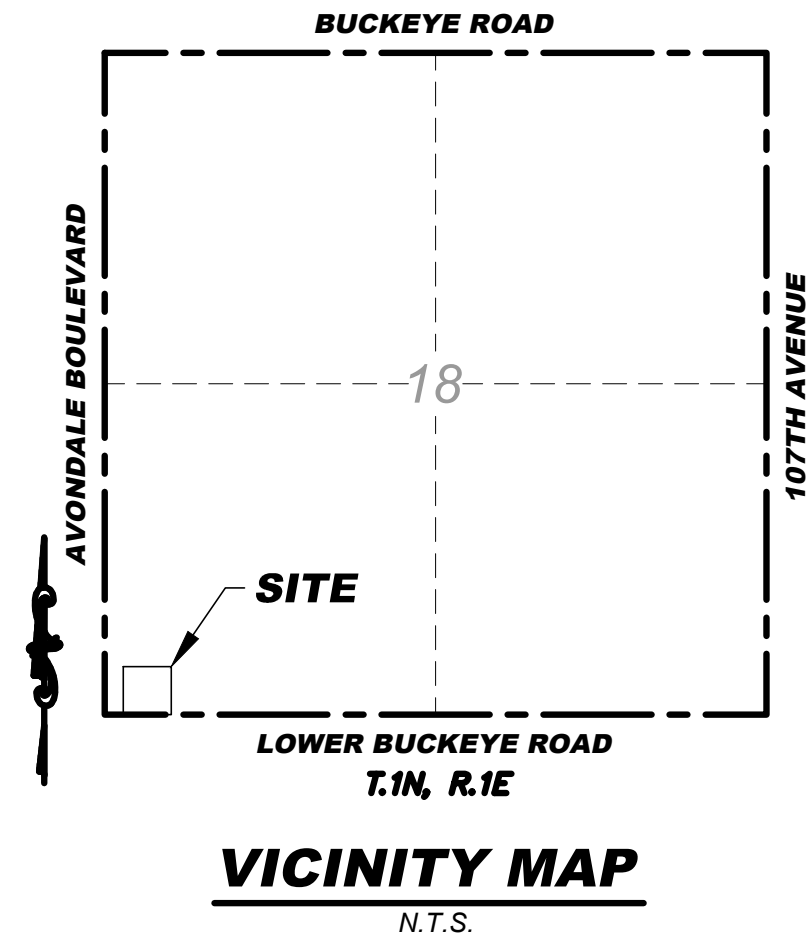
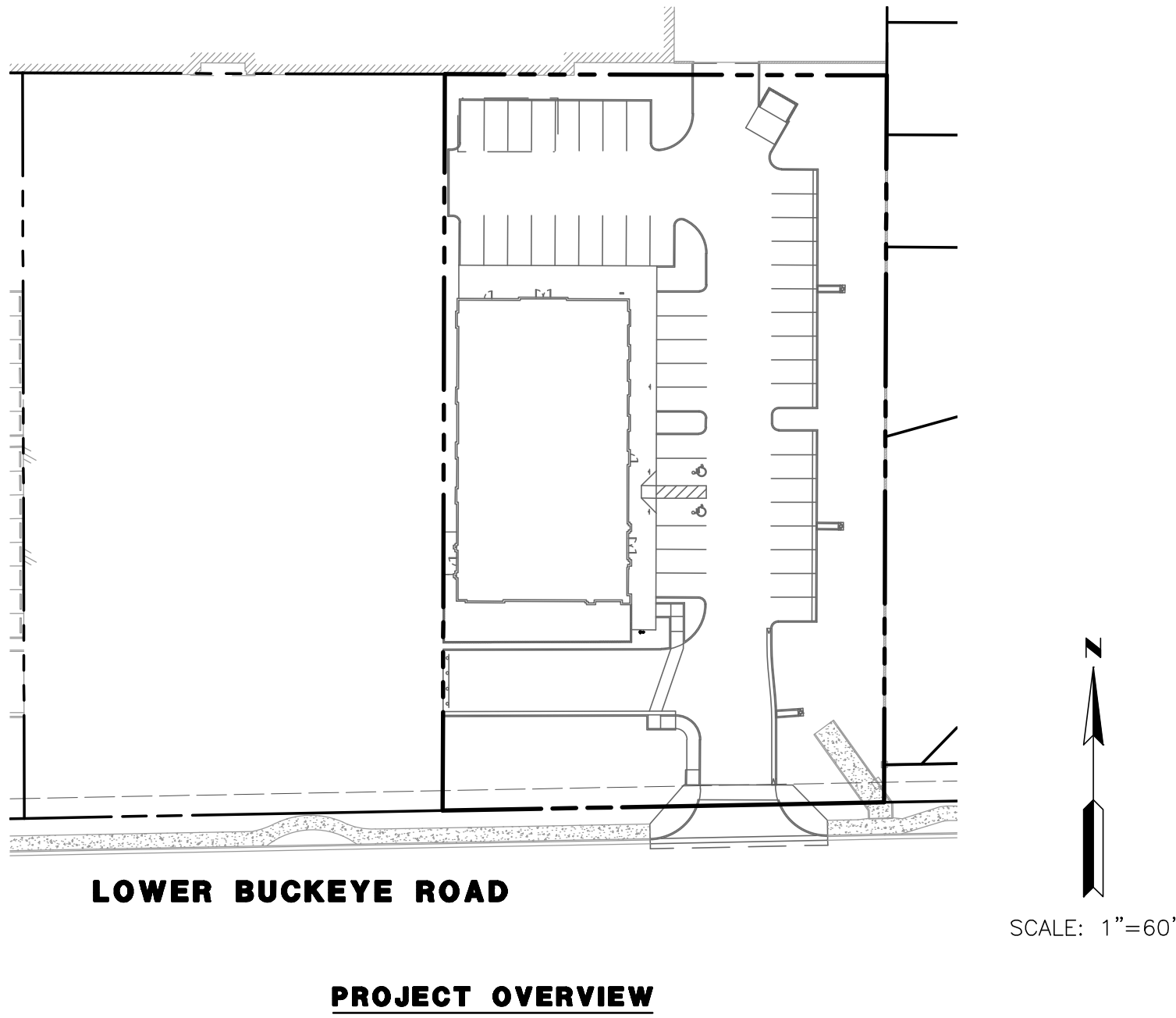


EROSION CONTROL PLAN for  
STARBUCKS AVONDALE LOWER BUCKEYE  
NEC AVONDALE BOULEVARD AND LOWER BUCKEUE ROAD AVONDALE, ARIZONA  
A PORTION SOUTHWEST QUARTER OF SECTION 18, TOWNSHIP 1 NORTH, RANGE 1 EAST OF THE  
GILA AND SALT RIVER MERIDIAN, MARICOPA COUNTY, ARIZONA

EROSION CONTROL PLAN GENERAL NOTES

- Approval of this erosion control plan (ECP) does not constitute an approval of permanent road or drainage design (e.g. size and location of roads, pipes, restrictors, channels, retention facilities, utilities, etc.).
- The implementation of these ECP plans and the construction, maintenance, replacement, and upgrading of these ECP BMPs is the responsibility of the applicant/contractor until all construction is completed and approved and vegetation/landscaping is established..
- If the project is phase the boundaries of the current phase clearing limits shall be shown on this plan and shall be defined in the field prior to construction. Future phases shall be protected and shown on this plan.
- The ECP BMPs shown on this plan must be constructed in conjunction with all cleaning and grading activities, and in such a manner as to insure that sediment and sediment laden water do not enter the drainage system, roadways, or violate applicable water standards.
- The ECP BMPs shown on this plan are the minimum requirements for anticipated site conditions. During the construction period, these ECP BMPs shall be upgraded as needed for unexpected storm events and to ensure that sediment and sediment laden water do not leave the site.
- The ECP BMPs shall be inspected daily by the applicant/contractor and maintained as necessary to ensure their continued functioning.
- The ECP BMPs on inactive sites shall be inspected and maintained a minimum of once a month or within 24 hours following a major storm event.
- At no time shall more than one foot of sediment be allowed to accumulate within a trapped catch basin. All catch basins and conveyance lines shall be cleaned prior to paving. The cleaning operation shall not flush sediment laden water into the downstream system.
- Stabilized construction entrances shall be installed at the beginning of construction and maintained for the duration of the project. Additional measures may be required to ensure that all paved areas are kept clean for the duration of the project.
- A stabilized construction entrance consisting of a minimum of six (6) inches of one (1) inches to three (3) inches diameter, washed, well-graded gravel or crushed rock shall be installed per MCFCD EC-5; all construction traffic shall enter and exit through this entrance. The stabilized construction entrance shall be re-graded or replaced when it becomes saturated or matted with site soils. The paved street adjacent to the site entrance shall be swept on a regular basis to remove any excess mud or dirt tracked out from the site. The cleaning operation shall not flush sediment laden water into the downstream storm water system.
- Any disturbed areas where construction has permanently or temporarily ceased shall be stabilized to prevent erosion. An acceptable stabilization method is hydroseeding. Areas which will be redisturbed within 14 days do not have to be stabilized.
- All storm drain inlets shall be equipped with approved inlet protection per MCFCD SPC-7 or the wattle with geotextile fabric to prevent sedimentation from entering storm drain pipes.
- All storm drain outlets shall have erosion protection velocity-dissipaters or energy dissipaters per MCFCD EC-11 installed immediately after the installation of storm drain pipe to prevent erosion in outlet areas.
- Any sediment which accumulates in the catch basins shall be removed from the catch basins as necessary to maintain a minimum of 75% of the required capacity of the basin during construction and 100% thereafter.
- A copy of the contractor's NOI, ATD, and SWPPP Information Form must be submitted with these plans.
- The contractor shall submit a copy of the NOT to the City at the termination of the project construction.



**OWNER**

814 SERVICES, LLC  
BRADFORD EGAN  
1695 TWELVE MILE ROAD, SUITE 100  
BERKLEY, MICHIGAN 48072  
Phone: 313-530-1456

**ENGINEER**

RICK ENGINEERING COMPANY  
JEFF HUNT, PE  
2401 WEST PEORIA AVENUE, #130  
PHOENIX, ARIZONA 85029  
Phone: 602-957-3350

**CITY OF AVONDALE**

**MAYOR**

MIKE PINEDA

**VICE MAYOR**

CURTIS NIELSON

**CITY MANAGER**

RON CORBIN


**COUNCIL MEMBERS**

MAX WHITE TINA CONDE  
GLORIA SOLORIO JEANETTE GARCIA  
SHARI WEISE

**CITY CLERK**

MARCELLA SARMIENTO

**REVIEWED BY:**

Developed by: **Accela Project Number**  
**EDPR-25-0124** 

Signature: **APPROVED**

THE CITY APPROVES THIS DOCUMENT FOR CONCEPT ONLY AND ACCEPTS NO LIABILITY FOR DESIGN, ERRORS, OR OMISSIONS.

By: Veanette Hanson Date: 8/4/2025

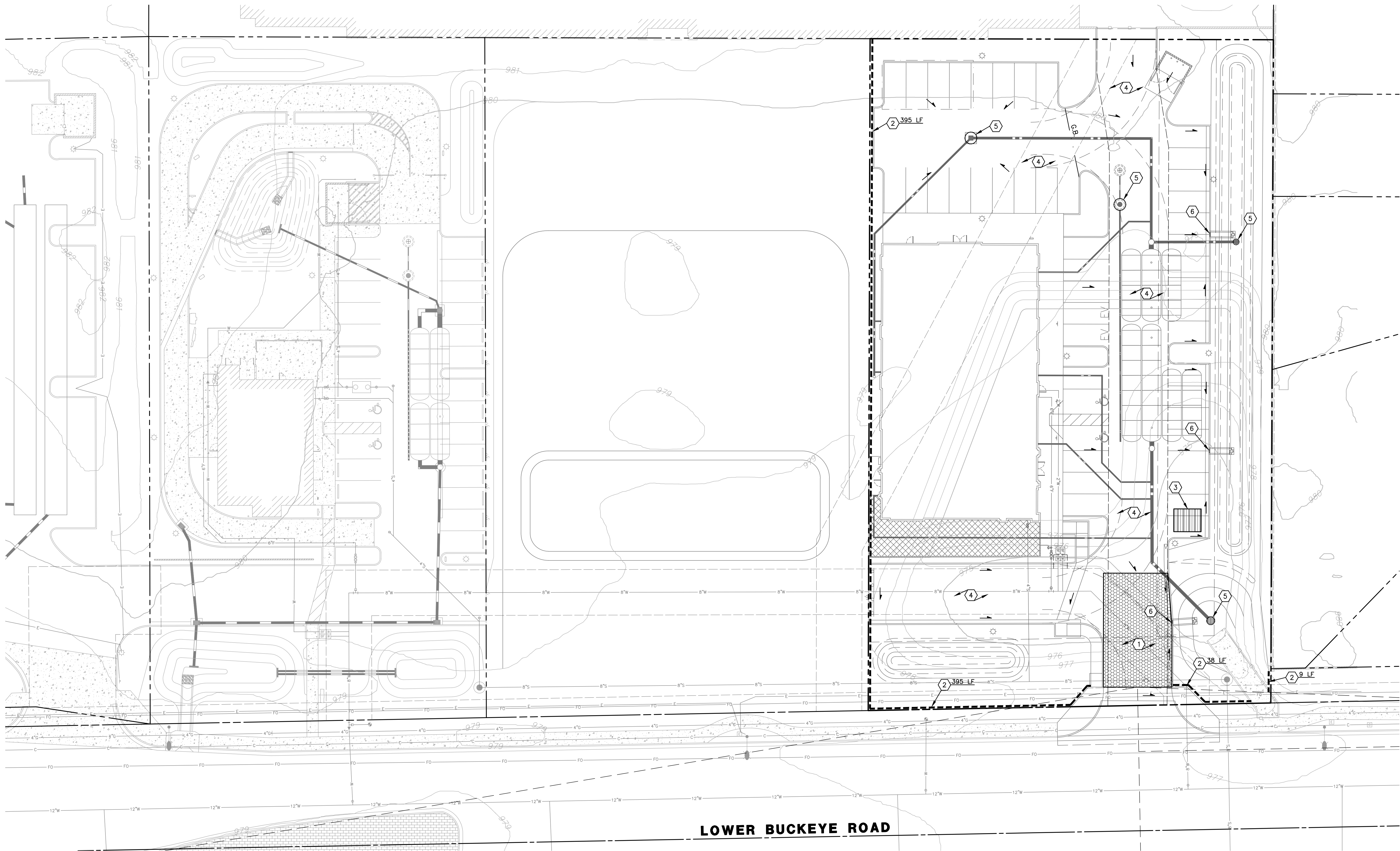
**SHEET INDEX:**

Sheet 1 - Cover Sheet  
Sheet 2 - Erosion & Sediment Control Plan  
Sheet 3 - BMP Details

NOTE:  
ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF AVONDALE CONSTRUCTION SPECIFICATIONS CURRENTLY ON FILE AND AVAILABLE AT THE CITY OF AVONDALE ENGINEERING DEPARTMENT



PROJECT NUMBER	814 SERVICES, LLC
PROJECT NAME	VET CLINIC AVONDALE BUCKEYE
DATE	07/18/2025
PROJECT TYPE	Erosion Control Plan
ORIGINAL PLAN DATE	
LATEST REVISION DATE	
SHEET NUMBER	1 OF 3
PROJECT NUMBER	7291



#### KEYNOTES

- 1 STABILIZED CONSTRUCTION ENTRANCE PER FLOOD CONTROL DISTRICT OF MARICOPA COUNTY EROSION CONTROL MANUAL BMP EC-5.
- 2 SILT FENCE PER FLOOD CONTROL DISTRICT OF MARICOPA COUNTY EROSION CONTROL MANUAL BMP SPC-5.
- 3 DESIGNATED WASH DOWN AREA PER FLOOD CONTROL DISTRICT OF MARICOPA COUNTY EROSION CONTROL MANUAL BMP GH-4.
- 4 DUST CONTROL MEASURES PER FLOOD CONTROL DISTRICT OF MARICOPA COUNTY EROSION CONTROL MANUAL BMP EC-7 UNTIL STABILIZED.
- 5 STORM DRAIN INLET PROTECTION VIA GRAVEL BAG FILTER PER FLOOD CONTROL DISTRICT OF MARICOPA COUNTY EROSION CONTROL MANUAL BMP SPC-7, UNTIL STABILIZED.
- 6 FOAM OR FIBER ROLL BARRIER CURB INLET PROTECTION PER FLOOD CONTROL DISTRICT OF MARICOPA COUNTY EROSION CONTROL MANUAL BMP SPC-7 AND MANUFACTURER RECOMMENDATIONS.

#### BMPs LEGEND

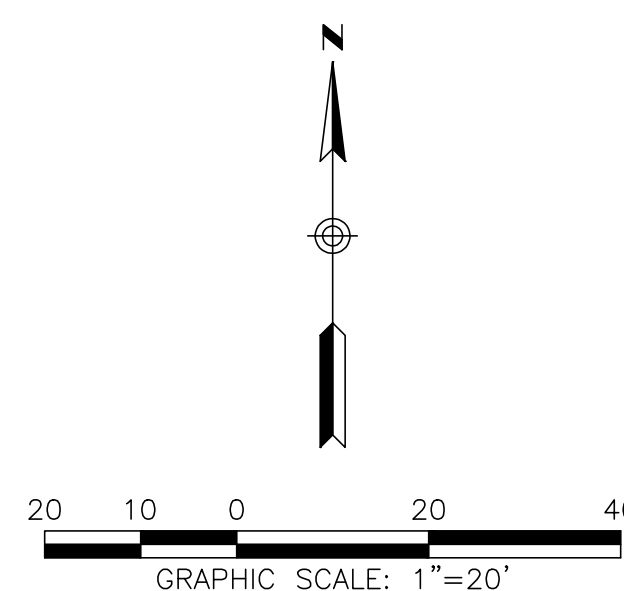
- SILT FENCE PER BMP SPC-5
- STORM DRAIN INLET PROTECTION PER BMP SPC-7
- ▨ DESIGNATED WASH DOWN AREA PER BMP GH-4
- ▤ STABILIZED CONSTRUCTION ENTRANCE PER BMP EC-5
- FLOW ARROW

#### SWPPP GENERAL NOTES

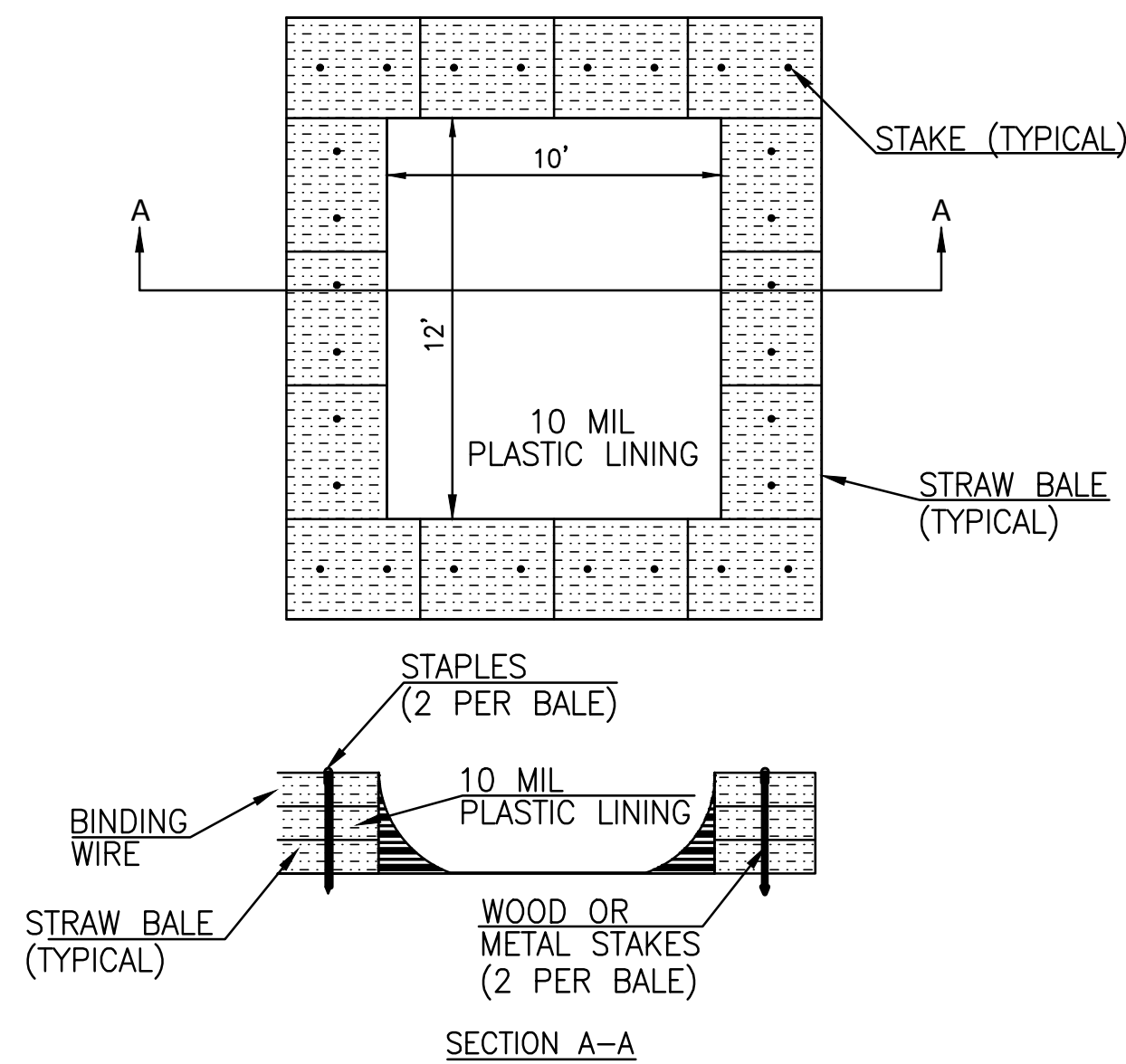
AREA  
TOTAL: 51,788 SF (1.19 AC)  
DISTURBED: 68,608 SF (1.58 AC)

GENERAL CONTRACTOR TO BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING SITE BMPs THROUGH DURATION OF CONSTRUCTION.

REFER TO FCD BMPs GH-1, GH-2, GH-3 AND GH-6. PLACEMENT IS DETERMINED ON-SITE AND MOVED AS NEEDED.



814 SERVICES, LLC		2401 W PEORIA AVE, SUITE 130 PHOENIX, AZ 85025	
VET CLINIC AVONDALE BUCKEYE		602-957-3350 rickengineering.com	
Erosion Control Plan		SAN DIEGO ORANGE RIVERSIDE SACRAMENTO SAN LUIS OBISPO SANTA CLARITA PHOENIX TUCSON LAS VEGAS DENVER	
ORIGINAL PLAN DATE		2018/08/2025	
LATEST REVISION DATE			
SHEET NUMBER		2 OF 3	
PROJECT NUMBER		7291	

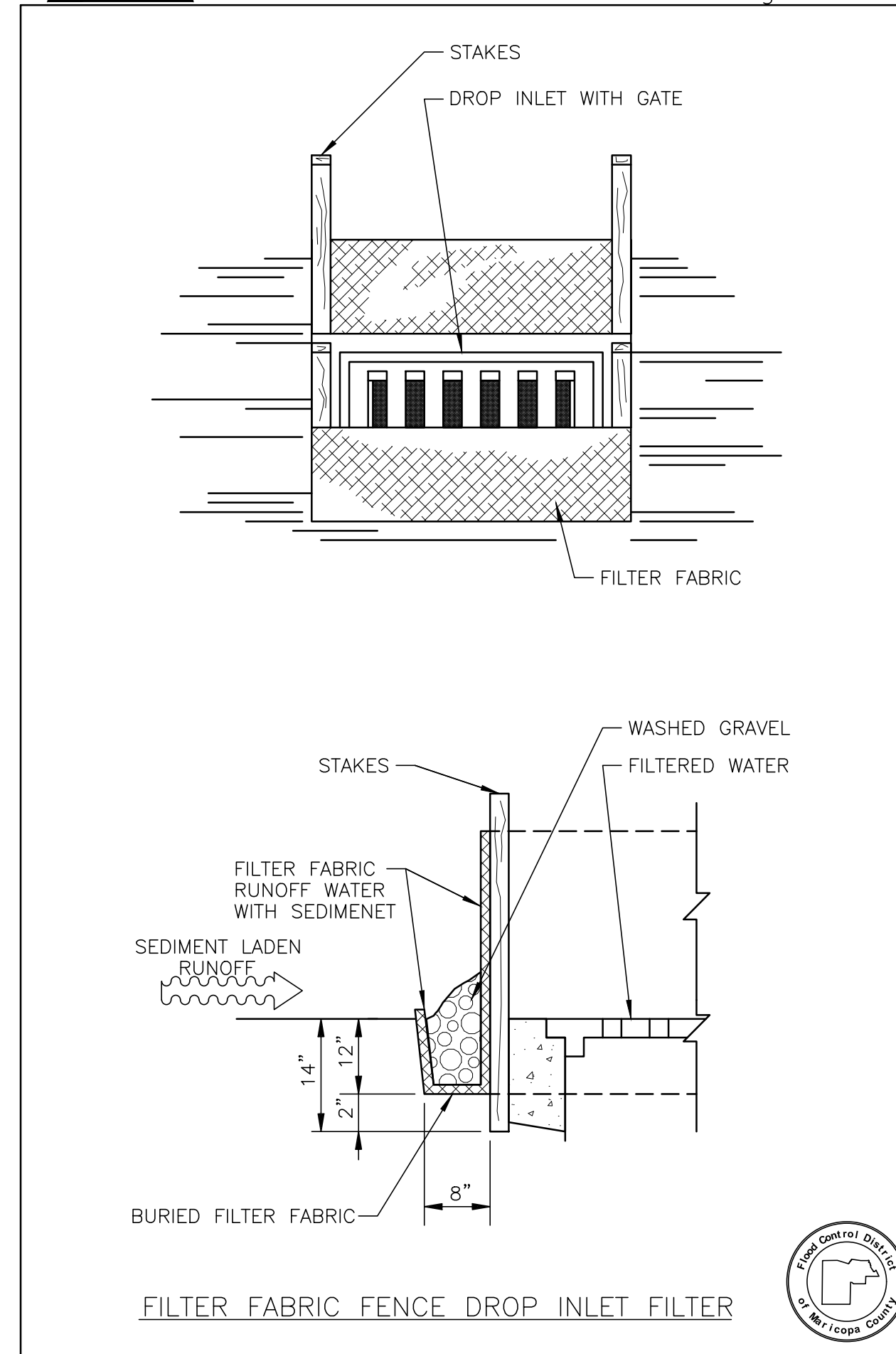


SECTION A-A  
CONCRETE TRUCK WASHOUT AREA  
PER MARICOPA COUNTY FLOOD  
CONTROL EROSION CONTROL MANUAL  
BMP GH-4

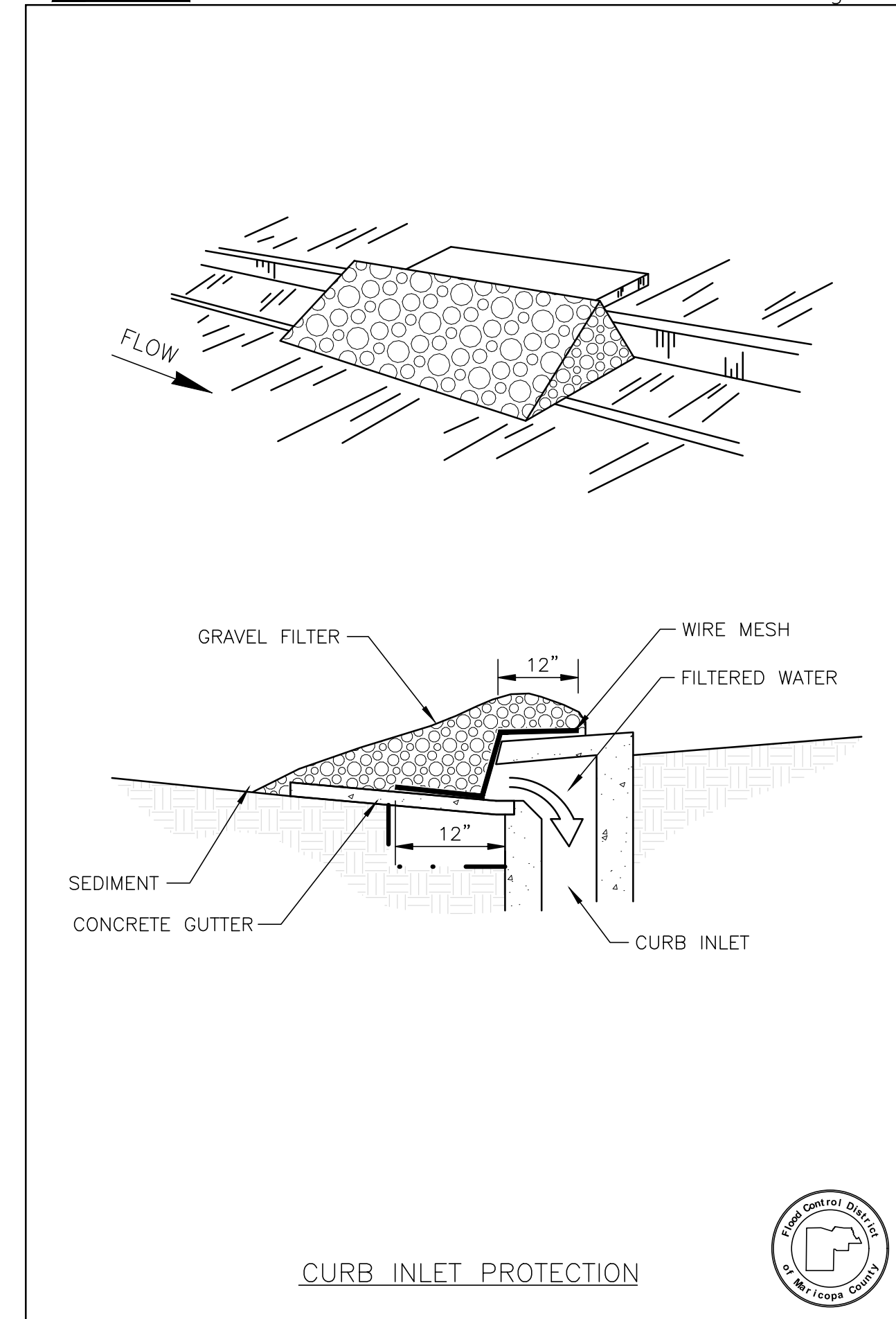
TYPES	FUNCTIONAL MECHANISM	ADVANTAGES	LIMITATIONS	IDEAL SOIL CHARACTERISTICS	RELATIVE COST COMPARISON (AVERAGE LIFE EXPECTANCY)	ENVIRONMENTAL CONSIDERATIONS
FRESHWATER	MOISTURE WETS PARTICLES, THEREBY INCREASING THEIR MASS AND BINDING THEM TOGETHER.	USUALLY READILY AVAILABLE, LOW MATERIAL COST, AND EASY TO APPLY	FREQUENT LIGHT APPLICATIONS MAY BE NECESSARY DURING HOT DRY WEATHER AND CAN BE LABOR INTENSIVE. OVER APPLICATION MAY RESULT IN LOSS OF TRACTION, EROSION, OR POINTS OF ROAD FAILURE.	NONE	LOW INITIAL COST, HIGH LONGTERM MAINTENANCE COST (0 MONTHS)	MINIMAL ENVIRONMENTAL HAZARD. IF APPLIED EXCESSIVELY, MAY RESULT IN EROSION AND SEDIMENT RUNOFF. SUPPLY MAY BE LIMITED IN SOME AREAS AND, DEPENDING ON THE SOURCE, MAY REQUIRE A WATER RIGHT PERMIT.

DUST CONTROL MEASURES  
PER MARICOPA COUNTY FLOOD  
CONTROL EROSION CONTROL MANUAL  
BMP EC-7

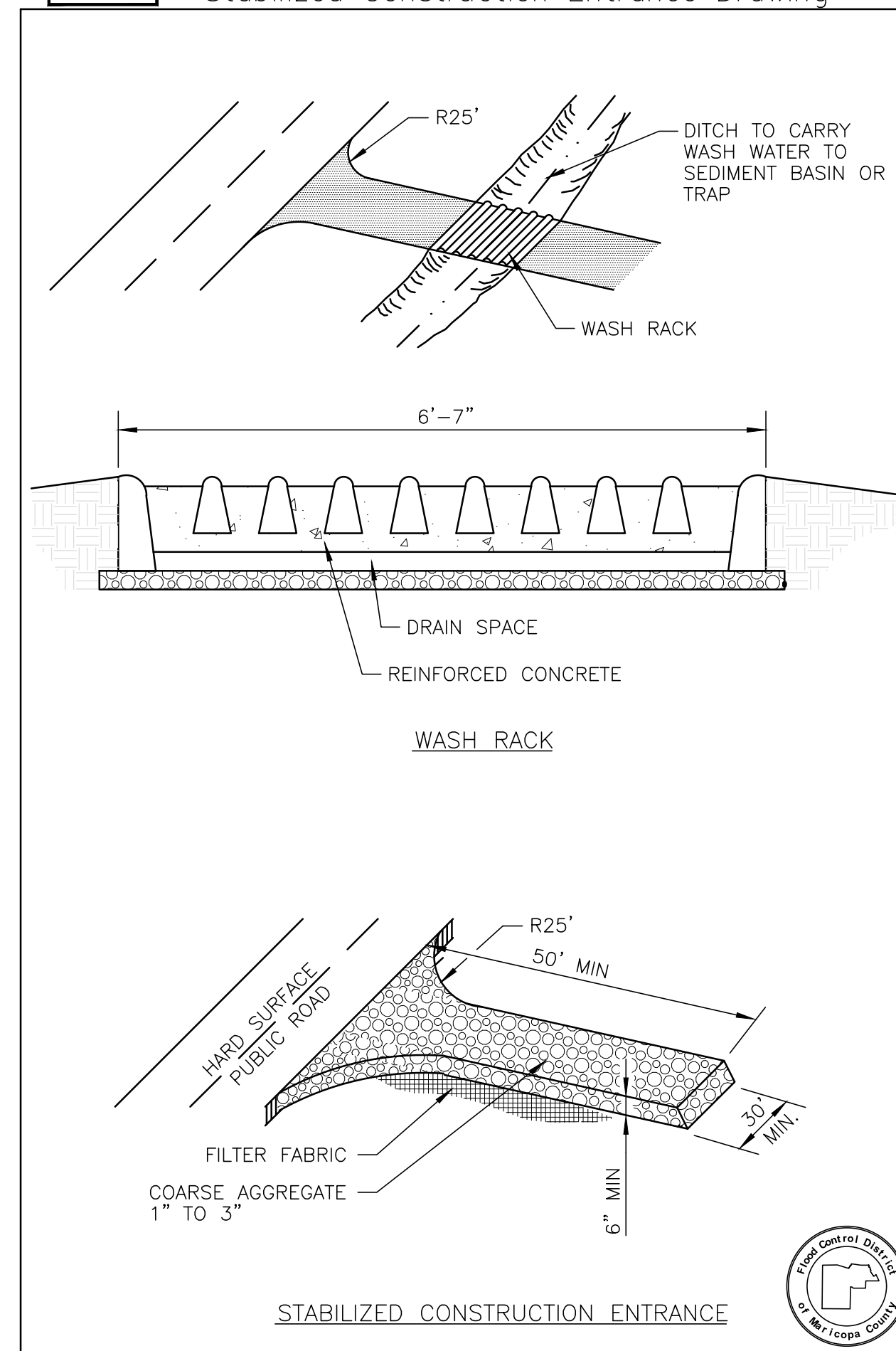
SPC-7 Storm Drain Inlet Protection Drawing



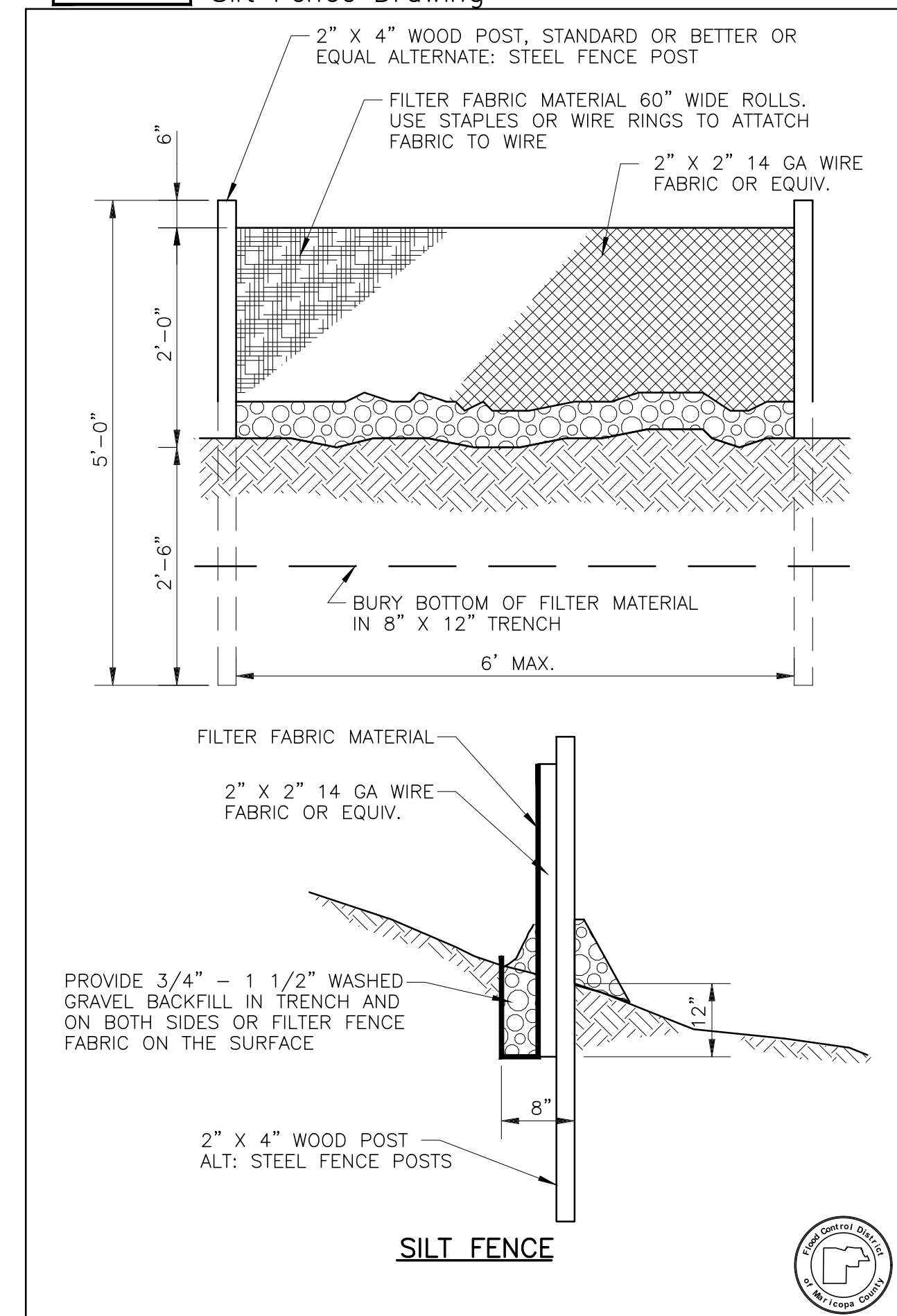
SPC-7 Storm Drain Curb Inlet Protection Drawing



EC-5 Stabilized Construction Entrance Drawing



SPC-5 Silt Fence Drawing



Contact Arizona 811 at least two full working days before you begin excavation  
ARIZONA811  
Call 811 or click Arizona811.com

2401 W PEORIA AVE, SUITE 130  
PHOENIX, AZ 85029

602-957-3350  
rickengineering.com



SAN DIEGO ORANGE RIVERSIDE SACRAMENTO SAN LUIS OBISPO  
SANTA CLARITA PHOENIX TUCSON LAS VEGAS DENVER

814 SERVICES, LLC  
VET CLINIC AVONDALE BUCKEYE

Erosion Control Plan

07/18/2025  
SHEET NUMBER  
3 OF 3  
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