CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director

Mayor Timothy M. Keller

September 10, 2019

Scott Eddings, P.E.
Huitt-Zollars
333 Rio Rancho Blvd., Suite 101
Rio Rancho, NM 87124

RE: **Winrock Regal Cinema Temporary Parking**
Amendment to Road B Extension
2100 Louisiana Blvd NE
Grading and Drainage Plan Stamp Date: 9/3/19
Hydrology File: J19D058H

Dear Mr. Eddings:

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

Based on submittal received on 9/4/19, the Grading and Drainage Plan is for Site Plan for Building Permit (AA), Grading Permit and Paving Permit.

1. For information. Construction notes 3 and 4 need to be swapped.
2. For Information. The ponds being proposed will need to be surveyed, certified, and inspected as part of the Work Order close-out.
3. As a reminder, if the project total area of disturbance (including the staging area and any work within the adjacent Right-of-Way) is 1 acre or more, then an Erosion and Sediment Control (ESC) Plan and Owner's certified Notice of Intent (NOI) is required to be submitted to the Stormwater Quality Engineer (Doug Hughes, jhughes@cabq.gov, 924-3420) 14 days prior to any earth disturbance.

If you have any questions, please contact me at 924-3695 or dpeterson@cabq.gov.

Sincerely,

Dana Peterson, P.E.
Senior Engineer, Planning Dept.
Development Review Services

City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Winrock Town Center - Regal Temporary Parking Lot

Project Title: Grading and Drainage Building Permit #:_____ Hydrology File #: J19D058H

DRB#: 2018-001579 EPC#:_____ Work Order#: 4553.90

Legal Description: A-1-A-1-A-1 Winrock Town Center

City Address: 2100 Louisiana Blvd NE

Applicant: Winrock Partners LLC Contact: Fred Gorenz

Address: 100 Sun Avenue

Phone#: 505-881-0100 Fax#:_____ E-mail: seddings@huitt-zollars.com

Other Contact: Huitt-Zollars, Inc. Contact: Scott Eddings

Address: 333 Rio Rancho Blvd, Rio Rancho, NM 87124

Phone#: 505-235-7211 Fax#:_____ E-mail: seddings@huitt-zollars.com

TYPE OF DEVELOPMENT: _____ PLAT (# of lots) _____ RESIDENCE _____ DRB SITE X ADMIN SITE

IS THIS A RESUBMITTAL? X Yes _____ No

DEPARTMENT _____ TRANSPORTATION X HYDROLOGY/DRAINAGE

Check all that Apply:

TYPE OF SUBMITTAL:

____ ENGINEER/ARCHITECT CERTIFICATION
____ PAD CERTIFICATION
____ CONCEPTUAL G & D PLAN
X GRADING PLAN
____ DRAINAGE REPORT
____ DRAINAGE MASTER PLAN
____ FLOODPLAIN DEVELOPMENT PERMIT APPLIC
____ ELEVATION CERTIFICATE
____ CLOMR/LOMR
____ TRAFFIC CIRCULATION LAYOUT (TCL)
____ TRAFFIC IMPACT STUDY (TIS)
____ STREET LIGHT LAYOUT
____ OTHER (SPECIFY) _____
____ PRE-DESIGN MEETING?

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

____ BUILDING PERMIT APPROVAL
____ CERTIFICATE OF OCCUPANCY

____ PRELIMINARY PLAT APPROVAL
____ SITE PLAN FOR SUB'D APPROVAL
____ SITE PLAN FOR BLDG. PERMIT APPROVAL
____ FINAL PLAT APPROVAL

____ SIA/ RELEASE OF FINANCIAL GUARANTEE
____ FOUNDATION PERMIT APPROVAL
X GRADING PERMIT APPROVAL
____ SO-19 APPROVAL
X PAVING PERMIT APPROVAL
____ GRADING/ PAD CERTIFICATION
____ WORK ORDER APPROVAL
____ CLOMR/LOMR
____ FLOODPLAIN DEVELOPMENT PERMIT
____ OTHER (SPECIFY) _____

DATE SUBMITTED: September 3, 2019 By: Scott Eddings

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED:_____

FEE PAID:_____

EXISTING DRAINAGE CONDITIONS

THIS PORTION OF WINROCK IS THE FORMER SPORTS AUTHORITY BUILDING CURRENTLY BEING DEMOLISHED. SPORTS AUTHORITY ROOF DISCHARGED TO THE NORTH AND EAST ENTERING INTO THE EXISTING STORM DRAIN DISCHARGING TO ANALYSIS POINT B PER THE APPROVED DRAINAGE IMPLEMENTATION PLAN PREPARED BY HUITT-ZOLLARS, INC DATED JULY 15, 2019.

FLOOD ZONE

PER THE FEMA MAP NUMBER 35001 C0356H DATED AUGUST 16, 2012 SHOWS THE SITE IS NOT LOCATED WITHIN A FLOOD HAZARD ZONE AREA.

MASTER DRAINAGE PLAN

SITE DRAINAGE IS IN ACCORDANCE WITH THE APPROVED WINROCK TOWN CENTER MASTER DRAINAGE PLAN. DRAINAGE FROM THIS PROJECT DISCHARGES INTO BASIN 500P OF THE MASTER DRAINAGE BASIN. OUTFALLS INTO MH7 WITH A BASIN AREA OF 1.34 ACRES AND A DISCHARGE RATE OF 6.7 CFS. DMP ALLOWS 7.5 CFS INTO MH7 SO THE PROPOSED TEMPORARY IMPROVEMENTS COMPLY WITH THE DMP AND NO ADDITIONAL PONDING IS REQUIRED.

PROPOSED DRAINAGE CONDITIONS (TEMPORARY)

DEVELOPMENT SHALL BE IN ACCORDANCE WITH THE APPROVED DRAINAGE MASTER PLAN FOR WINROCK TOWN CENTER. THE DRAINAGE PLAN IS ONLY FOR THE TEMPORARY PARKING LOT TO SUPPORT THE REGAL THEATER DURING CONSTRUCTION OF CITY WORK ORDER 4553.90.

BASIN 100 DISCHARGES INTO THE NEW STORM DRAIN - REQUIRES ADDING A PRIVATE TYPE 'D' STORM DRAIN INLET AND STORM DRAIN LATERAL EXTENDING TO MANHOLE 8B IN WORK ORDER 4553.90. BASIN DISCHARGE RATE IS 6.7 CFS AND ALLOWABLE IS 7.5 CFS

BASIN 200 DISCHARGES ONTO ADJACENT PARKING AISLES.

BASIN 300 IS THE FUTURE PARK. THIS AREA WILL NOT DISCHARGE FROM THE DESIGN EVENT. THE AREA WILL BE GRADED TO PROVIDE A DEPRESSION EXCEEDING TWICE THE 100-YEAR 10 DAY EVENT. TEMPORARY ACCESS TO THE LOWER LEVEL OF DILLARDS STORE IS INCLUDED IN THIS PLAN WHICH DEVELOPS A RAMP AT APPROXIMATELY 4% TO THE STORE ENTRY. AREA IN FRONT OF THE DOOR IS GRADED AWAY FROM THE BUILDING AT 2% AND A 4-FOOT DIAMETER DRY WELL. WINROCK PARNTERS LLC SHALL INSTALL A SUMP PUMP WITH A 2-INCH PLASTIC OUTFALL TO CONVEY STORM WATER FROM THE DRY WELL TO THE DEPRESSION WITHIN THE FUTURE PARK AREA.

National Flood Hazard Layer FIRMette

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

- SPECIAL FLOOD HAZARD AREAS: Without Base Flood Elevation (BFE) *Zone A, V, A99*; With BFE or Depth *Zone AE, AO, AH, VE, AR*; Regulatory Floodway
- OTHER AREAS OF FLOOD HAZARD: 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*; Future Conditions 1% Annual Chance Flood Hazard *Zone X*; Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*; Area with Flood Risk due to Levee *Zone D*
- OTHER AREAS: NO SCREEN Area of Minimal Flood Hazard *Zone X*; Effective LOMRs; Area of Undetermined Flood Hazard *Zone D*
- GENERAL STRUCTURES: Channel, Culvert, or Storm Sewer; Levee, Dike, or Floodwall
- OTHER FEATURES: 20.2 Cross Sections with 1% Annual Chance; 17.5 Water Surface Elevation; Coastal Transect; Base Flood Elevation Line (BFE); Limit of Study; Jurisdiction Boundary; Coastal Transect Baseline; Profile Baseline; Hydrographic Feature
- MAP PANELS: Digital Data Available; No Digital Data Available; Unmapped

N

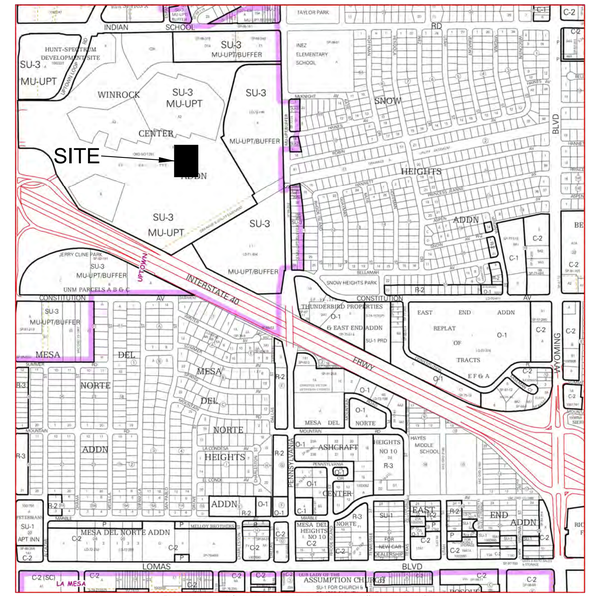
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

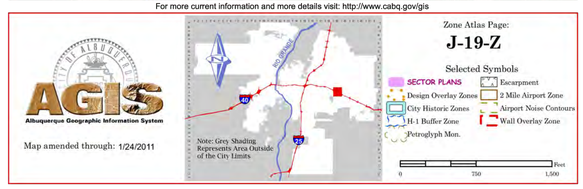
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **7/31/2019 at 12:17:43 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

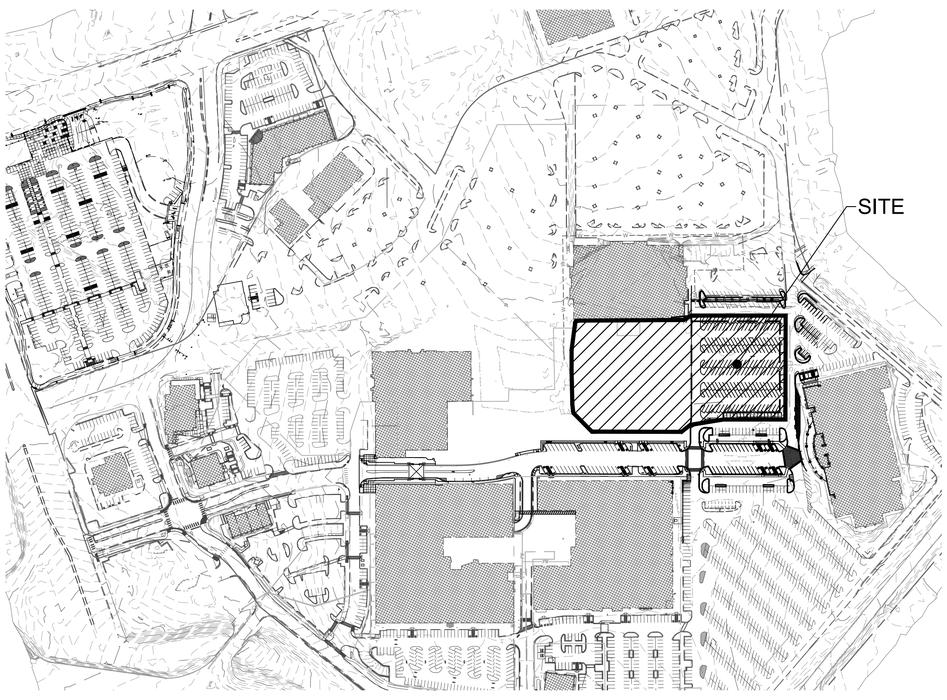
FIRM PANEL 35001C0356H



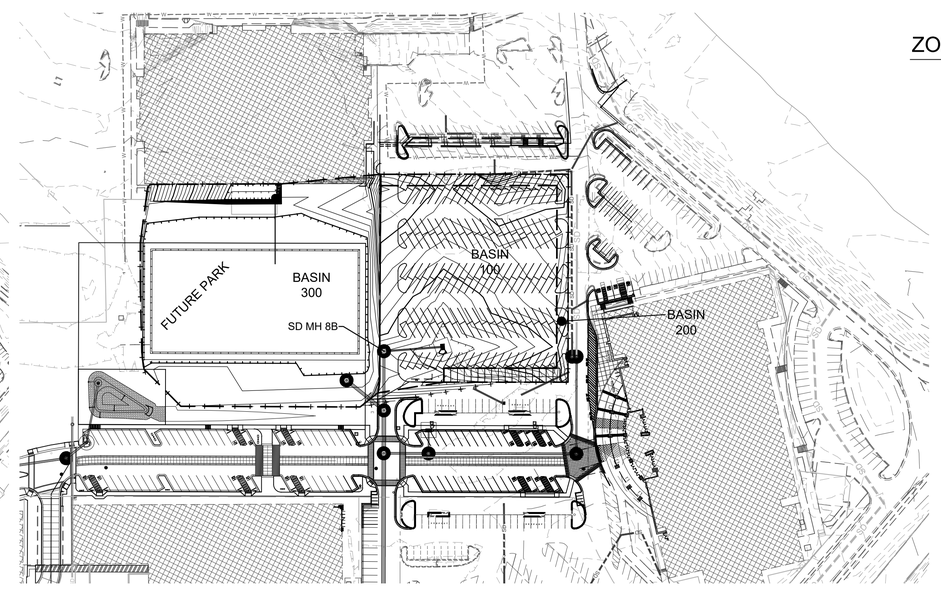
For more current information and more details visit: http://www.cabq.gov/gis



ZONE ATLAS PAGE J-19-Z



VICINITY MAP 0 200' 400'
SCALE: 1" = 200'



BASIN MAP 0 100' 200'
SCALE: 1" = 100'

AS BUILT INFORMATION

CONTRACTOR		DATE
WORK STAKED BY		DATE
INSPECTOR'S ACCEPTANCE BY		DATE
FIELD VERIFICATION BY		DATE
DRAWINGS CORRECTED BY		DATE
MICRO-FILM INFORMATION		
RECORDED BY		DATE
NO.		

BENCH MARKS

FOUND MONUMENT "2D_H18"
STANDARD 3 1/4" ALUMINUM DISC (FOUND IN PLACE)
NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983)
N=1,493,154.976
E=1,545,048.210
PUBLISHED ELE=5283.22 (NAVD 1988)
GROUND TO GRID FACTOR=0.999966158)
DELTA ALPHA ANGLE=-0°11'00.11"

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

EDWARD A. SCOTT EDWARDS NEW MEXICO 12856 REGISTERED PROFESSIONAL ENGINEER 8/19

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY: LRT DATE: SEP. 3, 2019
DRAWN BY: SAE DATE: AUG. 3, 2019
DWG NAME: GRADING PLAN.dwg PROJ #: R303699.04
CHECKED BY: SAE DATE: SEP. 3, 2019

Designed By:

HUITT-ZOLLARS
Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

811 Know what's below. Call before you dig.
TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

WINROCK PARTNERS, LLC.
WINROCK TOWN CENTER
REGAL TEMPORARY PARKING LOT

TITLE:
DRAINAGE PLAN

Design Review Committee	City Engineer	Last Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
	J-19-Z	1	3

Plotted: 8/4/2019 8:33:01 AM, By:Eddings, Scott
H:\proj\R303699.04 - Phase C Road B Extension TIDD\10 CAD & BIM\10.1 AutoCAD\Sheet Set Regal Temp\GRADING PLAN.dwg
Last Saved: 8/4/2019 8:31:30 AM, eddings

HYDROLOGY - BASIN 100

DRAINAGE AREA 100

AREA = 58,383 sf
AREA = 1.34 ac.

DRAINAGE ZONE 3
PRECIPITATION:
360 = 2.60 in.
1140 = 3.10 in.
10day = 4.90 in.

	EXCESS PRECIPITATION:	PEAK DISCHARGE:
TREATMENT A	0.66 in.	1.87 cfs/ac.
TREATMENT B	0.92 in.	2.60 cfs/ac.
TREATMENT C	1.29 in.	3.45 cfs/ac.
TREATMENT D	2.36 in.	5.02 cfs/ac.

EXISTING CONDITIONS:	%	AREA	PROPOSED CONDITIONS: %	AREA
TREATMENT A	0%	0.00 ac.	0%	0.00 ac.
TREATMENT B	0%	0.00 ac.	0%	0.00 ac.
TREATMENT C	0%	0.00 ac.	0%	0.00 ac.
TREATMENT D	100%	1.34 ac.	100%	1.34 ac.

EXISTING EXCESS PRECIPITATION:

Weighted E = (0.66)x(0.00)+(0.92)x(0.00)+(1.29)x(0.00)+(2.36)x(1.34)/ 1.34 ac.
= 2.36 in.
V100-360 = (2.36)x(1.34)/ 12 = 0.263590 ac-ft = 11482 cf

EXISTING PEAK DISCHARGE:

Q100 = (1.87)x(0.00)+(2.60)x(0.00)+(3.45)x(0.00)+(5.02)x(1.34)= 6.73 cfs

PROPOSED EXCESS PRECIPITATION:

Weighted E = (0.66)x(0.00)+(0.92)x(0.00)+(1.29)x(0.00)+(2.36)x(1.34)/ 1.34 ac.
= 2.36 in.
V100-360 = (2.36)x(1.34)/ 12.0 = 0.263590 ac-ft = 11482 cf

V100-1440 = (0.26)+(1.34)x(3.10 - 2.60)/ 12 = 0.319436 ac-ft = 13915 cf

V100-10day = (0.26)+(1.34)x(4.90 - 2.60)/ 12 = 0.520479 ac-ft = 22672 cf

PROPOSED PEAK DISCHARGE:

Q100 = (1.87)x(0.00)+(2.60)x(0.00)+(3.45)x(0.00)+(5.02)x(1.34)= 6.73 cfs

HYDROLOGY - BASIN 200

DRAINAGE AREA 200

AREA = 10,378 sf
AREA = 0.24 ac.

DRAINAGE ZONE 3
PRECIPITATION:
360 = 2.60 in.
1140 = 3.10 in.
10day = 4.90 in.

	EXCESS PRECIPITATION:	PEAK DISCHARGE:
TREATMENT A	0.66 in.	1.87 cfs/ac.
TREATMENT B	0.92 in.	2.60 cfs/ac.
TREATMENT C	1.29 in.	3.45 cfs/ac.
TREATMENT D	2.36 in.	5.02 cfs/ac.

EXISTING CONDITIONS:	%	AREA	PROPOSED CONDITIONS: %	AREA
TREATMENT A	0%	0.00 ac.	0%	0.00 ac.
TREATMENT B	0%	0.00 ac.	0%	0.00 ac.
TREATMENT C	0%	0.00 ac.	100%	0.24 ac.
TREATMENT D	100%	0.24 ac.	100%	0.24 ac.

EXISTING EXCESS PRECIPITATION:

Weighted E = (0.66)x(0.00)+(0.92)x(0.00)+(1.29)x(0.00)+(2.36)x(0.24)/ 0.24 ac.
= 2.36 in.
V100-360 = (2.36)x(0.24)/ 12 = 0.046855 ac-ft = 2041 cf

EXISTING PEAK DISCHARGE:

Q100 = (1.87)x(0.00)+(2.60)x(0.00)+(3.45)x(0.00)+(5.02)x(0.24)= 1.20 cfs

PROPOSED EXCESS PRECIPITATION:

Weighted E = (0.66)x(0.00)+(0.92)x(0.00)+(1.29)x(0.24)+(2.36)x(0.24)/ 0.24 ac.
= 3.65 in.
V100-360 = (3.65)x(0.24)/ 12.0 = 0.072467 ac-ft = 3157 cf

V100-1440 = (0.07)+(0.24)x(3.10 - 2.60)/ 12 = 0.082393 ac-ft = 3589 cf

V100-10day = (0.07)+(0.24)x(4.90 - 2.60)/ 12 = 0.118130 ac-ft = 5146 cf

PROPOSED PEAK DISCHARGE:

Q100 = (1.87)x(0.00)+(2.60)x(0.00)+(3.45)x(0.24)+(5.02)x(0.24)= 2.02 cfs

HYDROLOGY - BASIN 300

DRAINAGE AREA 300

AREA = 91,408 sf
AREA = 2.10 ac.

DRAINAGE ZONE 3
PRECIPITATION:
360 = 2.60 in.
1140 = 3.10 in.
10day = 4.90 in.

	EXCESS PRECIPITATION:	PEAK DISCHARGE:
TREATMENT A	0.66 in.	1.87 cfs/ac.
TREATMENT B	0.92 in.	2.60 cfs/ac.
TREATMENT C	1.29 in.	3.45 cfs/ac.
TREATMENT D	2.36 in.	5.02 cfs/ac.

EXISTING CONDITIONS:	%	AREA	PROPOSED CONDITIONS: %	AREA
TREATMENT A	0%	0.00 ac.	0%	0.00 ac.
TREATMENT B	0%	0.00 ac.	0%	0.00 ac.
TREATMENT C	0%	0.00 ac.	100%	2.10 ac.
TREATMENT D	100%	2.10 ac.	0%	0.00 ac.

EXISTING EXCESS PRECIPITATION:

Weighted E = (0.66)x(0.00)+(0.92)x(0.00)+(1.29)x(0.00)+(2.36)x(2.10)/ 2.10 ac.
= 2.36 in.
V100-360 = (2.36)x(2.10)/ 12 = 0.412693 ac-ft = 17977 cf

EXISTING PEAK DISCHARGE:

Q100 = (1.87)x(0.00)+(2.60)x(0.00)+(3.45)x(0.00)+(5.02)x(2.10)= 10.53 cfs

PROPOSED EXCESS PRECIPITATION:

Weighted E = (0.66)x(0.00)+(0.92)x(0.00)+(1.29)x(2.10)+(2.36)x(0.00)/ 2.10 ac.
= 1.29 in.
V100-360 = (1.29)x(2.10)/ 12.0 = 0.225582 ac-ft = 9826 cf

V100-1440 = (0.23)+(0.00)x(3.10 - 2.60)/ 12 = 0.225582 ac-ft = 9826 cf

V100-10day = (0.23)+(0.00)x(4.90 - 2.60)/ 12 = 0.225582 ac-ft = 9826 cf

PROPOSED PEAK DISCHARGE:

Q100 = (1.87)x(0.00)+(2.60)x(0.00)+(3.45)x(2.10)+(5.02)x(0.00)= 7.24 cfs

INLET ANALYSIS

Huitt-Zollars, Inc.

Inlet Worksheet (Sump Condition) for Road B Extension

Objective : Design a Type C or Type D Inlet in Sump Condition for a 100-year flow

1 Inlet to collect peak flow amount before overtopping headwall.

2 Grate Dimensions

35.5
18.5* 18.5
35.5*

**Net dimensions of open area of a single grate.
(Total Area less Area of Bars)

Weir Perimeter = 9.0 ft
Area of Orifice = 4.6 sf

3 Calculate Orifice and Weir Flow into Grate at Design Depth

Orifice Equation	Weir Equation
Q = 0.6 x A x (2 x g x h)^1/2	Q=2.65 x P x H^1/2
Where	Where
A = 4.6 sq. ft.	P= 9.0 ft
g = 32.2 ft *2/sec	H= 0.5 ft
h = 0.5 ft	
Therefore	Therefore
Q = 15.5 cfs	Q = 16.9 cfs

Orifice Equation controls
Grate Capacity = 15.5 cfs

4 Apply 25% Clogging Factor to determine allowable design flow into inlet

15.5 x 0.75 **12 cfs**

Therefore Capacity of Single C/D Inlet in Sump Condition = 12 cfs

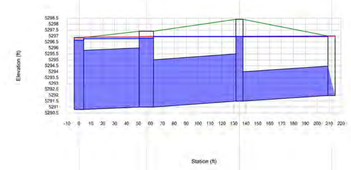
Capacity of Double C/D Inlet in Sump Condition = 23 cfs

*Grate Capacities do not account for curb opening inflow. Therefore, inlet capacities are the same for Type C and Type D inlets.

WINROCK SD - APB.stsw
8/21/2019

STORM CAD OUTPUT

Profile Report
Profile: REGAL PARKING LOT INLET
REGAL PARKING LOT INLET - Base



ID\Label	40 \ LINE 5	39 \ LINE 7	170 \ CO-62	
Link Length (ft)	56.6	78.1	77.3	
Rise (in)\Material	60.0 \ PVC	48.0 \ PVC	30.0 \ PVC	
Flow (cfs)	55.6	7.5	7.5	
Slope (ft/ft)	0.004	0.006	0.006	
ID\Label	34 \ MH 4	35 \ MH 5	37 \ MH 7	169 \ REGAL TEMP. INLET
Ground (ft)	5296.87	5297.40	5298.40	5297.00
Invert (ft)	5290.80	5291.00	5291.50	5291.97
Station (ft)	0.0	56.6	134.7	212.0

Bentley Systems, Inc. Haestad Methods Solution Center
27 Siemon Company Drive Suite 200 W Watertown, CT 06795 USA +1-203-755-1666

Bentley StormCAD V8i (SELECTseries 5)
[08.11.05.58]
Page 1 of 1

FUTURE PARK POND

Winrock Town Center Regal Temporary Parking Lot
Proposed Pond Rating Curve
September 2019

Depth	Area		Volume	Cum. Volume	Cum. Volume
(ft)	(sq ft)	(ac)	(ac-ft)	(ac-ft)	(CF)
5297.4	36439	0.837	0	0	0
5297.6	38078	0.874	0.171	0.171	7452
5297.8	44957	1.032	0.191	0.362	15755
5298.0	46756	1.073	0.211	0.572	24927

Top of Pond = 5298
Bottom of Pond = 5297.4

Maximum Water Surface Elevation = 5297.6
Required Pond Volume: 2 x 9,826 CF = 19,652 CF WHICH IS TWICE THE 100-YR 10-DAY EVENT
Provided Pond Volume = 24,927 CF

AS BUILT INFORMATION
CONTRACTOR DATE
WORK STAKED BY DATE
INSPECTORS ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO. DATE

BENCH MARKS
FOUND MONUMENT "20_H18"
STANDARD 3 1/4" ALUMINUM DISC (FOUND IN PLACE)
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N=1,493,154.978
E=1,545,048.210
PUBLISHED ELEVATION (NAVD 1988)
GROUND TO GRID FACTOR=0.999961580
DELTA ALPHA ANGLE=-0°11'00.11"

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
SCOTT A. EDDINGS
NEW MEXICO
12856
REGISTERED PROFESSIONAL ENGINEER
8/9/19

NO. DATE REMARKS BY
REVISIONS
DESIGN
DESIGNED BY: LRT DATE: SEP. 3, 2019
DRAWN BY: SAE DATE: AUG. 3, 2019
DWG NAME: GRADING PLAN.dwg PROJ #: R303699.04
CHECKED BY: SAE DATE: SEP. 3, 2019

811 Know what's below. Call before you dig.
TWO WORKING DAYS
BEFORE YOU DIG CALL
811 OR 260-1990

Designed By:
HUITT-ZOLLARS
Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

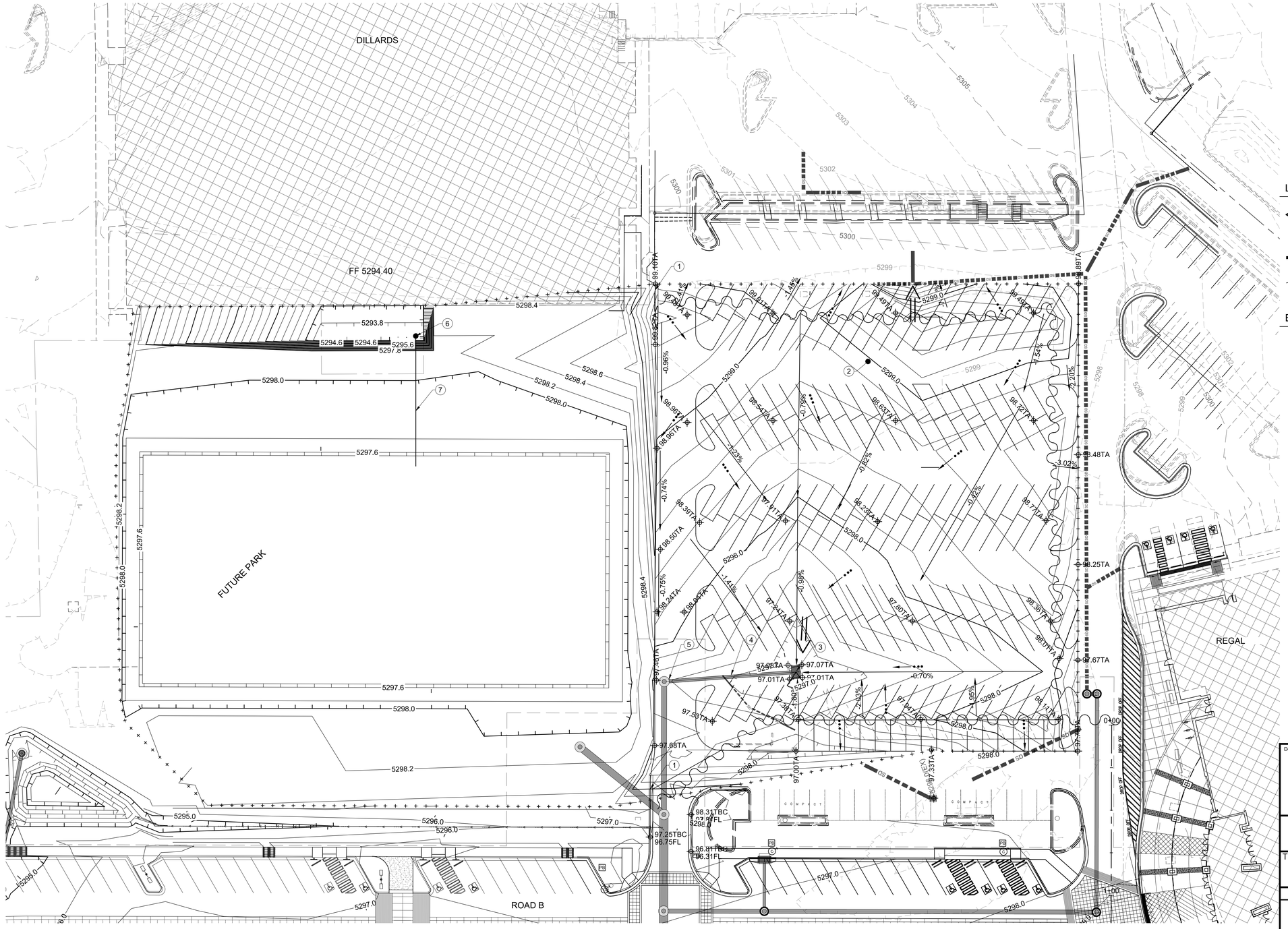
WINROCK PARTNERS, LLC.
WINROCK TOWN CENTER
REGAL TEMPORARY PARKING LOT

TITLE:
HYDROLOGY &
HYDRAULICS

Design Review Committee	City Engineer	Last Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
	J-19-Z	2	3

Plotted: 8/4/2019 8:34:13 AM, By:Eddings, Scott
H:\proj\R303699.04 - Phase C Road B Extension TIDD\10 CAD & BIM\10.1 AutoCAD\Sheet Set Regal Temp\GRADING PLAN.dwg
Last Saved: 8/4/2019 8:34:02 AM, eddings



REGAL TEMPORARY PARKING LOT

CONSTRUCTION NOTES

1. CONSTRUCT 6" ASPHALT CURB PER COA STD. DWG. 2415
2. CONSTRUCT 3" SP-C ASPHALT PARKING LOT.
3. CONSTRUCT PRIVATE STORM DRAIN 24" HDPP
4. INSTALL PRIVATE TYPE D INLET
5. CONNECT TO MANHOLE INSTALLED AS PART OF PROJECT 4553.90
6. INSTALL TEMPORARY DRY WELL AND SUMP PUMP
7. INSTALL 2-INCH FLEXIBLE DISCHARGE PIPE. PLACE ON GROUND

LEGEND

- DISCHARGE LOCATION
- FLOW DIRECTION
- LIMITS OF DISTURBANCE
- HIGH POINT

EARTHWORK SUMMARY

CUT: 3,500 CUBIC YARDS
FILL: 300 CUBIC YARDS
NET: 3,200 CUBIC YARDS (EXPORT)

SCALE: 1" = 30'

nm811 Know what's below. Call before you dig.
TWO WORKING DAYS BEFORE YOU DIG CALL 811 OR 260-1990

Designed By:
HUITT-ZOLLARS
Huitt-Zollars, Inc. Albuquerque
6501 Americas Pkwy NE, Suite 550
Albuquerque, New Mexico 87110
Phone (505) 883-8114 Fax (505) 883-5022

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTORS ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS PREPARED BY — DATE
MICRO-FILM INFORMATION
MICROFILMED BY — DATE
NO.

BENCH MARKS
FOUND MONUMENT "20_H18"
STANDARD 3 1/4" ALUMINUM DISC (FOUND IN PLACE)
NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE-N.A.D. 1983)
N=1,493,154.978
E=1,545,048.210
PUBLISHED EL=5293.22 (NAVD 1988)
GROUND TO GRID FACTOR=0.999961580
DELTA ALPHA ANGLE=-0°11'00.11"

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
SCOTT A. EDDINGS NEW MEXICO 12856 REGISTERED PROFESSIONAL ENGINEER
9/3/19

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN
DESIGNED BY: LRT — DATE: SEP. 3, 2019
DRAWN BY: SAE — DATE: AUG. 3, 2019
DWG NAME: GRADING PLAN.dwg — PROJ #: R303699.04
CHECKED BY: SAE — DATE: SEP. 3, 2019

WINROCK PARTNERS, LLC.
WINROCK TOWN CENTER
REGAL TEMPORARY PARKING LOT

TITLE:
GRADING PLAN

Design Review Committee	City Engineer	Last Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
	J-19-Z	3	3

Plotted: 9/4/2019 8:00:16 AM, By: Eddings, Scott
H:\proj\R303699.04 - Phase C Road B Extension TIDD\10 CAD & BIM\10.1 AutoCAD\Sheet Set Regal Temp\GRADING PLAN.dwg
Layout: Sheet 03/2019 7:59:27 AM, eddings