

EXISTING DRAINAGE CONDITION

THE SITE IS AN EXISTING UNDEVELOPED 2.5 ACRE LOT. THE SITE DRAINS FROM SOUTH TO NORTH AND THE SURFACE RUNOFF IS DISCHARGED INTO CUTLER AVE. WHERE IT IS CAPTURED BY AN EXISTING DROP INLET NEAR THE NORTHWEST CORNER OF THE SITE. THERE IS NO OFFSITE RUNOFF THAT ENTERS THE SITE. THE SITE MAY HAVE BEEN USED AS A GRAVEL PARKING LOT IN THE PAST. AS SUCH THE EXISTING LAND TREATMENT WAS CONSIDERED COMPACT GRAVEL WITH TREATMENT "C" GENERATING A RUNOFF OF 7.93 CFS. A PORTION OF THE SITE IS LOCATED IN SHADED ZONE X WITH THE REST IN ZONE X.

PROPOSED DRAINAGE CONDITION

THE SITE WAS DIVIDED UP INTO SEVEN BASINS AS SHOWN ON THE BASIN MAP ON THIS SHEET. BASIN ONE CONSISTS OF THE BACK HALF OF THE LARGE BUILDING AND THE REAR LANDSCAPED AREA. THIS BASIN WILL DRAIN FROM WEST TO EAST IN A SWALE TO A RETENTION POND LOCATED BETWEEN THE BUILDING AND 4TH STREET. THE POND IS SIZED FOR THE 100YR, 10 DAY STORM AND IS ONLY 2 FEET DEEP. THAT POND IS LOCATED IN AN EXISTING OVERHEAD POWERLINE EASEMENT FOR WHICH AN ENCROACHMENT AGREEMENT WILL BE EXECUTED WITH PNM.

BASIN 2 CONTAINS THE WESTERN PORTION OF THE SITE AND THE BACK HALF OF THE SMALL BUILDING. THE RUNOFF WILL FLOW IN A SWALE BEHIND THE SMALL BUILDING TO A STORM WATER QUALITY POND LOCATED AT THE NORTHWEST CORNER OF THE SITE. THE POND IS SIZED TO HOLD THE FIRST FLUSH VOLUME BEFORE DISCHARGING 1.86 CFS INTO A DROP INLET.

BASIN 3 CONTAINS THE EASTERN PARKING LOT AND A SMALL PORTION OF THE LARGE BUILDING. THE RUNOFF WILL SURFACE FLOW TO A RETENTION POND SIZED FOR THE 100YR, 10 DAY STORM AND IS 4 FEET DEEP. THIS POND WILL BE SURROUNDED BY A FENCE TO KEEP PEDESTRIANS OUT.

RUNOFF WILL SURFACE FLOW TO A STORM WATER QUALITY POND LOCATED IN THE NORTHEAST CORNER OF THE SITE. THE POND IS SIZED TO HOLD THE FIRST FLUSH VOLUME PRIOR TO DISCHARGING 3.90 CFS INTO A DROP INLET. THE STORM WATER FROM BASINS 2, 3 AND 4 WILL DISCHARGE 5.76 CFS WA STROM SEWER TO THE EXISTING DROP INLET IN CUTLER AVE.

BASIN 5 CONSISTS OF A LOADING DOCK THAT WILL DRAIN TO A SUMP PUMP. THE SUMP PUMP WILL DISCHARGE THE STORM WATER INTO THE STORM WATER QUALITY POND BEHIND THE LOADING DOCK. BASINS 6 AND 7 CONSIST OF THE ENTRANCE WATER BLOCKS AND WILL DISCHARGE A TOTAL OF .25 CFS TO CUTLER AVE AND 4TH STREET. THE TOTAL STORM WATER DISCHARGED FROM THE PROPOSED PROJECT IS 7.42 CFS WHICH IS BELOW THE EXISTING DISCHARGE OF 7.93.

NOTICE TO CONTRACTORS

Pipe Capacity

Area

 (ft^2)

0.79

0.55

0.79

2' OR 4.5' AS NOTED ON PLAN

CONCRETE CHANNEL

0.250

Slope

(%)

0.6

0.73

1.9

- 1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
- 2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HERON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985.
- 3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
- 4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONNECTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM
- 5. BACKFILL COMPACTION SHALL BE ACCORDING TO TRAFFIC/STREET USE.
- 6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
- 7. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.

(cfs)

3.27

2.22

5.82

8. PRIOR TO WORK WITHIN THE INTERSTATE 40 RIGHT-OF-WAY, A NMDOT PERMIT WILL BE REQUIRED.

Q Provided Q Required Velocity

(cfs)

3.90

1.86

5.76

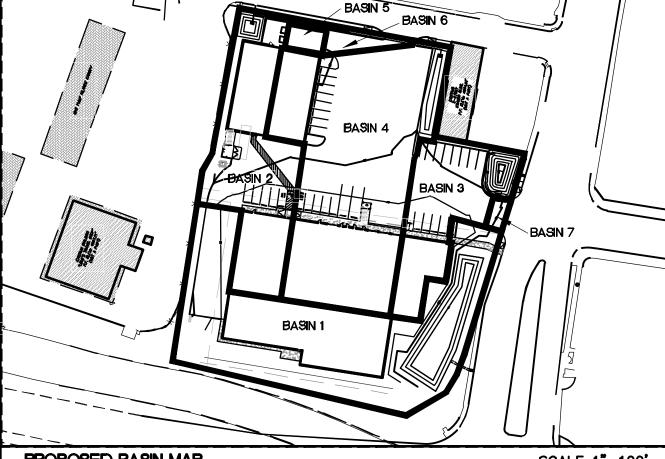
COBBLE SWALE

(ft/s)

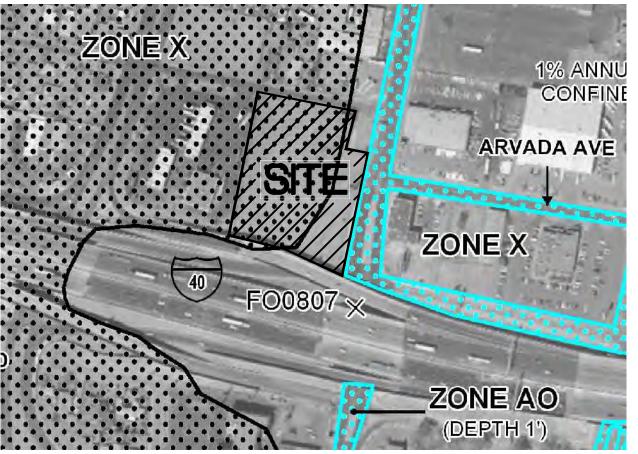
4.97

3.41

7.33



PROPOSED BASIN MAP SCALE 1"=100"



FIRM MAP: (EFFECTIVE DATE 9-26-2008)

35001C0332G Private Drainage Facilities within City Right-of-Way

Notice to Contractor

1. An excavation permit will be required before beginning any work within City Right-Of-Way.

(Special Order 19 ~ "SO-19")

- 2. All work on this project shall be performed in accordance with applicable federal, state and local laws, rules and regulations concerning construction safety and health.
- 3. Two working days prior to any excavation, the contractor must contact New Mexico One Call, dial "811" [or (505) 260-1990] for the location of existing utilities.
- 4. Prior to construction, the contractor shall excavate and verify the locations of all obstructions. Should a conflict exist, the contractor shall notify the engineer so that the conflict can be resolved with a minimum amount of delay.
- 5. Backfill compaction shall be according to traffic/street use.
- 6. Maintenance of the facility shall be the responsibility of the
- owner of the property being served.
- 7. Work on arterial streets may be required on a 24-hour basis. 8. Contractor must contact Augie Armijo at (505) 857-8607 and Construction Coordination at 924-3416 to schedule an

STORMWATER QUALITY

WATER QUALITY MEASURES WILL CONSIST OF RETENTION PONDS SIZED TO RETAIN THE STORMWATER QUALITY VOLUME FROM THE DEVELOPED AREAS. FLOWS WILL BE CONVEYED TO THE PONDS PRIMARILY BY SURFACE DRAINAGE AS WELL AS A PRIVATE STORM DRAIN SYSTEM BETWEEN BUILDINGS "A" AND "B". DRAINAGE VOLUMES IN EXCESS OF THE STORMWATER QUALITY WILL BE DISCHARGED THROUGH A PROPOSED STORM DRAIN SYSTEM AND INTO THE EXISTING PUBLIC STORM DRAIN WITHIN 4TH STREET.

RESEARCH, AS-BUILTS, SURVEYS OR INFORMATION

PROVIDED BY OTHERS. IT SHALL BE THE SOLE

inspection.

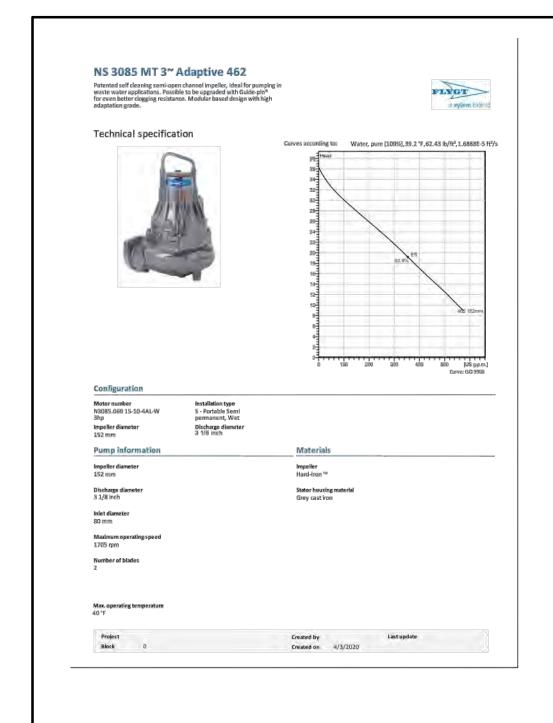
BASIN 1: $9847 \times .32^{"}/12" = 213 \text{ CU.FT.}$ BASIN 2: $15246 \times .32''/12'' = 329$ CU.FT. BASIN 3: $10890 \times .32"/12" = 237 \text{ CU.FT.}$ BASIN 4: $34848 \times .32"/12" = 751 \text{ CU.FT.}$ BASIN 5: $1307 \times .32^{"}/12" = 94 \text{ CU.FT.}$ BASIN 6: $1742 \times .32^{"}/12" = 38 \text{ CU.FT.}$

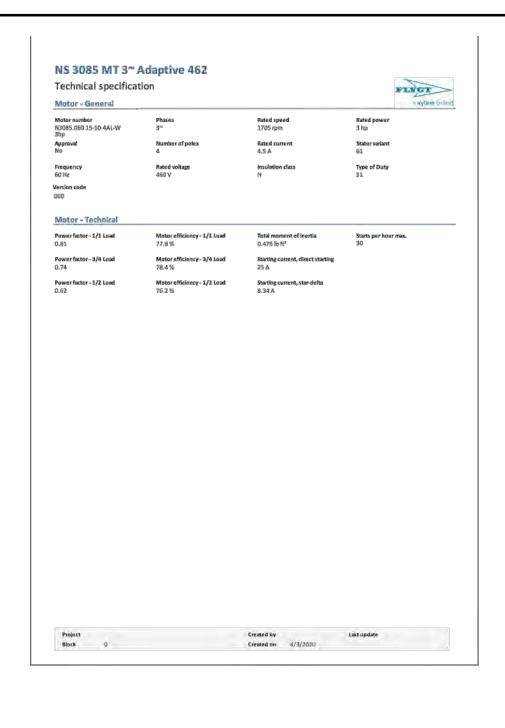
RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO AND INCLUDING ANY EXCAVATION, TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS, PRIOR TO STARTING THE WORK. ANY CHANGES FROM THIS PLAN SHALL BE COORDINATED

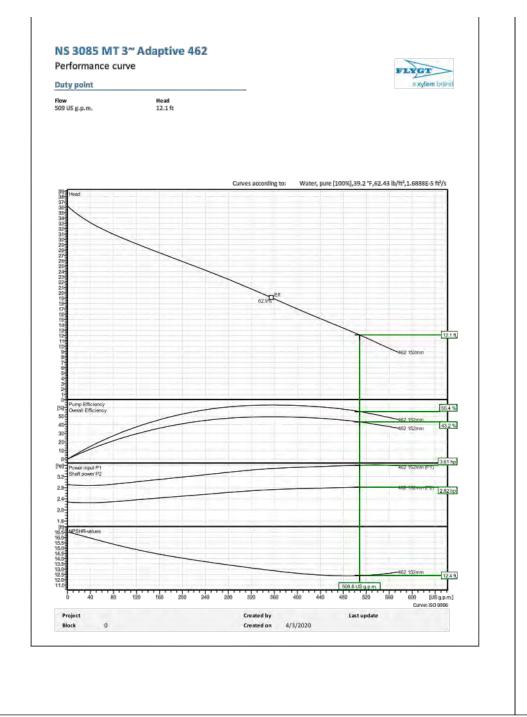
RMWATER QUALITY VOLUME	= 1677 CU.FT. WITH AND APPROVED BY THE EN	GINEER.
ENGINEER'S SEAL	U-HAUL	DRAWN BY RMG
DR. BOHANDAZ TRESSIONAL ENGINE	4TH AND I-40 GRADING AND DRAINAGE	<i>DATE</i> 04/20/2020
	PLAN	2019070-GR
		SHEET #
4/20/2020	5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109	C-2
RONALD R. BOHANNAN P.E. #7868	(505) 858-3100 www.tierrawestlic.com	ЈОВ # 2019070

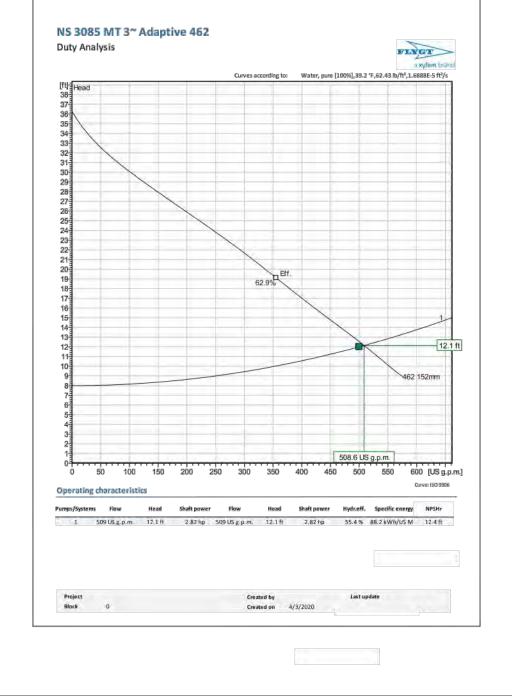
CAUTION: STORMWATER QUALITY CALCULATIONS: ALL EXISTING UTILITIES SHOWN WERE OBTAINED FROM

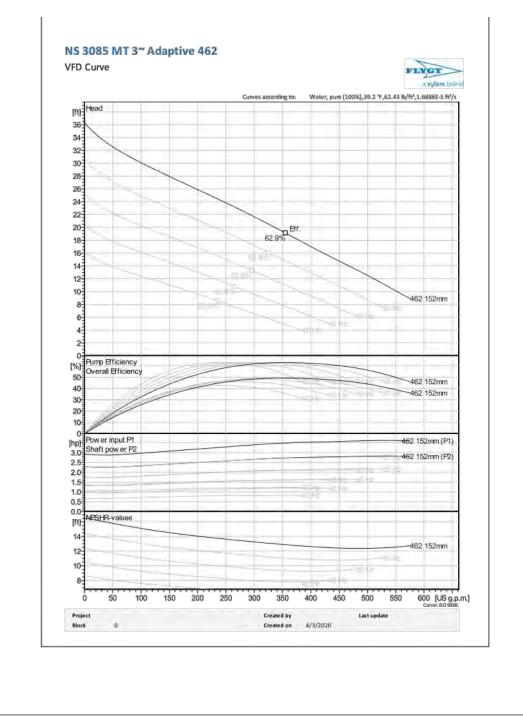
BASIN 7: $436 \times .32^{"}/12" = 15$ CU.FT. TOTAL STORM

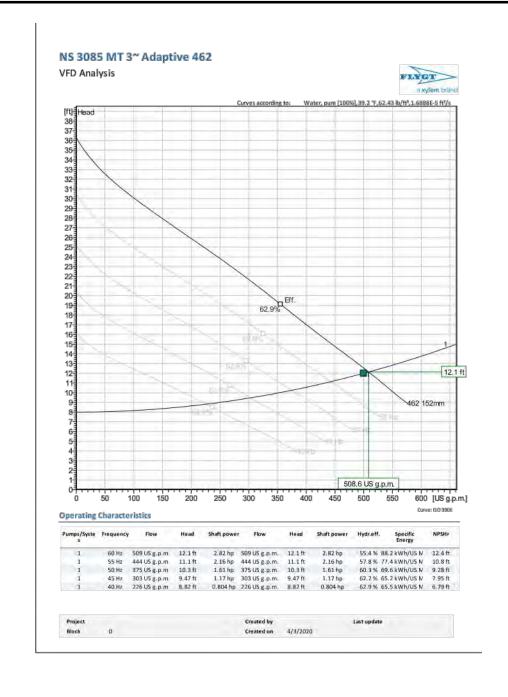


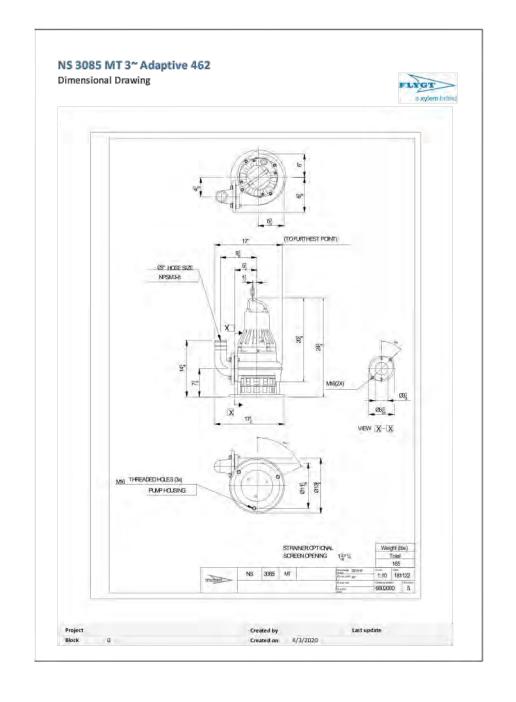


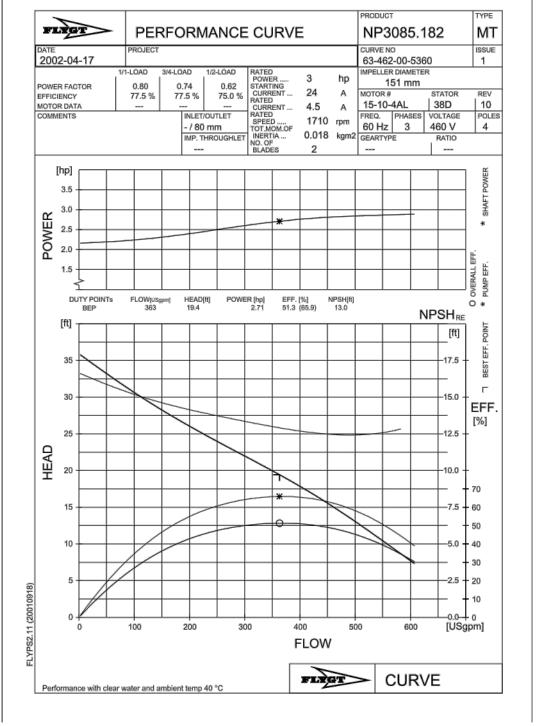


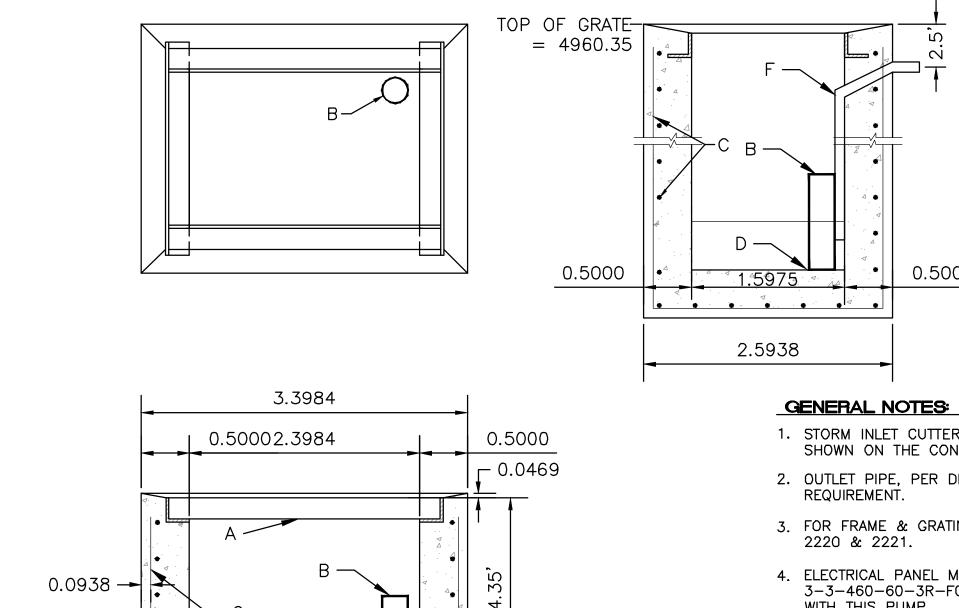












0.2500 0.5000

- 1. STORM INLET CUTTER TRANSITION WILL BE SHOWN ON THE CONSTRUCTION PLANS.
- 2. OUTLET PIPE, PER DESIGN
- 3. FOR FRAME & GRATING, SEE DWG. 2216,
- 4. ELECTRICAL PANEL MODEL FLGT DMC 3-3-460-60-3R-FCP SHALL BE USED WITH THIS PUMP.

CONSTRUCTION NOTES:

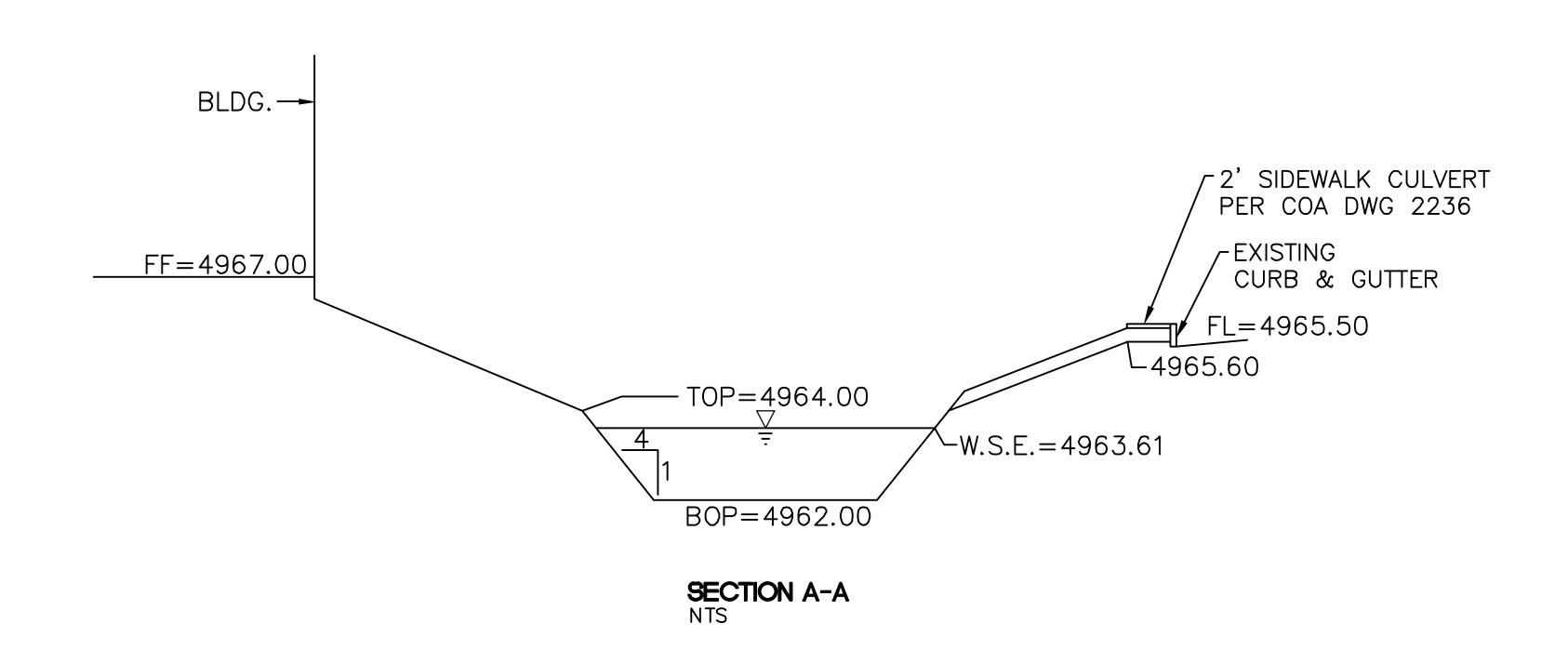
- A. FRAME & GRATE
- B. PUMP
- C. NO. 4 BARS @ 6" O.C. EACH WAY
- D. INVERT = 4956.00
- E. CONC. FILL, SEE NOTE C DWG 2201
- F. 3" DISCHARGE PIPE

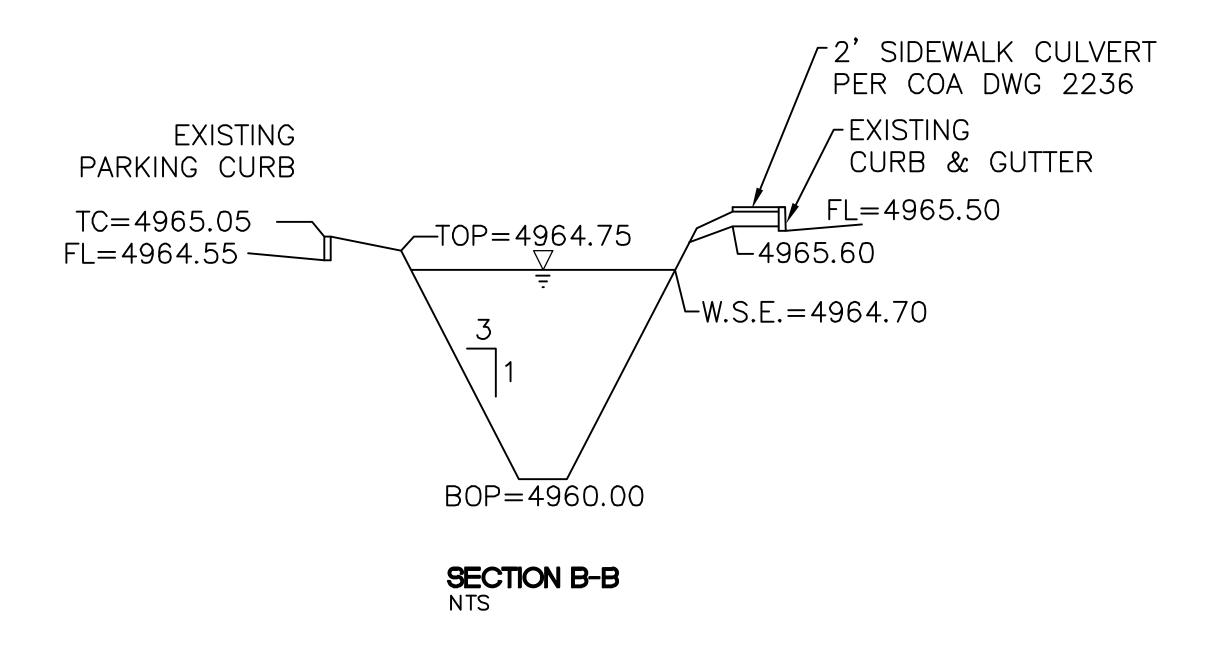
SUMP PUMP DETAIL

CAUTION:

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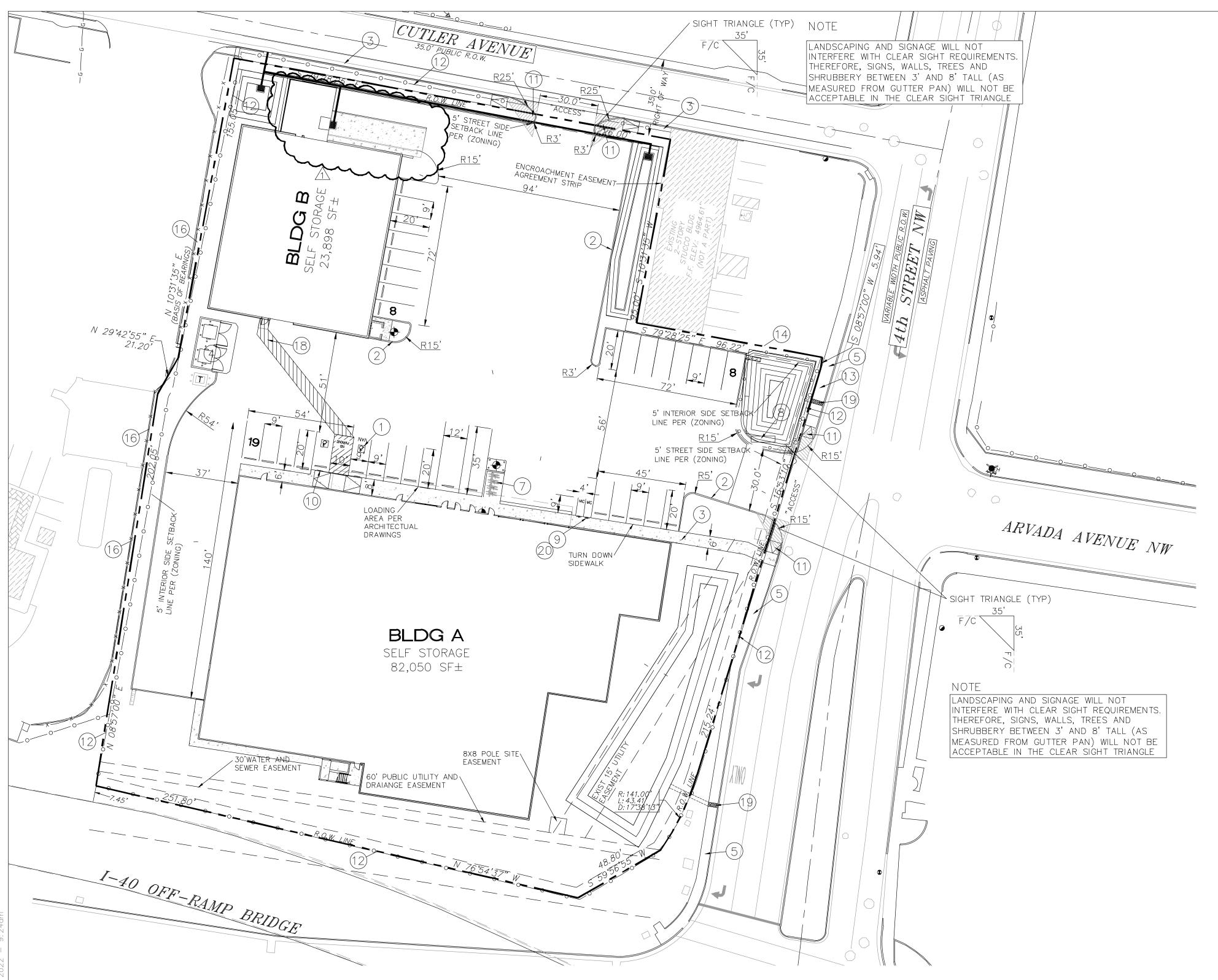
ENGINEER'S SEAL	U-HAUL	DRAWN BY RMG
OR. BOHANDA	4TH AND 1-40 GRADING AND DRAINAGE	<i>DATE</i> 4/20/2020
(7868)	PLAN - DETAIL	2019070-GR
PO CHARLENGING		SHEET #
4/20/2020	5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109	C-3
RONALD R. BOHANNAN P.E. #7868	(505) 858—3100 www.tierrawestllc.com	ЈОВ # 2019070





ENGINEER'S SEAL	U-HAUL	DRAWN BY RMG
ON METICO Z	4TH AND I-40 GRADING AND DRAINAGE	<i>DATE</i> 04/20/2020
7868 O Z	PLAN - SECTIONS	2019070-GR
The state of the s		SHEET #
4/20/2020	TIERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109	C-4
RONALD R. BOHANNAN P.E. #7868	(505) 858-3100 www.tierrawestllc.com	ЈОВ # 2019070

:019\2019070 U—Haul 4th St & I—40\dwg\DRB\2019070—GR.dwg Apr :



LEGEND CURB & GUTTER BOUNDARY LINE ---- EASEMENT CENTERLINE **RIGHT-OF-WAY** BUILDING SIDEWALK/CONCRETE **ASPHALT** EXISTING CURB & GUTTER STREET LIGHTS

KEYED NOTES

- (1) ACCESSIBLE PARKING: THE ADA ACCESS AISLES SHALL HAVE THE WORDS "NO PARKING" IN CAPITAL LETTERS, EACH OF WHICH SHALL BE AT LEAST ONE FOOT HIGH AND AT LEAST TWO INCHES WIDE, PLACED AT THE REAR OF THE PARKING SPACE SO AS TO BE CLOSE TO WHERE AN ADJACENT VEHICLE'S REAR TIRE WOULD BE PLACED SEE DETAIL SHEET C5
- (2) NEW CURB AND GUTTER SEE DETAIL SHEET C5
- (3) NEW 6' CONCRETE SIDEWALK PER COA STD DWG 2430
- (4) DOUBLE DUMPSTER W/RECYCLE SEE DETAIL SHEET C6
- (5) EXISTING SIDEWALK, ALL BROCKEN OR CRACKED SIDEWALK MUST BE REPLACED WITH SIDEWALK AND CURB & GUTTER SEE DETAIL SHEET C5 PER C.O.A. DWG. 2415A & B.
- (6) CURB RETURN HANDICAP RAMP SEE DETAIL SHT C5
- (7) BICYCLE PARKING SEE DETAIL SHEET C5
- (8) MONUMENT SIGN
- (9) MOTORCYCLE PARKING SIGN SEE DETAIL SHEET C5 (TYP ONE FOR EACH SPACE)
- (10) HANDICAP PARKING SIGN SEE DETAIL SHEET 5 (TYP ONE FOR EACH SPACE)
- (11) UNIDIRECTION ACCESSIBLE RAMP SEE DETAIL SHEET 5
- (12) EXISTING CHAINLINK FENCE, TO BE REMOVED AT END OF CONSTRUCTION.
- (13) CITY OF ALBUQUERQUE BUS STOP
- (14) EXISTING TUBULAR STEEL FENCE
- (15) NOT USED
- (16) NO PARKING SIGN
- (16) EXISTING ACCESS TO BE REMOVED AND REPLACED WITH STANDARD CURB AND GUTTER PER COA STD DWG 2415A
- (17) ACCESSIBLE HANDICAP RAMP SEE DETAIL SHEET C5
- (18) 6' CROSSWALK SEE DETAIL SHEET C6
- (19) 2' SIDEWALK CULVERT PER COA STD DWG 2236.
- (20) TRANSITION TO RAISED SIDEWALK

INTERSTATE 40 VICINITY MAP:

LEGAL DESCRIPTION:

TRACT C OF ALEXANDER CENTER (EXCL S'LY PORT OUT TO R/W)

UPC NO: 101405927019832507

SITE DATA

ZONE: M-MIX

ADDRESS:

PROPOSED USAGE: AUTOMOBILE & TRUCK RENTAL, EQUIPMENT STORAGE, SELF-STORAGE FACILITIES, WAREHOUSING & STORAGE

2217 4TH STREET N.W.

ESTABLISHMENTS

IDO CLASSIFICATION: MERCANTILE (GROUP M) LOT AREA: 108,900 SF (2.50 ACRES)

BUILDING AREA: BUILDING "A": 27,875 SF / BUILDING "B": 7,966 SF

PARKING REQUIRED: 35 SPACES (1 SPACE PER 1,000 SF) SELF STORAGE

105,948 SF / 3000 SF = 35 SPACES

35 SPACES PARKING PROVIDED:

HC PARKING REQUIRED: 2 SPACES HC PARKING PROVIDED: 2 SPACES (1 VAN ACCESSIBLE)

MC PARKING REQUIRED: 2 SPACES MC PARKING PROVIDED: 2 SPACES

BICYCLE PARKING REQUIRED: 2 SPACES BICYCLE PARKING PROVIDED: 10 SPACES

LANDSCAPE AREA REQUIRED: 10,959 SF LANDSCAPE AREA PROVIDED: 29,621 SF

NOTICE TO CONTRACTORS

MINIMUM AMOUNT OF DELAY.

- 1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
- 2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985. 3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING
- SERVICE, 260-1990 (OR DIAL 811 LOCALLY), FOR LOCATION OF EXISTING UTILITIES. 4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A
- BACK FILL COMPACTION SHALL BE ACCORDING TO RESIDENTIAL STREET USE. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE
- WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS. 8. ALL BROCKEN OR CRACKED SIDEWALK MUST BE REPLACED WITH SIDEWALK AND CURB & GUTTER SEE DETAIL SHEET C5 PER C.O.A. DWG. 2415A & B.

GENERAL NOTES

AS PART OF THE G.C. BID.

- 1. 4' MINIMUM BURY REQUIRED FOR ALL UTILITIES UNLESS NOTED.
- 2. REFERENCE ARCHITECTURAL PLANS FOR WATER LINE RISER LOCATION. ALL STUBS AND UTILITY LOCATIONS MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
- 4. CLEAN OUTS TO BE BUILT PER UNIFORM PLUMBING CODE STANDARDS. 5. CLEAN OUTS & MANHOLE TIE POINTS ARE TAKEN USING THE NW PROPERTY CORNER X=10,000, Y=10,000 SEE TABLE 2.
- 6. SEE ARCHITECTURAL PLANS FOR LIGHTING CONDUITS AND TELEPHONE LINES.
- 7. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED—OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P. 8. SEE ELECTRICAL PLANS FOR ALL LIGHT POLES & LIGHT POLE LOCATIONS. ALL LIGHT POLES
- BASES SHALL BE STRAIGHT AND PLASTERED SMOOTH. TOP OF LIGHT BASE SHALL BE 2'-6" ABOVE TOP OF CURB/SIDEWALK. BASES PROVIDED BY G.C., TYP. 9. XACTAIR STATION ON 30"X36" CONCRETE PAD. EQUIPMENT PROVIDED BY OWNER. G.C. TO
- PROVIDE ELECTRICAL SERVICE AND INSTALL AIR STATION EQUIPMENT. 10. ALL UTILITY DIGGING OR OTHER EXCAVATION SHALL TAKE IN CONSIDERATION EXISTING SIDEWALKS, CURB & GUTTERS AND OTHER STRUCTURES THAT MAY NEED TO BE REMOVED AND/OR REPLACED
- 11. ALL RETAIL PRODUCT AREAS ARE TO BE UNDER THE BUILDINGS PERMANENT ROOF. 12. LANDSCAPE PLANTERS ARE TO BE 3'-0" WIDE AND 6'-0" IN LENGTH WITH A HEIGHT BETWEEN 12-18" ABOVE FINISHED GRADE. USE CMU BLOCK WITH THE FINISH MATCHING THE DUMPSTER ENCLOSURE WALL, SEE DETAIL SHEET C10 FOR DUMPSTER ENCLOSURE DETAIL. APPLY DRYLOCK SHIELD OR SIMILAR APPLICATION TO THE INSIDE OF THE CMU PLANTERS.

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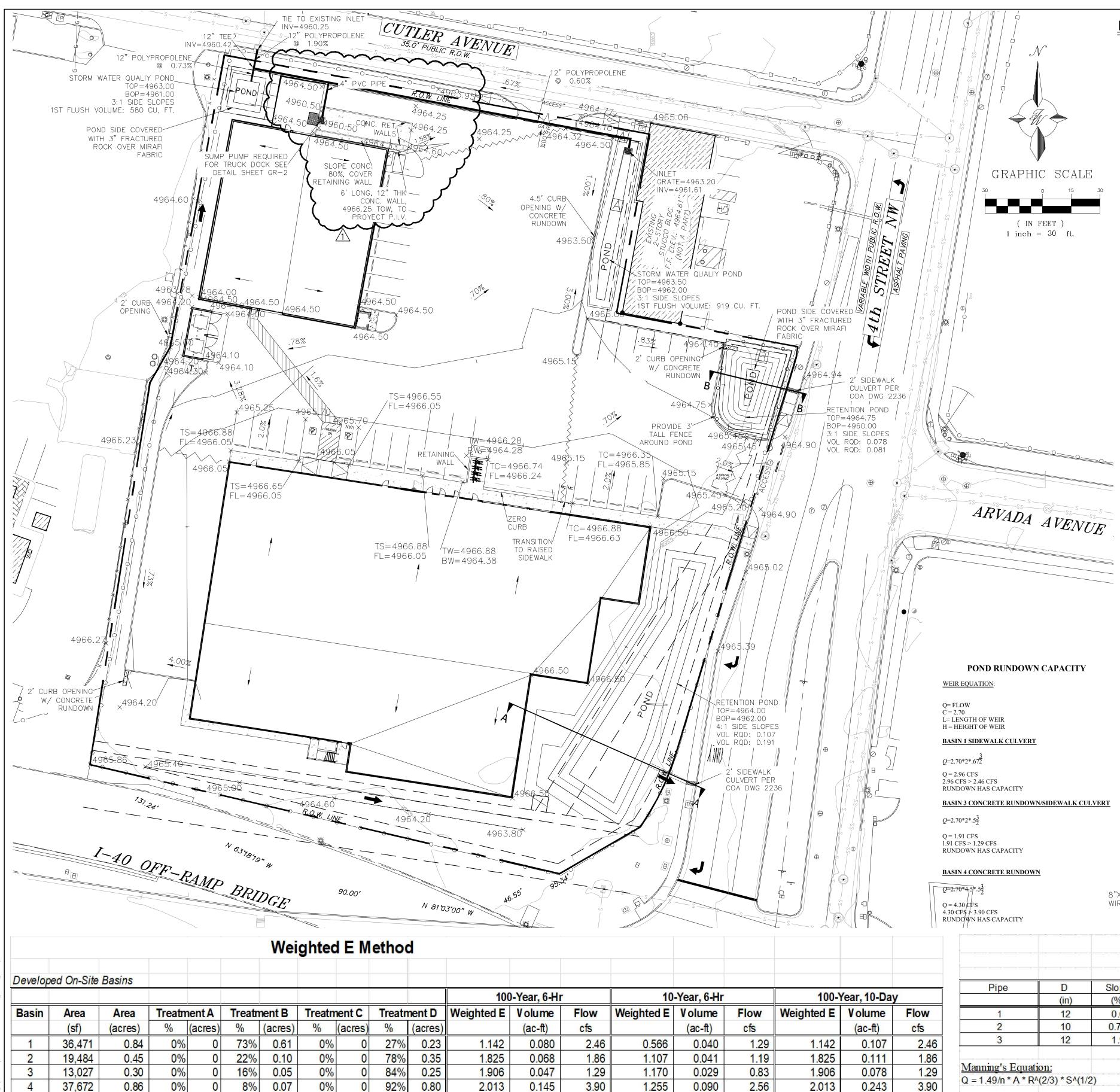
GRAPHIC SCALE (IN FEET) 1 inch = 30 ft.

P.E. #7868

1 NO.	08-09-2022 DATE	REVISI	E LOADING DOCK AND FORKLIFT APPROACH REMARKS		RMG BY	
	I		REVISIONS			
	ENGINEER'S SEAL		SEAL		DRAWN BY RMG	
OTALO R. BOHAN		4TH AND I-40 TRAFFIC CIRCULATION		<i>DATE</i> 8/9/2022		

ENGINEER'S SEAL	U-HAUL	DRAWN BY RMG
ON MEXICO Z	4TH AND I-40 TRAFFIC CIRCULATION	<i>DATE</i> 8/9/2022
((7868))	LAYOUT	2019070-TCL
PROFIT SOLUTION		SHEET #
8/9/2022	TIERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109	C-1
RONALD R. BOHANNAN	(505) 858-3100 www.tierrawestllc.com	JOB #

2019070



0.004

0.007

0.002

Total Discharge

100-Year, 6-Hr

1.130 0.238

0.12

0.19 0.06

Flow

7.93

1.340

1.340

1.340

0.003

0.004

0.002

2.120

2.120

2.120

4

Basin

1.739

Undeveloped On-Site Basins

Area

110,000

2.53

0%

600

0%

0.00

% (acres) % (acres) % (acres)

0% 0.00 100% 2.525

0% 0.00 100% 0.04

(acres

0.00

Treatment A | Treatment B | Treatment C | Treatment D | Weighted E | Volume

			Pipe Cap	pacity	
Pipe	D	Slope	Area	R	Q Provided
	(in)	(%)	(ft^2)		(cfs)
1	12	0.6	0.79	0.250	3.27
2	10	0.73	0.55	0.208	2.22
3	12	1.9	0.79	0.250	5.82
Manning's Equat	ion:				
Q = 1.49/n * A * R	^(2/3) * S^(1/	2)			
Λ —	Area				
	D/4				
·····	Slope				
n=	0.011				

LEGEND ■ CURB & GUTTER BOUNDARY LINE EASEMENT CENTERLINE RIGHT-OF-WAY BUILDING SIDEWALK CONTOUR MAJOR CONTOUR MINOR SPOT ELEVATION (FLOWLINE) × 5048.25 FLOW ARROW — — — EXISTING CURB & GUTTER ----- EXISTING BOUNDARY LINE EXISTING CONTOUR MAJOR EXISTING CONTOUR MINOR EXISTING SPOT ELEVATION x 5048.25

EXISTING DRAINAGE CONDITION:

(IN FEET)

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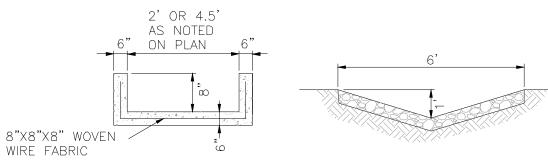
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NOTICE TO CONTRACTORS

- 1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK
- 2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985.
- 3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
- 4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONNECTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF
- 5. BACKFILL COMPACTION SHALL BE ACCORDING TO TRAFFIC/STREET USE.
- 6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY
- 7. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.
- 8. PRIOR TO WORK WITHIN THE INTERSTATE 40 RIGHT-OF-WAY, A NMDOT PERMIT WILL BE REQUIRED.



DBBLE SWALE

					·		2-
pe D		Slope	Area	R	Q Provided	Q Required	Velocity
	(in)	(%)	(ft^2)		(cfs)	(cfs)	(ft/s)
1	12	0.6	0.79	0.250	3.27	3.90	4.97
2	10	0.73	0.55	0.208	2.22	1.86	3.41
3 12		1.9	0.79	0.250	5.82	5.76	7.33
's Equat:	ion:						
n * A * R/	^(2/3) * S^(1/2	2)					
A =	Area						
R=	D/4	>					
S =	Slope						
							2

01 01 III	,,,,,		·/ W			711011	-			
BASIN	1:	9847	Х	.32"/12"	=	213	CU.	FT.		
BASIN	2:	15246	Х	.32"/12"	=	329	CU.	FT.		
BASIN	3:	10890	Х	.32"/12"	=	237	CU.	FT.		
BASIN	4:	34848	Х	.32"/12"	=	751	CU.	FT.		
BASIN	5:	1307	Х	.32"/12"	=	94	CU.	FT.		
BASIN	6:	1742	Х	.32"/12"	=	38	CU.	FT.		
BASIN	7:	436	Х	.32"/12"	=	15	CU.	FT.		
TOTAL	ST	ORMWAT	ER	QUALITY	VO	LUME	=	1677	CU.I	FT.

2.120

2.120

2.120

0.12

0.19

0.008

0.012

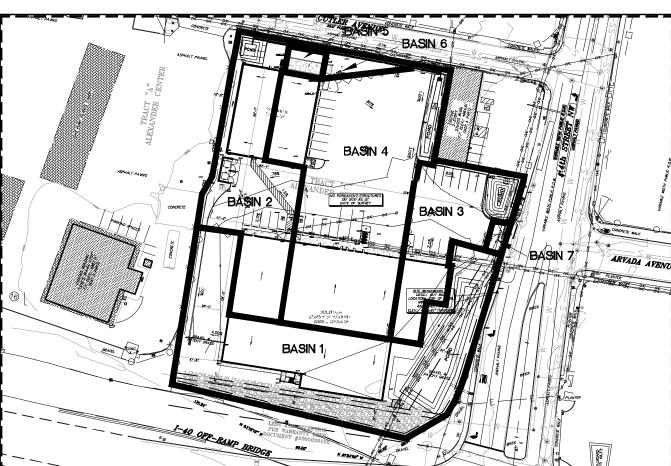
0.004

0.08

0.13

0.04

ALL EXISTING UTILITIES SHOWN WERE OBTAINED FROM RESEARCH, AS-BUILTS, SURVEYS OR INFORMATION PROVIDED BY OTHERS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO AND INCLUDING ANY EXCAVATION, TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS, PRIOR TO STARTING THE WORK. ANY CHANGES FROM THIS PLAN SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.



PROPOSED BASIN MAP

ARVADA AVE

SCALE 1"=100'

35001C0332G

FIRM MAP: (EFFECTIVE DATE 9-26-2008)

Private Drainage Facilities within City Right-of-Way Notice to Contractor (Special Order 19 ~ "SO-19")

- 1. An excavation permit will be required before beginning any work within City Right-Of-Way.
- 2. All work on this project shall be performed in accordance with applicable federal, state and local laws, rules and regulations concerning construction safety and health.
- 3. Two working days prior to any excavation, the contractor must contact **New Mexico One Call, dial "811"** [or (505) 260-1990] for the location of existing utilities.
- 4. Prior to construction, the contractor shall excavate and verify the locations of all obstructions. Should a conflict exist, the contractor shall notify the engineer so that the conflict can be resolved with a minimum amount of delay.
- 5. Backfill compaction shall be according to traffic/street use.
- 6. Maintenance of the facility shall be the responsibility of the owner of the property being served.
- 7. Work on arterial streets may be required on a 24-hour basis.
- 8. Contractor must contact Augie Armijo at (505) 857-8607 and Construction Coordination at 924-3416 to schedule an inspection.

STORMWATER QUALITY

RONALD R. BOHANNAN

P.*E. #7868*

WATER QUALITY MEASURES WILL CONSIST OF RETENTION PONDS SIZED TO RETAIN THE STORMWATER QUALITY VOLUME FROM THE DEVELOPED AREAS. FLOWS WILL BE CONVEYED TO THE PONDS PRIMARILY BY SURFACE DRAINAGE AS WELL AS A PRIVATE STORM DRAIN SYSTEM BETWEEN BUILDINGS "A" AND "B". DRAINAGE VOLUMES IN EXCESS OF THE STORMWATER QUALITY WILL BE DISCHARGED THROUGH A PROPOSED STORM DRAIN SYSTEM AND INTO THE EXISTING PUBLIC STORM DRAIN WITHIN 4TH STREET.

1	08-09-2022	REVISE LOADING DOCK AND FORKLIFT APPROACH	EVISE LOADING DOCK AND FORKLIFT APPROACH							
NO.	DATE	REMARKS		BY						
		REVISIONS								
	ENGINEER'S SEAL	U-HAUL	DR	AWN BY RMG						
TREAT TO THE TOTAL T		4TH AND I-40 GRADING AND DRAINAGE	<i>DATE</i> 08/09/2022							
		PLAN	2019070-GR							
10/K	SSIONAL ENGIN	/	S	HEET #						
fn	8/09/20		(C-2						

(505) 858-3100

www.tierrawestllc.com

JOB #

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