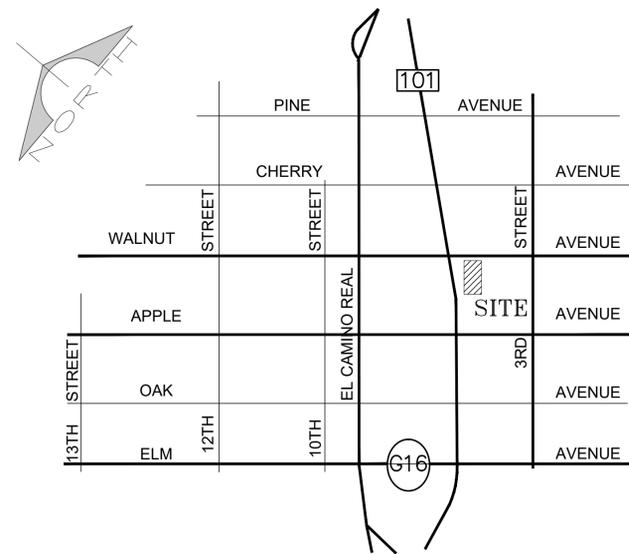


**GENERAL NOTES:**

- ALL CONSTRUCTION WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF GREENFIELD, CITY OF SALINAS STANDARD PLANS, CITY OF SANTA MARIA STANDARD DRAWINGS, STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION (GREENBOOK), AND THE LATEST EDITION OF THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, AND AS DIRECTED BY THE CITY ENGINEER.
- PRIOR TO THE START OF ANY PHASE OF CONSTRUCTION, THE OFFICE OF THE CITY ENGINEER SHALL BE GIVEN AT LEAST 48 HOURS NOTICE; (831) 674-2635.
- CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED BY THE CITY OF GREENFIELD PRIOR TO THE START OF ANY CONSTRUCTION..
- THE ENGINEER HAS SHOWN EXISTING UNDERGROUND UTILITIES ON THIS PLAN TO THE BEST OF THEIR KNOWLEDGE. THERE MAY BE OTHER UNDERGROUND UTILITIES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY UNDERGROUND UTILITIES IN THE FIELD PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) AND THE CITY OF GREENFIELD DEPARTMENT OF PUBLIC WORKS FOR UTILITY LOCATION 48 HOURS PRIOR TO ANY EXCAVATION OR TRENCHING. 811 CITY OF GREENFIELD: (831) 674-2635.
- CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER, CITY OF GREENFIELD AND CITY CONSULTANTS AND THE ENGINEER HARMLESS FROM ANY AND LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
- THE CONTRACTOR SHALL REMOVE AND/OR RELOCATE ALL OBSTRUCTIONS WITHIN THE STREET RIGHT OF WAY AS DIRECTED BY THE CITY ENGINEER.
- ALL EXISTING IMPROVEMENTS THAT ARE REMOVED, DAMAGED OR UNDERCUT SHALL BE REPAIRED OR REPLACED AS DIRECTED BY THE CITY ENGINEER AT THE CONTRACTORS EXPENSE.
- ANY TRENCHING CONDUCTED WITHIN THIS PROJECT SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE CITY OF GREENFIELD, CITY OF SALINAS STANDARD DETAILS, AND CITY OF SANTA MARIA STANDARD DRAWINGS.
- COMPACTION TESTS SHALL BE PROVIDED BY THE CONTRACTOR AT LOCATIONS TO BE DETERMINED BY THE CITY PUBLIC WORKS DEPARTMENT.
- PALMETTO ENGINEERING AND LAND SURVEYING, INC. SHALL NOT BE RESPONSIBLE OR LIABLE FOR UNAUTHORIZED CHANGES TO, OR USES, OF THESE PLANS. ALL CHANGES TO THESE PLANS SHALL BE REVIEWED AND APPROVED BY THE CITY OF GREENFIELD AND APPROVED IN WRITING BY PALMETTO ENGINEERING AND LAND SURVEYING, INC.
- IF THE CONTRACTOR IS IN DOUBT AS TO THE MEANING OF ANY PART OF THE PLANS AND SPECIFICATIONS OR FINDS DISCREPANCIES IN OR OMISSIONS FROM THE PLANS OR SPECIFICATIONS, HE SHALL SUBMIT A WRITTEN REQUEST FOR AN INTERPRETATION OR A CORRECTION THEREOF, PRIOR TO SUBMITTING HIS BID FOR THE PROJECT.
- AN OPEN STREET PERMIT SHALL BE OBTAINED FROM THE CITY OF GREENFIELD PUBLIC WORKS DEPARTMENT FOR ANY WORK PERFORMED WITHIN EXISTING ACCEPTED STREET RIGHT OF WAY PRIOR TO ANY CONSTRUCTION. UNLESS SECURED BY A SUBDIVISION AGREEMENT, SECURITY BASED ON AN APPROVED ENGINEER'S ESTIMATE FOR THE WORK PERFORMED WITHIN RIGHT OF WAY AND INSURANCE/BONDING AS REQUIRED SHALL BE PROVIDED PRIOR TO ISSUANCE OF A PERMIT.
- CONTRACTOR SHALL PROVIDE APPROPRIATE OSHA PERMIT DOCUMENT AND SUBMIT SHORING PACKAGE FOR REVIEW BY THE CITY PRIOR TO CONSTRUCTION.
- THE FOLLOWING CITY OF GREENFIELD, CITY OF SALINAS, AND CITY OF SANTA MARIA STANDARD DETAILS, CURRENT EDITION, APPLY TO THESE PLANS:

- RD-33 TRENCH REPAIR (CITY OF SANTA MARIA)
- SP-25 TYPE "A" AND "B" MANHOLE (CITY OF SALINAS)
- SP-27 MANHOLE FRAME AND COVER (CITY OF SALINAS)

# CIVIL IMPROVEMENT PLANS FOR TOWNE PLACE SUITES GREENFIELD, CA TRACT NO.1525 APN 109-116-01



**SHEET INDEX:**

- C1 COVER SHEET
- C2 CIVIL SITE PLAN
- C2.1 GRADING PLAN
- C3 UTILITY PLAN
- C4 WATER QUALITY MANAGEMENT PLAN
- C5 GRADING SECTIONS
- C6 DETAILS SHEET
- C7 EROSION CONTROL PLAN
- C8 CUTTING & FILLING PLAN

**BENCHMARK:**

SITE BENCHMARKS:- BASE CONTROL POINT NUMBER 4. NAIL SET IN ASPHALT.

ELEVATION = 272.69'

**DESCRIPTION:**

BASIS OF ELEVATIONS: A SITE BENCHMARK PER THE SITE IMPROVEMENT PLANS FOR "THE VINES AT GREENFIELD" DATED 8-4-2017. DESCRIBED AS A 1" IRON PIPE WITH CAL-TRANS TAG ON THE N.W. SIDE OF WALNUT AVENUE.

ELEVATION = 276.93'

**BASIS OF BEARING:**

BASIS OF BEARINGS: THE CENTERLINE OF WALNUT AVENUE. TAKEN BETWEEN THE MONUMENTS AS SHOWN ON TRACT NO. 1525 ENTITLED "THE VINES AT GREENFIELD" AS RECORDED IN VOLUME 24 OF CITIES AND TOWNS AT PAGE 47 IN THE COUNTY OF MONTEREY, CA TAKEN TO BEAR: NORTH 54°35'00" EAST

**LEGAL DESCRIPTION:**

THE LAND REFERRED TO IS SITUATED IN THE COUNTY OF MONTEREY, CITY OF GREENFIELD, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

**PARCEL ONE:**

LOT LABELED B AS SHOWN ON EXHIBIT B OF THAT CITY OF GREENFIELD GRANT OF WAIVER AND CERTIFICATE OF COMPLIANCE FILED IN THE OFFICE OF THE COUNTY OF MONTEREY ON APRIL 30, 2019 UNDER RECORDER'S SERIES NUMBER 2019016988.

**PARCEL TWO:**

A NON-EXCLUSIVE EASEMENT FOR VEHICULAR INGRESS AND EGRESS AND PUBLIC UTILITIES OVER LOT 3 AS SHOWN ON ENTITLED "TRACT NO. 1525, THE VINES AT GREENFIELD", FILED JULY 7, 2016 IN VOLUME 24 OF MAPS, CITIES AND TOWNS, AT PAGE 47.

APN:109-116-001 (PORTION), 109-116-002, 109-116-006 (PORTION), 109-116-007, 109-116-008 (PORTION)

**FLOOD ZONE DATA:**

SUBJECT PROPERTY IS LOCATED WITHIN ZONE "X", AREAS WITHIN ZONE "X" ARE DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOOD PLAIN, AS DETERMINED BY THE NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP FOR MONTEREY COUNTY, CALIFORNIA.

MAP NUMBER: 06053C0850G  
EFFECTIVE DATE: 04/02/2009

**OWNER INFORMATION:**

MR. AJAY ANAND  
GRANGE HOSPITALITY, LLC  
5080 CALIFORNIA AVENUE, SUITE 415,  
BAKERSFIELD, CALIFORNIA 93309

**ARCHITECT & CIVIL ENGINEER:**

JASPAL SINGH SIDHU P.E.  
ACE DESIGN, LLC  
1024 IRON POINT ROAD,  
FOLSOM, CA 95630  
(702) 396-5113

**GEOTECHNICAL ENGINEER:**

GEORGE J. BARNETT  
EARTH SYSTEMS PACIFIC  
1514 MOFFERT STREET, SUITE G  
SALINAS, CA 93905-3349  
(831)-422-8547  
ESP@EARTHSYSTEM.COM

**SITE AREA:**

SITE AREA = 83,209 SF  
= 1.91 ACRE

REVISIONS:	REVISION	ISSUE	DATED

**ACE Design LLC**

1024 IRON POINT ROAD  
FOLSOM, CA 95630  
Phone: (702) 396-5113, Fax: (702) 446-8155

Land Planning • Civil Engineering • Architectural Design • Structural Engineering

COVER SHEET  
TOWNE PLACE SUITES  
379 WALNUT AVENUE  
GREENFIELD, CA 93927

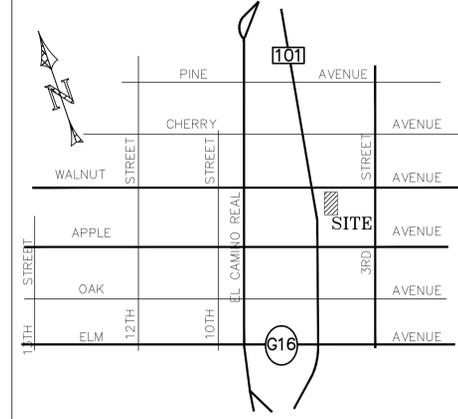
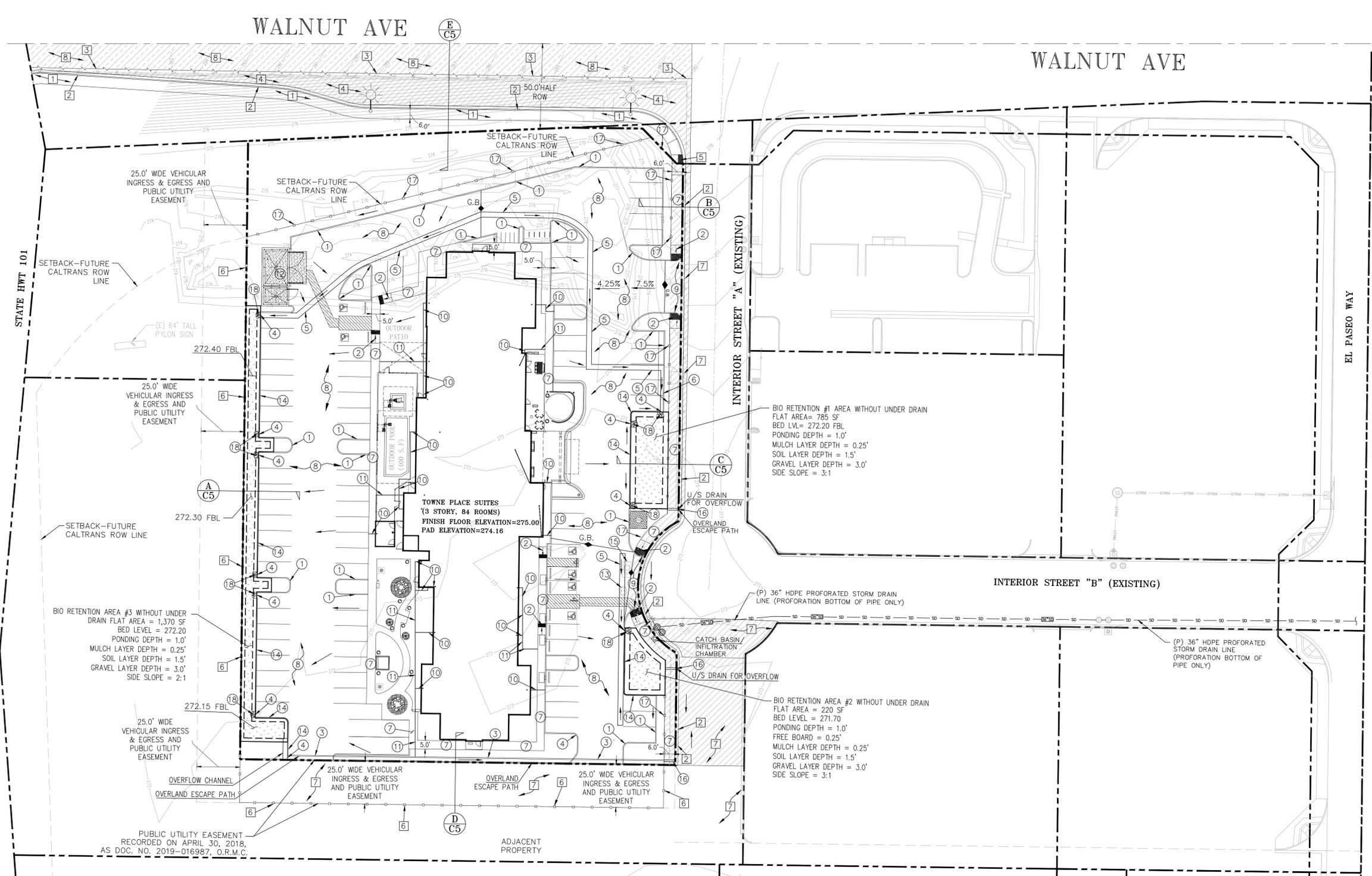
TITLE PROJECT



DATE: 05/10/2023  
JOB: 18-15  
DWG. BY: AK  
CHK. BY: JS

C1

SHEET  
01 OF 09



**CONSTRUCTION NOTES:**

- 1 CONSTRUCT TYPE-A CONCRETE CURB.
- 2 CONSTRUCT ONSITE DISABLED RAMP.
- 3 CONSTRUCT 2.0' WIDE CLEAR CONCRETE CHANNEL PER DETAIL ON THIS SHEET.
- 4 PROVIDE 3.0' WIDE CURB OPENING.
- 5 CONSTRUCT 3.0' WIDE ONSITE CONCRETE VALLEY GUTTER.
- 6 CONSTRUCT 2.0' CURB AND GUTTER.
- 7 CONSTRUCT ONSITE CONCRETE SIDEWALK (WIDTH PER PLAN).
- 8 CONSTRUCT 5.5" AC OVER 18" TYPE II AGGREGATE BASE (95% COMPACTION) OVER A COMPACTED SUBGRADE OF 12" (90% COMPACTION) FOR A TRAFFIC INDEX OF 5.0.
- 9 CONSTRUCT CONCRETE DRIVEWAY APPROACH.
- 10 INSTALL 3" UNDER SIDEWALK STORM DRAIN PIPE.
- 11 INSTALL 4" UNDER SIDEWALK STORM DRAIN PIPE.
- 12 CONSTRUCT TRASH ENCLOSURE PER ARCHITECTURAL PLANS.
- 13 TELEPHONE CABINET TO BE RELOCATED.
- 14 CONSTRUCT 24" DEEP CURB.
- 15 TRANSFORMER TO BE RELOCATED.
- 16 OVERLAND ESCAPE FROM UNDER SIDEWALK DRAIN TO STREET.
- 17 PROPOSED 6.0' HIGH WROUGHT IRON FENCE.
- 18 CONSTRUCT RIP-RAP HAVING PARTICLE SIZE D50 = 3" WITH 6" THICK RIP-RAP LAYER & 6" THICK TYPE II (2-INCH SIZE) GRANULAR BEDDING.

**OFFSITE IMPROVEMENTS:**

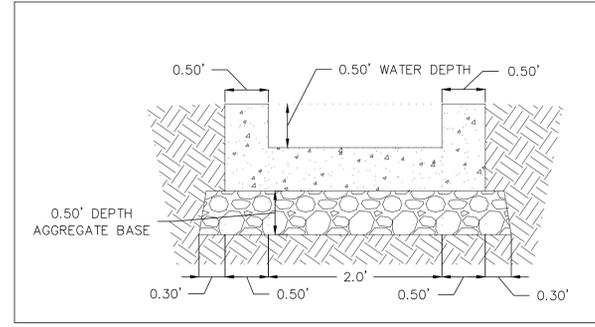
- 1 PROPOSED 6.0' WIDE SIDEWALK.
- 2 PROPOSED CURB & GUTTER.
- 3 SAW CUT EXISTING PAVEMENT.
- 4 CONSTRUCT 5.5" AC OVER 18" TYPE II AGGREGATE BASE (95% COMPACTION) OVER A COMPACTED SUBGRADE OF 12" (90% COMPACTION).
- 5 PROPOSED DISABLED RAMP.
- 6 PROPOSED 6.0' HIGH WROUGHT IRON FENCE.
- 7 CONSTRUCT 3" AC OVER 11" TYPE II AGGREGATE BASE (95% COMPACTION) OVER A COMPACTED SUBGRADE OF 12" (90% COMPACTION).
- 8 2" GRIND & OVERLAY OFFSITE RIGHT OF WAY ASPHALT PAVEMENT.

**EARTHWORK CALCULATIONS:**

GROSS CUTTING QUANTITY	: 1,925 CY
NET CUTTING QUANTITY (AFTER SHRINKAGE)	: 1925/1.10 = 1,750 CY
FILLING CUTTING QUANTITY	: 1,732 CY
EXPORT QUANTITY	: 18 CY

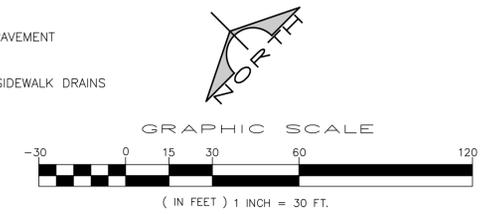
**OFFSITE IMPROVEMENTS NOTE:**

STREET IMPROVEMENT IS TO BE DONE AS PER APPROVED PLANS--THE VINES AT GREENFIELD TRACT NO. 1525"



**LEGEND:**

- PROPERTY LINE
- CENTER LINE
- (P) GRADE BREAK
- (P) SAW CUT LINE
- (P) FENCE
- (P) CURB GUTTER AND SIDEWALK
- (P) OFF-SITE STREET LIGHT
- (P) STREET IMPROVEMENTS
- (P) BIO-RETENTION AREA
- (P) 2" GRIND & OVERLAY ASPHALT PAVEMENT
- (P) 3.0' WIDE CONC. SWALE
- (P) ROOF OVERFLOW & UNDER SIDEWALK DRAINS
- (E) EASEMENT LINE
- (E) EDGE OF PAVEMENT
- (E) POWER POLE
- (E) FENCE
- (E) CONTOUR ELEVATION



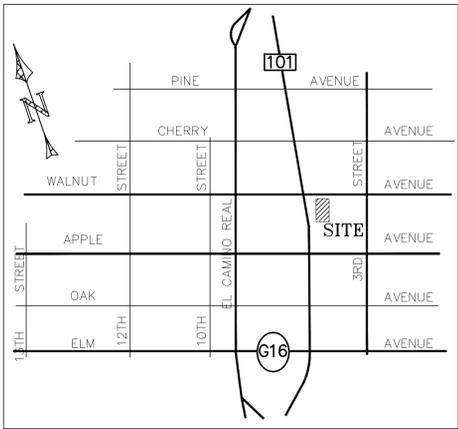
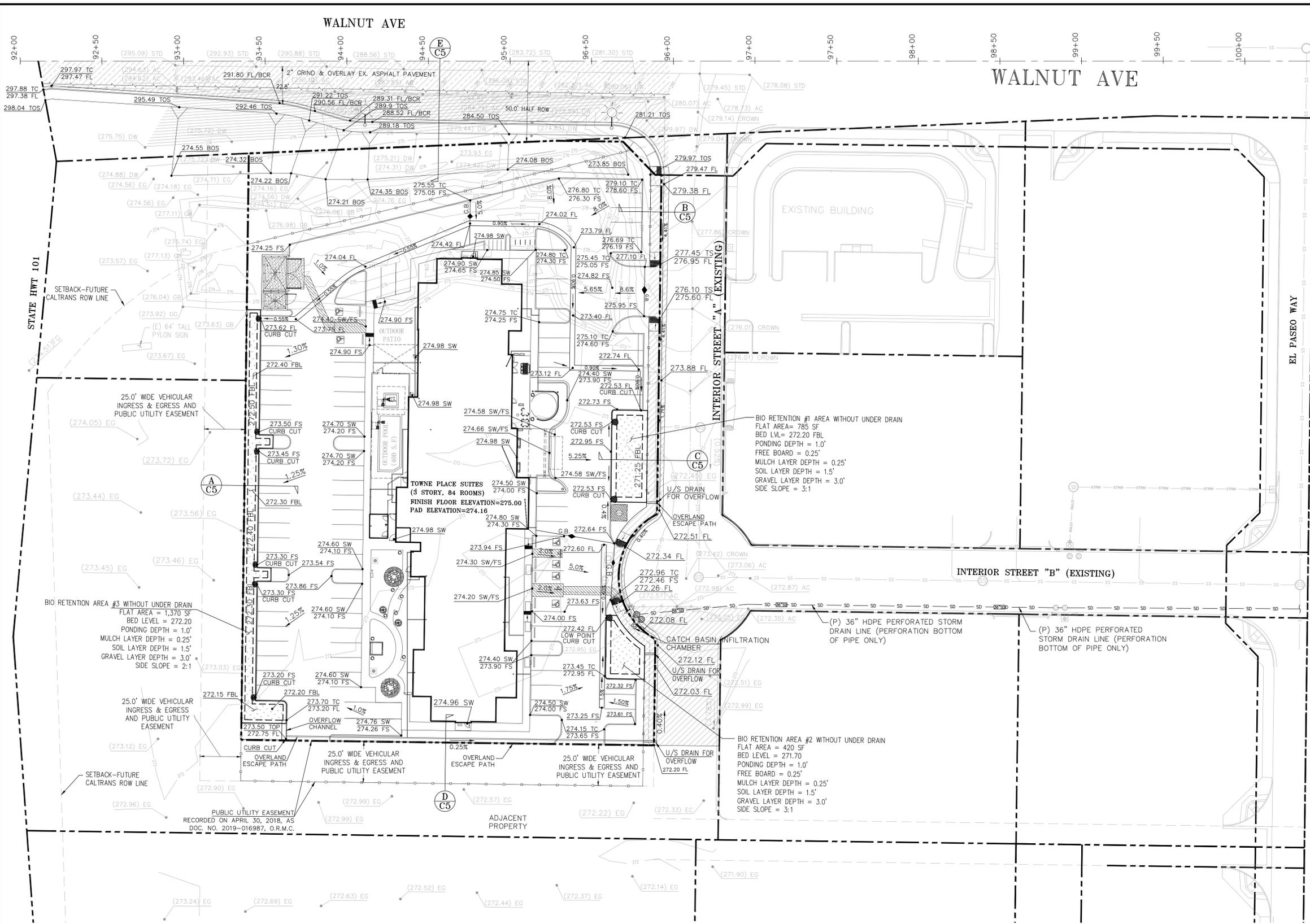
REVISIONS:	DATE

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Land Planning • Civil Engineering • Architectural Design • Structural Engineering

**CIVIL SITE PLAN**  
TOWNE PLACE SUITES  
379 WALNUT AVENUE  
GREENFIELD, CA 93927

DATE: 05/10/2023  
JOB: 18-15  
DWG. BY: AK  
CHK. BY: JS

**C2**  
SHEET  
02 OF 09



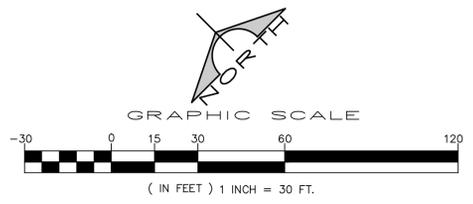
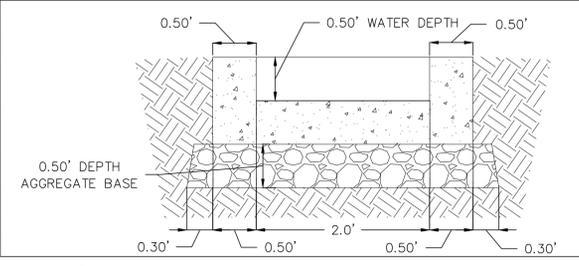
**LEGEND:**

	PROPERTY LINE
	CENTER LINE
	GRADE BREAK
	(P) FENCE
	(P) STREET IMPROVEMENTS
	(P) BIO-RETENTION AREA
	2" GRIND & OVERLAY ASPHALT PAVEMENT
	(P) SAW CUT LINE
	(P) CURB GUTTER AND SIDEWALK
	(P) 3.0' WIDE CONC. SWALE
	(P) ROOF OVERFLOW & UNDER SIDEWALK DRAINS
	(P) OFF-SITE STREET LIGHT
	270.40 FF (P) FINISHED FLOOR ELEVATION
	270.40 TC (P) TOP OF CURB ELEVATION
	270.40 FL (P) FLOW LINE ELEVATION
	270.40 FS (P) FINISHED SURFACE ELEVATION
	270.40 FG (P) FINISHED GRADE ELEVATION
	270.40 FBL (P) FLAT BED LEVEL
	CG & SW (P) CURB GUTTER AND SIDEWALK
	270.40 EP (E) EDGE OF PAVEMENT ELEVATION
	270.40 FL (E) FLOW LINE ELEVATION
	270.40 FG (E) FINISH GRADE ELEVATION
	270.40 CL (E) CENTER LINE ELEVATION
	270.40 TC (E) TOP OF CURB ELEVATION
	(E) EDGE OF PAVEMENT
	(E) POWER POLE
	(E) FENCE
	(E) CONTOUR ELEVATION
	286.09 STD (E) STRIPING DOUBLE
	287.89 AC (E) ASPHALT CONCRETE ELEVATION
	275.75 DW (E) DRIVEWAY ELEVATION
	273.03 EG (E) EDGE OF PAVEMENT ELEVATION
	276.08 GB (E) GRADE BREAK

**OFFSITE IMPROVEMENTS NOTE:**  
STREET IMPROVEMENT IS TO BE DONE AS PER APPROVED PLANS—"THE VINES AT GREENFIELD TRACT NO. 1525"

**EARTHWORK CALCULATIONS:**

GROSS CUTTING QUANTITY	: 1,925 CY
NET CUTTING QUANTITY (AFTER SHRINKAGE)	: 1925/1.10 = 1,750 CY
FILLING CUTTING QUANTITY	: 1,732 CY
EXPORT QUANTITY	: 18 CY



REVISIONS: REVISION ISSUE DATED

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Land Planning • Civil Engineering • Architectural Design • Structural Engineering

**GRADING PLAN**  
TOWNE PLACE SUITES  
379 WALNUT AVENUE  
GREENFIELD, CA 93927

TITLE PROJECT

DATE: 05/10/2023  
JOB: 18-15  
DWG. BY: AK  
CHK. BY: JS

C2.1  
SHEET 03 OF 09

WALNUT AVE

WALNUT AVE

STATE HWT 101

THE STREET IMPROVEMENT IS TO BE DONE PER APPROVED PLANS - "THE VINES AT GREENFIELD TRACT NO. 1525"

25.0' WIDE VEHICULAR INGRESS & EGRESS AND PUBLIC UTILITY EASEMENT

SETBACK-FUTURE CALTRANS ROW LINE

SETBACK-FUTURE CALTRANS ROW LINE

25.0' WIDE VEHICULAR INGRESS & EGRESS AND PUBLIC UTILITY EASEMENT

SETBACK-FUTURE CALTRANS ROW LINE

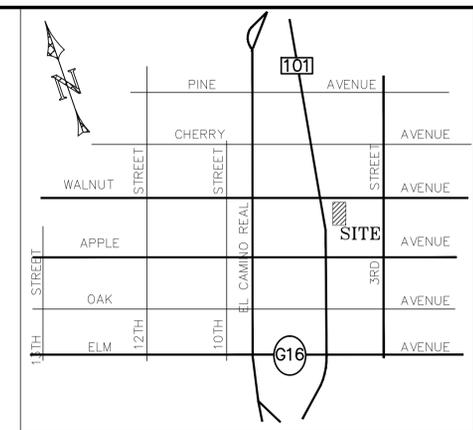
CONSTRUCTION NOTES:

- 1 PROPOSED 8"x6"x8" TEE.
- 2 PROPOSED 6" UL LISTED, SINGLE PIECE CORROSION-RESISTANT STAINLESS STEEL RISER.
- 3 CONNECT 6" PROPOSED SEWER LATERAL TO EXISTING OFFSITE SEWER MANHOLE.
- 4 PROPOSED 3" DOMESTIC WATER METER.
- 5 PROPOSED 6" PVC SDR-35 SEWER LATERAL LINE.
- 6 PROPOSED 3"x1"x3" TEE.
- 7 PROPOSED 6" GATE VALVE.
- 8 PROPOSED 1" COPPER TYPE-K IRRIGATION WATER LINE.
- 9 PROPOSED 1" IRRIGATION WATER METER.
- 10 PROPOSED 3" RPPA FOR DOMESTIC WATER LINE.
- 11 PROPOSED 8" DCA.
- 12 TRENCH BACKFILL AND SURFACE RESTORATION.
- 13 PROPOSED 8" FIRE WATER LINE CONNECTION WITH EXISTING 12" WATER MAIN.
- 14 PROPOSED 6" SEWER CLEAN OUT.
- 15 PROPOSED 3" PVC SCH. 40 DOMESTIC WATER LINE.
- 16 PROPOSED 6" PVC DR-18 FIRE WATER LINE CONFORMING TO AWWA C-900.
- 17 PROPOSED ONSITE FIRE HYDRANT.
- 18 PROPOSED 8" 45' BEND.
- 19 PROPOSED 4" PVC SDR-35 SEWER LINE.
- 20 PLUG-IN THE EXISTING WATER STUB.
- 21 PROPOSED 3" DOMESTIC WATER LINE CONNECTION TO EXISTING 12" WATER MAIN.
- 22 PROPOSED 8" PVC DR-18 FIRE WATER LINE CONFORMING TO AWWA C-900.
- 23 PLUG-IN THE EXISTING 4" SEWER LATERAL.
- 24 PROPOSED 8" 90' BEND.
- 25 PROPOSED THRUST BLOCK.

- 26 PROPOSED 8" 11.5' BEND.
- 27 PROPOSED 3/4" PVC SCH80 COLD WATER LINE TO HOSE BIB FROM BUILDING.
- 28 PROPOSED OFFSITE STREET LIGHT PER CITY OF SALINAS STANDARD PLAN NO. 52 ON C6 SHEET.
- 29 PROPOSED 3" 90' BEND.
- 30 PROPOSED 1" RPPA FOR IRRIGATION WATER LINE.
- 31 PROPOSED 8" GATE VALVE.
- 32 PROPOSED 3" GATE VALVE.
- 33 PROPOSED 4" SEWER CLEAN OUT.
- 34 PROPOSED 6" DUCTILE IRON CLASS 350 FIRE WATER LINE.
- 35 PROPOSED 6" CHECK VALVE.
- 36 PROPOSED 6" 90' BEND.
- 37 PROPOSED 8"x8"x8" TEE.
- 38 PROPOSED 3,0"x3,0" CATCH BASIN/INFILTRATION CHAMBER #5 PER PLATE 1, ON C6 SHEET.
- 39 PROPOSED 36" HDPE PERFORATED STORM DRAIN LINE, PERFORATION BOTTOM OF PIPE ONLY.
- 40 PROPOSED PUBLIC FIRE HYDRANT.
- 41 PROPOSED 6" FIRE WATER LINE CONNECTION WITH EXISTING 12" WATER MAIN.
- 42 PROPOSED 3/4" 45' BEND.

GENERAL NOTES

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13. THE FOLLOWING CITY OF GREENFIELD, CITY OF SALINAS, AND CITY OF SANTA MARIA STANDARD DETAILS, CURRENT EDITION, APPLY TO THESE PLANS:
  - WATER STANDARD PLANS/DETAILS
  - STANDARD PLAN-33 FIRE HYDRANT LOCATION (CITY OF SALINAS)
  - STANDARD PLAN-34 FIRE HYDRANT CONSTRUCTION (CITY OF SALINAS)
  - STANDARD PLAN-35 VALVE BOX INSTALLATION (CITY OF SALINAS)
  - STANDARD DRAWING RD-33 TRENCH REPAIR DETAIL (CITY OF SANTA MARIA)
  - DETAIL 1 WATER SERVICE
  - DETAIL 2 THRUST BLOCK DETAILS



VICINITY MAP: N.T.S.

2 WORKING DAY BEFORE YOU DIG 811 CALL '8-1-1' UNDERGROUND SERVICE ALERT



AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.

LEGENDS:

- PROPERTY LINE
- CENTER LINE
- (P) FIRE LINE
- (W) WATER LINE
- (P) POST INDICATIVE VALVE
- (P) FIRE DEPARTMENT CONNECTION
- (S) SEWER LINE
- (P) ROOF OVERFLOW & UNDER SIDEWALK DRAINS
- (H) FIRE HYDRANT
- (SD) STORM DRAIN
- (P) WATER VALVE
- (P) CLEANOUT
- (P) CIRCULAR RISER
- (P) MANHOLE
- (P) TEE
- (P) OFF-SITE STREET LIGHT
- (WTR) WATER LINE
- (SS) SANITARY SEWER LINE
- (E) WATER VALVE
- (E) FIRE HYDRANT
- (E) STREET LIGHT
- (E) STORM DRAIN CATCH BASIN

FIRE FLOW CALCULATIONS

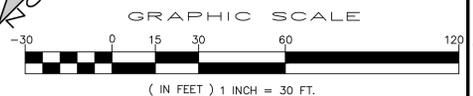
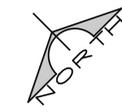
FIRE FLOW REQUIREMENTS IS 2,000 GALLONS (REDUCED 50% DUE TO FULLY SPRINKLERED BUILDING) PER MINUTE AT 20PSI RESIDUAL PRESSURE.

BASED ON:

SQUARE FOOTAGE OF BUILDING	48,476 SQFT
BUILDING HEIGHT	43'-2"
NUMBER OF STORIES	3 FLOORS
TYPE OF CONSTRUCTION	V-A
OCCUPANCY	R-1
FULL AUTOMATIC FIRE SPRINKLER SYSTEM	YES

APPROVED FOR CONSTRUCTION

BY: APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR MONTEREY COUNTY LAWS. FIRE FLOW 2,000 GPM AT 20 P.S.I. RESIDUAL



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UTILITY PLAN  
 TOWNE PLACE SUITES  
 379 WALNUT AVENUE  
 GREENFIELD, CA 93927

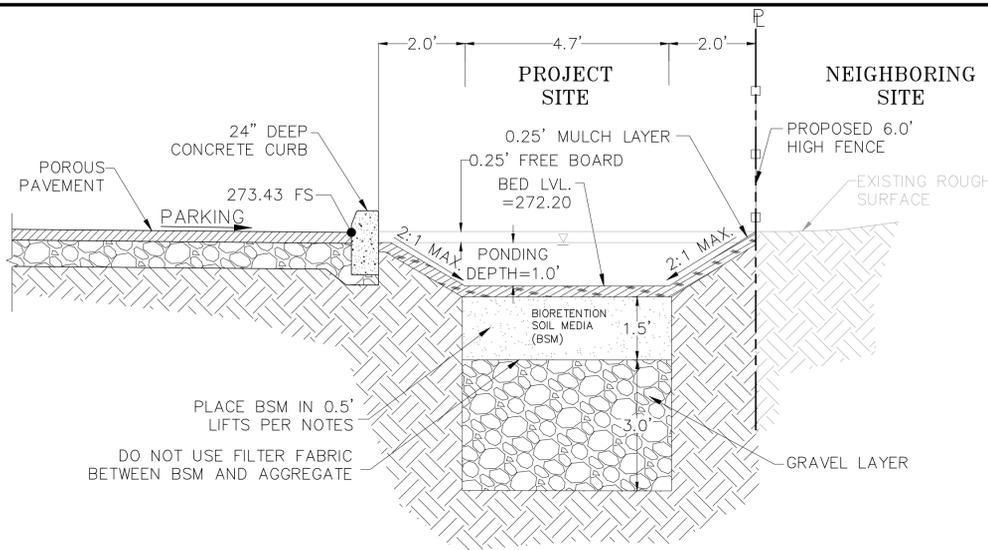
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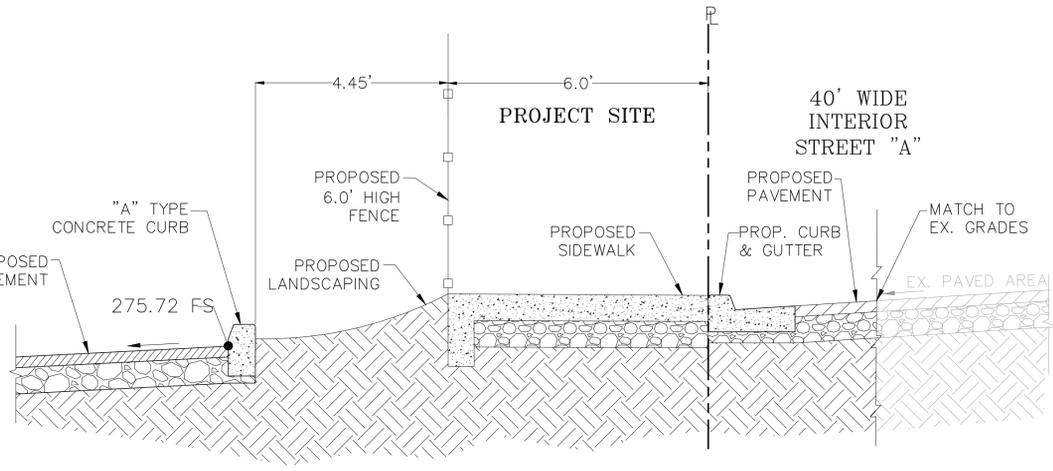
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 JOB: 18-15  
 DWG. BY: AK  
 CHK. BY: JS

C3  
 SHEET 04 OF 09

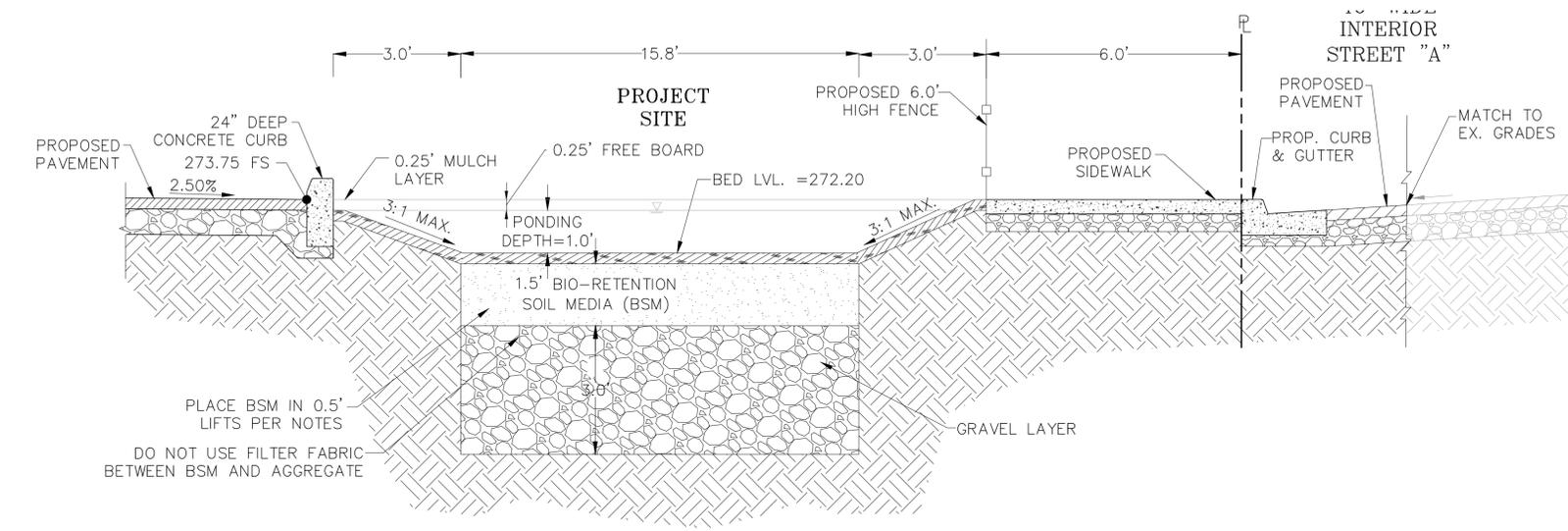




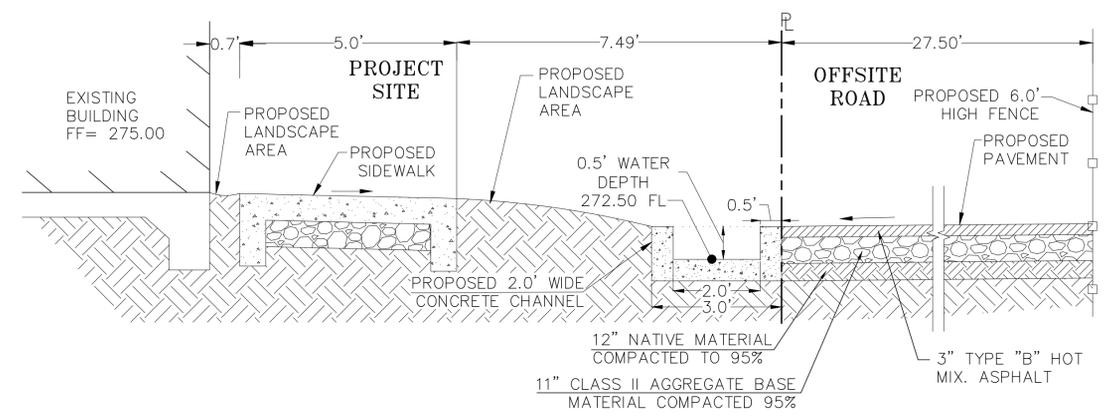
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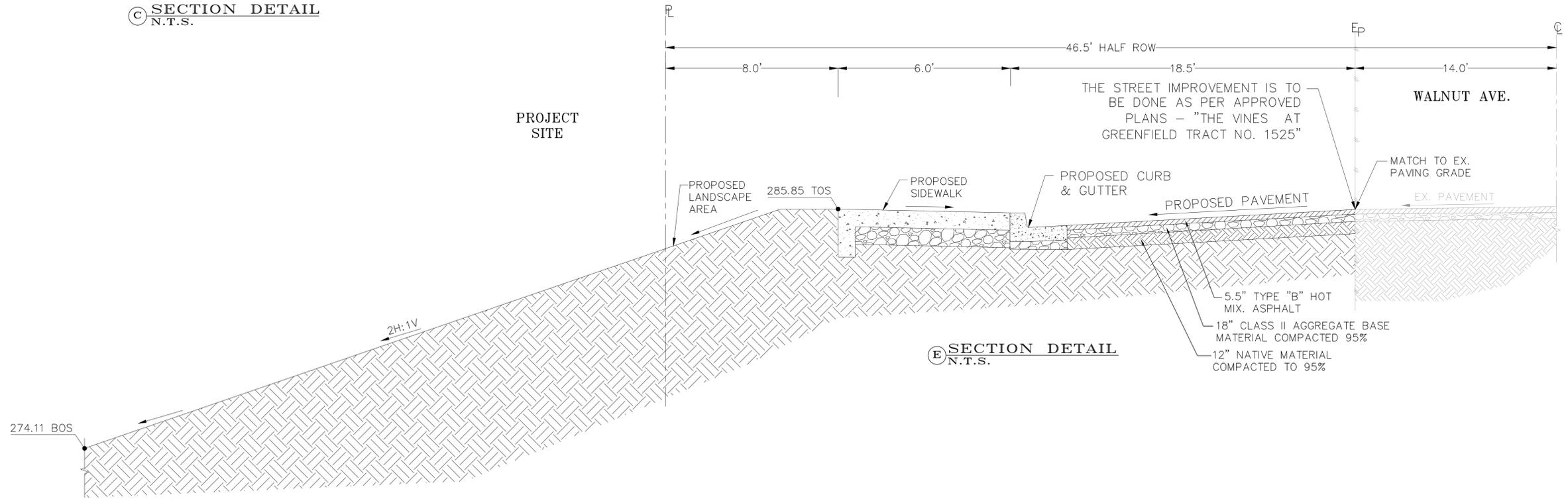
**(B) SECTION DETAIL**  
N.T.S.



**(C) SECTION DETAIL**  
N.T.S.



**(D) SECTION DETAIL**  
N.T.S.



**(E) SECTION DETAIL**  
N.T.S.

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**GRADING SECTIONS**  
 TOWNE PLACE SUITES  
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 GREENFIELD, CA 93927

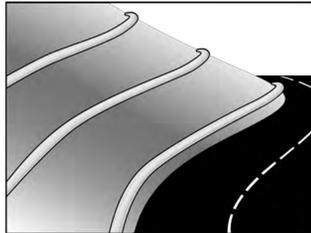
TITLE PROJECT  
 PROFESSIONAL ENGINEER-STATE OF CALIFORNIA  
 DATE 05/10/2023  
 No. 56924 WINDY

DATE: 05/10/2023  
 JOB: 18-15  
 DWG. BY: AK  
 CHK. BY: JS

**C5**  
 SHEET  
 06 OF 09

### Fiber Rolls

### SE-5



#### Categories

- EC Erosion Control
- SE Sediment Control
- TC Tracking Control
- WE Wind Erosion Control
- NS Non-Stormwater Management Control
- WM Waste Management and Materials Pollution Control

- Legend:**  
 Primary Category  
 Secondary Category

#### Targeted Constituents

- Sediment
- Nutrients
- Trash
- Metals
- Bacteria
- Oil and Grease
- Organics

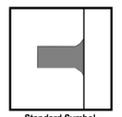
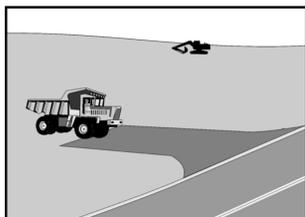
#### Potential Alternatives

- SE-1 Silt Fence
- SE-6 Gravel Bag Berm
- SE-8 Sandbag Barrier
- SE-12 Manufactured Linear Sediment Controls
- SE-14 Baffle Bags

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### Stabilized Construction Entrance/Exit TC-1



#### Standard Symbol

- BMP Objectives**
- Soil Stabilization
  - Sediment Control
  - Tracking Control
  - Wind Erosion Control
  - Non-Storm Water Management
  - Materials and Waste Management

**Definition and Purpose**  
 A stabilized construction access is defined by a point of entrance/exit to a construction site that is stabilized to reduce the tracking of mud and dirt onto public roads by construction vehicles.

- Appropriate Applications**
- Use at construction sites:
    - Where dirt or mud can be tracked onto public roads.
    - Adjacent to water bodies.
    - Where poor soils are encountered.
    - Where dust is a problem during dry weather conditions.

- This BMP may be implemented on a project-by-project basis in addition to other BMPs when determined necessary and feasible by the Resident Engineer (RE).

- Site conditions will dictate design and need.

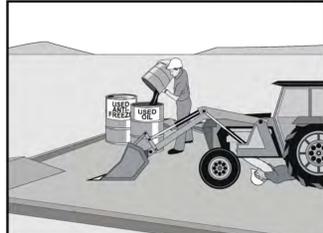
- Limit the points of entrance/exit to the construction site.
- Limit speed of vehicles to control dust.

- Properly grade each construction entrance/exit to prevent runoff from leaving the construction site.

- Route runoff from stabilized entrances/exits through a sediment-trapping device before discharge.

- Design stabilized entrance/exit to support the heaviest vehicles and equipment that will use it.

### Vehicle & Equipment Maintenance NS-10



#### Categories

- EC Erosion Control
- SE Sediment Control
- TC Tracking Control
- WE Wind Erosion Control
- NS Non-Stormwater Management Control
- WM Waste Management and Materials Pollution Control

- Legend:**  
 Primary Objective  
 Secondary Objective

#### Targeted Constituents

- Sediment
- Nutrients
- Trash
- Metals
- Bacteria
- Oil and Grease
- Organics

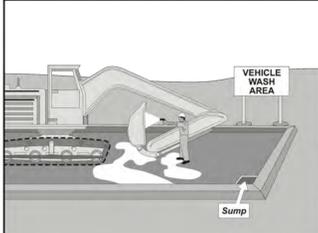
#### Potential Alternatives

- None

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### Vehicle and Equipment Cleaning NS-8



#### Categories

- EC Erosion Control
- SE Sediment Control
- TC Tracking Control
- WE Wind Erosion Control
- NS Non-Stormwater Management Control
- WM Waste Management and Materials Pollution Control

- Legend:**  
 Primary Objective  
 Secondary Objective

#### Targeted Constituents

- Sediment
- Nutrients
- Trash
- Metals
- Bacteria
- Oil and Grease
- Organics

#### Potential Alternatives

- None

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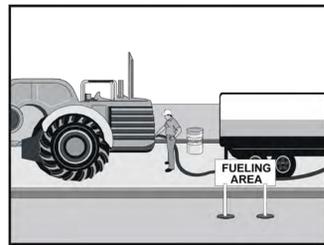
**CATCH BASIN W/ INFILTRATION CHAMBER**  
 NOT TO SCALE  
 PLATE NO. 1

SIZING TABLE						
CATCH BASIN	CURS	CHAMBER	INFILTRATION	NO. OF CHAMBERS	CHAMBER ALIGNMENT	CHAMBER
1	8.00 FT	8.00 FT	8.00 FT	2	PERPENDICULAR	IN-LINE
2	8.00 FT	7.00 FT	8.00 FT	3	IN-LINE	PERPENDICULAR
3	3.00 FT	6.00 FT	6.00 FT	2	PERPENDICULAR	IN-LINE
4	3.00 FT	12.00 FT	4.00 FT	2	PERPENDICULAR	IN-LINE
5	3.00 FT	12.00 FT	4.00 FT	2	IN-LINE	PERPENDICULAR
6	4.00 FT	12.00 FT	4.00 FT	2	IN-LINE	IN-LINE

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### Vehicle and Equipment Fueling NS-9



#### Categories

- EC Erosion Control
- SE Sediment Control
- TC Tracking Control
- WE Wind Erosion Control
- NS Non-Stormwater Management Control
- WM Waste Management and Materials Pollution Control

- Legend:**  
 Primary Objective  
 Secondary Objective

#### Targeted Constituents

- Sediment
- Nutrients
- Trash
- Metals
- Bacteria
- Oil and Grease
- Organics

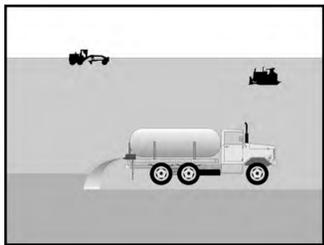
#### Potential Alternatives

- None

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### Wind Erosion Control WE-1



#### Categories

- EC Erosion Control
- SE Sediment Control
- TC Tracking Control
- WE Wind Erosion Control
- NS Non-Stormwater Management Control
- WM Waste Management and Materials Pollution Control

- Legend:**  
 Primary Category  
 Secondary Category

#### Targeted Constituents

- Sediment
- Nutrients
- Trash
- Metals
- Bacteria
- Oil and Grease
- Organics

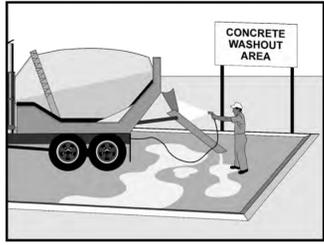
#### Potential Alternatives

- EC-5 Soil Binders

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### Concrete Waste Management WM-8



#### Categories

- EC Erosion Control
- SE Sediment Control
- TC Tracking Control
- WE Wind Erosion Control
- NS Non-Stormwater Management Control
- WM Waste Management and Materials Pollution Control

- Legend:**  
 Primary Category  
 Secondary Category

#### Targeted Constituents

- Sediment
- Nutrients
- Trash
- Metals
- Bacteria
- Oil and Grease
- Organics

#### Potential Alternatives

- None

**Description and Purpose**  
 Prevent the discharge of pollutants to stormwater from concrete waste by conducting washout onsite or offsite in a designated area, and by employee and subcontractor training.

The General Permit incorporates Numeric Effluent Limits (NEL) and Numeric Action Levels (NAL) for pH (see Section 2 of this handbook to determine your project's risk level and if you are subject to these requirements).

Many types of construction materials, including mortar, concrete, stucco, cement and block and their associated wastes have basic chemical properties that can raise pH levels outside of the permitted range. Additional care should be taken when managing these materials to prevent them from coming into contact with stormwater flows and raising pH to levels outside the accepted range.

**Suitable Applications**  
 Concrete waste management procedures and practices are implemented on construction projects where:

- Concrete is used as a construction material or where concrete dust and debris result from demolition activities.
- Slurries containing portland cement concrete (PCC) are generated, such as from saw cutting, coring, grinding, grooving, and hydro-concrete demolition.



**STREET LIGHT POLE AND NUMBER LOCATION**  
 STANDARD PLAN  
**52**

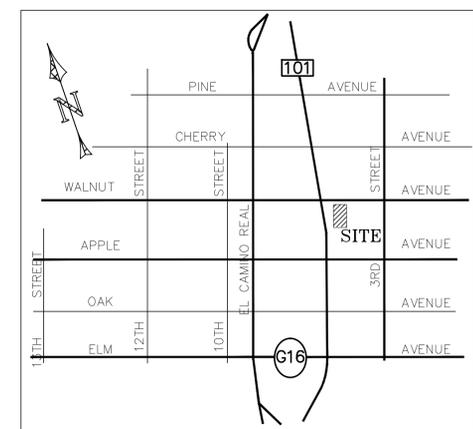
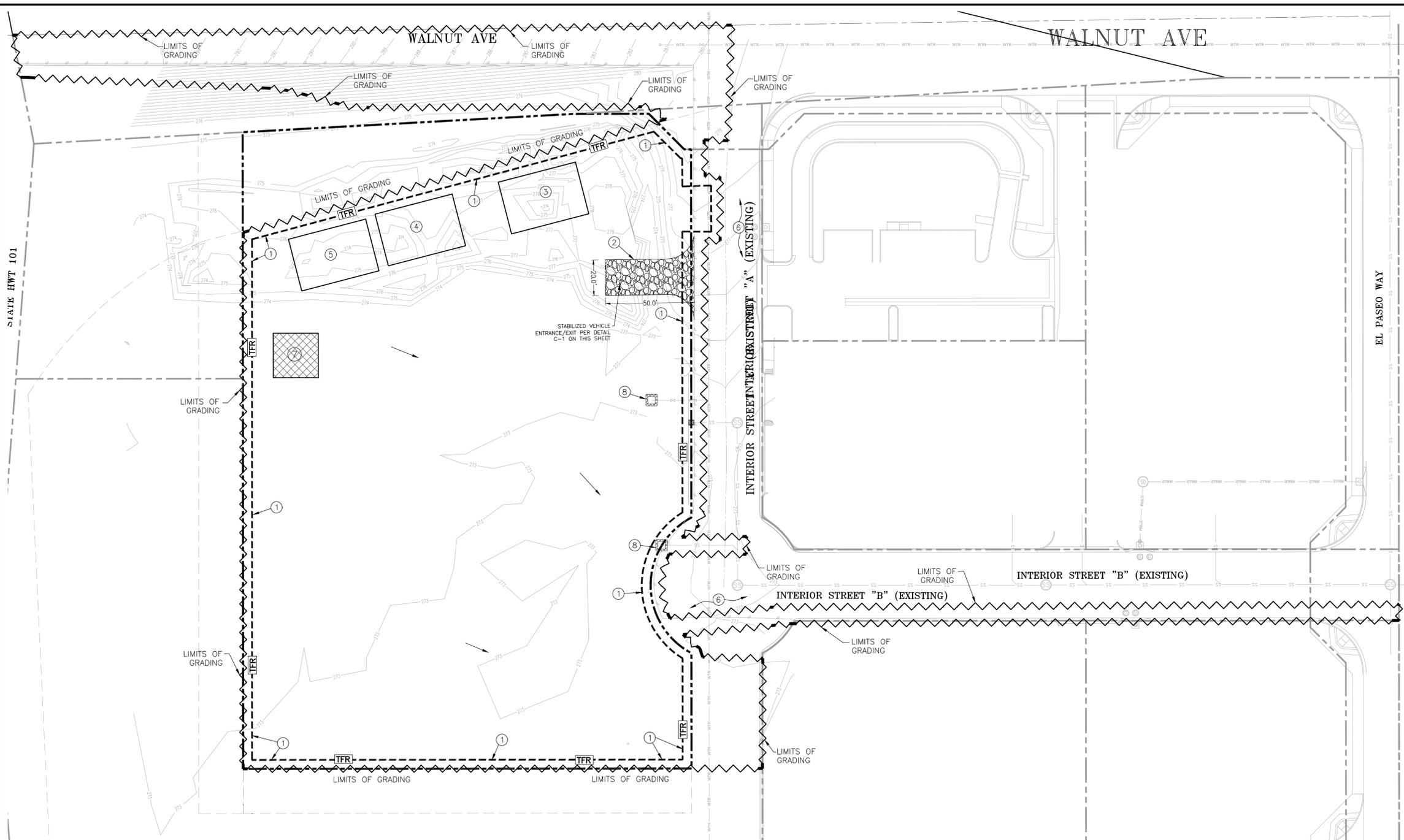
DESIGNED BY: STW  
 DATE: 10/21/2008  
 CAD BY: STW  
 PROJECT MANAGER: FRANK A. AGUIAR, P.E.  
 ROBERT C. RUSSELL, CITY ENGINEER  
 R.C.E. 42971, EXPIRES 3-31-2010

DEVELOPMENT & ENGINEERING SERVICES DEPARTMENT  
 CITY OF SALINAS  
 TITLE: STREET LIGHT POLE AND NUMBER LOCATION  
 STANDARD PLAN

**DETAILS SHEET**  
 TOWNE PLACE SUITES  
 379 WALNUT AVENUE  
 GREENFIELD, CA 93927

DATE: 05/10/2023  
 JOB: 18-15  
 DWG. BY: AK  
 CHK. BY: JS

**C6**  
 SHEET 7 OF 09



VICINITY MAP:  
N.T.S.

STATE HWT 101

**EROSION AND SEDIMENT CONTROL NOTES**

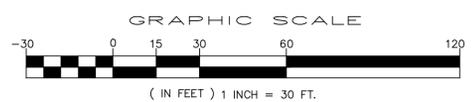
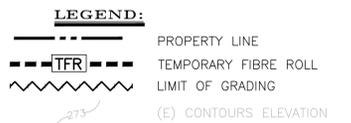
1. CONTRACTOR MUST ENSURE THAT THE CONSTRUCTION SITE IS PREPARED PRIOR TO THE ONSET OF ANY STORM. CONTRACTOR SHALL HAVE ALL EROSION AND SEDIMENT CONTROL MEASURES IN PLACE FOR THE WINTER MONTHS PRIOR TO OCTOBER 1.
2. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED. CHANGES TO THIS EROSION AND SEDIMENT CONTROL PLAN SHALL BE MADE TO MEET FIELD CONDITIONS ONLY WITH THE APPROVAL OF THE ENGINEER.
3. THIS PLAN MAY NOT COVER ALL THE SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. VARIATIONS MAY BE MADE TO THE PLAN IN THE FIELD SUBJECT TO THE APPROVAL OF OR AT THE DIRECTION OF THE ENGINEER.
4. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED BEFORE AND AFTER ALL STORMS TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
5. CONTRACTOR SHALL MAINTAIN A LOG AT THE SITE OF ALL INSPECTIONS OR MAINTENANCE OF BMPs, AS WELL AS, ANY CORRECTIVE CHANGES TO THE BMPs OR EROSION AND SEDIMENT CONTROL PLAN.
6. IN AREAS WHERE SOIL IS EXPOSED, PROMPT REPLANTING WITH NATIVE COMPATIBLE, DROUGHT-RESISTANT VEGETATION SHALL BE PERFORMED. NO AREAS WILL BE LEFT EXPOSED OVER THE WINTER SEASON.
7. THE CONTRACTOR SHALL INSTALL THE STABILIZED CONSTRUCTION ENTRANCE PRIOR TO COMMENCEMENT OF GRADING. LOCATION OF THE ENTRANCE MAY BE ADJUSTED BY THE CONTRACTOR TO FACILITATE GRADING OPERATIONS. ALL CONSTRUCTION TRAFFIC ENTERING THE PAVED ROAD MUST CROSS THE STABILIZED CONSTRUCTION ENTRANCE. THE STABILIZED CONSTRUCTION ENTRANCE SHALL REMAIN IN PLACE UNTIL THE ROAD BASE ROCK COURSE IS COMPLETED.
8. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE SWEEPED AT THE END OF EACH WORKING DAY OR AS NECESSARY.
9. CONTRACTOR SHALL PLACE GRAVEL BAG BARRIERS AROUND ALL NEW DRAINAGE STRUCTURE OPENINGS IMMEDIATELY AFTER THE STRUCTURE OPENING IS CONSTRUCTED. THESE GRAVEL BAG BARRIERS SHALL BE MAINTAINED AND REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED.
10. CONTRACTOR SHALL FOLLOW DUST CONTROL METHODS INCLUDING:
  - A. WATERING THE SOIL OF THE SITE AND THE ADJACENT STREETS BEING USED IN CONNECTION WITH SOIL DISTURBANCE OPERATIONS ON THE SITE;
  - B. COMPLETELY COVER GRAVEL OR ROCK LANDSCAPING UNTIL STABILIZED; AND
  - C. WATER GRASSES AND LANDSCAPING UNTIL STABILIZED.
11. CONTRACTOR SHALL IMPLEMENT HOUSEKEEPING PRACTICES AS FOLLOWS:
  - A. SOLID WASTE MANAGEMENT: PROVIDE DESIGNATED WASTE COLLECTION AREAS AND CONTAINERS. ARRANGE FOR REGULAR REMOVAL AND DISPOSAL. CLEAR SITE OF TRASH INCLUDING ORGANIC DEBRIS, PACKAGING MATERIALS, SCRAP OR SURPLUS BUILDING MATERIALS AND DOMESTIC WASTE DAILY.
  - B. MATERIAL DELIVERY AND STORAGE: PROVIDE A DESIGNATED MATERIAL STORAGE AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. STORE MATERIAL ON PALLETS AND PROVIDE COVERING FOR SOLUBLE MATERIALS. RELOCATE STORAGE AREA INTO BUILDING SHELL WHEN POSSIBLE. INSPECT AREA WEEKLY.
  - C. CONCRETE WASTE: PROVIDE A DESIGNATED AREA FOR A TEMPORARY PIT TO BE USED FOR CONCRETE TRUCK WASH-OUT. DISPOSE OF HARDENED CONCRETE OFFSITE. AT NO TIME SHALL A CONCRETE TRUCK DUMP ITS WASTE AND CLEAN ITS TRUCK INTO THE CITY STORM DRAINS VIA CURB AND GUTTER. INSPECT DAILY TO CONTROL RUNOFF, AND WEEKLY FOR REMOVAL OF HARDENED CONCRETE.
  - D. PAINT AND PAINTING SUPPLIES: PROVIDE INSTRUCTION TO EMPLOYEES AND SUBCONTRACTORS REGARDING REDUCTION OF POLLUTANTS INCLUDING MATERIAL STORAGE, USE, AND CLEAN UP. INSPECT SITE WEEKLY FOR EVIDENCE OF IMPROPER DISPOSAL.

- E. VEHICLE FUELING, MAINTENANCE AND CLEANING: PROVIDE A DESIGNATED FUELING AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. DO NOT ALLOW MOBILE FUELING OF EQUIPMENT. PROVIDE EQUIPMENT WITH DRIP PANS. RESTRICT ON-SITE MAINTENANCE AND CLEANING OF EQUIPMENT TO A MINIMUM. INSPECT AREA WEEKLY.
- F. HAZARDOUS WASTE MANAGEMENT: PREVENT THE DISCHARGE OF POLLUTANTS FROM HAZARDOUS WASTES TO THE DRAINAGE SYSTEM THROUGH PROPER MATERIAL USE, WASTE DISPOSAL AND TRAINING OF EMPLOYEES. HAZARDOUS WASTE PRODUCTS COMMONLY FOUND ON-SITE INCLUDE BUT ARE NOT LIMITED TO PAINTS & SOLVENTS, PETROLEUM PRODUCTS, FERTILIZERS, HERBICIDES & PESTICIDES, SOIL STABILIZATION PRODUCTS, ASPHALT PRODUCTS AND CONCRETE CURING PRODUCTS.
12. ALL STORM WATER DRAINAGE AND SOIL EROSION/TRACK-OUT DURING CONSTRUCTION SHALL BE MITIGATED PER THE 2010 CALIFORNIA GREEN BUILDING CODE:
  - A. OWNER/CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP OF SILT AND MUD ON ADJACENT STREET DUE TO CONSTRUCTION ACTIVITY;
  - B. ALL LINED AND UNLINED DITCHES SHALL BE CHECKED AFTER EACH RAINFALL;
  - C. OWNER/CONTRACTOR SHALL RESTORE ALL EROSION CONTROL DEVICES TO WORKING ORDER TO THE SATISFACTION OF THE COUNTY INSPECTOR AFTER EACH RAINFALL RUN-OFF; AND
  - D. OWNER/CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL MEASURES AS MAY BE REQUIRED BY THE COUNTY DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES WHICH MAY ARISE.

NOTE:-  
REFER DETAILS ON C6 SHEET.

BEST MANAGEMENT PRACTICES		
LOCATION ID	BMP NO.	BMP TITLE
1.	SE-5	FIBER ROLLS
2.	TC-1	STABILIZED CONSTRUCTION ENTRANCE / EXIT
3.	NS-10	VEHICLE AND EQUIPMENT MAINTENANCE
4.	NS-8	VEHICLE AND EQUIPMENT CLEANING
5.	NS-9	VEHICLE AND EQUIPMENT FUELING
6.	WE-1	WIND EROSION CONTROL
7.	WM-8	CONCRETE WASTE MANAGEMENT
8.	-	SEDIMENT CONTROL FOR EXISTING UTILITIES INLETS

REFERENCE: CASQA, CALIFORNIA STORM WATER BMP CONSTRUCTION HANDBOOK, 2009, 2011 & 2012



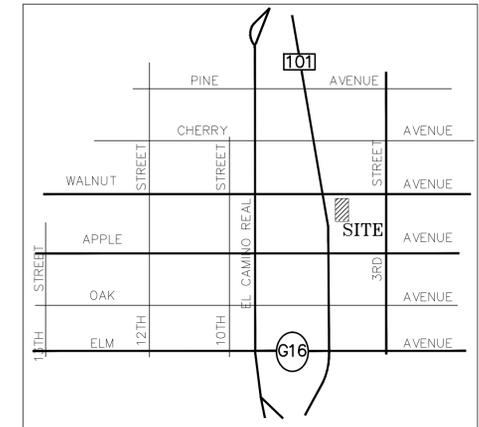
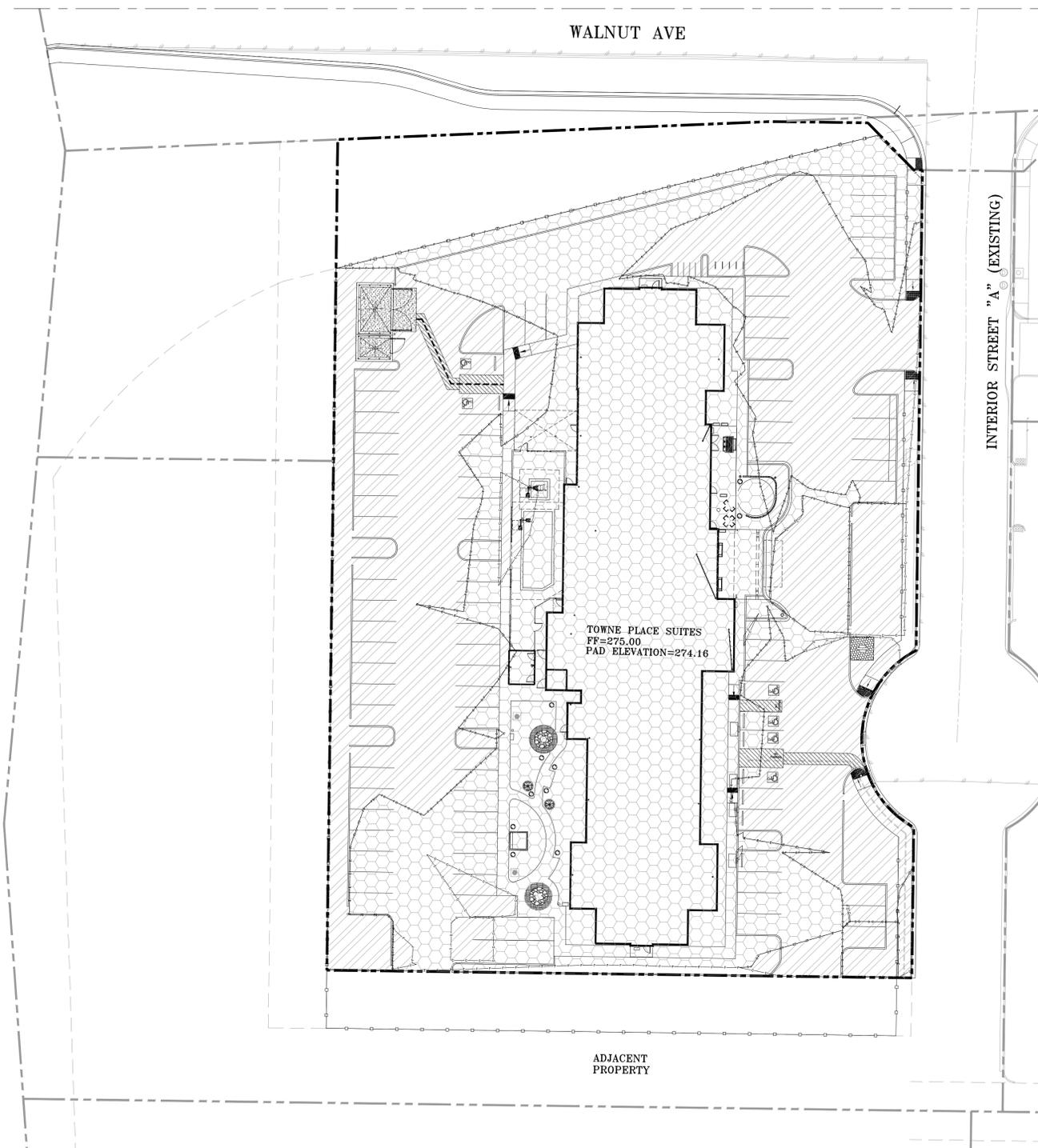
REVISIONS:	REVISION	ISSUE	DATE

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**EROSION CONTROL PLAN**  
 TOWNE PLACE SUITES  
 379 WALNUT AVENUE  
 GREENFIELD, CA 93927

DATE: 05/10/2023  
 JOB: 18-15  
 DWG. BY: LS  
 CHK. BY: JS

**C7**  
 SHEET  
 08 OF 09



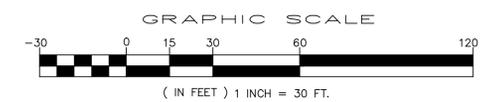
VICINITY MAP:  
N.T.S.

**EARTHWORK CALCULATIONS:**

GROSS CUTTING QUANTITY	:	1,925 CY
NET CUTTING QUANTITY (AFTER SHRINKAGE)	:	1925/1.10 = 1,750 CY
FILLING CUTTING QUANTITY	:	1,732 CY
EXPORT QUANTITY	:	18 CY

**LEGEND:**

- PROPERTY LINE
- c- CUTTING CONTOUR
- f- FILLING CONTOUR
- ▨ CUTTING
- ▤ FILLING
- ~273.00~ (E) CONTOUR ELEVATION



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**CUTTING & FILLING PLAN**

TOWNE PLACE SUITES  
379 WALNUT AVENUE  
GREENFIELD, CA 93927

TITLE PROJECT



DATE: 05/10/2023  
JOB: 18-15  
DWG. BY: AK  
CHK. BY: JS

**C8**  
SHEET  
09 OF 09