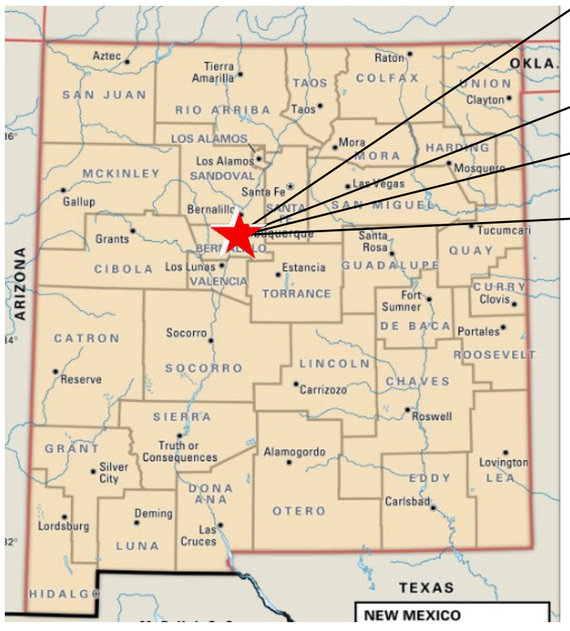
98th and Central Warehouse

9561 Central Avenue NW, Albuquerque, NM 87121

TEMPORARY EROSION AND SEDIMENT CONTROL PLAN

PAGE INDEX	
1	TITLE PAGE
2	SWPPP INFO & NOTES
3	DETAILS
4-6	TEMPORARY EROSION CONTROL PLAN
7	SCHEDULE & SWPPP TEAM



GPS COORDINATES:

35.073964

-106.739480

CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL
CPESC®
James Tolman
No. 10631

CPESC STAMP

98th and Central Warehouse	PROJECT TITLE
ALBUQUERQUE, NM - BERNALILLO COUNTY	CITY, COUNTY, STATE
12/14/2023	DATE
D. Lewis / J. Tolman	DRAWN BY

INSPECTIONS PLUS

PERMIT NUMBER: NMR

NMR100000 STATE OF NEW MEXICO, EXCEPT INDIAN COUNTRY
NMR10I000 INDIAN COUNTRY WITHIN THE STATE OF NEW MEXICO, EXCEPT NAVAJO RESERVATION LANDS THAT ARE COVERED UNDER ARIZONA PERMIT AZR10I000 AND UTE MOUNTAIN RESERVATION LANDS THAT ARE COVERED UNDER COLORADO PERMIT COR10I000.

OPERATOR NAME:	A-Fel Construction
OPERATOR POINT OF CONTACT:	Sergio Loya, PM; 505-228-2795; sergiobuilder@hotmail.com
NOI PREPARED BY:	Inspections Plus; 505-895-1547
PROJECT/SITE NAME:	98th and Central Warehouse
PROJECT/SITE ADDRESS:	9561 Central Avenue NW, Albuquerque, NM 87121
LATITUDE	35.073964
LONGITUDE	-106.739480
ESTIMATED PROJECT START DATE	02/01/2024
ESTIMATED PROJECT COMPLETION DATE	01/31/2025
ESTIMATED AREA TO BE DISTURBED	1.38 acres
TYPE OF CONSTRUCTION	Commercial
DEMOLITION OF ANY STRUCTURES, 10,000 SQ FT OF GREATER BUILT OR RENOVATED BEFORE JANUARY 1, 1980?	NO
WAS THE PREDEVELOPMENT LAND USED FOR AGRICULTURE?	NO
COMMENCED EARTH DISTURBING ACTIVITIES?	NO
DISCHARGE TO MS4? MS4 NAME?	Albuquerque City
SURFACE WATERS WITHIN 50FT?	NO
RECEIVING WATER?	Rio Grande River
IS RECEIVING WATER IMPAIRED? TIER DESIGNATION	YES; 3
WHAT ARE THE IMPAIRMENTS, IF ANY?	Dissolved Oxygen, E. Coli, Mercury, PCBS, Temperature
SWPPP CONTACT INFORMATION:	Inspections Plus; Madelyn Schauer; 505-895-1547
ENDANGERED SPECIES CRITERIA:	**CRITERION "A"; NO CRITICAL HABITATS CRITERION "A"**
HISTORIC PRESERVATION CRITERIA:	**PREEXISTING DEVELOPMENT**

ESC Plan Standard Notes (2023-06-16)

1. 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 2022 Construction General Permit (CGP), and
   c. The City Of Albuquerque Construction BMP Manual.
2. All BMP's must be installed prior to beginning any earth moving activities except as specified hereon in the Phasing Plan. Construction of earthen BMP's such as sediment traps, sediment basins, and diversion berms shall be completed and inspected prior to any other construction or earthwork. Self-inspection is required after installation of the BMPs and prior to beginning construction.
3. Self-inspections - In accordance with City Ordinance § 14-5-2-11(C)(1), "at a minimum a routine self-inspection is required to review the project for compliance with the Construction General Permit once every 14 days and after any precipitation event of 1/4 inch or greater until the site construction has been completed and the site determined as 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 and made available upon request.
4. Corrective action reports must be kept by the person or entity authorized to direct the construction activities on the site and made available upon request.
5. Final Stabilization and Notice of Termination (NOT) - In accordance with City Ordinance § 14-5-2-11(C)(1), self-inspections must continue until the site is "determined as stabilized by the city." The property owner/operator is responsible for determining when the "Conditions for Terminating CGP Coverage" per CGP Part 8.2 are satisfied and then for filing their Notice of Termination (NOT) with the EPA. Each operator may terminate CGP coverage only if one or more of the conditions in Part 8.2.1, 8.2.2, or 8.2.3 has occurred. After filing the NOT with the EPA, the property owner is responsible for requesting a Determination of Stabilization from the City.
6. When doing work in the City right-of-way (e.g. sidewalk, drive pads, utilities, etc.) prevent dirt from getting into the street. If dirt is present in the street, the street should be swept daily or prior to a rain event or contractor induced water event (e.g. curb cut or water test).
7. When installing utilities behind the curb, the excavated dirt should not be placed in the street.
8. When cutting the street for utilities the dirt shall be placed on the uphill side of the street cut and the area swept after the work is complete. A wattle or mulch sock may be placed at the toe of the excavated dirt pile if site constraints do not allow placing the excavated dirt on the uphill side of the street cut.
9. ESC Plans must show longitudinal street slope and street names. On streets where the longitudinal slope is steeper than 2.5%, wattles/mulch socks or j-hood silt fence shall be shown in the front yard swale or on the side of the street.

CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL
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98th and Central
PROJECT TITLE

ALBUQUERQUE, NM - BERNALILLO COUNTY
CITY, COUNTY, STATE

12/14/2023
DATE

D. Lewis / J. Tolman
DRAWN BY

INSPECTIONS PLUS

SEDIMENT TRACK OUT CONTROL

BMP Objectives

- Sediment Control

BERMS AND SWALES

BMP Objectives

- Runoff Control
- Run-on Diversion

SILT FENCE

BMP Objectives

- Sediment Control
- Sheet Flow Runoff Control
- Wind Erosion Control

MULCH SOCK/STRAW WATTLE

BMP Objectives

- Sediment Control
- Reduce Runoff Velocity
- Inlet Protection

INLET PROTECTION

BMP Objectives

- Sediment Control
- Sheet Flow Runoff Control
- Wind Erosion Control

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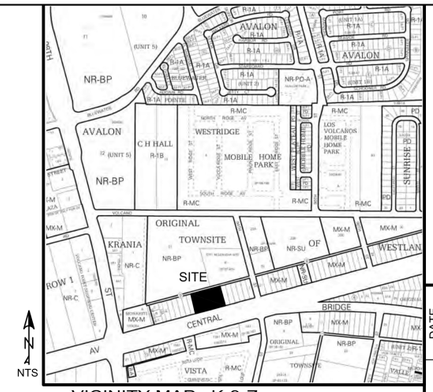
INSPECTIONS PLUS

100-YEAR HYDROLOGIC CALCULATIONS

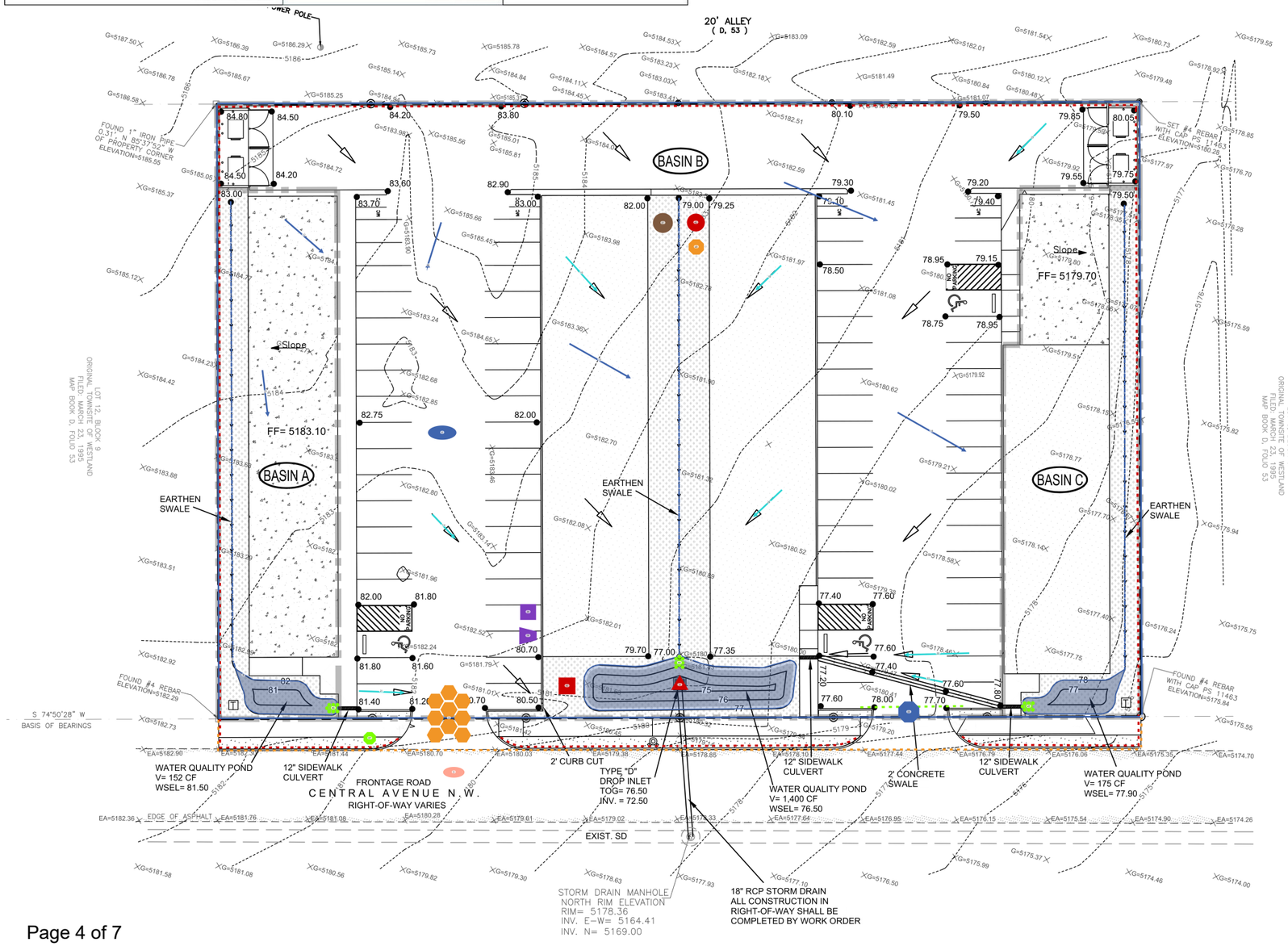
BASIN #	AREA (acre)	LAND TREATMENT A (%)	B (%)	C (%)	D (%)	WEIGHTED E (in)	100-YEAR PRECIPITATION V (6-hr) (acre-ft)	V (6-hr) (cu-ft)	V(24-hr) (acre-ft)	V(24-hr) (cu-ft)	Q (cfs)
EXISTING CONDITIONS											
A	0.1561	100.00	0.00	0.00	0.00	0.55	0.01	312	0.01	312	0.24
B	1.0515	100.00	0.00	0.00	0.00	0.55	0.05	2,099	0.05	2,099	1.62
C	0.1700	100.00	0.00	0.00	0.00	0.55	0.01	339	0.01	339	0.26
TOTAL RUNOFF	1.3776						0.06	2,750	0.06	2,750	2.12
DEVELOPED CONDITIONS											
A	0.1561	0.00	18.00	18.00	64.00	1.74	0.02	984	0.03	1,100	0.55
B	1.0515	0.00	6.50	6.50	87.00	2.06	0.18	7,855	0.20	8,918	4.11
C	0.1700	0.00	16.20	16.20	67.60	1.79	0.03	1,102	0.03	1,236	0.61
TOTAL RUNOFF	1.3776						0.23	9,941	0.26	11,254	5.28
EXCESS PRECIP.		0.55	0.73	0.95	2.24	E_c (in)					
PEAK DISCHARGE		1.54	2.16	2.87	4.12	Q_{PI} (cfs)					

WEIGHTED E (in) = $(E_A)(\%A) + (E_B)(\%B) + (E_C)(\%C) + (E_D)(\%D)$
$V_{6\text{-HR}}$ (acre-ft) = (WEIGHTED E)(AREA)/12
$V_{100\text{DAY}}$ (acre-ft) = $V_{6\text{-HR}} + (A_C)(P_{100\text{DAY}} - P_{6\text{-HR}})/12$
Q (cfs) = $(Q_{PA})(A_A) + (Q_{PB})(A_B) + (Q_{PC})(A_C) + (Q_{PD})(A_D)$

ZONE = 1
$P_{6\text{-HR}}$ (in.) = 2.17
$P_{24\text{-HR}}$ (in.) = 2.49
$P_{100\text{DAY}}$ (in.) = 3.90



VICINITY MAP : K-9-Z



DRAINAGE PLAN:

LEGAL DESCRIPTION: LOTS 6, 7, 8, 9, 10 & 11, BLOCK 9, ORIGINAL TOWNSITE OF WESTLAND

SITE AREA: 1.3776 ACRES

FLOOD HAZARD STATEMENT: F.E.M.A. FLOODWAY BOUNDARY AND FLOODWAY MAP DATED NOVEMBER 4, 2016 (PANEL NO. 35001C0328J) INDICATES A FLOOD HAZARD ZONE X WHICH IS AN AREA DETERMINED TO BE OUTSIDE THE 500-YEAR FLOODPLAIN. THE TOWER PARK POND HAS A FLOOD HAZARD ZONE AH WITH A BASE ELEVATION OF 5089).

EXISTING DRAINAGE CONDITIONS:

THE DRAINAGE ANALYSIS FOR THIS SITE IS IN ACCORDANCE WITH CHAPTER 6, ARTICLE 6-2, SECTION 6-2(A), ENTITLED "PROCEDURE FOR 40-ACRE AND SMALLER BASINS." THE DESIGN STORM USED FOR BOTH UNDEVELOPED AND DEVELOPED CONDITIONS IS THE 100-YEAR, 6-HOUR STORM EVENT FOR RUNOFF. THE SITE IS LOCATED IN ZONE 1 SO THE 100-YEAR, 6-HOUR STORM EVENT IS 2.17 INCHES. UNDER EXISTING CONDITIONS, THE PROPERTY IS VACANT.
THE SITE IS LOCATED ON CENTRAL AVENUE NW BETWEEN 94TH STREET AND 98TH STREET. THE SITE MOSTLY DRAINS FROM NORTHWEST TO SOUTHEAST TO CENTRAL AVENUE. THE PEAK RUNOFF UNDER EXISTING CONDITIONS IS 2.12 CFS DURING A 100-YEAR, 6-HOUR STORM. THE PEAK RUNOFF VOLUME DURING A 100-YEAR, 24-HOUR STORM IS 2,750 CUBIC FEET. THERE ARE NO OFF-SITE FLOWS THAT REACH THE PROPERTY.

DEVELOPED DRAINAGE CONDITIONS:

THE SITE WILL BE DEVELOPED WITH BUILDINGS, PARKING AREAS, AND PARKING FOR FOOD TRUCKS. THERE IS AN EXISTING 42-INCH STORM DRAIN JUST SOUTH OF THE CENTRAL AVENUE FRONTAGE ROAD THAT IS ADJACENT TO THE SITE. THE 42-INCH STORM DRAIN WAS CONSTRUCTED AS PART OF THE AMOLE DEL NORTE- TIERRA BAYITA DRAINAGE PROJECT. DRAINAGE ANALYSIS FOR THIS SITE WAS INCLUDED IN THE FINAL DESIGN REPORT FOR THE AMOLE DEL NORTE STORM DRAINAGE FACILITIES, TIERRA BAYITA DRAINAGE FACILITIES, PHASE III, DATED MARCH 1998. THIS SITE IS INCLUDED IN BASIN 19D. ACCORDING TO THE REPORT THIS SITE CAN DISCHARGE 3.533 CFS PER ACRE. THEREFORE, THE SITE CAN DISCHARGE A TOTAL OF 4.87 CFS.

THE TOTAL SITE RUNOFF UNDER DEVELOPED CONDITIONS IS 5.28 CFS. SINCE, THE INITIAL 0.42 INCHES OF RAIN ARE RETAINED ONSITE IN THE STORM WATER QUALITY PONDS, THE TOTAL SITE RUNOFF WILL BE LESS THAN THE 4.87 CFS ALLOWED. THE SITE HAS THREE DRAINAGE BASINS. BASIN A INCLUDES THE BUILDING ON THE WESTERN SIDE OF THE SITE AND LANDSCAPED AREA. BASIN B INCLUDES THE MIDDLE PORTION OF THE SITE. AND BASIN C INCLUDES THE BUILDING AND FOOD TRUCK PARKING ALONG THE EASTERN SIDE OF THE SITE. EACH BASIN WILL DRAIN TO A STORM WATER QUALITY POND ALONG THE SOUTH PROPERTY LINE. THE SOTEM WATER QUALITY PONDS IN BASINS A AND C WILL DISCHARGE TO THE PARKING AREAS IN BASIN B AND CONTINUE TO A STORM WATER QUALITY POND IN BASIN B. SIDEWALK CULVERTS AND CURB CUTS WILL BE USED TO DISCHARGE THE RUNOFF TO THE BASIN B POND. THE BASIN B STORWATER QUALITY POND WILL DISCHARGE THROUGH A TYPE D STORM INLET TO AN 18-INCH RCP STORM DRAIN TO AN EXISTING MANHOLE IN THE 42-INCH STORM DRAIN SOUTH OF THE CENTRAL AVENUE FRONTAGE ROAD. THIS CONSTRUCTION WILL BE ACCOMPLISHED WITH AN SO-19 PERMIT.

BASIN A STORM WATER QUALITY VOLUME = (0.42IN/12IN/FT) x ((0.1561 x 0.640)) x 43,560SF/AC) = 152 CF.

BASIN B STORM WATER QUALITY VOLUME = (0.42IN/12IN/FT) x ((1.0515 x 0.870)) x 43,560SF/AC) = 1,395 CF.

BASIN C STORM WATER QUALITY VOLUME = (0.42IN/12IN/FT) x ((0.1700 x 0.676)) x 43,560SF/AC) = 175 CF.

LEGEND

XG=5174.00	EXISTING SPOT ELEVATION
	EXISTING CONTOUR
79.60	PROPOSED SPOT ELEVATION
	FLOW DIRECTION
	TYPE "D" DROP INLET
	18" RCP STORM DRAIN

BAR SCALE
0 10 20 40
SCALE: 1"=20'

Thompson Engineering Consultants, Inc.
tzcon@yahoo.com
PHONE: (505) 271-2199
FAX: (505) 830-9248
P.O. BOX 65760
ALBUQUERQUE, NM 87193

NO.	REVISION	BY	DATE

PROJECT:
DATE:
HORIZ. SCALE:
VERT. SCALE:
DRAWN BY: DEM
CHECKED BY:
APPROVED BY:
FILE:

NEW MEXICO 9677 REGISTERED PROFESSIONAL ENGINEER 8-8-23

LOTS, 6, 7, 8, 9, 10 & 11 , BLOCK 9
OHGINAZ TOWNSITE OF WESTLAND

GRADING & DRAINAGE PLAN

CITY/COUNTY REVIEW

DEPARTMENT	SIGN-OFF	DATE
WASTEWATER MGMT. DIV.		
WATER SERVICES		
SUBDIVISION ENG.		
STREETS		
TRAFFIC		

FOR CITY/COUNTY USE ONLY

SHEET No.
C-1

LEGEND

Latitude: 35.073964
Longitude: -106.739480

- Detention Basin (3)
- Silt Fence (4)
- Pre-Construction Water Flow/Slope (6)
- Post-Construction Water Flow/Slope (8)
- Drainage Swale (3)
- Extended Limit of Disturbance (1)
- Gator Guard (1)
- Property Boundary & Limit of Disturbance (1)
- Portable Toilet - MUST be staked and at least 10 ft. from any impervious surface (1)
- Rip Rap (3)
- Stockpiles (1)
- Stabilized Construction Entrance/Exit (1)
- Portable Concrete Washout Bin w/ Sign (1)
- Material Storage (1)
- Dumpster (1)
- NOI/Site Notice Posting (1)
- Street Sweeping (1)
- Temporary Barricade (1)
- Yellow Jacket Inlet Filter (1)
- Water Truck (1)
- Spill Kit - near Material Storage (1)

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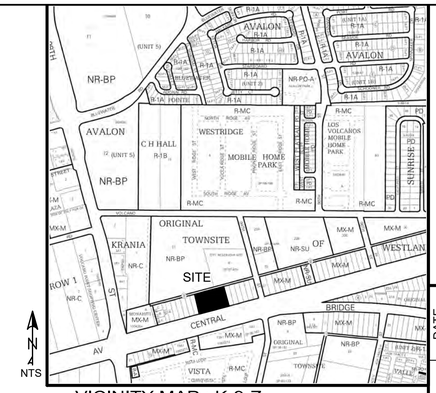
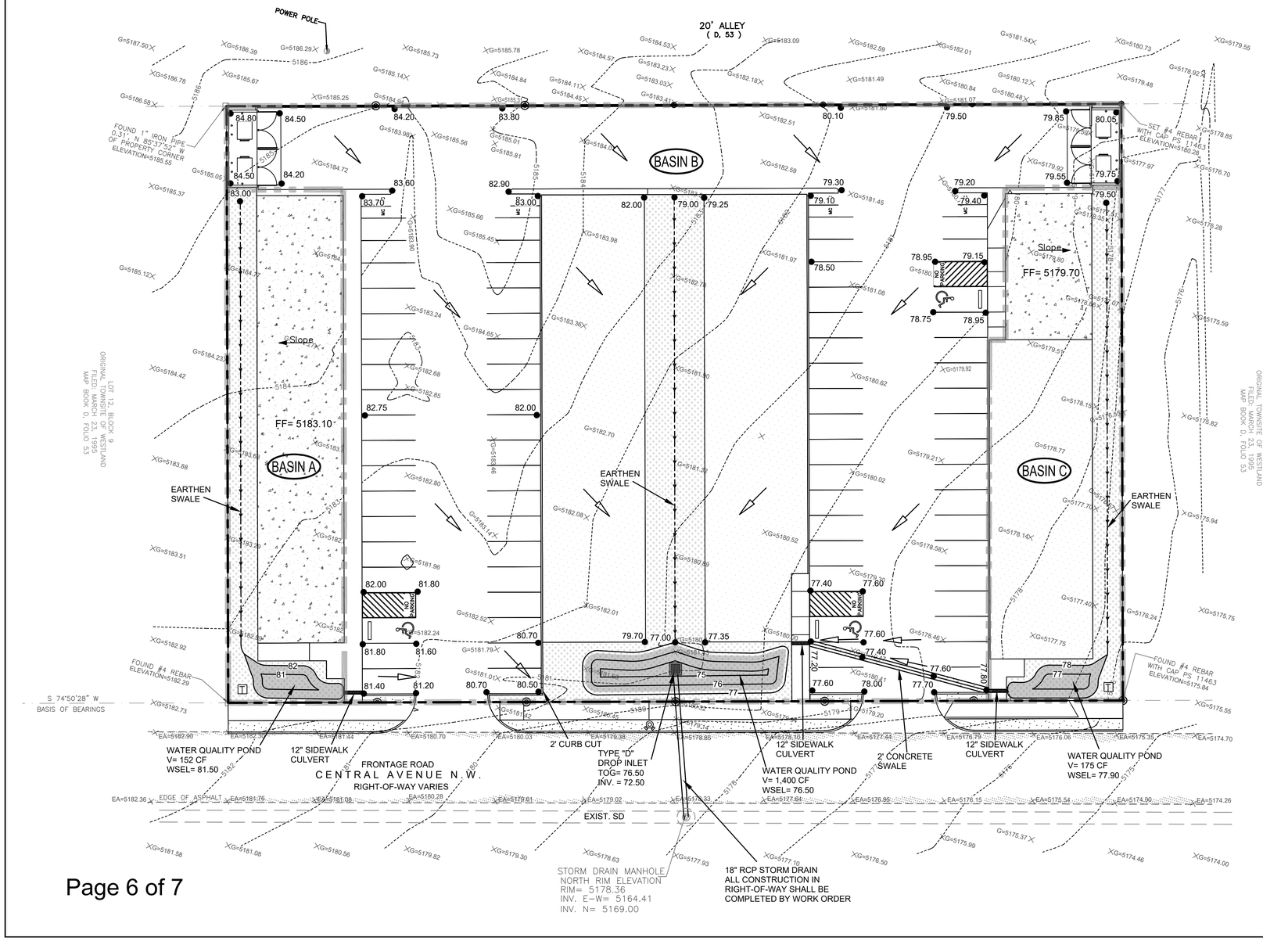


VICINITY MAP : K-9-Z



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BASIN C STORM WATER QUALITY VOLUME = (0.42IN/12IN/FT) x ((0.1700 x 0.676)) x 43,560SF/AC) = 175 CF.

LEGEND

XG=5174.00	EXISTING SPOT ELEVATION
	EXISTING CONTOUR
79.60	PROPOSED SPOT ELEVATION
	FLOW DIRECTION
	TYPE "D" DROP INLET
	18" RCP STORM DRAIN

BAR SCALE
0 10 20 40
SCALE: 1"=20'

Thompson Engineering Consultants, Inc.
tecnm@yahoo.com
P.O. BOX 65760
ALBUQUERQUE, NM 87193
PHONE: (505) 271-2199
FAX: (505) 830-9248

NO. | REVISION | BY | DATE
PROJECT:
DATE:
HORIZ. SCALE:
VERT. SCALE:
DRAWN BY: DEM
CHECKED BY:
APPROVED BY:
FILE:

NEW MEXICO 9677 REGISTERED PROFESSIONAL ENGINEER
8-8-23

LOTS, 6, 7, 8, 9, 10 & 11, BLOCK 9
OHGINAZ TOWNSITE OF WESTLAND

GRADING & DRAINAGE PLAN

CITY/COUNTY REVIEW

DEPARTMENT	SIGN-OFF	DATE
WASTEWATER MGMT. DIV.		
WATER SERVICES		
SUBDIVISION ENG.		
STREETS		
TRAFFIC		

FOR CITY/COUNTY USE ONLY

SHEET No.
C-1

OPERATOR:

A-Fel Construction
1017 12th Street SE
Rio Rancho, NM 87124
505-228-2795

Sergio Loya
Project Manager
505-228-2795
sergiobuilder@hotmail.com

OWNER:

98 and Central Partners, LLC
131 Madison Street NE, Suite 200
Albuquerque, NM 87108
505-246-6006

Alfredo Barrenechea
Owner Representative
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CPESC STAMP

98th and Central
PROJECT TITLE

ALBUQUERQUE, NM - BERNALILLO COUNTY
CITY, COUNTY, STATE

12/14/2023
DATE

D. Lewis / J. Tolman
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