344 | 5,967 | 1,500 | 1,938 | Lined | 6 | - | - | - | - | - | - | - | - | - |
| 4 | 4 | Biotreatment[1] | 11,926 | 9,840 | 2,086 | 477 | 606 | Lined | 6 | - | - | - | - | - | - | - | - | - |
| 5 | 5 | Biotreatment[1] | 57,044 | 51,360 | 5,684 | 2,282 | 2,435 | Lined | 6 | - | - | - | - | - | - | - | - | - |
| 6 | - | Self Treating (ST)[3] | 4,965 | 0 | 4,965 | 0 | 0 | Unlined | - | - | - | - | - | - | - | - | - | - |
| 7 | - | Self Treating (ST)[3] | 1,679 | 0 | 1,679 | 0 | 0 | Unlined | - | - | - | - | - | - | - | - | - | - |
| 8 | - | Roadway Project | 4,617 | 2,289 | 2,328 | 0 | 0 | Unlined | - | - | - | - | - | - | - | - | - | - |
| 9 | - | Maintenance | 1,184 | 140 | 1,042 | 0 | 0 | Unlined | - | - | - | - | - | - | - | - | - | - |
| 10 | 10 | Biotreatment[1] | 6,982 | 5,399 | 1,583 | 279 | 373 | Lined | 6 | - | - | - | - | - | - | - | - | - |
| 11 | 11 | Biotreatment[1] | 8,956 | 7,607 | 1,349 | 304 | 330 | Lined | 6 | - | - | - | - | - | - | - | - | - |
| 12 | 12 | Biotreatment[1] | 36,911 | 33,831 | 3,080 | 1,476 | 1,774 | Lined | 6 | - | - | - | - | - | - | - | - | - |
| 13 | - | Self Treating (ST)[3] | 2,550 | 0 | 2,550 | 0 | 0 | Unlined | - | - | - | - | - | - | - | - | - | - |
| 14 | 14 | Biotreatment[1] | 5,593 | 4,781 | 812 | 224 | 268 | Lined | 6 | - | - | - | - | - | - | - | - | - |
| 15 | 15 | Biotreatment[1] | 32,600 | 24,820 | 7,780 | 1,304 | 1,307 | Lined | 6 | - | - | - | - | - | - | - | - | - |
| 16 | 16 | Biotreatment[1] | 94,371 | 90,096 | 4,275 | 3,775 | 3,630 | Lined | 6 | - | - | - | - | - | - | - | - | - |
| 17 | 17 | Biotreatment1 | 30,657 | 26,885 | 3,772 | 1,226 | 1,840 | Lined | 6 | - | - | - | - | - | - | - | - | - |
| 18 | - | Roadway Project | 2,690 | 0 | 2,690 | 0 | 0 | Unlined | - | - | - | - | - | - | - | - | - | - |
| 19 | - | Self Treating (ST)[3] | 3,781 | 0 | 3,781 | 0 | 0 | Unlined | - | - | - | - | - | - | - | - | - | - |
| | | **Totals:** | 390,427 | 327,652 | 61,319 | | | | | | | | | | | | | |

*Sizing for Bioretention Area Required calculated using the 4% Method (Tributary Area x 4%)
**Per Chapter 2.3 of the C.3 Stormwater Handbook Roadway projects that add new sidewalk along an exisiting roadway are exempt from Provision C.3.c of the Municipal Stormwater Permit.
***DMA XX is not being treated but will be treated by Equivalent Treatment Area EQ-1. Area EQ-1 is equal to or greater than the required treatement area of DMA XX.
EQ-1 is not required to be treated as it is [insert reason here]
Q:\Civil\17919A\Calcs\TCM Summary Table.xls

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| B | GATE ONE REVISION | 11-16-2017 |
| A | GATE ONE | 10-02-2017 |

DRAWING ISSUES

PROGRESS SET
NOT FOR CONSTRUCTION

PROJECT:
VANTAGE - MCLAREN

Project Status
625, 725 MATHEW STREET
SANTA CLARA, CA

DWG. TITLE
PRELIMINARY
STORMWATER CONTROL
PLAN - FULL SITE

PROJECT NO: 17919A
DATE: November 16, 2017
SCALE: AS NOTED

DWG. NO: C511

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## BIOTREATMENT SOIL REQUIREMENTS

- BIORETENTION SOIL MIX SHALL MEET THE REQUIREMENTS AS OUTLINED IN APPENDIX C OF THE C.3 STORM WATER HANDBOOK AND SHALL BE A MIXTURE OF FINE SAND AND COMPOST MEASURED ON A VOLUME BASIS OF 60–70% SAND AND 30–40% COMPOST. CONTRACTOR TO REFER TO APPENDIX C FOR SAND AND COMPOST MATERIAL SPECIFICATIONS.
- PRIOR TO ORDERING THE BIOTREATMENT SOIL MIX OR DELIVERY TO THE PROJECT SITE, CONTRACTOR SHALL PROVIDE A BIOTREATMENT SOIL MIX SPECIFICATION CHECKLIST, COMPLETED BY THE SOIL MIX SUPPLIER AND CERTIFIED TESTING LAB.

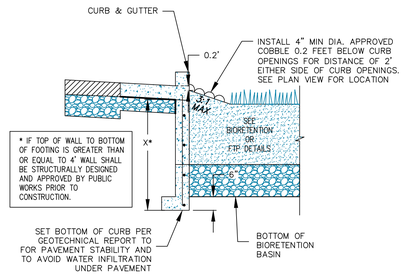
## BIORETENTION NOTES:

1. SEE GRADING PLAN FOR BASIN FOOTPRINT AND DESIGN ELEVATIONS.
2. PLACE 3 INCHES OF COMPOSTED, NON–FLOATABLE MULCH IN AREAS BETWEEN STORMWATER PLANTINGS.
3. SEE LANDSCAPE PLAN FOR MULCH, PLANT MATERIALS AND IRRIGATION REQUIREMENTS
4. CURB CUTS SHALL BE A MINIMUM 18" WIDE AND SPACED AT 10' O.C. INTERVALS AND SLOPED TO DIRECT STORMWATER TO DRAIN INTO THE BASIN. CURB CUTS SHALL ALSO NOT BE PLACED INLINE WITH OVERFLOW CATCH BASIN. SEE GRADING PLAN FOR MORE DETAIL ON LOCATIONS OF CURB CUTS.
5. A MINIMUM 0.2' DROP BETWEEN STORM WATER ENTRY POINT (I.E. CURB OPENING, FLUSH CURB, ETC.) AND ADJACENT LANDSCAPE FINISHED GRADE.
6. DO NOT COMPACT NATIVE SOIL / SUBGRADE AT BOTTOM OF BASIN. LOOSEN SOIL TO 12" DEPTH.

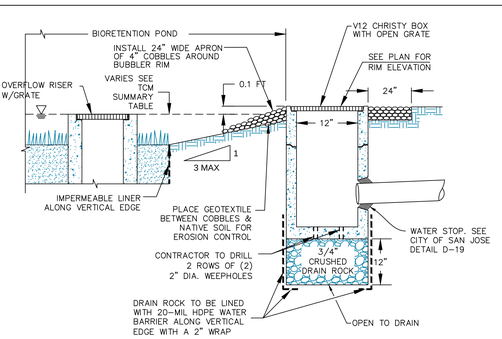
## SITE DESIGN MEASURES:

1. PROTECT EXISTING TREES, VEGETATION, AND SOIL.
2. PRESERVE OPEN SPACE AND NATURAL DRAINAGE PATTERNS.
3. REDUCE EXISTING IMPERVIOUS SURFACES.
4. CREATE NEW PERVIOUS AREAS:
5. LANDSCAPING
   a. PARKING STALLS.
   b. WALKWAYS AND PATIOS.
   c. EMERGENCY VEHICLE ACCESS.
   d. PRIVATE STREETS AND SIDEWALKS.
6. DIRECT RUNOFF FROM ROOFS, SIDEWALKS, PATIOS TO LANDSCAPED AREAS.
7. CLUSTER STRUCTURES/PAVEMENT.
8. PLANT TREES ADJACENT TO AND IN PARKING AREAS AND ADJACENT TO OTHER IMPERVIOUS AREAS.
9. PARKING:
   a. ON TOP OF OR UNDER BUILDINGS.
   b. NOT PROVIDED IN EXCESS OF CODE.
10. RAINWATER HARVESTING AND USE (E.G., RAIN BARREL, CISTERN CONNECTED TO ROOF DRAINS)
11. INSTALL A GREEN ROOF ON ALL OR A PORTION OF THE ROOF.
12. PROTECTED RIPARIAN AND WETLAND AREAS/ BUFFERS.

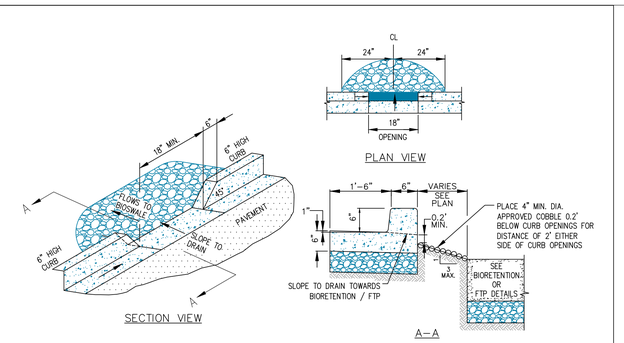
OTHER: _____



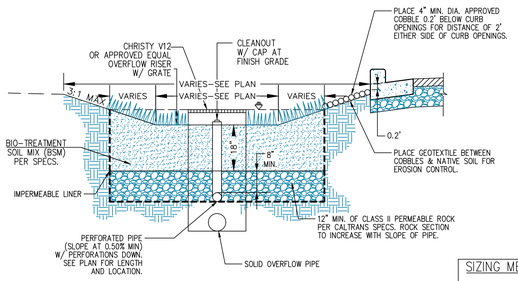

1 CURB ADJACENT TO BIORETENTION N.T.S.




2 BUBBLER BOX DETAIL N.T.S.




3 CURB OPENING N.T.S.




SIZING METHODS:

4%

4 BIORETENTION BASIN W/ LINER N.T.S.

## SOURCE CONTROL MEASURES:

1. CONNECT THE FOLLOWING FEATURES TO SANITARY SEWER:
   a. COVERED TRASH/ RECYCLING ENCLOSURES.
   b. INTERIOR PARKING STRUCTURES.
   c. WASH AREA/ RACKS.
   d. POOLS, SPAS, FOUNTAINS.
   e. COVERED LOADING DOCKS AND MAINTENANCE BAYS.
   f. PUMPED GROUNDWATER.
2. SERVICE STATIONS/ FUELING AREAS (MUST INCLUDE ALL FOUR BELOW):
   a. GRADE FUELING AREAS TO PREVENT PONDING.
   b. USE CONCRETE FOR THE FUEL AREA SURFACE.
   c. SEPARATE THE FUELING AREA FROM THE REST OF THE SITE BY A GRADE BREAKS THAT PREVENT RUN–ON.
   d. COVER THE FUELING AREAS WITH A CANOPY EXTENDING A MINIMUM OF TEN FEET FROM EACH PUMP.
3. INDUSTRIAL, OUTDOOR MATERIAL STORAGE, AND RECYCLING FACILITIES:
   a. STOCKPILE MATERIAL ON AN IMPERVIOUS SURFACE OR UNDER PERMANENT ROOF OR COVERING, AS APPROPRIATE
   b. DIRECT PONDED WATER TO THE SANITARY SEWER, ONSITE TREATMENT SYSTEM(S), OR TO OFFSITE DISPOSAL.
   c. INSTALL BERMS OR CURBING TO PREVENT RUNOFF FROM THE STORAGE/ PROCESSING AREAS
   d. SEGREGATE POLLUTANT GENERATING ACTIVITIES INTO A DISTINCT DRAINAGE MANAGEMENT AREA(S) AND PROVIDE TREATMENT.
4. BENEFICIAL LANDSCAPING.
5. USE OF WATER EFFICIENT IRRIGATION SYSTEMS.
6. MAINTENANCE (PAVEMENT SWEEPING, CATCH BASIN CLEANING, GOOD HOUSEKEEPING).
7. STORM DRAIN LABELING.
8. OTHER: _____

## STANDARD STORMWATER CONTROL NOTES:

- STANDING WATER SHALL NOT REMAIN IN THE TREATMENT MEASURES FOR MORE THAN FIVE DAYS, TO PREVENT MOSQUITO GENERATION. SHOULD ANY MOSQUITO ISSUES ARISE, CONTACT THE SANTA CLARA VALLEY VECTOR CONTROL DISTRICT (DISTRICT). MOSQUITO LARVICIDES SHALL BE APPLIED ONLY WHEN ABSOLUTELY NECESSARY, AS INDICATED BY THE DISTRICT, AND THEN ONLY BY A LICENSED PROFESSIONAL OR CONTRACTOR. CONTACT INFORMATION FOR THE DISTRICT IS PROVIDED BELOW.
- DO NOT USE PESTICIDES OR OTHER CHEMICAL APPLICATIONS TO TREAT DISEASED PLANTS, CONTROL WEEDS OR REMOVED UNWANTED GROWTH. EMPLOY NON-CHEMICAL CONTROLS (BIOLOGICAL, PHYSICAL AND CULTURAL CONTROLS) TO TREAT A PEST PROBLEM. PRUNE PLANTS PROPERLY AND AT THE APPROPRIATE TIME OF YEAR. PROVIDE ADEQUATE IRRIGATION FOR LANDSCAPE PLANTS. DO NOT OVER WATER.

## OPERATION AND MAINTENANCE INFORMATION:

I. **PROPERTY INFORMATION:**
   I.A. PROPERTY ADDRESS: _____
   I.B. PROPERTY OWNER: _____

II. **RESPONSIBLE PARTY FOR MAINTENANCE:**
   II.A. CONTACT: _____
   II.B. PHONE NUMBER OF CONTACT: _____
   II.C. EMAIL: _____
   II.D. ADDRESS: _____

## STORMWATER TREATMENT CONTROL MEASURE (TCM) SUMMARY TABLE

**TREATMENT CONTROL MEASURE SUMMARY TABLE**

| Area | TCM # | Treatment Type | Drainage Area (s.f.) | Impervious Area (s.f.) | Pervious Area (s.f.) | Bioretention Area Requied (s.f.) | Bioretention Area Provided (s.f.) | Bioretention Lined or Unlined | Overflow Riser Height (in) | Storage Depth Required (ft) | Storage Depth Provided (ft) | # of Cartridges Required | # of Cartridges Provided | Media Type | Cartridge Height (inches) | # of Credit Trees | Treatment Credit (s.f.) | Location |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | Biotreatment[1] | 36,321 | 33,256 | 3,065 | 1,453 | 1,490 | Lined | 6 | - | - | - | - | - | - | - | - | - |
| 2 | 2 | Biotreatment[1] | 10,108 | 7,004 | 2,831 | 404 | 319 | Lined | 6 | - | - | - | - | - | - | - | - | - |
| 3 | 3 | Biotreatment[1] | 37,492 | 30,344 | 5,967 | 1,500 | 1,938 | Lined | 6 | - | - | - | - | - | - | - | - | - |
| 4 | 4 | Biotreatment[1] | 11,926 | 9,840 | 2,086 | 477 | 606 | Lined | 6 | - | - | - | - | - | - | - | - | - |
| 5 | 5 | Biotreatment[1] | 57,044 | 51,360 | 5,684 | 2,282 | 2,435 | Lined | 6 | - | - | - | - | - | - | - | - | - |
| 6 | - | Self Treating (ST)[3] | 2,998 | 0 | 2,998 | 0 | 0 | Unlined | - | - | - | - | - | - | - | - | - | - |
| 7 | - | Self Treating (ST)[3] | 1,679 | 0 | 1,679 | 0 | 0 | Unlined | - | - | - | - | - | - | - | - | - | - |
| 8 | - | Roadway Project | 4,617 | 2,289 | 2,328 | 0 | 0 | Unlined | - | - | - | - | - | - | - | - | - | - |
| 9 | - | Maintenance | 1,184 | 140 | 1,042 | 0 | 0 | Unlined | - | - | - | - | - | - | - | - | - | - |
| 10 | 10 | Biotreatment[1] | 12,892 | 10,096 | 2,811 | 516 | 537 | Lined | 6 | - | - | - | - | - | - | - | - | - |
| 11 | 11 | Biotreatment[1] | 2,941 | 2,941 | 0 | 118 | 456 | Lined | 6 | - | - | - | - | - | - | - | - | - |
| 12 | 12 | Biotreatment[1] | 19,300 | 11,566 | 7,734 | 772 | 811 | Lined | 6 | - | - | - | - | - | - | - | - | - |
| 13 | - | Self Treating (ST)[3] | 7,373 | 760 | 6,613 | 295 | 0 | Unlined | - | - | - | - | - | - | - | - | - | - |
| | | **Totals:** | 205,875 | 159,596 | 44,838 | | | | | | | | | | | | | |

*Sizing for Bioretention Area Required calculated using the 4% Method (Tributary Area x 4%)
**Per Chapter 2.3 of the C3 Stormwater Handbook Roadway projects that add new sidewalk along an exisiting roadway are exempt from Provision C.3.c of the Municipal Stormwater Permit.
***DMA XX is not being treated but will be treated by Equivalent Treatment Area EQ-1. Area EQ-1 is equal to or greater than the required treatement area of DMA XX.
EQ-1 is not required to be treated as it is [insert reason here]
Q:\Civil\17919A\Calcs\TCM Summary Table.xls

## PROJECT SITE INFORMATION:

1. **SOILS TYPE:** _____
2. **GROUND WATER DEPTH:** _____
3. **NAME OF RECEIVING BODY:** _____
4. **FLOOD ZONE:** _____
5. **FLOOD ELEVATION (IF APPLICABLE):** _____

## SELF TREATING AREA CALCULATIONS

| AREA # | TOTAL AREA (SF) | LANDSCAPING (SF) |
|---|---|---|
| 6 | 2,998 | 2,998 |
| 7 | 1,679 | 1,679 |
| Roadway Project | 4,617 | 2,328 |
| Maintenance | 1,184 | 1,042 |
| 13 | 7,373 | 6,613 |

Q:\Civil\17919A\Calcs\Self-Treating Calcs.xxl

## SELF TREATING AREA NOTES:

1. SELF TREATING AREAS ARE 100% PERVIOUS AND DO NOT RECEIVE ANY RUNOFF FROM SURROUNDING IMPERVIOUS AREAS.

**TABLE 1**
**ROUTINE MAINTENANCE ACTIVITIES FOR BIORETENTION AREAS**

| NO. | MAINTENANCE TASK | FREQUENCY OF TASK |
|---|---|---|
| 1 | REMOVE OBSTRUCTIONS, WEEDS, DEBRIS AND TRASH FROM BIORETENTION AREA AND ITS INLETS AND OUTLETS; AND DISPOSE OF PROPERLY. | QUARTERLY, OR AS NEEDED AFTER STORM EVENTS |
| 2 | INSPECT BIORETENTION AREA FOR STANDING WATER. IF STANDING WATER DOES NOT DRAIN WITHIN 2-3 DAYS, TILL AND REPLACE THE SURFACE BIOTREATMENT SOIL WITH THE APPROVED SOIL MIX AND REPLANT. | QUARTERLY, OR AS NEEDED AFTER STORM EVENTS |
| 3 | CHECK UNDERDRAINS FOR CLOGGING. USE THE CLEANOUT RISER TO CLEAN ANY CLOGGED UNDERDRAINS. | QUARTERLY, OR AS NEEDED AFTER STORM EVENTS |
| 4 | MAINTAIN THE IRRIGATION SYSTEM AND ENSURE THAT PLANTS ARE RECEIVING THE CORRECT AMOUNT OF WATER (IF APPLICABLE). | QUARTERLY |
| 5 | ENSURE THAT THE VEGETATION IS HEALTHY AND DENSE ENOUGH TO PROVIDE FILTERING AND PROTECT SOILS FROM EROSION. PRUNE AND WEED THE BIORETENTION AREA. REMOVE AND/OR REPLACE ANY DEAD PLANTS. | ANNUALLY, BEFORE THE WET SEASON BEGINS |
| 6 | USE COMPOST AND OTHER NATURAL SOIL AMENDMENTS AND FERTILIZERS INSTEAD OF SYNTHETIC FERTILIZERS, ESPECIALLY IF THE SYSTEM USES AN UNDERDRAIN. | ANNUALLY, BEFORE THE WET SEASON BEGINS |
| 7 | CHECK THAT MULCH IS AT APPROPRIATE DEPTH (2 - 3 INCHES PER SOIL SPECIFICATIONS) AND REPLENISH AS NECESSARY BEFORE WET SEASON BEGINS. IT IS RECOMMENDED THAT 2" – 3" OF ARBOR MULCH BE REAPPLIED EVERY YEAR. | ANNUALLY, BEFORE THE WET SEASON BEGINS |
| 8 | INSPECT THE ENERGY DISSIPATION AT THE INLET TO ENSURE IT IS FUNCTIONING ADEQUATELY, AND THAT THERE IS NO SCOUR OF THE SURFACE MULCH. REMOVE ACCUMULATED SEDIMENT. | ANNUALLY, BEFORE THE WET SEASON BEGINS |
| 9 | INSPECT OVERFLOW PIPE TO ENSURE THAT IT CAN SAFELY CONVEY EXCESS FLOWS TO A STORM DRAIN. REPAIR OR REPLACE DAMAGED PIPING. | ANNUALLY, BEFORE THE WET SEASON BEGINS |
| 10 | REPLACE BIOTREATMENT SOIL AND MULCH, IF NEEDED. CHECK FOR STANDING WATER, STRUCTURAL FAILURE AND CLOGGED OVERFLOWS. REMOVE TRASH AND DEBRIS. REPLACE DEAD PLANTS. | |
| 11 | INSPECT BIORETENTION AREA USING THE ATTACHED INSPECTION CHECKLIST. | ANNUALLY, BEFORE THE WET SEASON |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| NO. | DESCRIPTION | DATE |
|---|---|---|
| B | GATE ONE REVISION | 11-16-2017 |
| A | GATE ONE | 10-02-2017 |

**DRAWING ISSUES**

PROGRESS SET
NOT FOR CONSTRUCTION

PROJECT:

# VANTAGE - MCLAREN

**Project Status**

**625, 725 MATHEW STREET**
**SANTA CLARA, CA**

**DWG. TITLE**

PRELIMINARY
STORMWATER CONTROL
NOTES AND DETAILS

PROJECT NO: 17919A
DATE: November 16, 2017
SCALE: AS NOTED

**DWG. NO:** C520

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Drawing file: Q:\Civil\17919A\Dwg\Schematic Design\ C520 Stormwater Control Notes & Details.dwg
Nov 15, 2017 – 4:46pm