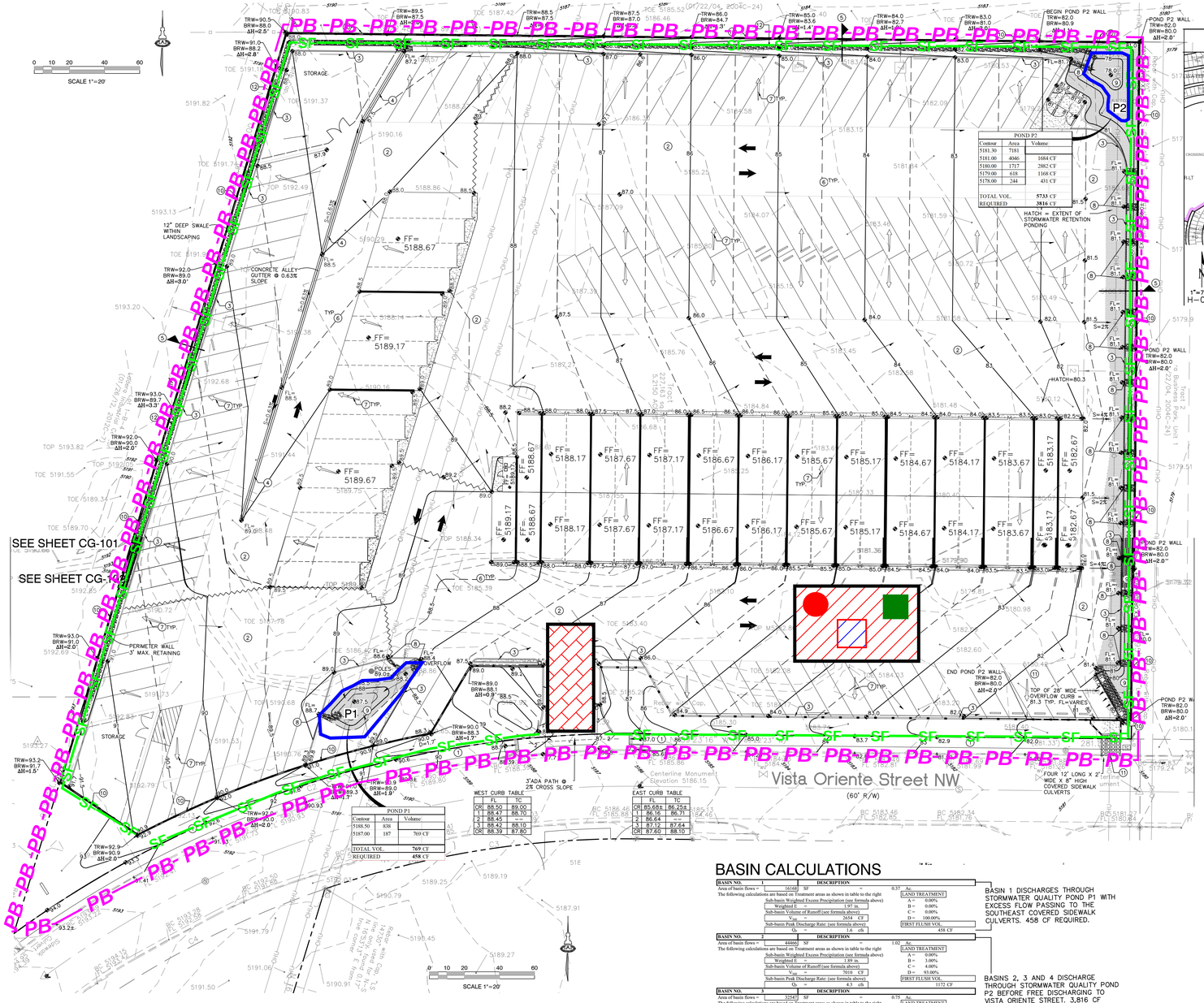
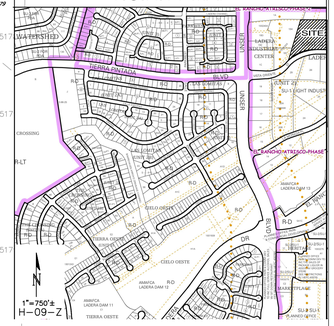


VICINITY MAP



LEGEND

TEMPORARY EROSION AND SEDIMENT CONTROL PLAN

- PROJECT PERIMETER & DISTURBED AREA
- SILT FENCE
- MULCH SOCKS
- FLOW DIRECTION
- STAGING AREA
- STABILIZED CONSTRUCTION ENTRANCE
- TRASH RECEPTACLE
- CHEMICAL TOILET
- CONCRETE WASHOUT
- RETENTION POND
- RIP RAP
- CHECK DAM
- DROP INLET PROTECTION
- OUTFALL
- POSTING SIGN
- PRESERVED VEGETATION

BASIN CALCULATIONS

BASIN NO. 1 — DESCRIPTION
Area of basin flows = 16168 SF = 0.37 Ac.
The following calculations are based on Treatment areas as shown in table to the right
Sub-basin Weighted Excess Precipitation (see formula above): Weighted E = 1.97 in.
Sub-basin Volume of Runoff (see formula above): V_{360} = 2654 CF
Sub-basin Peak Discharge Rate: (see formula above): Q_p = 1.6 cfs
LAND TREATMENT: A = 0.00%, B = 0.00%, C = 0.00%, D = 100.00%
FIRST FLUSH VOL. 458 CF

BASIN 1 DISCHARGES THROUGH STORMWATER QUALITY POND P1 WITH EXCESS FLOW PASSING TO THE SOUTHEAST COVERED SIDEWALK CULVERTS. 458 CF REQUIRED.

BASIN NO. 2 — DESCRIPTION
Area of basin flows = 44666 SF = 1.02 Ac.
The following calculations are based on Treatment areas as shown in table to the right
Sub-basin Weighted Excess Precipitation (see formula above): Weighted E = 1.89 in.
Sub-basin Volume of Runoff (see formula above): V_{360} = 7010 CF
Sub-basin Peak Discharge Rate: (see formula above): Q_p = 4.3 cfs
LAND TREATMENT: A = 0.00%, B = 3.00%, C = 4.00%, D = 93.00%
FIRST FLUSH VOL. 1172 CF

BASIN NO. 3 — DESCRIPTION
Area of basin flows = 32547 SF = 0.75 Ac.
The following calculations are based on Treatment areas as shown in table to the right
Sub-basin Weighted Excess Precipitation (see formula above): Weighted E = 1.79 in.
Sub-basin Volume of Runoff (see formula above): V_{360} = 4848 CF
Sub-basin Peak Discharge Rate: (see formula above): Q_p = 3.0 cfs
LAND TREATMENT: A = 0.00%, B = 8.00%, C = 8.00%, D = 84.00%
FIRST FLUSH VOL. 775 CF

BASINS 2, 3 AND 4 DISCHARGE THROUGH STORMWATER QUALITY POND P2 BEFORE FREE DISCHARGING TO VISTA ORIENTE STREET. 3,816 CF REQUIRED.

TOTAL SITE STORMWATER QUALITY POND VOLUME REQUIRED = 5,747 CF.

TOTAL STORMWATER QUALITY POND VOLUME PROVIDED = 6,502 CF.

BASIN NO. 4 — DESCRIPTION
Area of basin flows = 67311 SF = 1.55 Ac.
The following calculations are based on Treatment areas as shown in table to the right
Sub-basin Weighted Excess Precipitation (see formula above): Weighted E = 1.95 in.
Sub-basin Volume of Runoff (see formula above): V_{360} = 10922 CF
Sub-basin Peak Discharge Rate: (see formula above): Q_p = 6.7 cfs
LAND TREATMENT: A = 0.00%, B = 1.00%, C = 1.00%, D = 98.00%
FIRST FLUSH VOL. 1669 CF

BASIN NO. 5 — DESCRIPTION
Area of basin flows = 56433 SF = 1.30 Ac.
The following calculations are based on Treatment areas as shown in table to the right
Sub-basin Weighted Excess Precipitation (see formula above): Weighted E = 1.87 in.
Sub-basin Volume of Runoff (see formula above): V_{360} = 8778 CF
Sub-basin Peak Discharge Rate: (see formula above): Q_p = 5.4 cfs
LAND TREATMENT: A = 0.00%, B = 5.00%, C = 4.00%, D = 91.00%
FIRST FLUSH VOL. 1456 CF

BASINS 5 AND 6 FREE DISCHARGE TO VISTA ORIENTE STREET. 1,473 CF REQUIRED.

BASIN NO. 6 — DESCRIPTION
Area of basin flows = 10113 SF = 0.23 Ac.
The following calculations are based on Treatment areas as shown in table to the right
Sub-basin Weighted Excess Precipitation (see formula above): Weighted E = 0.90 in.
Sub-basin Volume of Runoff (see formula above): V_{360} = 757 CF
Sub-basin Peak Discharge Rate: (see formula above): Q_p = 0.6 cfs
LAND TREATMENT: A = 0.00%, B = 47.00%, C = 47.00%, D = 6.00%
FIRST FLUSH VOL. 57 CF

RECEIVING WATERS: **ONSITE POND**

CRITICAL HABITAT: **CRITERION "A"; NO CRITICAL HABITATS WITHIN PROJECT AREA**

GPS LOCATION: **35.1114, -106.7279**

CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL — CPESC — CASSANDRA DURKIN — No. 0212

03/30/2020
CPESC Stamp

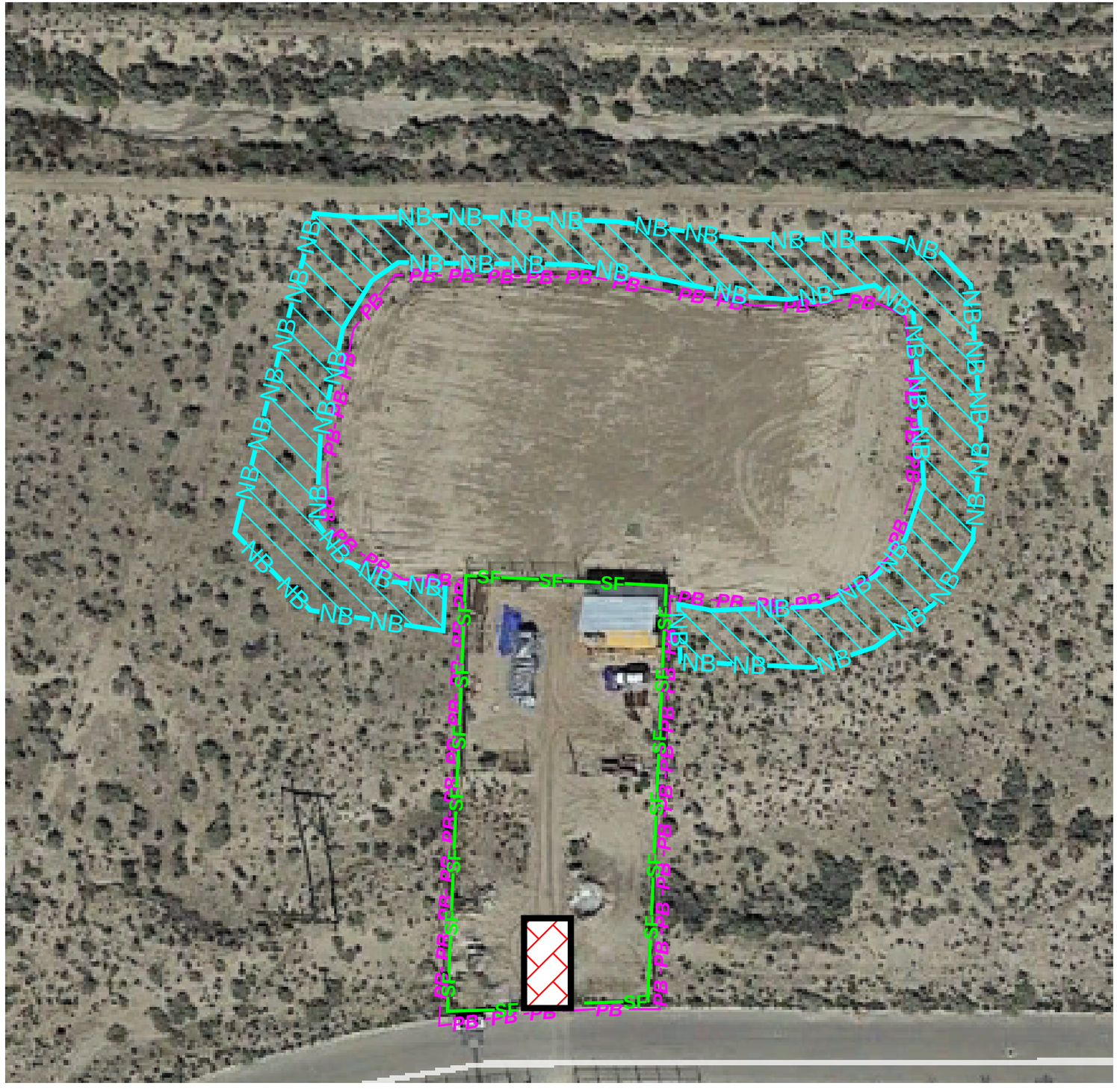
ALBUQUERQUE RV & BOAT STOARGE
PROJECT TITLE

ALBUQUERQUE, BERNALILLO COUNTY, NM
CITY, COUNTY, STATE

03/30/2020 DATE

C. DURKIN DRAWN BY

INSPECTIONS PLUS



LEGEND

INTERIM
TEMPORARY EROSION AND SEDIMENT CONTROL PLAN

- PROJECT PERIMETER & DISTURBED AREA
- SILT FENCE
- MULCH SOCKS
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- RIP RAP
- CHECK DAM
- NATURAL BUFFER
- OUTFALL
- POSTING SIGN
- PRESERVED VEGETATION

RECEIVING WATERS: **ONSITE POND**

CRITICAL HABITAT: **CRITERION "A"; NO CRITICAL HABITATS WITHIN PROJECT AREA**

GPS LOCATION: **35.1114, -106.7279**

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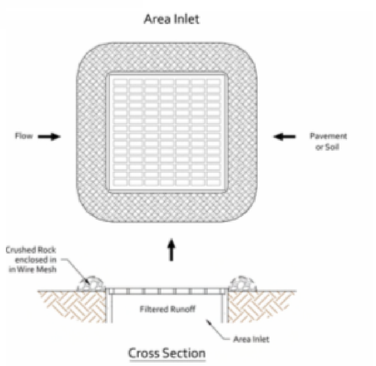
DRAWN BY

INSPECTIONS PLUS

INLET PROTECTION



BMP Objectives

- Sediment Control
- Sheet Flow Runoff Control

SILT FENCE

BMP Objectives

- Sediment Control
- Wind Erosion Control

SEDIMENT TRACK OUT CONTROL

BMP Objectives

- Sediment Control

MULCH SOCK/STRAW WATTLE

BMP Objectives

- Sediment Control
- Reduce Runoff Velocity
- Inlet Protection

BERMS AND SWALES

BMP Objectives

- Runoff Control
- Run-on Diversion

EROSION CONTOL NOTES

1. All perimeter erosion and sediment control measures shall be installed prior to the execution of any grading work and shall be maintained for the duration of the project. Failure to install and maintain erosion controls is a violation of the Federal Permit and is subject to fines.

2. All Erosion and Sediment Control (ESC) work on these plans, except as otherwise stated or provided hereon shall be permitted, constructed, inspected, and maintained in accordance with:

a. The City Ordinance § 14-5-2-11, the ESC Ordinance
b. The EPA's 2017 Construction General Permit (CGP), and
c. NMDOT's August 2012 BMP Manual, Appendix A

3. Sediment collected behind sediment filters and Silt Fences shall be removed when sediment reaches 1/3 the height of the barrier.

4. Routine Self-Inspections are required to review the project for compliance with the City Ordinance and the Construction General Permit according to the receiving water for the site. For sites that discharge to Sensitive Waters, inspection of erosion and sediment controls and other protective measures are required once every 7 and within 24 hours of Storm Events that produce 0.25 inches or more. All other sites must conduct Self-Inspections once every 14 days and within 24 hours of Storm Events that produce 0.25 inches or more. All inspections shall continue until the site construction has been completed and the site is determined stabilized by the City. Reports of these inspections shall be kept by the person or entity authorized to direct the construction activities on the site.

5. Erosion and Sediment control measures shall be removed following construction or upon permanent stabilization of the disturbed/graded areas, whichever occurs last.

6. All disturbed areas that are not to be paved shall be reseeded. Unless otherwise specified, Native Grass Seeding and mulch per COA STD 1012 is required for final stabilization prior to removal of BMPs and discontinuation of inspections.

7. The Contractor shall keep the site clean at all times and control dust resulting from earthwork operations. The Contractor shall not track mud or sediment from the site onto the public streets.

RECEIVING WATERS: **ONSITE POND**

CRITICAL HABITAT: **CRITERION "A"; NO CRITICAL HABITATS WITHIN PROJECT AREA**

GPS LOCATION: **35.1114, -106.7279**

CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL
CPESC
CASSANDRA DURKIN
No. 0212

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ALBUQUERQUE RV & BOAT STOARGE
PROJECT TITLE

ALBUQUERQUE, BERNALILLO COUNTY, NM
CITY, COUNTY, STATE

03/30/2020 DATE

C. DURKIN DRAWN BY

INSPECTIONS PLUS