CITY OF ALBUQUERQUE

Planning Department Alan Varela, Interim Director



December 27, 2021

Ronald Bohannan, P.E. Tierra West, LLC 5571 Midway Park Place NE Albuquerque, NM 87109

RE: The Wymont

4315 Wyoming Blvd NE Grading and Drainage Plans Engineer's Stamp Date: 11/02/21 Hydrology File: G19D004

Dear Mr. Bohannan:

PO Box 1293

Based upon the information provided in your submittal received 11/01/2021, the Grading & Drainage Plan **is not** approved for Work Order and Grading Permit. The following comments need to be addressed for approval of the above referenced project:

Albuquerque

NM 87103

www.cabq.gov

- 1. This project already has Site Plan for Building Permit approval. (Letter dated 8/4/21) Once the Work Order and Grading are complete, a pad certification submittal will need to be approved by Hydrology for the townhomes so that individual Building Permits can then be issued for each townhome lot.
- 2. Overall the Grading & Drainage Plan seems to lack a company review or quality control (QA/QC). This review typically ensures that the line weights and text used creates clarity and accuracy which helps both the reviewer and contractor understand the scope of the project. Currently the Grading & Drainage Plan has line weights for the proposed and existing work about the same weight which makes it difficult to tell what is to be constructed. The proposed spot elevations should use some type of terminology which should also be added to the Legend. For example, TP (top of pavement), FL (flow line), TC (top of curb), TW (top of wall), etc. Please ensure that all hatching is called out in the Legend.
- 3. GR-1. This is currently very congested and difficult to read. Please, make this sheet just an overall Grading Plan with added pipe sizes, detention pond labeled, proposed contours, and line work with text showing which pipes and grading are to done under which of the two work orders.

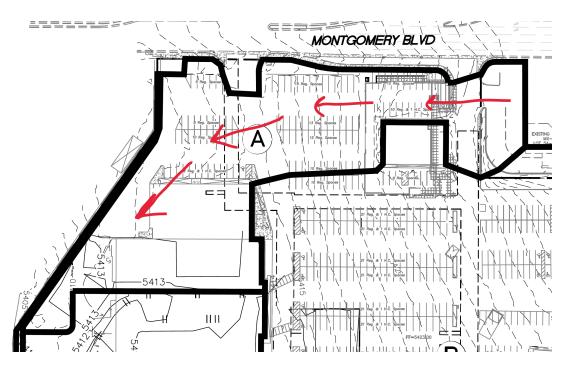
CITY OF ALBUQUERO

Planning Department Alan Varela, Interim Director



Mayor Timothy M. Keller

- 4. GR-1. Please add a note, "Side slopes need to be stabilized with Native Grass Seed (per City Spec 1012) with Aggregate Mulch or equal (Must satisfy the "Final Stabilization criteria" CGP 2.2.14.b.)". This is for the water quality pond.
- 5. Please make two Grading Plans at 1'' = 20'. This will make the grading more readable and less congested.
- 6. GR-2. As with comment #4, this should be two storm pipe plans at 1'' = 20'. Please add the word "Privately maintained" to all on-site storm pipes. This will also include the 24" RCP from the pond outfall structure to the new manhole in La Mirada Lane.
- 7. GR-3. Please relabel this as Master Drainage Plan.
- 8. GR-3. The Existing Drainage Area "A" drains to the west and then to the southwest as shown.



The Proposed Drainage Area "B" goes to the southwest to a proposed inlet structure (to be built in the commercial work order) and the Proposed Drainage Area "C" does not drain to Montgomery as you tried to indicate but the area currently goes to the west as outlined in the Existing Drainage Area "A". So how does this drainage area get to the proposed detention pond to the south?

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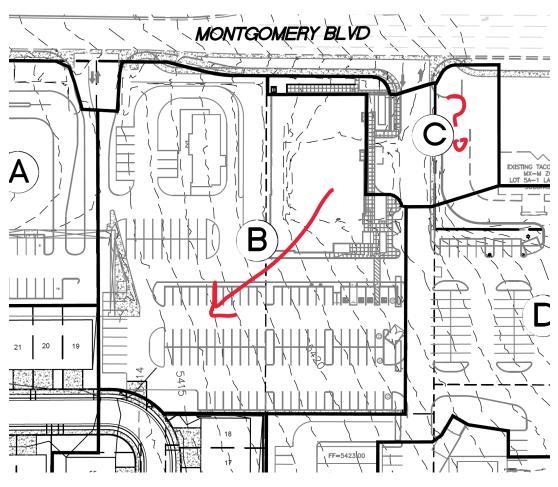
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9. GR-3. There is a statement about providing for a volume of 0.225 AC-FT. Please provide the hydrology routing for the detention pond as outlined in the DPM Article 6-2 Hydrology.

THE WATER QUALITY POND IS SIZED TO CONTAIN THE REQUIRED VOLUME FROM ALL OF THE RESIDENTIAL AND COMMERCIAL BASINS. BASED ON HE CURRENT REQUIREMENTS, THE POND WILL RETAIN A VOLUME OF 0.225 AC-FT. A WATER QUALITY OUTLET STRUCTURE WILL BE PROVIDED IN THE POND AND CONNECT TO THE EXISTING STORM SEWER LOCATED IN LA MIRADA. THE TOTAL FLOW DISCHARGED TO THE LA MIRADA STORM SEWER WILL BE 57.05 CFS WHICH IS 11.10 CFS LESS THAN WHAT IS CURRENTLY DISCHARGED TO THE SYSTEM.

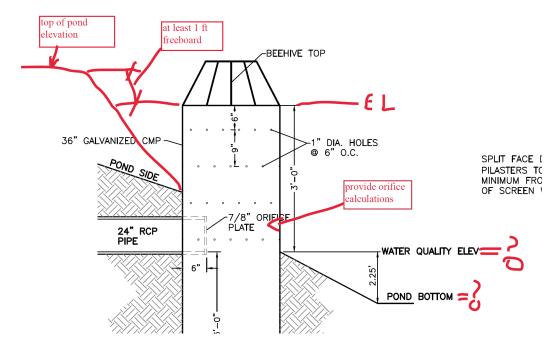
- 10. GR-4. Please provide the weir calculations, per DPM Article 6-16(A), for the concrete channel(s). A coefficient of 2.7 is typically used for the weir equation $Q = CLH^{2/3}$.
- 11. GR-4. Outfall Detail. Please provide the bottom of pond elevation, water quality elevation, top of pond elevation, and the elevation of the beehive top.

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12. GR-4. Please provide the orifice calculation for the 7/8" orifice plate.

Albuquerque

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, PE, jhughes@cabq.gov, 924-3420) 14 days prior to any earth disturbance.

NM 87103

If you have any questions, please contact me at 924-3995 or rbrissette@cabq.gov.

www.cabq.gov

Sincerely,

Renée C. Brissette, P.E. CFM Senior Engineer, Hydrology Planning Department

Renée C. Brissette



City of Albuquerque

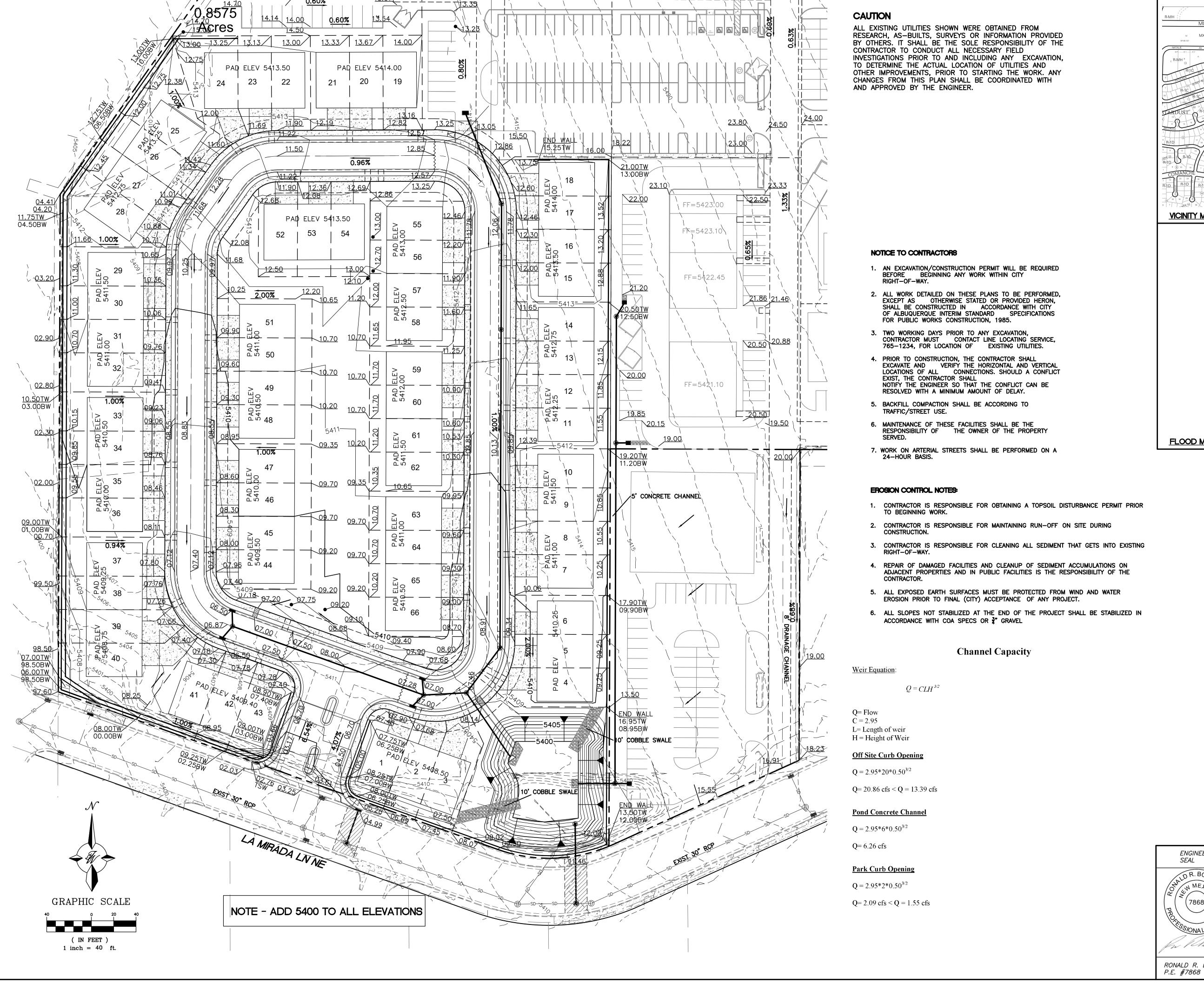
Planning Department

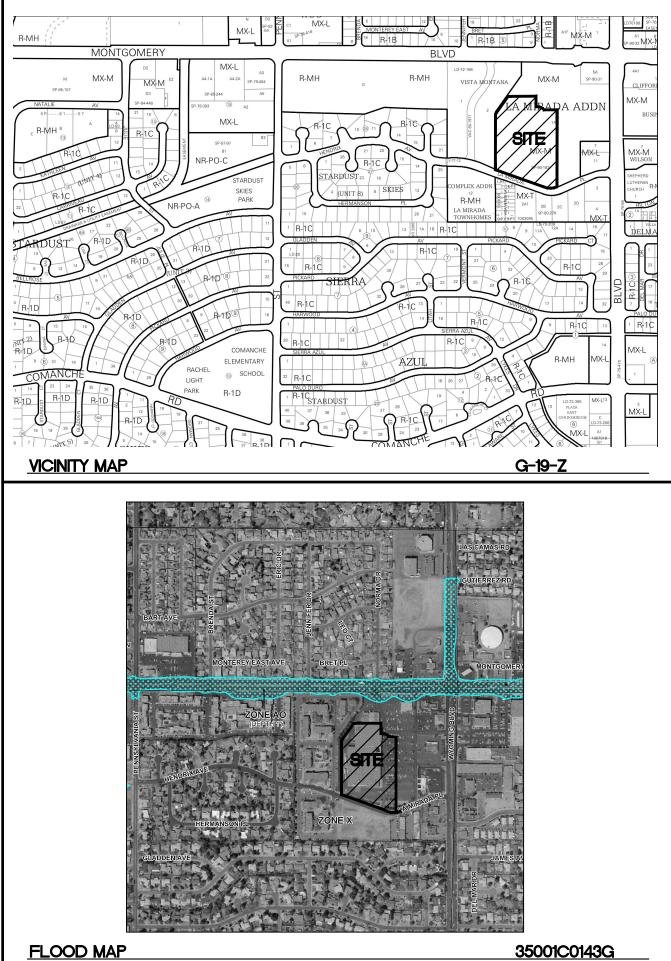
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: Wymont	Building Permit #:_	Hydrology File #:
DRB#:	EPC#:	Work Order#:
Legal Description: (LAND ONLY) LT 1-A-1 PL	AT FOR LOTS 1-A-1 AND 5-A-1 LA MIRADASU!	BDIVISION (BEING COMPRISED OF LOTS 1-A AND 5-A LA MIRADASUBDIVISION)
City Address: 4315 Wyoming Blvd N		
Applicant: Tierra West, LLC		Contact: Jonanthan Niski
Address: 5571 Midway Park Place NE	E Albuquerque, NM 87109	
Phone#: 505-858-3100	Fax#: <u>505-858-1118</u>	E-mail: jniski@tierrawestllc.com
Other Contact:		Contact:
Address:		
		E-mail:
TYPE OF DEVELOPMENT:	PLAT (# of lots) RES	IDENCE DRB SITE X_ADMIN SITE
IS THIS A RESUBMITTAL?	YesXNo	
DEPARTMENT TRANSPORTA	TION <u>X</u> HYDROLOG	GY/DRAINAGE
Check all that Apply:		PE OF APPROVAL/ACCEPTANCE SOUGHT: _ BUILDING PERMIT APPROVAL
TYPE OF SUBMITTAL: ENGINEER/ARCHITECT CERTIFI		_ CERTIFICATE OF OCCUPANCY
PAD CERTIFICATION CONCEPTUAL G & D PLAN		_ PRELIMINARY PLAT APPROVAL
X GRADING PLAN		_SITE PLAN FOR SUB'D APPROVAL
DRAINAGE REPORT		_ SITE PLAN FOR BLDG. PERMIT APPROVAL
DRAINAGE MASTER PLAN		_ FINAL PLAT APPROVAL
FLOODPLAIN DEVELOPMENT PH	ERMIT APPLIC	SIA/ RELEASE OF FINANCIAL GUARANTEE
ELEVATION CERTIFICATE		FOUNDATION PERMIT APPROVAL
CLOMR/LOMR	<u> </u>	GRADING PERMIT APPROVAL
TRAFFIC CIRCULATION LAYOU		SO-19 APPROVAL
TRAFFIC IMPACT STUDY (TIS)		_PAVING PERMIT APPROVAL
STREET LIGHT LAYOUT		_ GRADING/ PAD CERTIFICATION
OTHER (SPECIFY)	<u></u>	_ WORK ORDER APPROVAL
PRE-DESIGN MEETING?		_CLOMR/LOMR
		_ FLOODPLAIN DEVELOPMENT PERMIT
		OTHER (SPECIFY)
DATE SUBMITTED: 11/1/2021	By: Jonathan Nis	ski
COA STAFF:	ELECTRONIC SUBMIT	ΓAL RECEIVED:

FEE PAID:_____







CURB & GUTTER

BOUNDARY LINE

BUILDING

EXISTING CURB & GUTTER

PROPOSED HYDRANT

NEW SD MH

NEW CUR INLET TYPE 'C'

S EXISTING SAS MH

EXISTING GATE VALVE

EXISTING WATERLINE

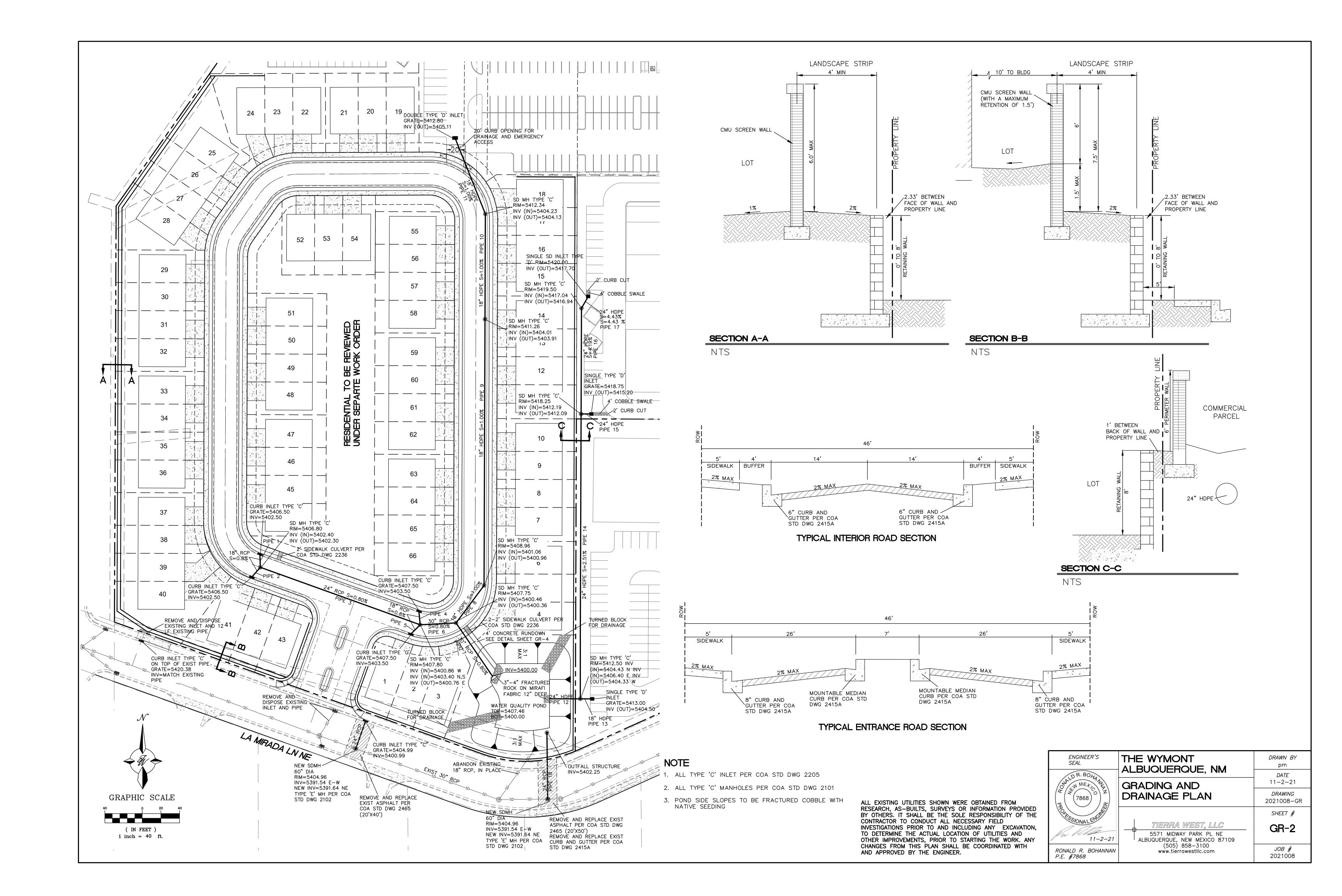
EXISTING SAS

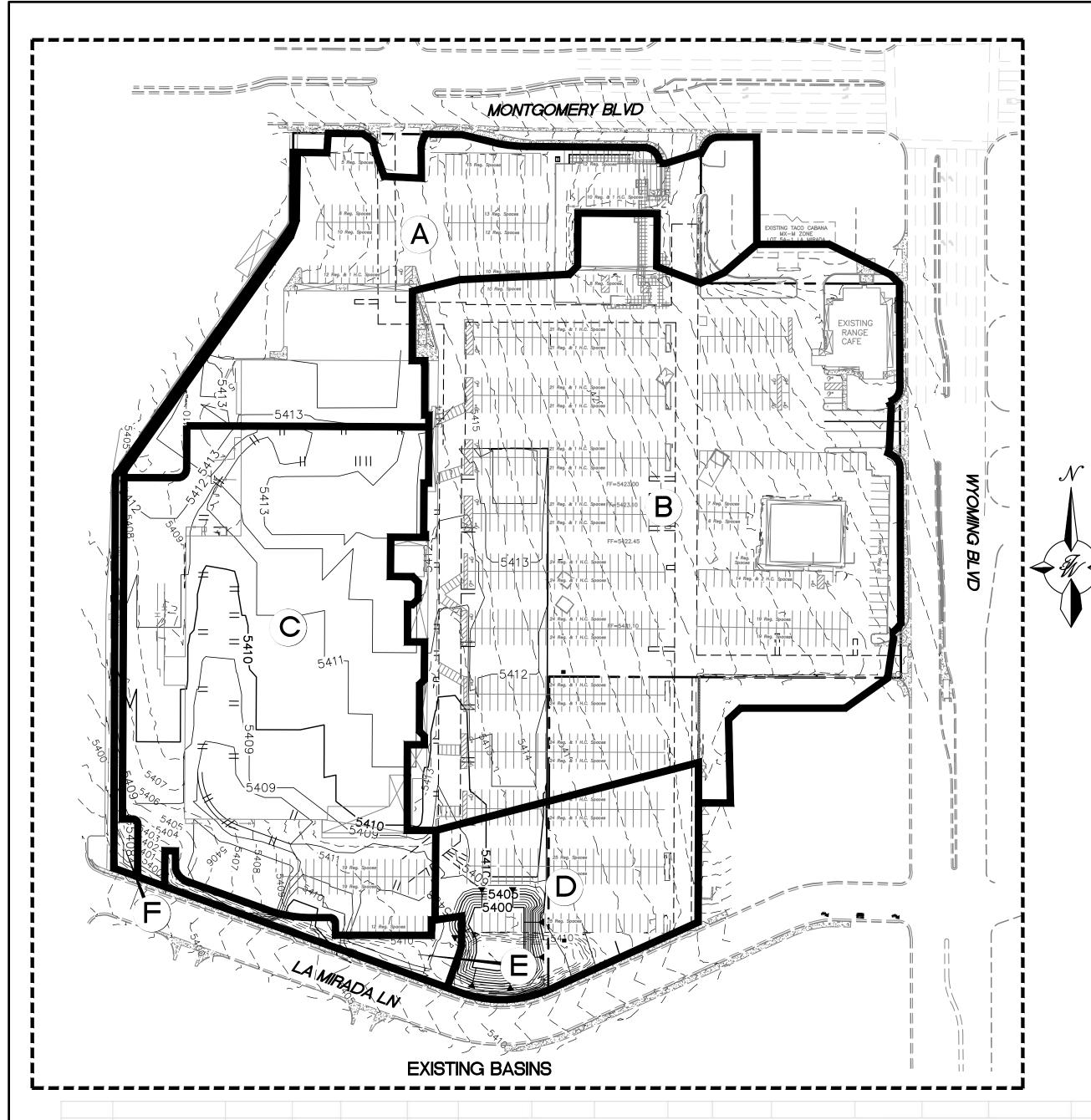
RETAINING WALL

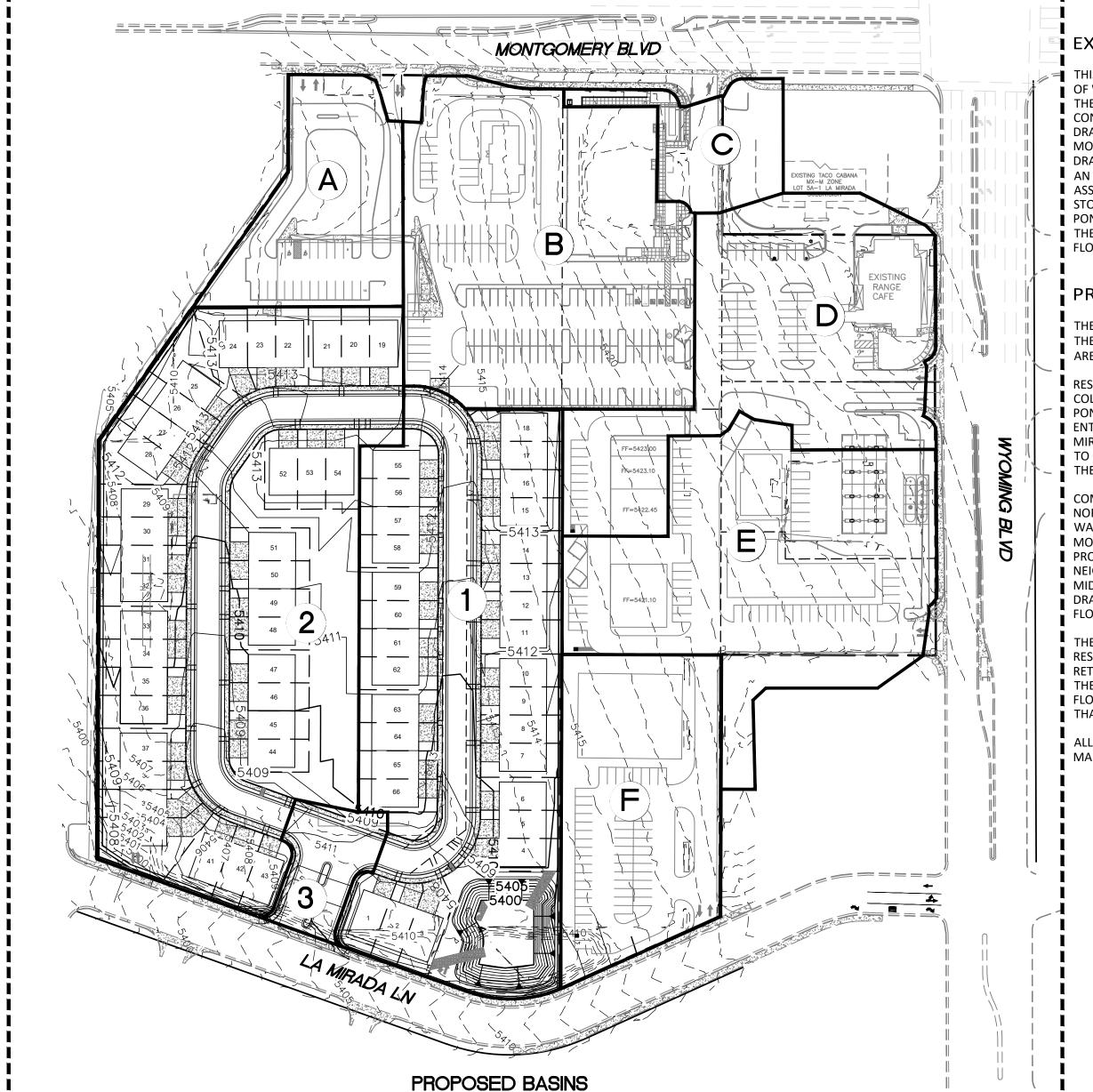
WATER BLOCK

ENGINEER'S SEAL	THE WYMONT ALBUQUERQUE, NM	DRAWN BY
OR. BOHAND PZ	ALBOGOLI IGOL, INIVI	DATE
DR. BOHAND Z	GRADING AND	11-2-21
 	DRAINAGE PLAN	<i>DRAWING</i> 2021008-GR
PROFIES CHOME		SHEET #
11-2-21	TIERRA WEST, LLC 5571 MIDWAY PARK PL NE ALBUQUERQUE, NEW MEXICO 87109	GR-1
RONALD R. BOHANNAN	(505) 858-3100 www.tierrawestllc.com	JOB #

2021008







■ EXISTING DRAINAGE:

THIS SITE IS CURRENTLY VACANT SHOPPING CENTER AND IS LOCATED ON THE SOUTHWEST CORNER OF WYOMING BOULEVARD AND MONTGOMERY BOULEVARD. THE SITE IS BOUNDED BY ROADS ON THE NORTH, SOUTH AND EAST SIDE AND A MULTIFAMILY DEVELOPMENT ON THE WEST SIDE AND CONTAINS APPROXIMATELY 15.69 ACRES. THE SITE DRAINS FROM EAST TO WEST WITH MOST OF IT DRAINING ONTO AN EXISTING DETENTION POND. A SMALL AMOUT OF FLOW ENTERS MONTGOMERY BLVD. FROM LANDSCAPED AREAS AND ENTRANCES, THE REMAINDER OF THE SITE DRAINS INTO AN EXISTING DROP INLET LOCATED AT THE SOUTHWEST ENTRANCE. ACCORDING TO AN APPROVED GRADING AND DRAINAGE PLAN (G-19/D4) COMPLETED BY JEFF MORTENSEN AND ASSOCIATES THE EXISTING POND MAY BE ELIMINATED AND ALL FLOW DISCHARGED TO THE EXISTING ■ STORM SEWER IN HENDRIX AVENUE. THOSE IMPROVEMENTS WERE NEVER COMPLETED AND THE ■ POND HAS REMAINED IN PLACE. BASED ON THE REVISED DRAINAGE VALUES IN THE CURRENT DPM ■ THE TOTAL FLOW DISCHARGED FROM THIS SITE IS 68.15 CFS. THE SITE IS NOT LOCATED WITH IN A FLOOD PLAIN AS SHOWN ON THE FIRM MAP. THERE ARE NOT OFFSITE FLOWS THAT ENTER THE SITE.

PROPOSED DRAINAGE:

THE SITE IS BEING SUBDIVIDED INTO A COMMERCIAL CENTER AND A RESIDENTIAL NEIGHBORHOOD. THE RESIDENTIAL NEIGHBORHOOD IS DIVIDED INTO THREE BASINS (1-3) WHILE THE COMMERCIAL AREA IS DIVIDED INTO SIX BASINS (A-F).

RESIDENTIAL BASINS 1 AND 2 WILL DRAIN FROM NORTH TO SOUTH IN WYMONT CIRCLE AND BE COLLECTED IN PROPOSED DROP INLETS. THAT WATER WILL BE CONVEYED TO A WATER QUALITY ▮ POND LOCATED IN THE SOUTHEAST CORNER OF THE NEIGHBORHOOD. BASIN 3 CONSISTS OF THE ■ ENTRANCE AND WILL DRAIN A SMALL AMOUNT OF FLOW TO BE COLLECTED IN DROP INLETS IN LA ■ MIRADA. DUE TO THE GRADES BETWEEN THE NEIGHBORHOOD AND LA MIRADA THERE IS NO WAY TO CAPTURE THIS FLOW AND IT WILL FOLLOW THE SAME DRAINAGE PATTERN AS EXISTS ALONG THE STREET TODAY DISCHARGING 1.16 CFS.

COMMERCIAL BASIN "A" AND "B" WILL DRAIN SOUTH TO A PROPOSED DROP INLET LOCATED JUST NORTH OF WYMONT CIRCLE. THOSE FLOWS WILL BE CONVEYED THROUGH STORM SEWER TO THE ■ WATER QUALITY POND. BASIN "C" WILL DISCHARGE A SMALL AMOUNT OF FLOW TO ■ MONTGOMERY BLVD. AS IT CURRENTLY DOES TODAY (1.75 CFS). BASIN "D" WILL DRAIN TO A ■ PROPOSED DROP INLET LOCATED NEAR THE NORTHEAST CORNER OF THE RESIDENTIAL ■ NEIGHBORHOOD. BASIN "E"WILL DRAIN TO ANOTHER PROPOSED DROP INLET LOCATED NEAR THE ■ MIDDLE OF THE WEST PROPERTY LINE OF THE RESIDENTIAL NEIGHBOR HOOD AND BASIN "F" WILL DRAIN TO A PROPOSED DROP INLET LOCATED NEAR THE WATER QUALITY POND. ALL OF THOSE FLOWS WILL BE CONVEYED VIAL STORM SEWER TO THE WATER QUALITY POND.

THE WATER QUALITY POND IS SIZED TO CONTAIN THE REQUIRED VOLUME FROM ALL OF THE RESIDENTIAL AND COMMERCIAL BASINS. BASED ON HE CURRENT REQUIREMENTS, THE POND WILL ■ RETAIN A VOLUME OF 0.225 AC-FT. A WATER QUALITY OUTLET STRUCTURE WILL BE PROVIDED IN THE POND AND CONNECT TO THE EXISTING STORM SEWER LOCATED IN LA MIRADA. THE TOTAL FLOW DISCHARGED TO THE LA MIRADA STORM SEWER WILL BE 57.05 CFS WHICH IS 11.10 CFS LESS ■ THAN WHAT IS CURRENTLY DISCHARGED TO THE SYSTEM.

ALL OF THE STORM SEWER, DROP INLETS AND WATER QUALITY POND WILL REMAIN PRIVATE AND MAINTAINED BY THE RESIDENTIAL HOA AND COMMERCIAL DEVELOPMENT AGREEMENTS.

Weighted E Method

Zone 3 | 100-Year | 10 - Year

2.49

3.17

4.49

 Q_b

 Q_c

0.51

1.07

1.69

2.81

Existing	Basins															
												100-Year			10-Year	
Basin	Area	Area	Trea	tment A	Trea	tment B	Treat	ment C	Trea	tment D	Weighted E	Volume	Flow	Weighted E	Volume	Flow
	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(in)	(ac-ft)	cfs	(in)	(ac-ft)	cfs
Α	114,831	2.64	0%	0	7%	0.18	0%	0.00	93%	2.45	2.460	0.540	11.47	1.549	0.340	7.09
В	314,923	7.23	0%	0	5%	0.36	0%	0.00	95%	6.87	2.494	1.503	31.74	1.575	0.949	19.69
С	178,480	4.10	0%	0	0%	0.00	0%	0.00	100%	4.10	2.580	0.881	18.40	1.640	0.560	11.51
D	57,852	1.33	0%	0	21%	0.28	0%	0.00	79%	1.05	2.219	0.246	5.41	1.367	0.151	3.25
E	9,747	0.22	0%	0	0%	0.00	100%	0.22	0%	0.00	1.090	0.020	0.71	0.520	0.010	0.38
F	7,497	0.17	0%	0	100%	0.17	0%	0.00	0%	0.00	0.860	0.012	0.43	0.340	0.005	0.18
		15.69										3.202	68.15			

Proposed Basins

Weighted E = Ea*Aa + Eb*Ab + Ec*Ac + Ed*Ad / (Total Area)

Volume = Weighted D * Total Area

Flow = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad

Toposeu D	asiris															
												100-Year			10-Year	
Basin	Area	Area	Trea	tment A	Trea	tment B	Treat	ment C	Treat	tment D	Weighted E	Volume	Flow	Weighted E	Volume	Flow
	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(in)	(ac-ft)	cfs	(in)	(ac-ft)	cfs
Α	36,215	0.83	0%	0	15%	0.12	0%	0.00	85%	0.71	2.322	0.161	3.48	1.445	0.100	2.12
В	98,174	2.25	0%	0	15%	0.34	0%	0.00	85%	1.92	2.322	0.436	9.44	1.445	0.271	5.74
С	18,240	0.42	0%	0	15%	0.06	0%	0.00	85%	0.36	2.322	0.081	1.75	1.445	0.050	1.07
D	79,808	1.83	0%	0	15%	0.27	0%	0.00	85%	1.56	2.322	0.355	7.68	1.445	0.221	4.67
E	89,758	2.06	0%	0	15%	0.31	0%	0.00	85%	1.75	2.322	0.399	8.63	1.445	0.248	5.25
F	53,725	1.23	0%	0	15%	0.19	0%	0.00	85%	1.05	2.322	0.239	5.17	1.445	0.149	3.14
1	131,235	3.01	0%	0	60%	1.81	0%	0.00	40%	1.21	1.548	0.389	9.91	0.860	0.216	5.32
2	165,562	3.80	0%	0	57%	2.17	0%	0.00	43%	1.63	1.600	0.507	12.73	0.899	0.285	6.91
Park	27,059	0.62	0%	0	100%	0.62	0%	0.00	0%	0.00	0.860	0.045	1.55	0.340	0.018	0.66
3	11,770	0.27	0%	0	10%	0.03	0%	0.00	90%	0.24	2.408	0.054	1.16	1.510	0.034	0.71
		15.71								10.42		2.619	59.96			
Equations:																
						Excess Pre	cipitation	E (inches)		Peak	Discharge (ct	(s/acre)				

0.18

0.34

0.52

Zone 3 | 100-Year | 10 - Year

1.09

2.58

1	5.74
0	1.07
	4.67
1 8 9 6 5	5.25
9	3.14
6	5.32
5	6.91
8	0.66
4	0.71

 $Q = 1.49/n * A * R^{(2/3)} * S^{(1/2)}$

A = Area R = D/4S = Slope n = 0.013

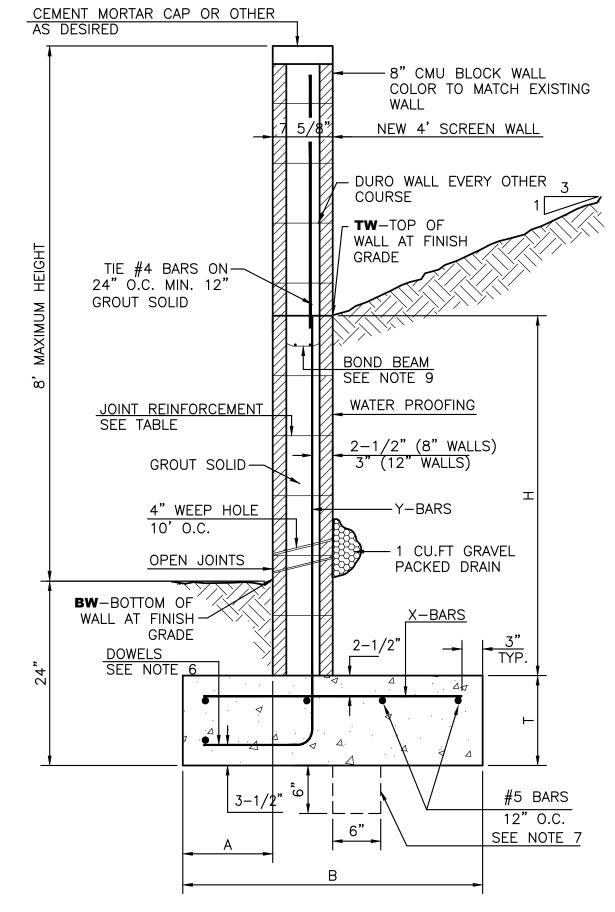
			Pipe C	Capacity			
Pipe	D	Slope	Area	R	Q Provided	Q Required	Velocity
	(in)	(%)	(ft^2)		(cfs)	(cfs)	(ft/s)
1	18	0.80	1.77	0.375	9.42	6.36	3.60
2	18	0.80	1.77	0.375	9.42	6.37	3.60
3	24	0.80	3.14	0.500	20.29	12.73	4.05
4	18	0.80	1.77	0.375	9.42	4.95	2.80
5	18	0.80	1.77	0.375	9.42	4.96	2.81
6	30	0.70	4.91	0.625	34.41	22.64	4.61
7	30	0.80	4.91	0.625	36.79	35.56	7.24
8	24	1.00	3.14	0.500	22.68	12.92	4.11
9	24	1.00	3.14	0.500	22.68	12.92	4.11
10	24	1.00	3.14	0.500	22.68	12.92	4.11
11	24	1.00	3.14	0.500	22.68	12.92	4.11
12	24	14.75	3.14	0.500	87.12	21.48	6.84
13	18	2.00	1.77	0.375	14.90	5.17	2.93
14	24	2.51	3.14	0.500	35.94	16.31	5.19
15	18	2.00	1.77	0.375	14.90	8.63	4.88
16	18	4.19	1.77	0.375	21.56	7.68	4.35
17	18	4.43	1.77	0.375	22.17	7.68	4.35
18	24	6.50	3.14	0.500	57.83	57.05	18.16

THE WYN	ENGINEER'S SEAL
GRADING	ON MEXICO P
DRAINAC	((7868))
 <u> </u> Tier	PROPERTY OF THE PROPERTY OF TH
5571 ALBUQUERO	fn 1611-2-21
(5 wwv	RONALD R. BOHANNAN P.E. #7868

THE WYMONT ALBUQUERQUE, NM	<i>DRAWN BY</i> pm
ALBOCOLI ICOL, INIVI	DATE
GRADING AND	11-2-21
DRAINAGE PLAN	<i>DRAWING</i> 2021008-GR
	SHEET #
 TIERRA WEST, LLC	GR-3
5571 MIDWAY PARK PL NE	

RQUE, NEW MEXICO 87109 (505) 858-3100 ww.tiérrawestllc.com

JOB # 2021008



8 INCH REINFORCED CONCRETE MASONRY WALL

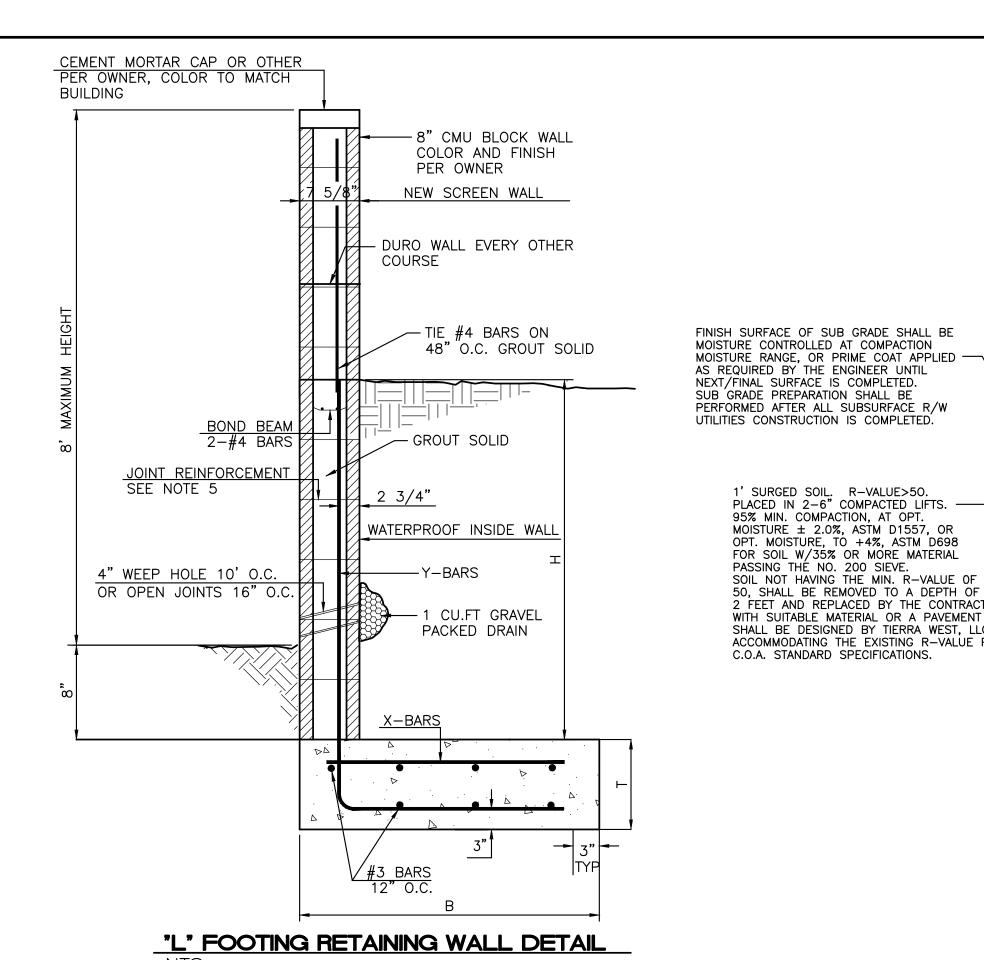
O INCIT	1/ [11/1	CIL MASONIN	WALL		
Н	Α	В	Т	Y-BARS	X-BARS
ft.—in.	in.	ft.—in.	in.		
2'-0" 2'-8" 3'-4" 4'-0" 4'-8" 5'-4" 6'-0"	8" 8" 8" 10" 12" 14" 16"	2'-0" 2'-0" 2'-4" 2'-8" 3'-4" 3'-10" 4'-8"	9" 9" 9" 10" 12"	#4 @32" O.C. #4 @32" O.C. #4 @32" O.C. #4 @32" O.C. #5 @32" O.C. #6 @16" O.C. #6 @ 8" O.C.	#4 @24" O.C. #4 @24" O.C. #4 @24" O.C. #4 @18" O.C. #4 @18" O.C. #4 @12" O.C.

2	INCH	H REII	NFORCED	CONC	RETE	MASONRY	WAL

Н	Α	В	T	Y-BARS	X-BARS		
ft.—in.	in.	ft.—in.	in.				
5'-4" 6'-0" 6'-8" 7'-4" 8'-0" 8'-8"	14" 15" 16" 18" 20" 20"	3'-8" 4'-2" 4'-6" 4'-10" 5'-4" 5'-8"	10" 12" 12" 12" 12" 12"	#6 @18" O.C. #4 @16" O.C. #6 @24" O.C. #6 @16" O.C. #7 @18" O.C. #7 @16" O.C.	#4 @24" O.C. #4 @18" O.C. #5 @18" O.C. #5 @18" O.C. #6 @12" O.C. #6 @12" O.C.		

GENERAL NOTES:

- ALL CONCRETE IS TO BE 4000 PSI @ 28 DAYS. 2. MINIMUM COMPACTION UNDER FOOTINGS IS TO BE 95% PER ASTM. D 1557 FOR A DEPTH OF 12" MOISTURE CONTENT IS TO BE \pm 2.0%.
- 3. BACK FILL AGAINST WALLS IS TO BE HAND-PLACED AND
- COMPACTED.
- 4. ALL BARS ARE TO BE GRADE 60, ASTM 615. TRUSS TYPE DUR-O-WALL EVERY OTHER COURSE.
- DOWELS SHALL BE AT LEAST EQUAL IN SIZE AND SPACING TO V-BARS, SHALL PROJECT A MINIMUM OF 30 BAR DIA. INTO THE FILLED BLOCK CORES, AND SHALL EXTEND TO THE TOE OF THE FOOTING.
- PROVIDE KEY FOR 8" AND 12" WALLS WHERE H EXCEEDS 6'-0"
- 8. USE EITHER EXPANSION JOINTS ON 20' CENTERS OR PILASTERS EVERY 16'.
- 9. BOND BEAM, 1-#4 BARS FOR WALLS UNDER 3'-4", 2-#4 BARS FOR WALLS UNDER 5'-4", 2-#5 BARS FOR WALLS OVER 5'-4".





TYPICAL PAVING SECTION (LOCAL RESIDENTIAL)

_AC SURFACE COURSE

_ TACK COAT AS REQUIRED BY THE

AC PAVEMENT COURSE

ASPHALT/AGGREGATE MATERIAL LIFTS.

__STANDARD C&G PER C.O.A. STD DWG #2415A

12" SUB GRADE R-VALUE>50.. 95% MIN. COMPACTION, AT OPT. MOISTURE ± 2.0%, ASTM D1557, OR OPT.

90% MIN. COMPACTION.

COMPACTED SUB GRADE
TO 95% ASTM D1557

ENGINEER BETWEEN ALL

1 1/2" SP-C

1 1/2" SP-C

1' SURGED SOIL. R-VALUE>50.
PLACED IN 2-6" COMPACTED LIFTS. 95% MIN. COMPACTION, AT 0PT.
MOISTURE ± 2.0%, ASTM ASTM DECOM

OPT. MOISTURE, TO +4%, ASTM D698 FOR SOIL W/35% OR MORE MATERIAL

C.O.A. STANDARD SPECIFICATIONS.

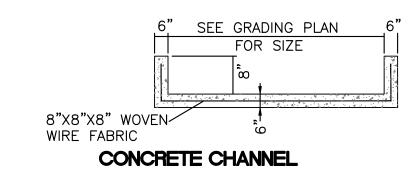
PASSING THE NO. 200 SIEVE. SOIL NOT HAVING THE MIN. R-VALUE OF

50, SHALL BE REMOVED TO A DEPTH OF

WITH SUITABLE MATERIAL OR A PAVEMENT

2 FEET AND REPLACED BY THE CONTRACTOR

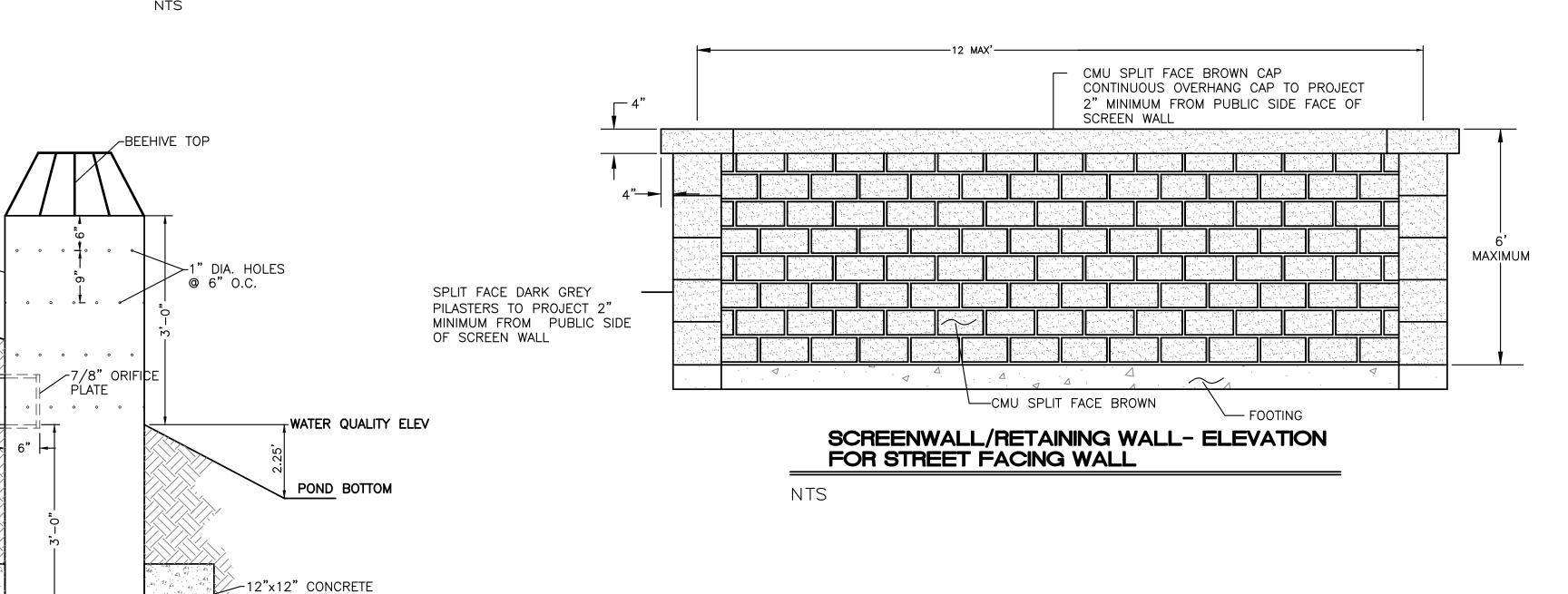
SHALL BE DESIGNED BY TIERRA WEST, LLC ACCOMMODATING THE EXISTING R-VALUE PER



RETAINING WALL DETAIL

ANCHOR RING

└-COMPACTED GRAVEL



OUTFALL DETAIL

36" GALVANIZED CMP-

POND SIDE

24" RCP PIPE

ENGINEER'S SEAL	THE WYMONT ALBUQUERQUE, NM	<i>DRAWN BY</i> pm
NALD R. BOHANDA	•	<i>DATE</i> 11-2-21
((7868))	GRADING AND DRAINAGE PLAN	<i>DRAWING</i> 2021008-GR
		SHEET #
11-2-21	TIERRA WEST, LLC 5571 MIDWAY PARK PL NE ALBUQUERQUE, NEW MEXICO 87109	GR-4
RONALD R. BOHANNAN P.E. #7868	(505) 858-3100 www.tierrawestllc.com	<i>JOB #</i> 2021008