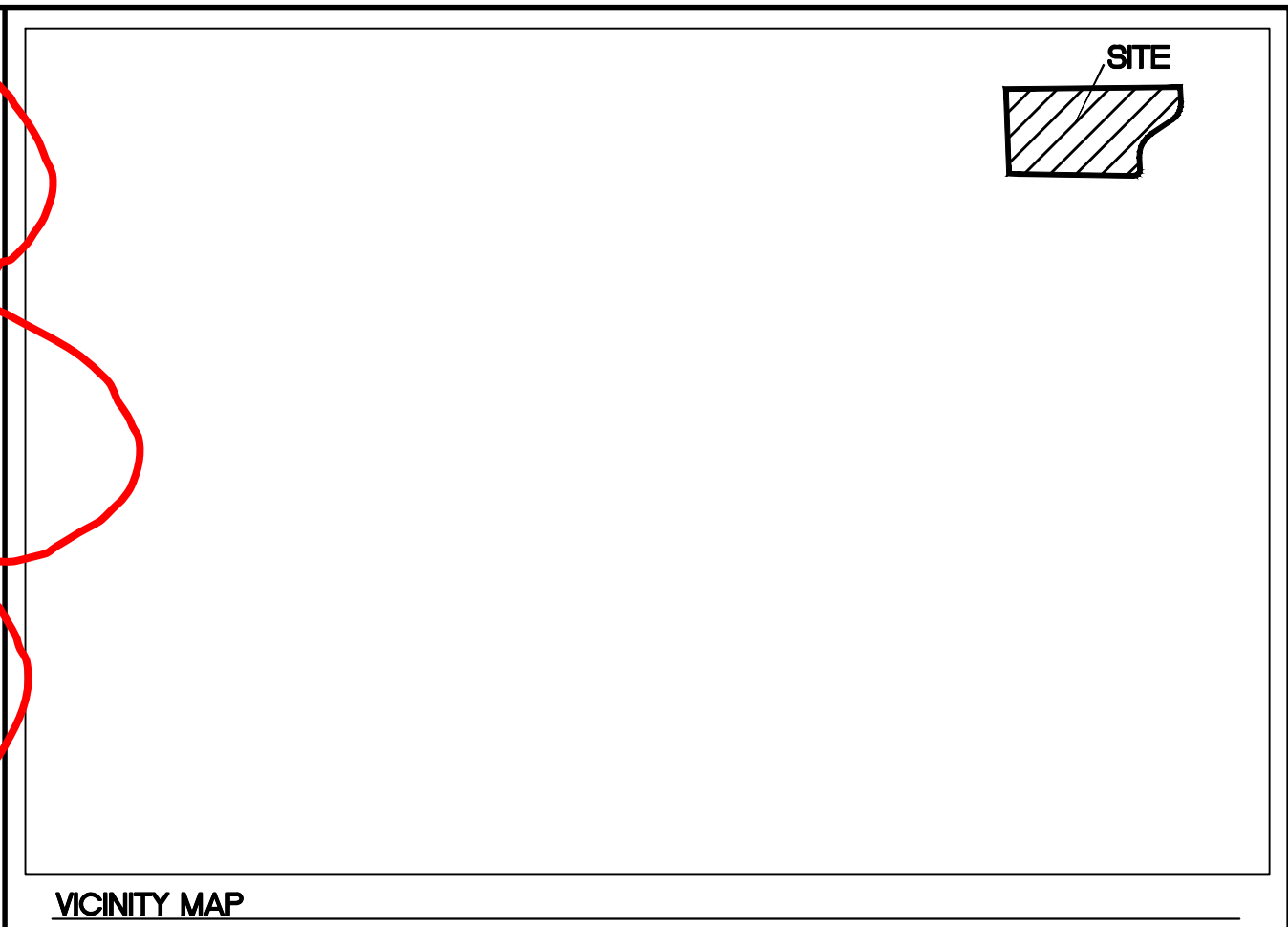
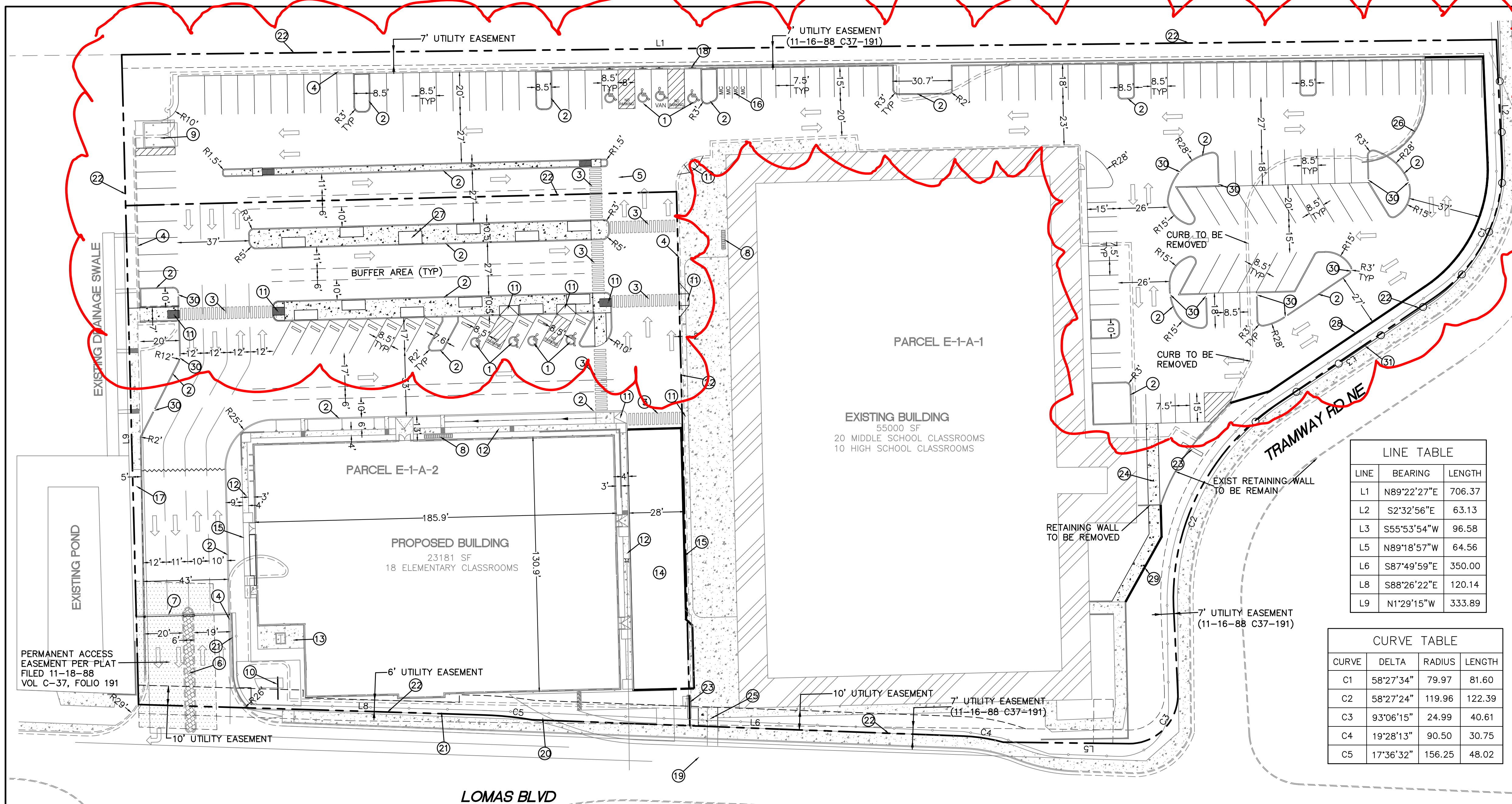


ADMINISTRATIVE AMENDMENT

FILE # _____ PROJECT # _____

APPROVED BY

DATE



VICINITY MAP

LEGAL DESCRIPTION:
 PARCEL E-1-A, PANORAMA HEIGHTS ADDITION
 UPC NO: 102205847502241515

SITE DATA

ZONING: MX-M
 PROPOSED USAGE: EDUCATIONAL
 TOTAL LOT AREA: 214146 SF (4.91 ACRES)

PARKING PARCEL E-1-A-2

LOT AREA: 75002 SF (1.72 AC)
 PROPOSED BUILDING AREA: 43500 SF
 TOTAL PARKING REQUIRED: 18 ELEMENTARY SCHOOL CLASSROOMS (2 SPACES PER CLASSROOM)

36 SPACES REQUIRED
 TOTAL BICYCLE SPACES REQUIRED: 4 SPACES (10% OF REQUIRED SPACES)
 TOTAL MOTORCYCLE SPACES REQUIRED: 2 SPACES

PROVIDED

PARKING PROVIDED: 132 SPACES
 HC PARKING REQUIRED: 2 SPACES
 HC SPACES PROVIDED: 4 SPACES (1 VAN ACCESSIBLE)
 MOTORCYCLE SPACES PROVIDED: 2 SPACES
 BICYCLE SPACES PROVIDED: 15 SPACES

LANDSCAPE REQUIRED: 11250 SF
 LANDSCAPE PROVIDED: 7121 SF

PARCEL E-1-A-1

LOT AREA: 139144 SF (3.19 AC)
 EXISTING BUILDING AREA: 55000 SF
 20 MIDDLE SCHOOL CLASSROOMS (2 SPACES PER CLASSROOM)
 10 HIGH SCHOOL CLASSROOMS (3 SPACES PER CLASSROOM)
 70 SPACES REQUIRED

TOTAL BICYCLE SPACES REQUIRED: 7 SPACES (10% OF REQUIRED SPACES)
 TOTAL MOTORCYCLE SPACES REQUIRED: 2 SPACES

PROVIDED

PARKING PROVIDED: 116 SPACES
 HC PARKING REQUIRED: 2 SPACES
 HC SPACES PROVIDED: 4 SPACES (1 VAN ACCESSIBLE)
 MOTORCYCLE SPACES PROVIDED: 2 SPACES
 BICYCLE SPACES PROVIDED: 10 SPACES

LANDSCAPE REQUIRED: 20871 SF
 LANDSCAPE PROVIDED: 34951 SF

LINE TABLE

LINE	BEARING	LENGTH
L1	N89°22'27"E	706.37
L2	S2°32'56"E	63.13
L3	S55°53'54"W	96.58
L5	N89°18'57"W	64.56
L6	S87°49'59"E	350.00
L8	S88°26'22"E	120.14
L9	N1°29'15"W	333.89

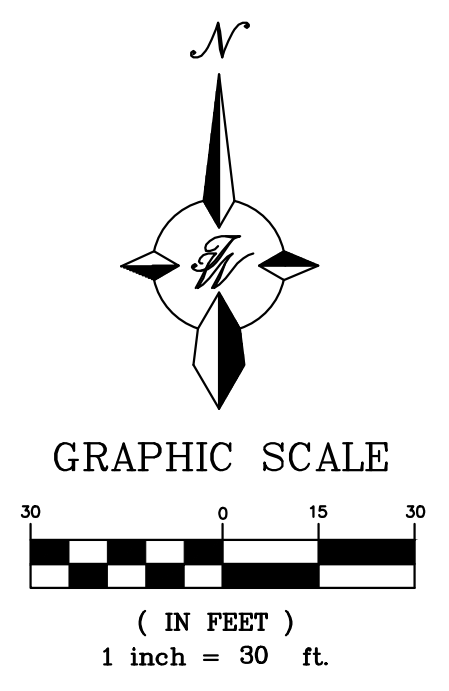
CURVE TABLE

CURVE	DELTA	RADIUS	LENGTH
C1	58°27'34"	79.97	81.60
C2	58°27'24"	119.96	122.39
C3	93°06'15"	24.99	40.61
C4	19°28'13"	90.50	30.75
C5	17°36'32"	156.25	48.02

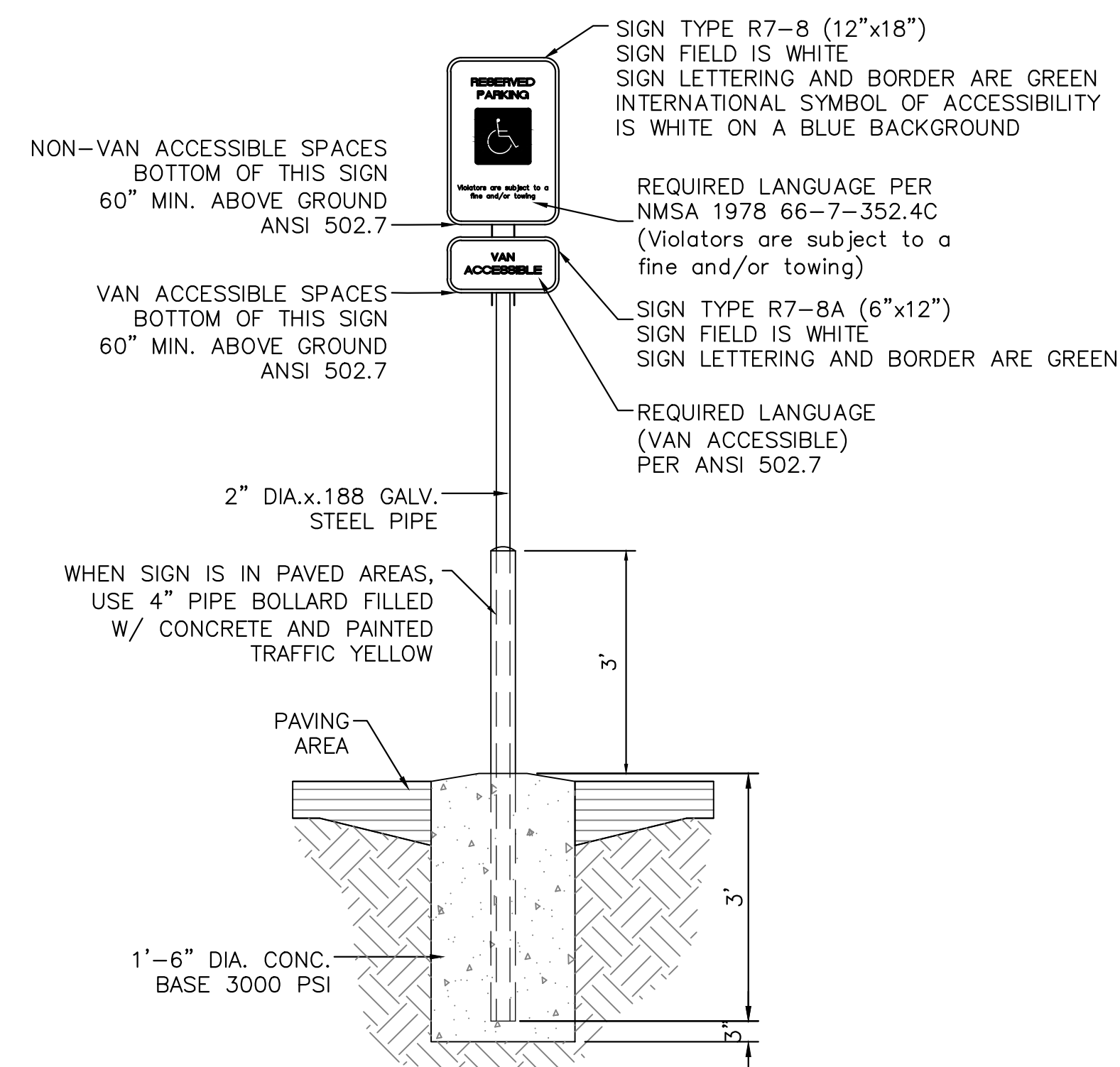
LEGEND

	CURB & GUTTER
	BOUNDARY LINE
	EASEMENT
	BUILDING
	SIDEWALK
	CONCRETE WALL
	EXISTING CURB & GUTTER
	EXISTING BOUNDARY LINE
	EXISTING BLOCK WALL
	EXISTING WROUGHT IRON FENCE
	PARKING LOT LIGHT
	PEDESTRIAN HAND RAIL

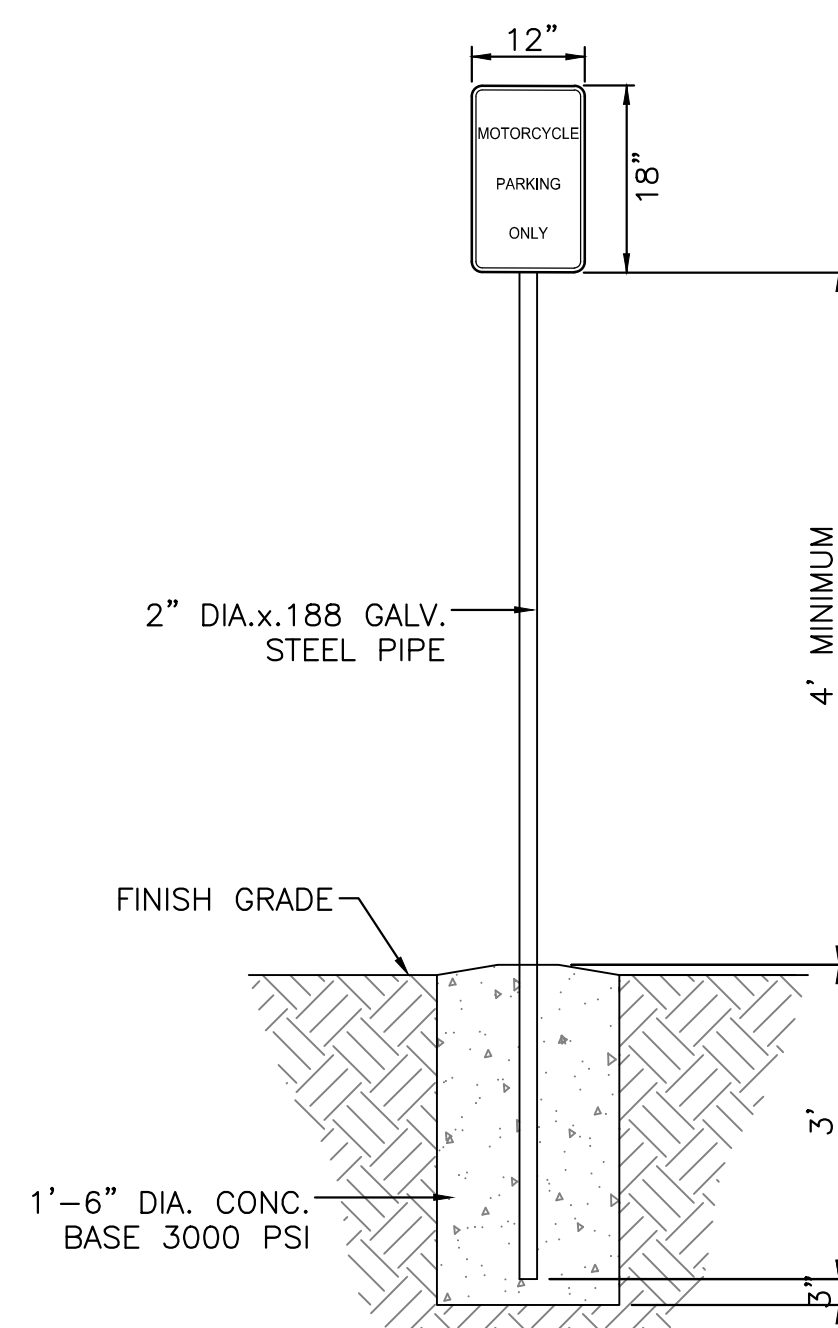
- KEYED NOTES**
- 1 ACCESSIBLE PARKING PER ADA STANDARDS (1.0% MIN - 2.0% MAX SLOPE) AISLE "NO PARKING" LETTERING SHALL BE CAPITAL LETTERS AT LEAST 1" HIGH AND AT LEAST 2" WIDE, PLACED AT THE REAR OF THE PARKING SPACE SO AS TO BE CLOSE TO WHERE AN ADJACENT VEHICLE'S REAR TIRE WOULD BE PLACED (66-1-4.1.8 NMSA 1978)
 - 2 CURB AND GUTTER PER COA STD DWG 2415A
 - 3 6' PEDESTRIAN CROSSWALK
 - 4 EXISTING CURB
 - 5 PARKING LOT LIGHT (TYP)
 - 6 EXISTING ISLAND
 - 7 EXISTING GATE
 - 8 BICYCLE RACK (15)
 - 9 EXISTING DUMPSTER
 - 10 EXISTING PYLON SIGN (TO BE REMOVED)
 - 11 ACCESSIBLE RAMP
 - 12 4' SIDEWALK
 - 13 CONCRETE TRANSFORMER PAD
 - 14 PLAYGROUND
 - 15 CMU BLOCK WALL W/HANDRAIL
 - 16 MOTORCYCLE PARKING W/SIGN (TYP)
 - 17 NEW 5' SIDEWALK
 - 18 ACCESSIBLE PARKING SIGN (TYP)
 - 19 EXISTING 8' SIDEWALK TO BE REMOVED
 - 20 EXISTING WROUGHT IRON FENCE
 - 21 EXISTING BLOCK WALL
 - 22 BOUNDARY LINES
 - 23 NEW DIGITAL SCHOOL SIGN
 - 24 NEW 6' SIDEWALK
 - 25 NEW 10' SIDEWALK
 - 26 EXISTING RETAINING WALL TO BE REMOVED
 - 27 PLANTER (TYP)
 - 28 SHEET PILE RETAINING WALL
 - 29 NEW RETAINING WALL
 - 30 2' CURB CUT
 - 31 PEDESTRIAN HAND RAIL



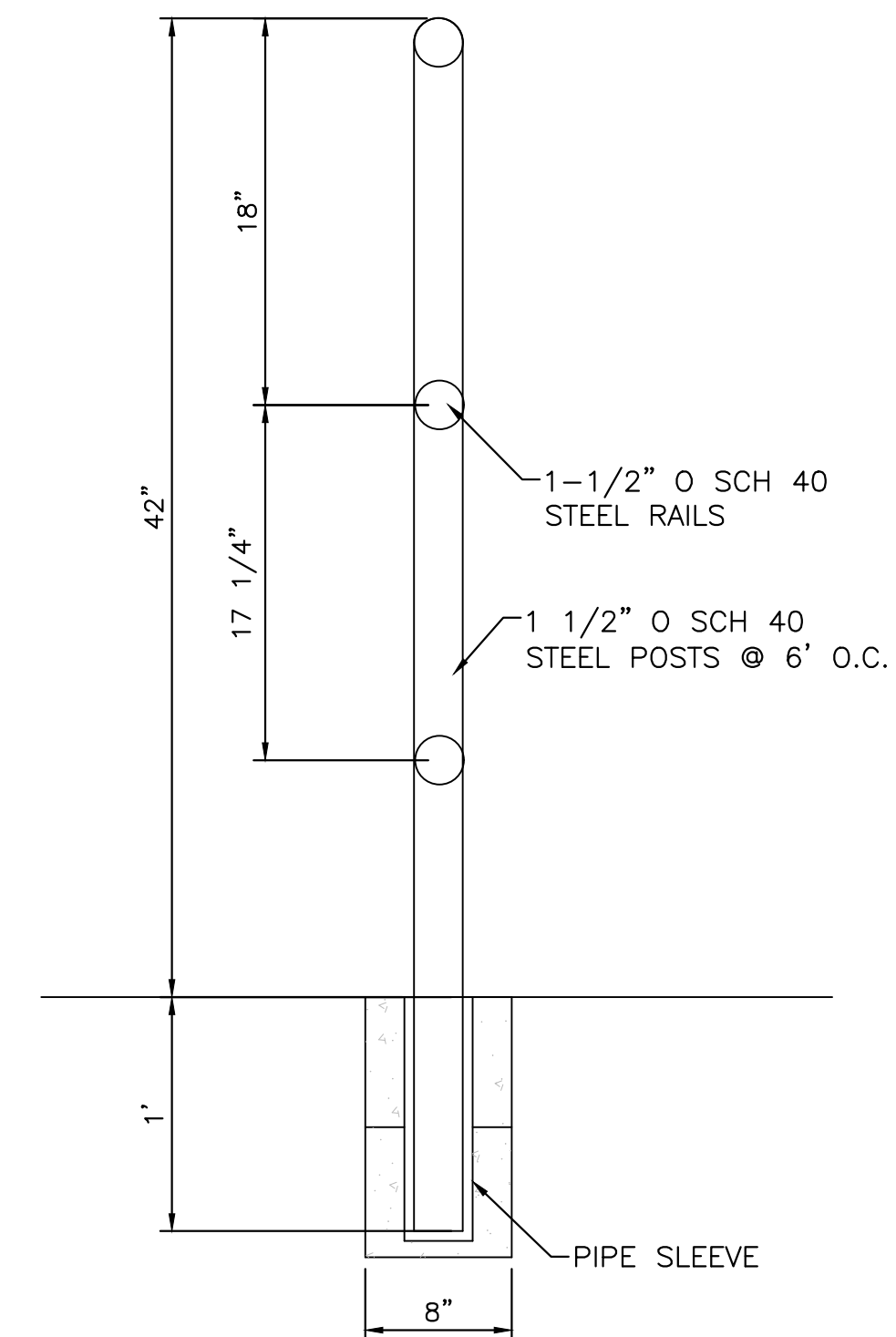
ENGINEER'S SEAL	ABQ SCHOOL OF EXCELLENCE	DRAWN BY pm
	ADMINISTRATIVE AMENDMENT	DATE 7-2-2020
	TRAFFIC CIRCULATION LAYOUT	DRAWING 2019068-SP
	TIERRA WEST, LLC 5571 MIDWAY PARK PL NE ALBUQUERQUE, NEW MEXICO 87109 (505) 858-3100 www.tierrewestllc.com	SHEET # SP-1
RONALD R. BOHANNAN P.E. #7868	7-2-2020	JOB # 2019068



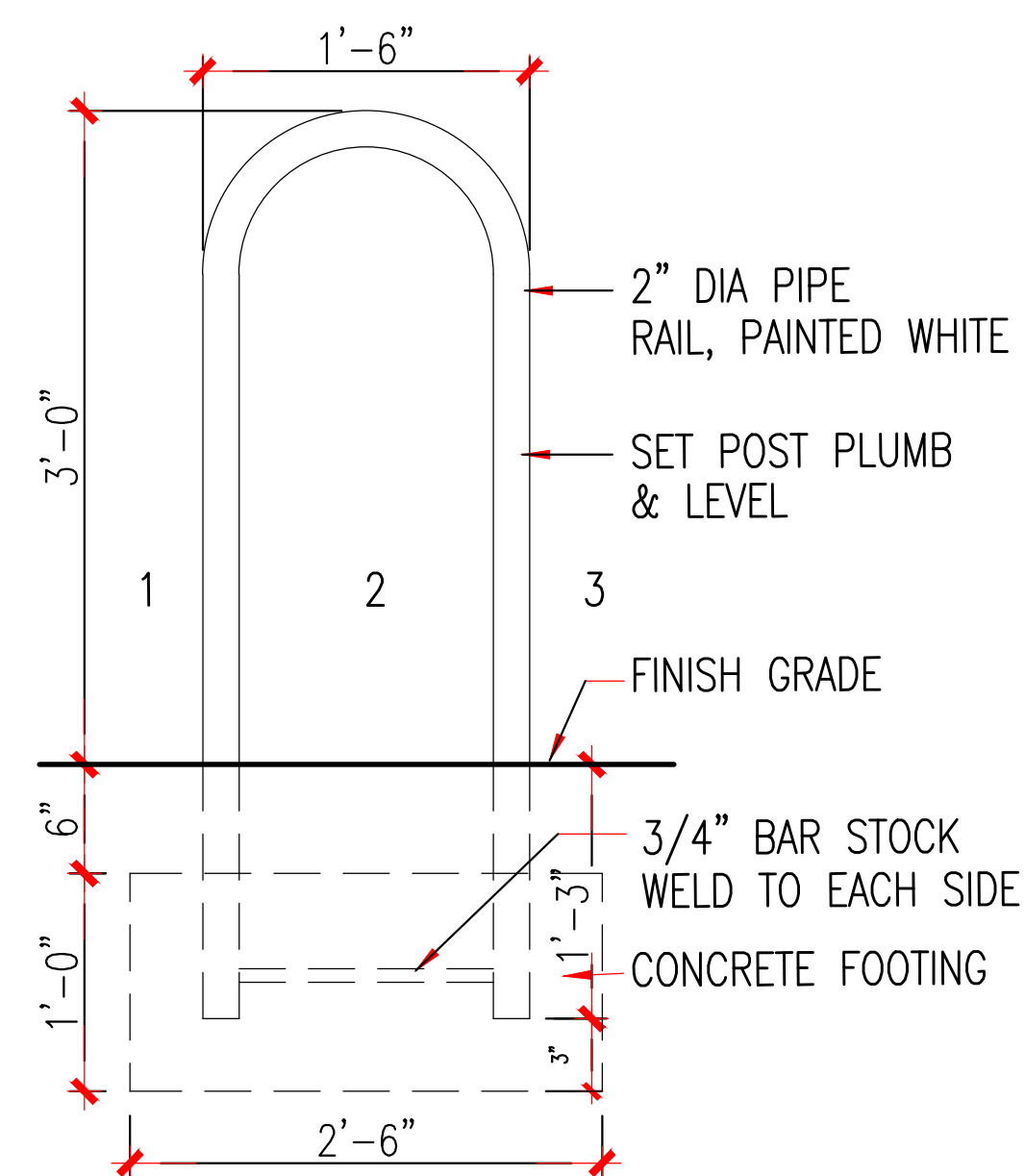
ACCESSIBLE PARKING SIGN
NTS



MOTORCYCLE PARKING SIGN
NTS

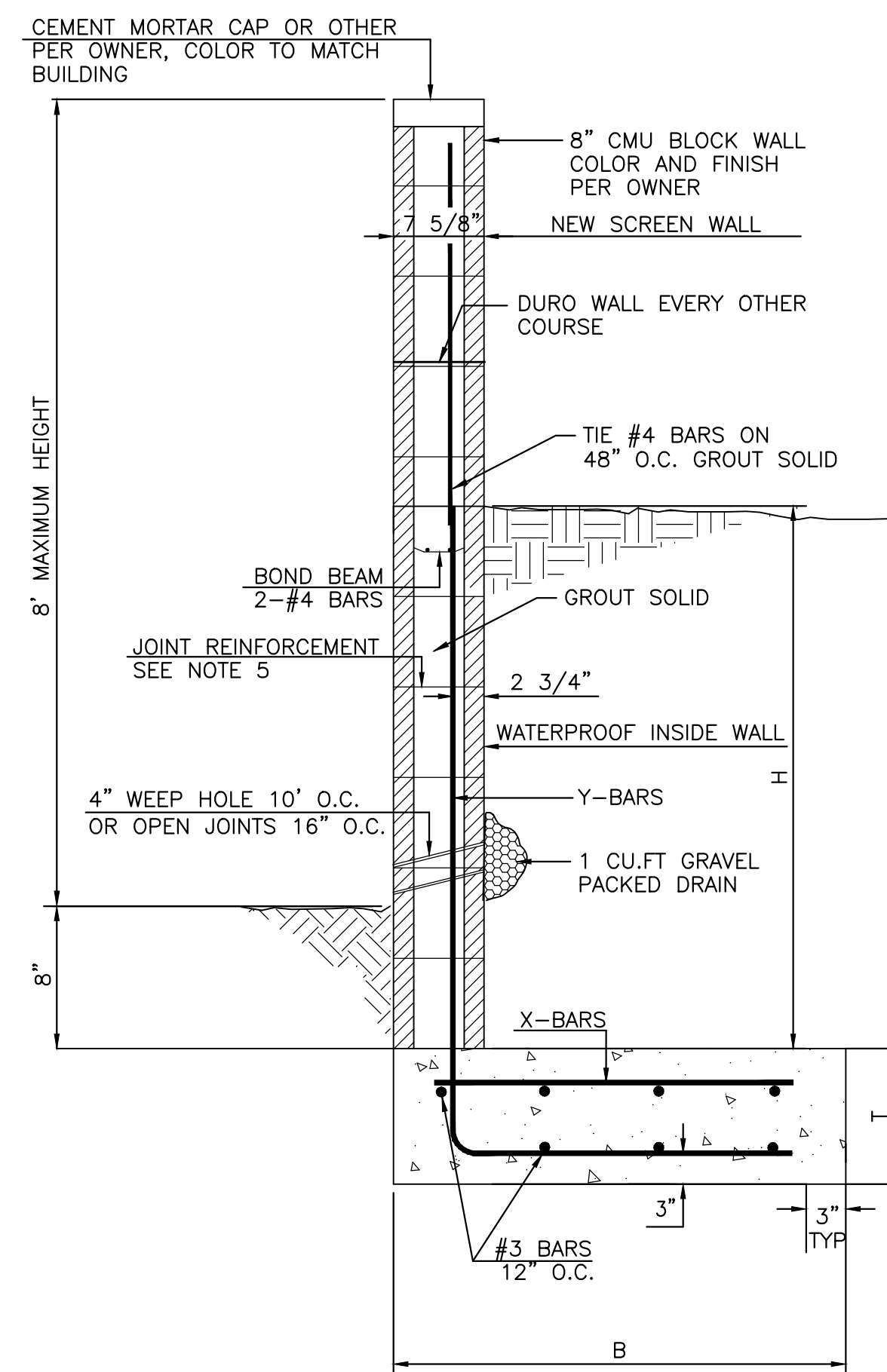


GUARD RAIL DETAIL
NTS



- NOTES
1. THE RACK SHALL BE A MINIMUM 30" TALL AND 18" WIDE
 2. THE BICYCLE FRAME SHALL BE SUPPORTED HORIZONTALLY AT 2 OR MORE PLACES. COMB/TOASTER RACKS ARE NOT ALLOWED
 3. THE RACK SHALL BE DESIGNED TO SUPPORT THE BICYCLE IN AN UPRIGHT POSITION. SEE THE IDO FOR ADDITIONAL INFORMATION
 4. THE RACK ALLOWS FOR VARYING BICYCLE FRAME SIZE AND STYLES TO BE ATTACHED
 5. THE USER IS NOT REQUIRED TO LIFT THE BICYCLE ONTO THE RACK
 6. EACH BICYCLE PARKING SPACE IS ACCESSIBLE WITHOUT MOVING ANOTHER BICYCLE
 7. BICYCLE RACKS SHALL BE STURDY AND ANCHORED TO A CONCRETE PAD
 8. A 1 FOOT CLEAR ZONE AROUND THE BICYCLE PARKING SHALL BE PROVIDED
 9. BICYCLE PARKING SPACES SHALL BE AT LEAST 6' LONG AND 2' WIDE

BIKE RACK DETAIL
NTS



'L' FOOTING RETAINING WALL DETAIL
NTS

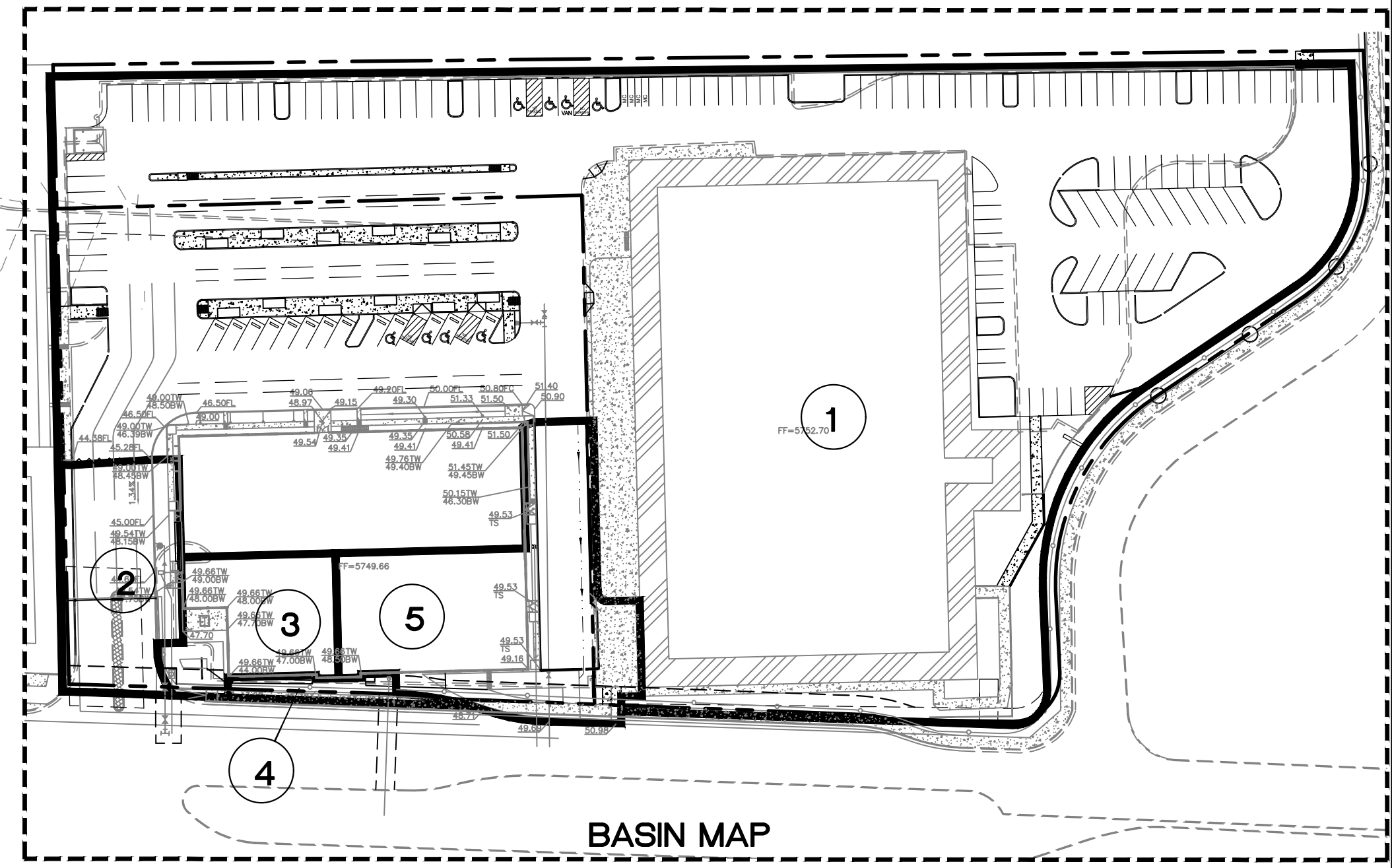
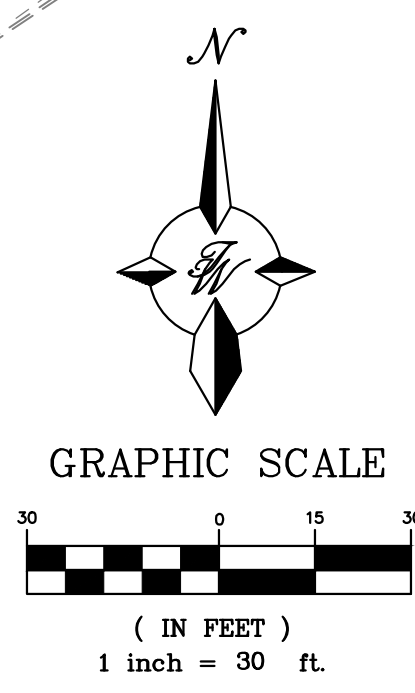
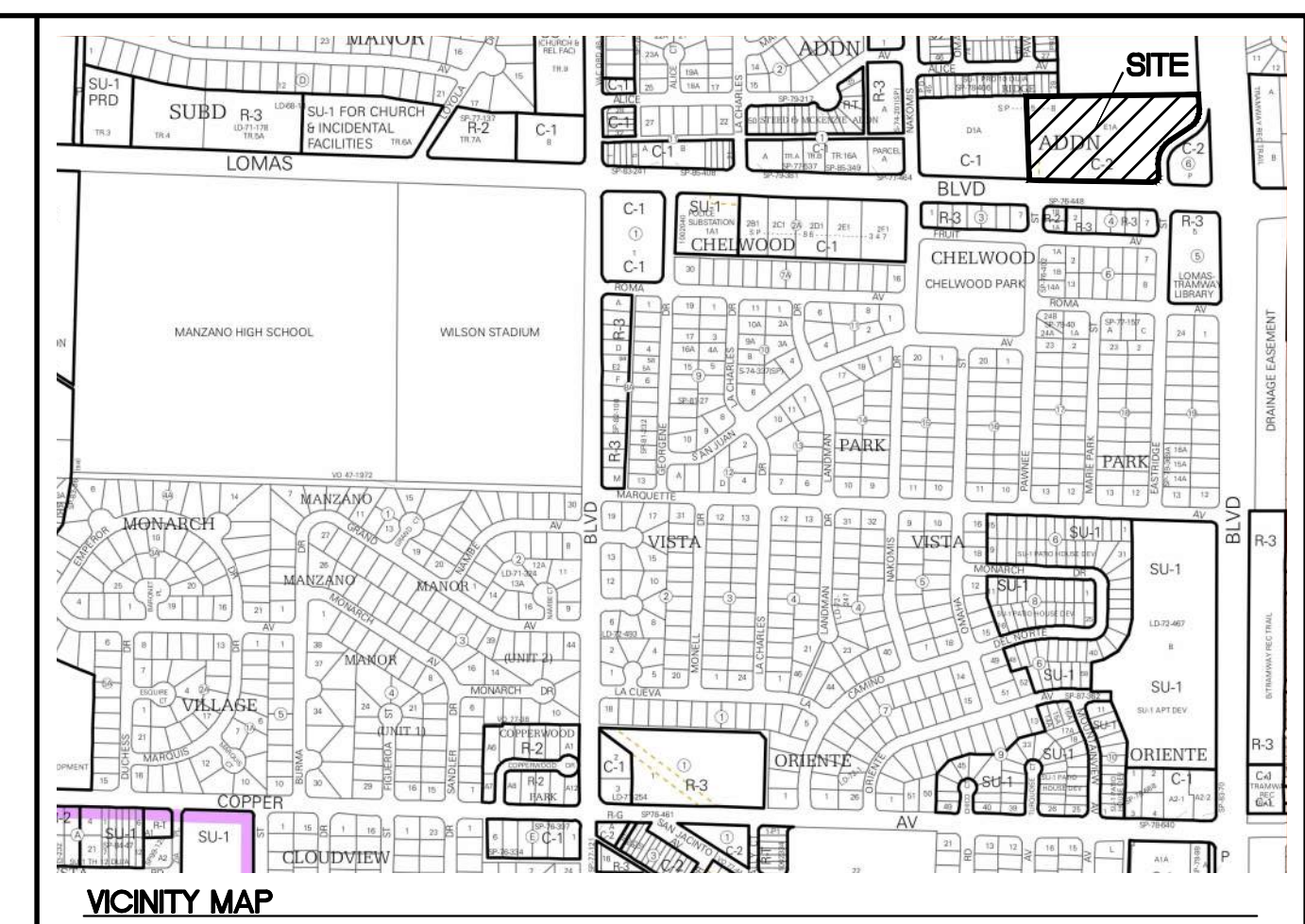
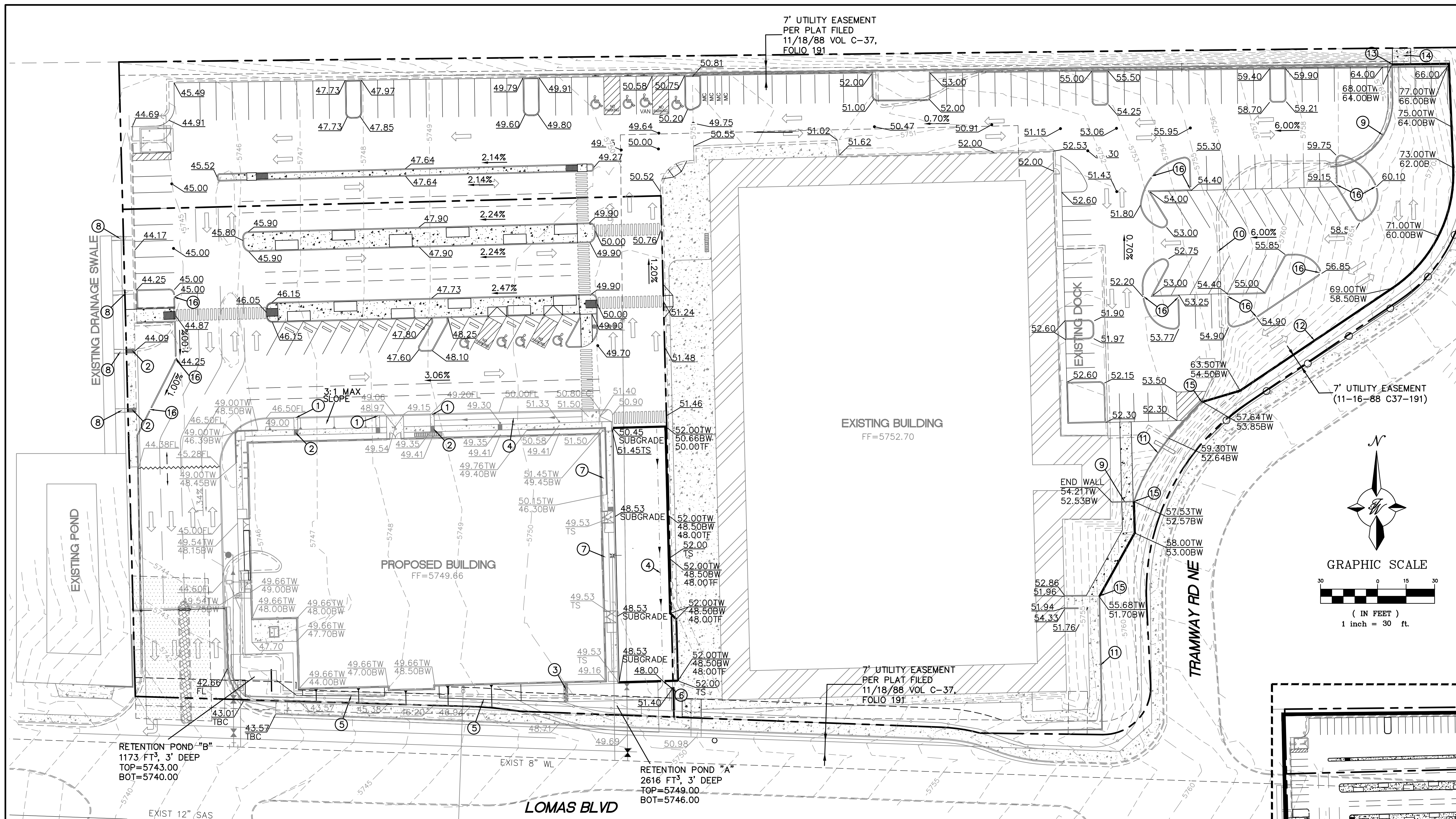
GENERAL NOTES:

1. ALL CONCRETE IS TO BE 3000 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 ± 2.0%.
3. BACK FILL AGAINST WALLS IS TO BE HAND-PLACED AND COMPACTED.
4. ALL BARS ARE TO BE GRADE 60, ASTM 615.
5. TRUSS TYPE DUR-O-WALL EVERY OTHER COURSE.
6. USE EITHER EXPANSION JOINTS ON 20' CENTERS OR PILASTERS EVERY 12'
7. 30 BAR DIAMETER LAPS TYPICAL
8. DUR-O-WALL HORIZONTAL JOINT REINFORCEMENT 16" O.C.
9. OPEN JOINTS 16" O.C. TYPICAL AT FIRST COURSE.
10. OWNER TO SELECT MASONRY COLOR AND/OR FINISH
11. SOLID MASONRY CAP COURSE TYPICAL.
12. WATER PROOF WALL.

8 INCH REINFORCED CONCRETE MASONRY WALL (FOR RETAINING PORTION ONLY)

H	B	T	Y-BARS	X-BARS
ft.-in.	ft.-in.	in.		
1'-4"	1'-9"	9"	#4 @ 24" O.C.	
2'-0"	2'-0"	9"	#4 @ 24" O.C.	
2'-8"	2'-6"	9"	#4 @ 24" O.C.	
3'-4"	2'-9"	12"	#4 @ 16" O.C.	#4 @ 16" O.C.
4'-0"	3'-3"	12"	#4 @ 16" O.C.	#4 @ 16" O.C.
4'-8"	4'-0"	12"	#4 @ 16" O.C.	#4 @ 16" O.C.
5'-4"	5'-0"	12"	#4 @ 8" O.C.	#4 @ 8" O.C.
6'-0"	5'-6"	12"	#4 @ 8" O.C.	#4 @ 8" O.C.

	ABQ SCHOOL OF EXCELLENCE ADMINISTRATIVE AMENDMENT TRAFFIC CIRCULATION LAYOUT	DRAWN BY pm DATE 7-2-2020 DRAWING 2019068-SP SHEET # SP-2 JOB # 2019068
	TIERRA WEST, LLC 5571 MIDWAY PARK PL NE ALBUQUERQUE, NEW MEXICO 87109 (505) 858-3100 www.tierrawestllc.com	



KEYED NOTES

- ① 2' CURB CUT
- ② 2' SIDEWALK CULVERT PER COA STD DWG 2236 (TYP)
- ③ COBBLE SWALE INTO POND
- ④ 2' SWALE
- ⑤ CAPTURE ROOF DRAINS IN 6" PIPE AND DAYLIGHT INTO POND
- ⑥ 2' OPENING IN WALL FOR DRAINAGE
- ⑦ LANDSCAPE AREA TO DRAIN THROUGH SIDEWALK CULVERT
- ⑧ EXISTING RUNDOWN
- ⑨ EXISTING RETAINING WALL TO BE REMOVED
- ⑩ EXISTING CURB TO BE REMOVED
- ⑪ EXISTING RETAINING WALL TO REMAIN
- ⑫ NEW SHEET PILE RETAINING WALL
- ⑬ MATCH NEW SHEET PILE WALL TO EXISTING RET WALL
- ⑭ CONCRETE TRANSITION FROM SLOPE PAVING TO SHEET PILE WALL
- ⑮ CONNECT NEW RETAINING WALL TO EXISTING RETAINING WALL
- ⑯ 2' CURB CUT

NOTES

1. ADD 5100 TO ALL ELEVATIONS
2. ALL ELEVATIONS ARE TO FLOWLINE UNLESS OTHERWISE NOTED

NOTICE TO CONTRACTORS

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 AMOUNT OF DELAY.
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.
8. PRIOR TO WORK WITHIN THE PASEO DEL NORTE RIGHT-OF-WAY, A NMDOT PERMIT WILL BE REQUIRED

EROSION CONTROL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL (CITY) ACCEPTANCE OF ANY PROJECT.

CAUTION

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.

LEGEND

- CURB & GUTTER
- BOUNDARY LINE
- EASEMENT
- BUILDING
- SIDEWALK
- RETAINING WALL
- x 5048.25 SPOT ELEVATION (FLOWLINE)
- xx.xx SPOT ELEVATION (+5700)
- FLOW ARROW
- EXISTING CURB & GUTTER
- EXISTING BOUNDARY LINE
- 5010 — EXISTING CONTOUR MAJOR
- EXISTING CONTOUR MINOR

ENGINEER'S SEAL

RONALD R. BOHANNAN
NEW MEXICO
PROFESSIONAL ENGINEER
7868

7-2-2020
RONALD R. BOHANNAN
P.E. #7868

ABQ SCHOOL OF EXCELLENCE

OVERALL GRADING AND DRAINAGE PLAN

TERRA WEST, LLC
5571 MIDWAY PARK PL NE
ALBUQUERQUE, NEW MEXICO 87109
(505) 858-3100
www.tierrowestllc.com

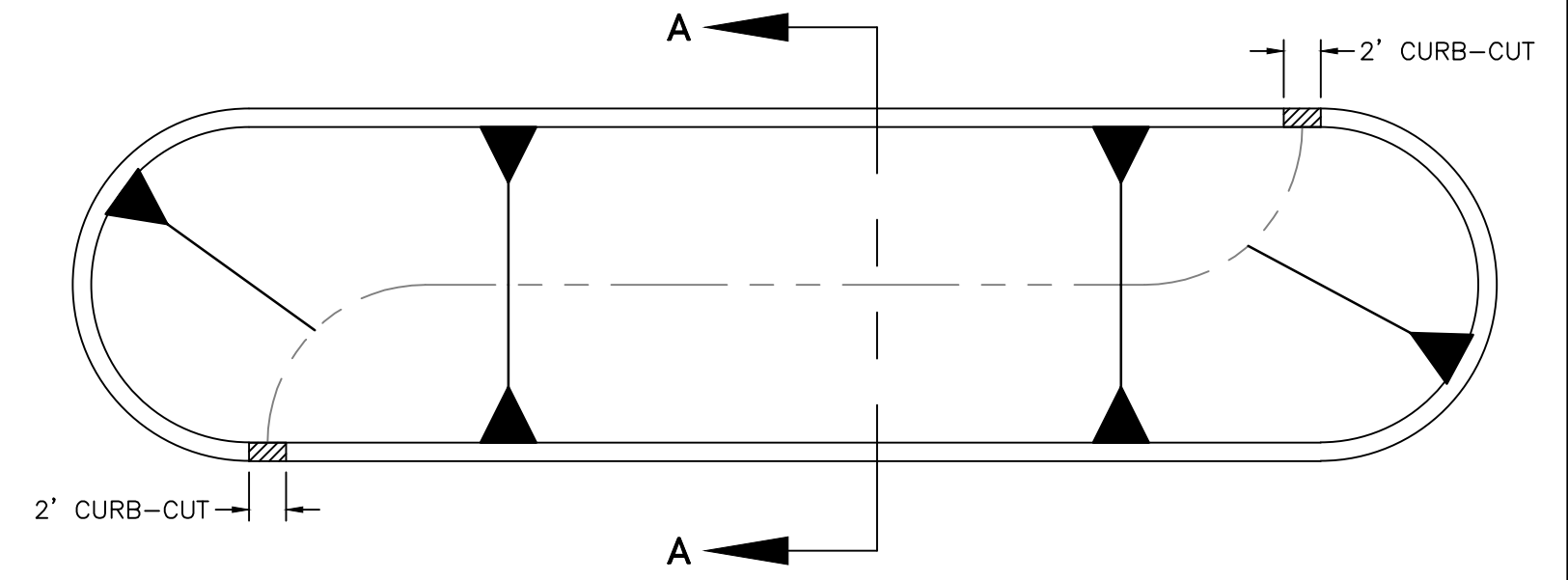
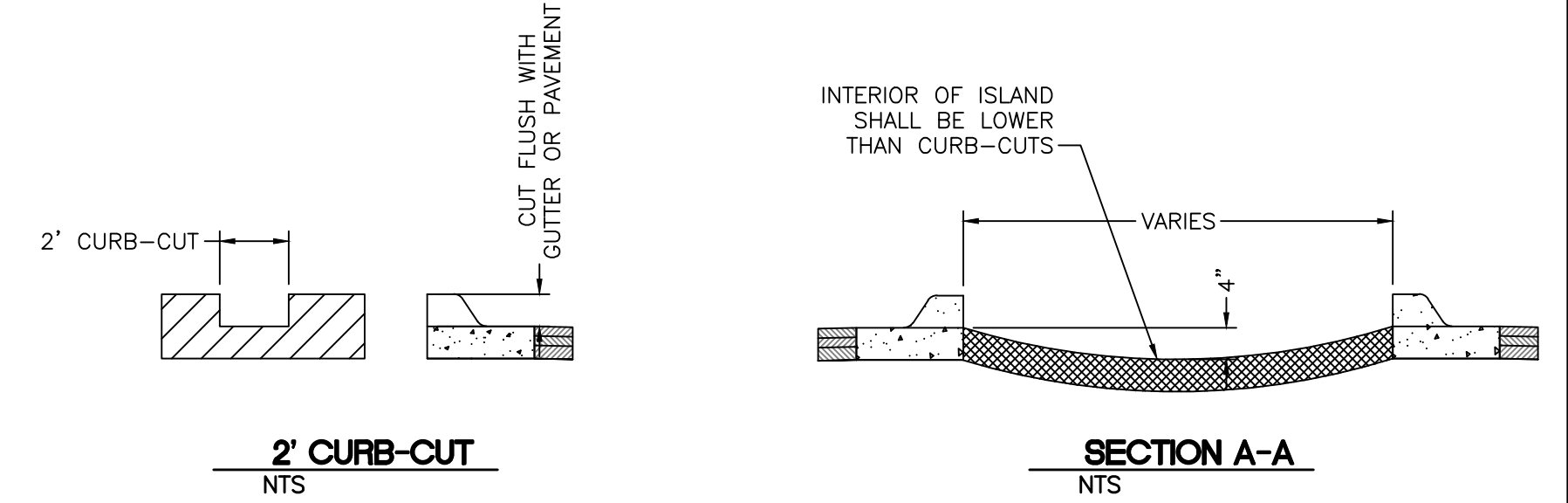
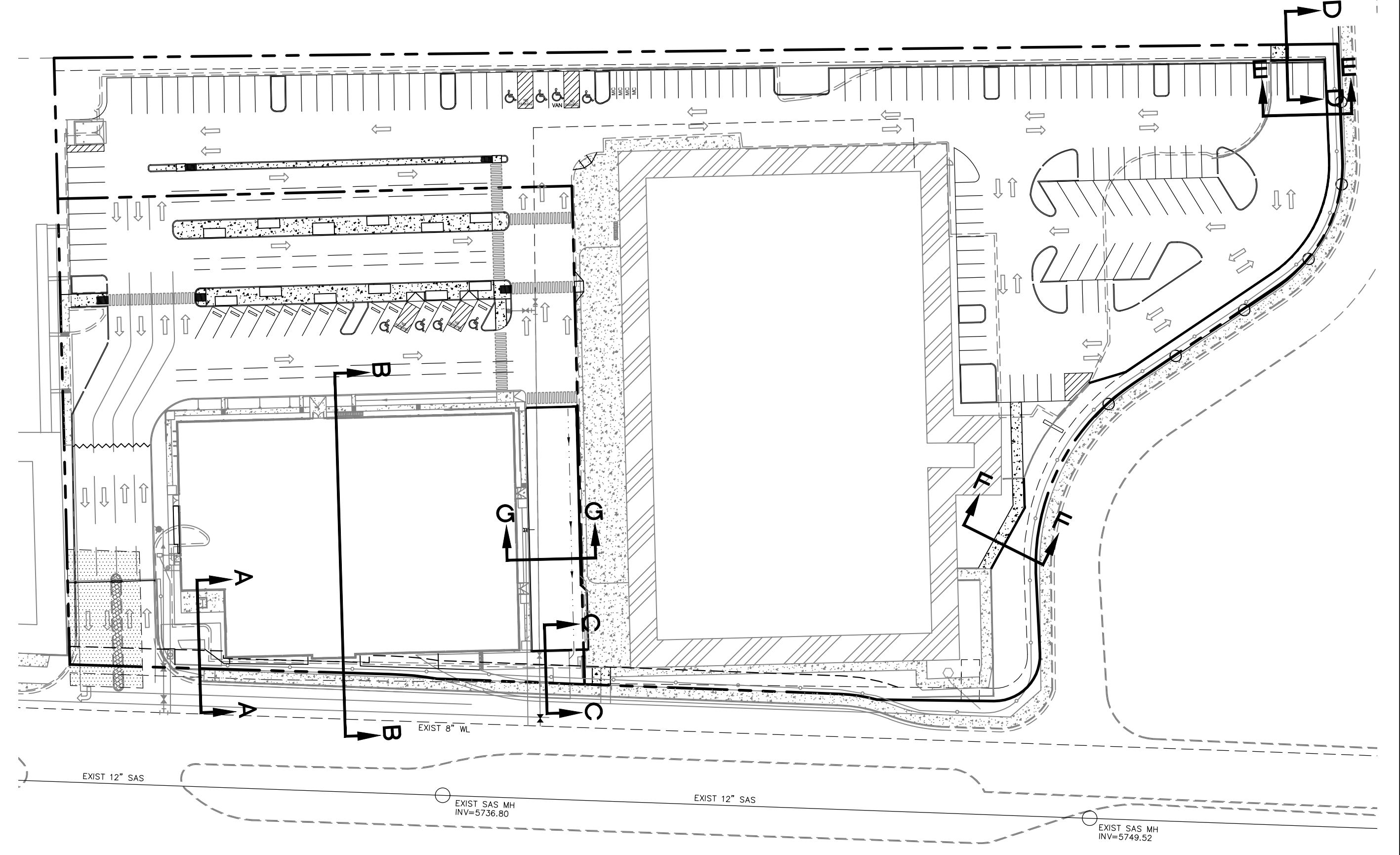
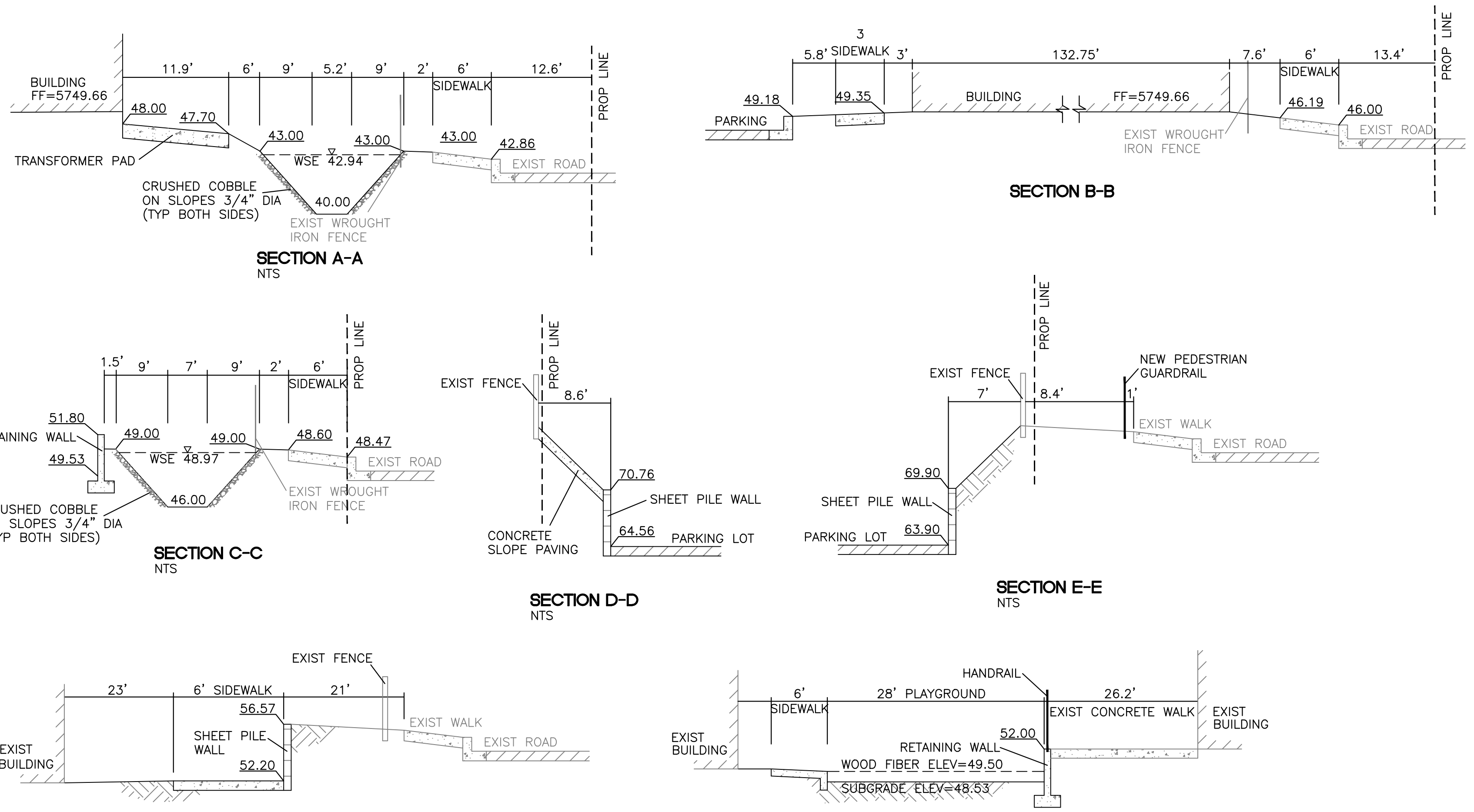
DRAWN BY
pm

DATE
7-2-2020

DRAWING
2019068-GR

SHEET #
GR-1

JOB #
2019068



LANDSCAPE ISLAND WATER HARVESTING DETAIL FOR REFERENCE ONLY - BUILD ISLAND GEOMETRY PER SITE AND GRADING PLAN

Weighted E Method

Mountain Off-Site Basins										
Basin	Area (sf)	Area (acres)	Treatment A		Treatment B		Treatment C		Treatment D	
			%	(acres)	%	(acres)	%	(acres)	%	(acres)
1	188,240	4.32	0%	0	20%	0.86	0%	0.00	80%	3.46
2	7,375	0.17	0%	0	15%	0.03	0%	0.00	85%	0.14
3	5,895	0.14	0%	0	22%	0.03	0%	0.00	78%	0.11
4	750	0.02	0%	0	0%	0.00	100%	0.02	0%	0.00
5	15,536	0.36	0%	0	42%	0.15	0%	0.00	58%	0.21
		5.00								
										0.959
										23.73

Equations:
 Weighted E = $E_a \cdot A_a + E_b \cdot A_b + E_c \cdot A_c + E_d \cdot A_d$ / (Total Area)
 Volume = Weighted D * Total Area
 Flow = $Q_a \cdot A_a + Q_b \cdot A_b + Q_c \cdot A_c + Q_d \cdot A_d$

Zone	Excess Precipitation, E (inches)		Peak Discharge (cfs/acre)	
	100-Year	10-Year	100-Year	10-Year
E _a	0.8	0.28	Q _a	2.2
E _b	1.08	0.46	Q _b	2.92
E _c	1.46	0.73	Q _c	3.73
E _d	2.64	1.69	Q _d	5.25

FIRST FLUSH CALCULATIONS
 POND "A": $9148 \text{ FT}^2 \cdot 0.26" / 12" = 198 \text{ FT}^3$
 POND "B": $4792 \text{ FT}^2 \cdot 0.26" / 12" = 103 \text{ FT}^3$

EXISTING DRAINAGE CONTIDION:
 THE SITE IS AN EXISTING DEVELOPED LOT CONSISTING OF A SINGLE BUILDING AND PARKING LOT AND A NEWLY CONSTRUCTED BUILDING. THE SITE WAS ORIGINALLY APPROVED AS A GROCERY STORE IN 1995 AND THEN CONVERTED TO THE EXISTING SCHOOL IN 2016. THE SITE DRAINS FROM EAST TO WEST AND THE SURFACE RUNOFF IS CONTAINED IN A DRAINAGE CHANNEL JUST OFF-SITE ALONG THE WESTERN PROPERTY LINE. THE DRAINAGE CHANNEL DIRECTS THE FLOWS TO AN EXISTING RETENTION POND THAT HAS AN EMERGENCY OVERFLOW ONTO LOMAS BLVD. THERE IS AN EXISTING DRAINAGE EASEMENT IN PLACE FOR THE DRAINAGE CHANNEL AND RETENTION POND. THE SITE IS LOCATED IN ZONE X.

PROPOSED DRAINAGE CONDITION:
 THE SITE WILL FOLLOW THE EXISTING DRAINAGE PATTERN. A PARKING LOT IS BEING PROPOSED ON THE EAST SIDE OF THE LARGE BUILDING WHICH PREVIOUSLY CONTAINED A SLOPED AREA. THIS INCREASE IN IMPERVIOUS AREA SLIGHTLY INCREASES THE 100 YEAR FLOW BY 0.50 CFS WITH AN INCREASE OF VOLUME BY .028 AC-FT. THE EXISTING RETENTION POND WAS RECENTLY CLEANED OF GROWING VEGETATION AND WILL CONTAIN THE FIRST FLUSH FOR THE SITE AS IT IS SIZED TO CONTAIN THE 100YR FLOW. THE POND HAS THE CAPACITY FOR THE SMALL INCREASE OF 0.28 AC-FT. THE REST OF THE SITE WILL CONTINUE TO DRAIN AS PREVIOUSLY APPROVED WITH TWO SMALL AREAS THAT WILL DRAIN TO THE EXISTING RETENTION PONDS. FOR EACH OF THOSE BASINS PONDS WERE CREATED TO CONTAIN THE 100 YR FLOW AND WILL THEREFORE CONTAIN THE FIRST FLUSH. BOTH PONDS WILL OVERFLOW ONTO LOMAS BLVD. IN THE EVENT A RAINFALL EXCEEDS THE 100 YR STORM.

VOLUME CALCULATIONS

POND "A"						POND "B"					
Ab - Bottom Of The Pond Surface Area			At - Top Of The Pond Surface Area			Ab - Bottom Of The Pond Surface Area			At - Top Of The Pond Surface Area		
D - Water Depth			Dt - Total Pond Depth			D - Water Depth			Dt - Total Pond Depth		
C = Change In Surface Area / Water Depth						C = Change In Surface Area / Water Depth					
Volume = $Ab \cdot D + 0.5 \cdot C \cdot D^2$						Volume = $Ab \cdot D + 0.5 \cdot C \cdot D^2$					
C = $(At - Ab) / Dt$						C = $(At - Ab) / Dt$					
Ab = 204.00			At = 1,540.00			Ab = 67.00			At = 716.00		
Dt = 3.00			C = 445.33			Dt = 3.00			C = 216.33		

ACTUAL ELEV.	DEPTH (FT)	VOLUME (AC-FT)	VOLUME (CU-FT)		ACTUAL ELEV.	DEPTH (FT)	VOLUME (AC-FT)	VOLUME (CU-FT)	
5746.00	0.00	0.00	0		5740.00	0.00	0.00	0	
5746.59	0.59	0.0045	198	1st Flush	5740.71	0.71	0.0024	103	1st Flush
5747.00	1.00	0.0098	427		5741.00	1.00	0.0040	175	
5748.00	2.00	0.0298	1299		5742.00	2.00	0.0130	567	
5748.97	2.97	0.0590	2570	100 yr WSE	5742.94	2.94	0.0260	1133	100 yr WSE
5749.00	3.00	0.0601	2616		5743.00	3.00	0.0270	1175	

CAUTION

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	ABQ SCHOOL OF EXCELLENCE GRADING AND DRAINAGE PLAN	DRAWN BY pm DATE 7-2-2020 DRAWING 2019068-GR
		SHEET # GR-2 JOB # 2019068

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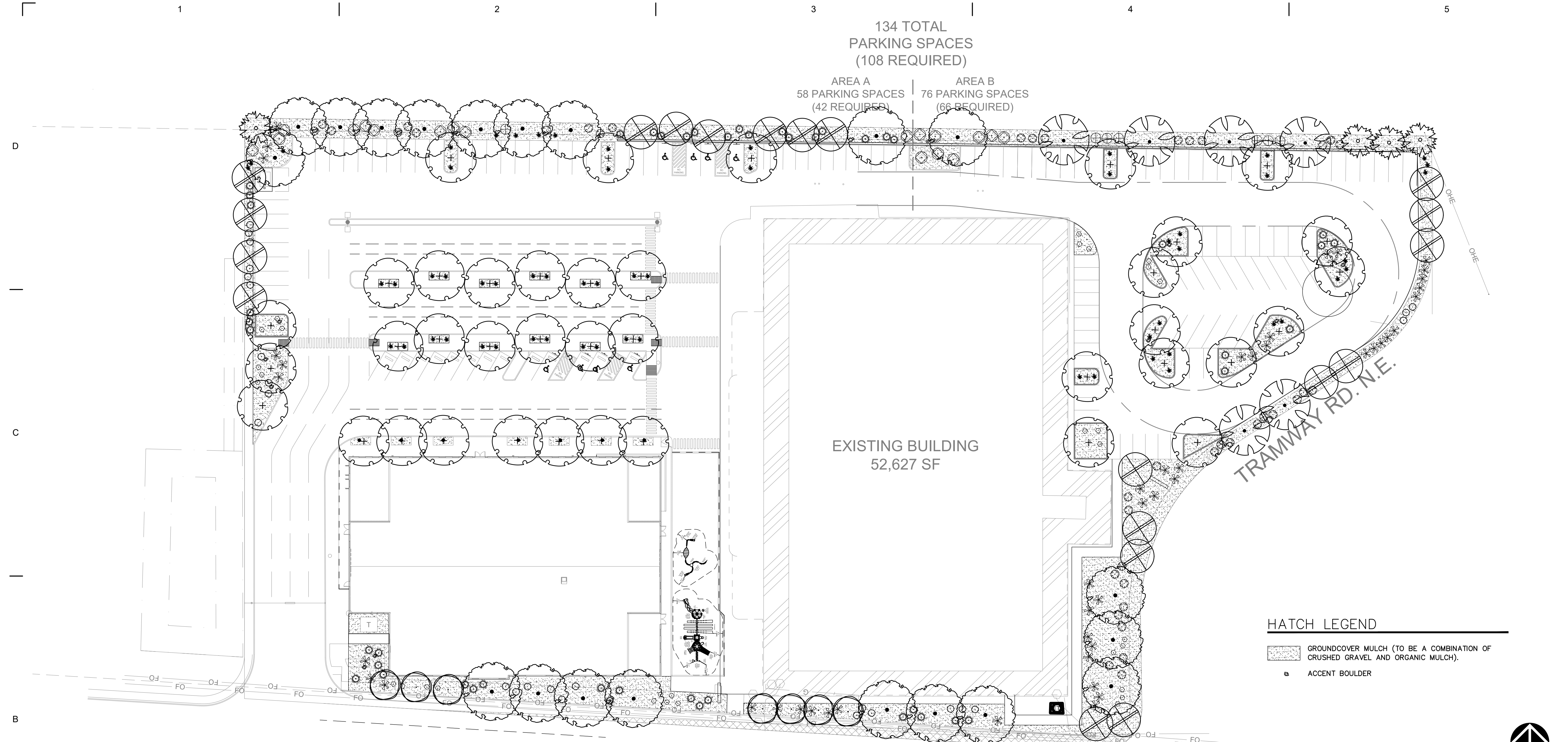
CONSULTANTS

MRWM
LANDSCAPE ARCHITECTS
mrwmla.com 505 268 2266

CONTRACT DOCUMENTS COORDINATION
THE DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT ARE TO BE TAKEN TOGETHER AS A SINGLE CONSTRUCTION CONTRACT DOCUMENT AND ANY DIVISION BY TRADE OR OTHER DESIGNATION IS CONSIDERED GENERAL CONTRACTOR AND ALL SUB-CONTRACTORS SHALL REVIEW AND COORDINATE THE ENTIRE SET OF DRAWINGS AND PROJECT MANUAL.

ASE PK-5 EXPANSION
13201 Lomas Blvd NE, Albuquerque, NM, USA

OWNER
ALBUQUERQUE SCHOOL OF EXCELLENCE

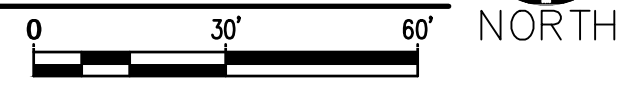


HATCH LEGEND

[Hatched Box]	GROUNDCOVER MULCH (TO BE A COMBINATION OF CRUSHED GRAVEL AND ORGANIC MULCH).
[Square]	ACCENT BOULDER

B1 LANDSCAPE PLAN
SCALE: 1"=30'-0"

LOMAS BLVD.



CITY LANDSCAPE ORDINANCE COMPLIANCE

- LANDSCAPING RESPONSIBILITY FOR MAINTENANCE:**
THE OWNER WILL BE RESPONSIBLE FOR ALL LANDSCAPE MAINTENANCE.
- COMPLIANCE WITH WATER CONSERVATION ORDINANCE:**
- NO SPRAY IRRIGATION IS PROPOSED.
 - PLANT SPECIES WILL BE LOW OR MEDIUM USE SPECIES PER THE ABCWUA'S XERIC PLANT LIST.
 - THIS PLAN HAS NO TURF OR HIGH WATER USE LANDSCAPING.
 - AN AUTOMATIC IRRIGATION SYSTEM WILL BE INSTALLED FOR ALL PLANT MATERIAL. THE SYSTEM WILL BE CONTROLLED BY AN AUTOMATIC CONTROLLER. PLANTS WILL BE IRRIGATED BY LOW FLOW EMITTERS. A REDUCED PRESSURE BACKFLOW PREVENTER WILL BE INSTALLED IN A HEATED ENCLOSURE PER DETAIL A1/LP501 TO PROTECT THE DOMESTIC WATER SUPPLY FROM CROSS-CONTAMINATION.
 - TREES SHALL BE INSTALLED PER DETAIL A4/LP501.
 - SHRUBS SHALL BE INSTALLED PER DETAIL A3/LP501.
 - GROUNDCOVER MULCH SHALL COMPRISE OF A COMBINATION OF CRUSHED GRAVEL (NOT TO EXCEED 75% OF TOTAL AREA) AND ORGANIC MULCH SUCH AS SHREDDED BARK, PECAN SHELLS, ETC.

CITY LANDSCAPE ORDINANCE COMPLIANCE – CONTINUED

- LANDSCAPE CALCULATIONS:**
- TOTAL LOT AREA: 219,542 SF
LESS TOTAL BUILDING AREA: 76,129 SF
NET LOT AREA: 143,413 SF
 - REQUIRED MINIMUM LANDSCAPE AREA (15% OF NET LOT AREA) – [5-6(C)(2)]: 21,512 SF
PROVIDED LANDSCAPE AREA: 26,950 SF (18.8% OF NET LOT AREA)
 - REQUIRED VEGETATIVE COVERAGE (75% OF REQUIRED LANDSCAPE AREA) – [5-6(C)(2)(C)]: 16,134 SF
PROVIDED VEGETATIVE COVERAGE: 23,383 SF (145% OF REQUIRED TOTAL COVERAGE)
 - REQUIRED GROUND LEVEL VEGETATIVE COVERAGE (25% OF TOTAL VEGETATIVE COVERAGE) – [5-6(C)(2)(C)]: 5,378 SF
PROVIDED GROUND LEVEL VEGETATIVE COVERAGE: 5,380 SF (100% OF REQUIRED TOTAL COVERAGE)
 - REQUIRED STREET TREES – [5-6(D)(1)]:
15 (440 LF ALONG TRAMWAY RD, TREES AVERAGE 30' O.C.)
16 (458 LF ALONG LOMAS BLVD, TREES AVERAGE 30' O.C.)
PROVIDED STREET TREES:
15 TREES ALONG TRAMWAY RD.
16 TREES ALONG LOMAS BLVD.
 - REQUIRED PARKING LOT INTERIOR LANDSCAPE – [5-6(F)(2)]:
11,387 SF (15% MINIMUM OF PARKING LOT AREAS CONTAINING 50 OR MORE SPACES)
PROVIDED PARKING LOT INTERIOR LANDSCAPE:
12,079 SF (106% OF PARKING LOT INTERIOR LANDSCAPE)
 - REQUIRED PARKING LOT TREES AT ONE TREE PER TEN SPACES – [5-6(F)(2)(C)]:
134 TOTAL SPACES
14 REQUIRED TREES
PROVIDED PARKING LOT TREES PROVIDED:
52 TREES

PLANT LEGEND

KEY	COMMON NAME	BOTANICAL NAME	QUANTITY	INSTALLED SIZE	REMARKS	MATURE SIZE	WATER USE	DECID./EV.	COVERAGE
SHADE TREES									
AE	ALLEE ELM	ULMUS PARVIFOLIA 'EMER II'	38	2" CAL., 12'-14' HT.	B&B	40' HT. X 35' SPD.	M	D	962 SF.
AC	ACCOLADE ELM	ULMUS JAPONICA X WILSONIANA 'MORTON' 20	2	2" CAL., 10'-12' HT.	B&B	50' HT. X 40' SPD.	M	D	1256 SF.
GRT	GOLDEN RAIN TREE	KOELREUTERIA PANICULATA	7	2" CAL., 8'-10' HT.	B&B	25' HT. X 20' SPD.	M	D	315 SF.
DW	DESERT WILLOW	CHILOPSIS LINEARIS 'BUBBA'	20	2" CAL., 8'-10' HT.	B&B	25' HT. X 20' SPD.	RW	D	315 SF.
BO	BURR OAK	QUERCUS MACROCARPA	6	2" CAL., 10'-12' HT.	B&B	40' HT. X 35' SPD.	M	D	1256 SF.
EVERGREEN TREES									
AFP	AFGHAN PINE	PINUS ELДАРICA	4	5'-7' HT.	B&B	40' HT. X 20' SPD.	M	E	315 SF.
SHRUBS/GROUNDCOVERS									
RY	RED YUCCA	HESPERALOE PARVIFOLIA	59	MIN. 18" HT.	5 GAL	3' HT. X 3' SPD.	L	E	7 SF.
TB	TURPENTINE BUSH	ERICAMERIA LARICIFOLIA	30	MIN. 8" HT.	5 GAL	3' HT. X 3' SPD.	L	E	7 SF.
GS	GIANT SACATON	SPOROBOLUS WRIGHTII	40	MIN. 18" HT.	1 GAL	5' HT. X 5' SPD.	M	D	20 SF.
CH	CHAMISA	ERICAMERIA NAUSEOSUS	18	MIN. 6" HT.	1 GAL	5' HT. X 7' SPD.	RW	D	40 SF.
BB	BUTTERFLY BUSH	BUDDLEIA DAVIDII 'BLACK KNIGHT'	7	MIN. 12" HT.	1 GAL	6' HT. X 6' SPD.	M	D	30 SF.
BM	BLUE MIST SPIREA	CARYOPTERIS CLANDONENSIS 'BLUE MIST'	25	MIN. 12" HT.	5 GAL	3' HT. X 3' SPD.	L	D	7 SF.
BCJ	BLUE CHIP JUNIPER	JUNIPERUS HORIZONTALIS 'BLUE CHIP'	48	MIN. 10" SPD.	5 GAL	12" HT. X 6' SPD.	M	E	30 SF.
GLS	GRO-LOW SUMAC	RHUS AROMATICA 'GRO-LOW'	47	MIN. 12" SPD.	5 GAL	2' HT. X 6' SPD.	L	D	30 SF.

UPDATED SET AS 05/28/2020

MARK	DATE	DESCRIPTION
1	190763	
2	06/29/2020	
3	KA	
4	AZ	

SHEET TITLE

LANDSCAPE PLAN

LP101

CONSULTANTS

MRWM
LANDSCAPE ARCHITECTS

mrwmla.com 505 268 2266

CONTRACT DOCUMENTS COORDINATION
THE DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT ARE TO BE TAKEN TOGETHER AS A SINGLE CONSTRUCTION CONTRACT DOCUMENT AND ANY DIVISION BY TRADE OR OTHER DESIGNATION IS CONSIDERED GENERAL CONTRACTOR AND ALL SUB-CONTRACTORS SHALL REVIEW AND COORDINATE THE ENTIRE SET OF DRAWINGS AND PROJECT MANUAL.

**ASE PK-5
EXPANSION**

13201 Lomas Blvd NE, Albuquerque,
NM, USA

OWNER

ALBUQUERQUE SCHOOL OF
EXCELLENCE

UPDATED SET AS 05/28/2020

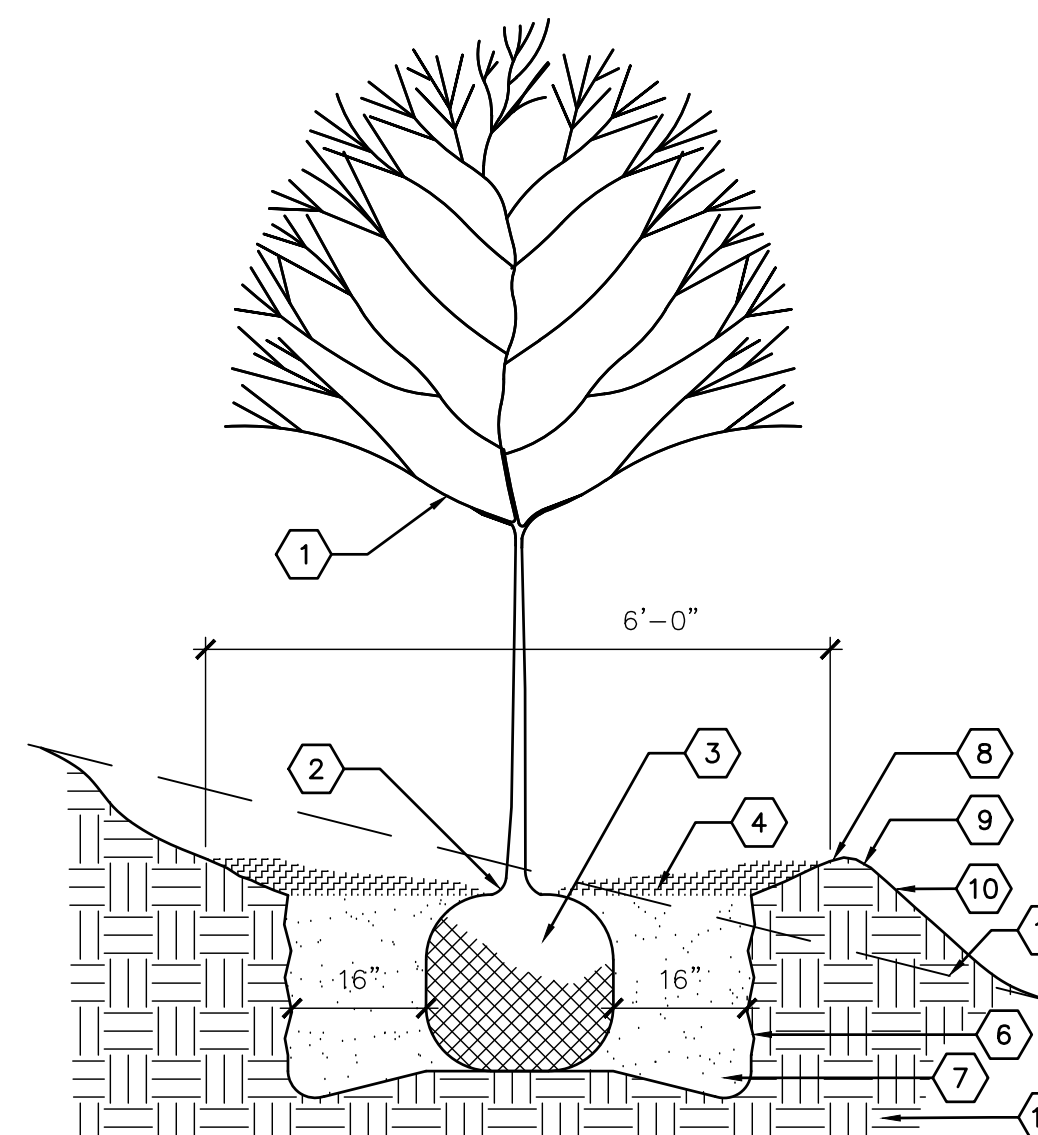
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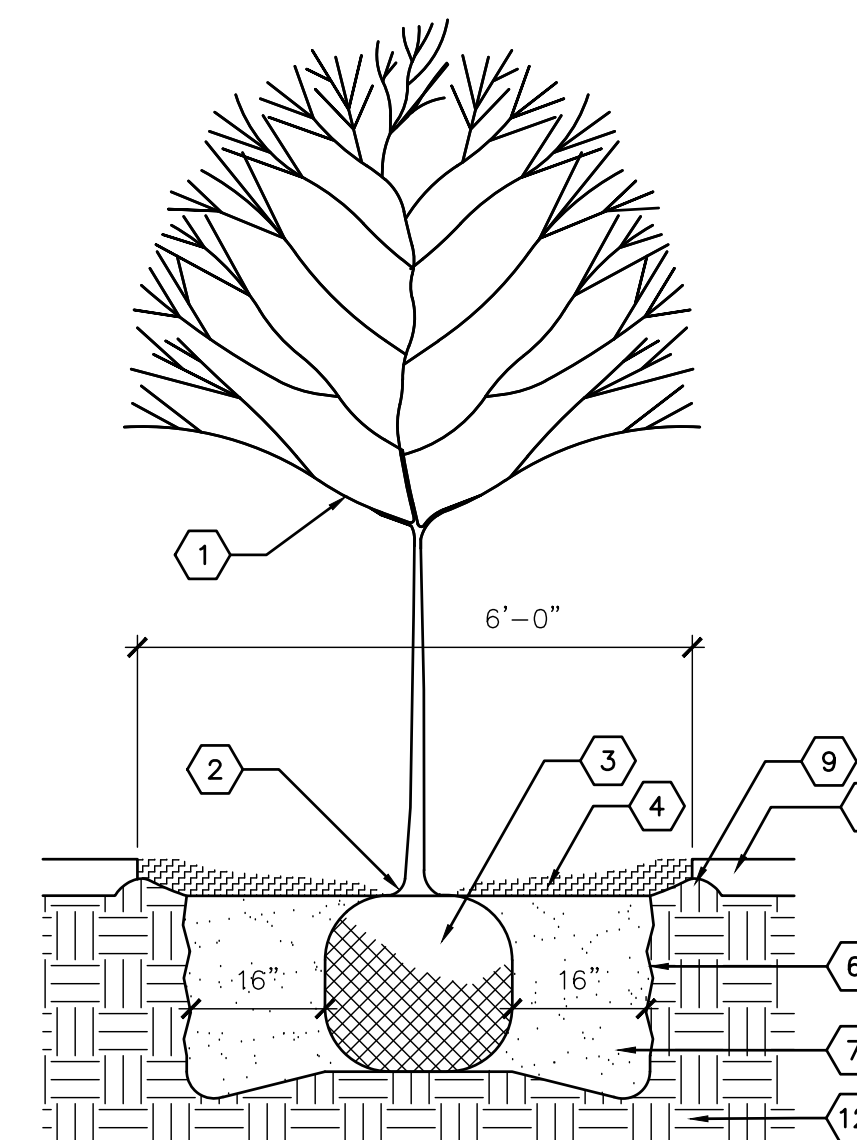
SHEET TITLE

LANDSCAPE DETAILS

LP501



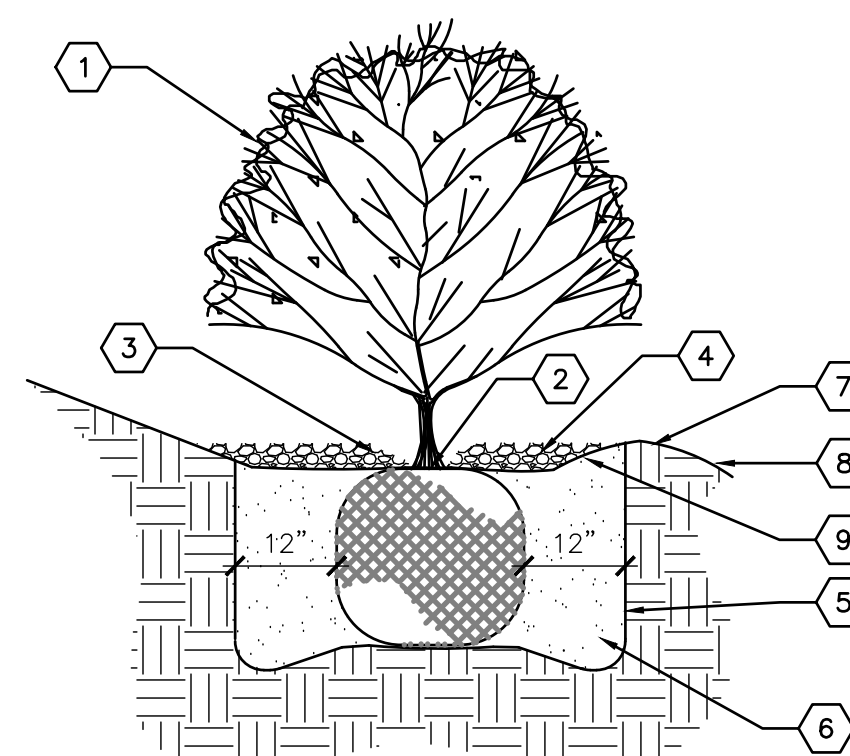
TREE PLANTING ON SLOPE



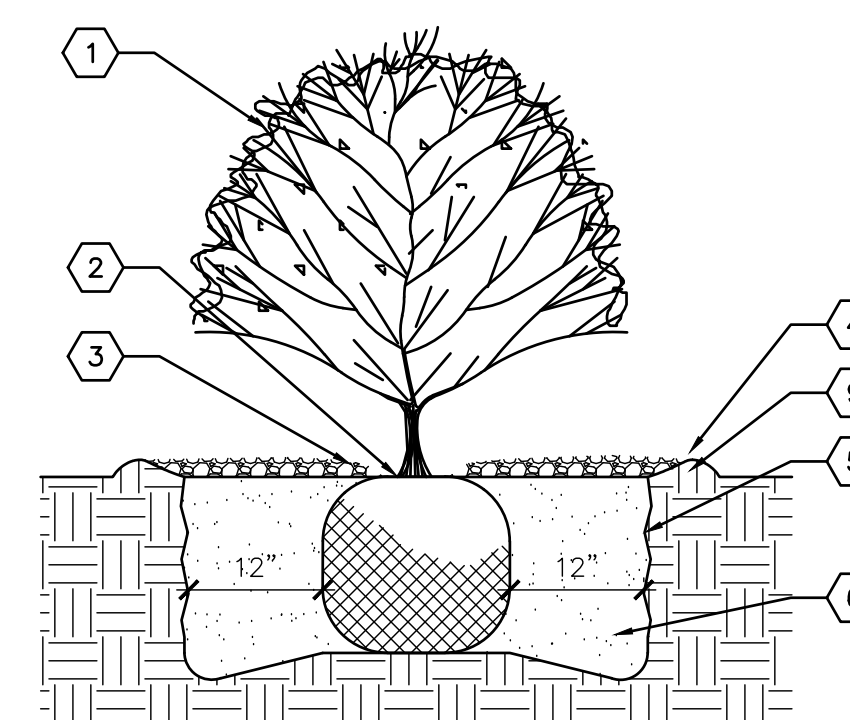
KEYED NOTES

- TREE LOCATION AND SPECIES PER PLAN.
- REMOVE EXISTING SOIL (FROM NURSERY) AS NEEDED TO EXPOSE ROOT FLARE. INSTALL WITH ROOT FLARE 2" - 3" ABOVE GRADE AND HELD BACK 2" FROM TREE TRUNK. MULCH SHALL BE HELD BACK 4" - 6" FROM TREE TRUNK.
- PLACE TREE IN HOLE TO STRAIGHTEN. REMOVE WIRE BASKET, WOOD BOX, PLASTIC, TWINE AND/OR ROPE, AND BURLAP PRIOR TO BACKFILL.
- PROVIDE 6' DIAMETER AREA OF SHREDDED WOOD MULCH AT 2" DEPTH AT BASE OF EACH TREE. WHERE SPACE DOESN'T PERMIT 6' DIAMETER, PROVIDE MAXIMUM DIAMETER OF BARK MULCH UP TO 6'.
- MATERIAL VARIES - SEE PLAN.
- SCARIFY EDGE OF PLANTING HOLE, CONTINUOUS ALL SIDES.
- BACKFILL AND SOIL AMENDMENTS (SEE SPECIFICATIONS). THOROUGHLY MIX BACKFILL AND AMENDMENTS PRIOR TO INSTALLATION.
- SMOOTHLY TAPER SLOPE TO FORM TREE WELL.
- EARTHEN BERM, 6" HEIGHT.
- PROPOSED GRADE
- EXISTING GRADE
- UNDISTURBED SUBGRADE

A4 TREE PLANTING
SCALE: N.T.S.



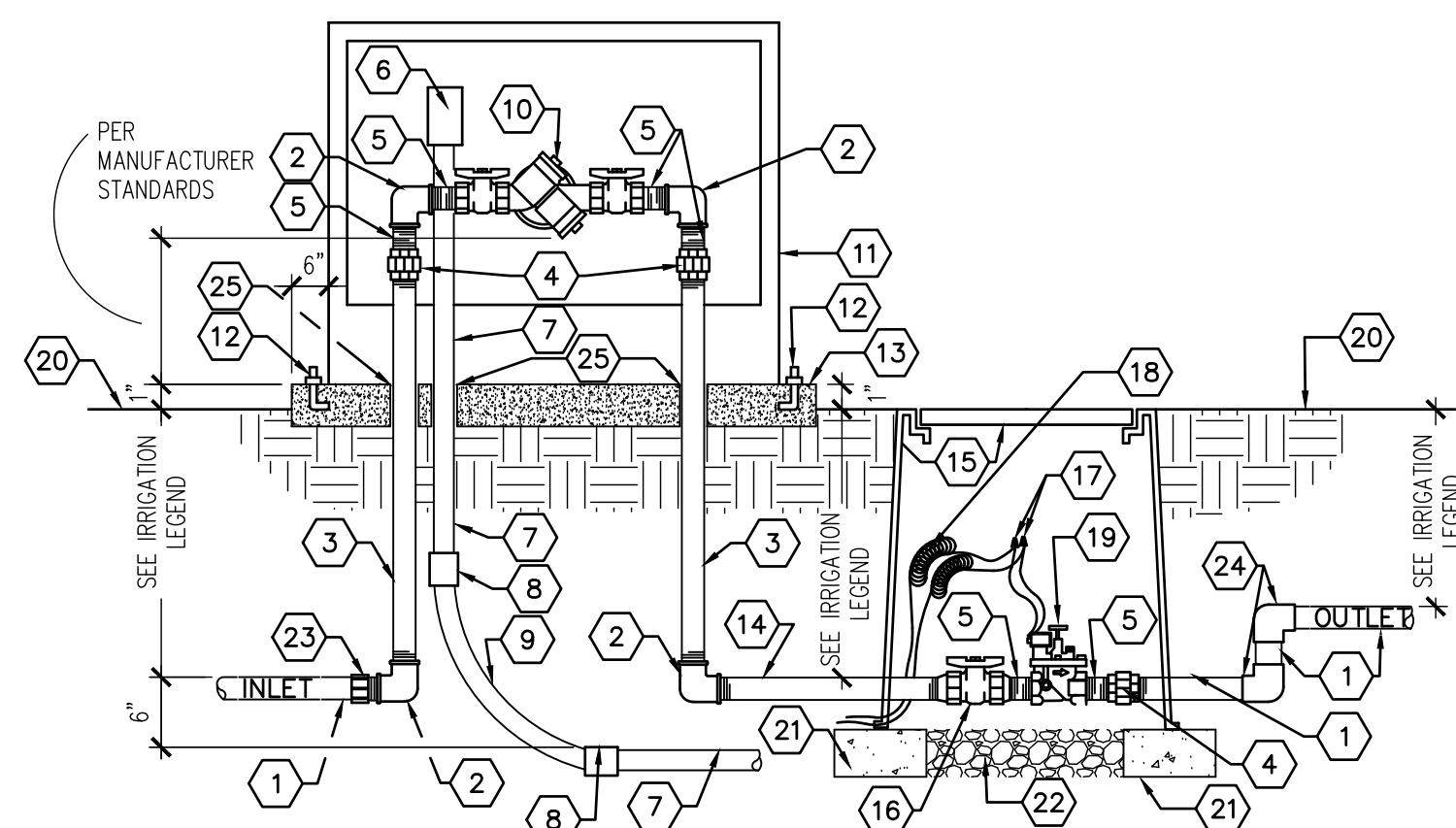
SHRUB PLANTING ON SLOPE



KEYED NOTES

- SHRUB LOCATION AND SPECIES AS PER PLAN.
- PLANT AT SAME DEPTH MAINTAINED AT NURSERY.
- HOLD MULCH BACK 2" FROM SHRUB STEM(S).
- 2" DEPTH SHREDDED MULCH WITHIN SHRUB WELL. WHEN SHOWN WITHIN PLANTING BEDS WITH GRAVEL MULCH, EXCLUDE SHREDDED WOOD MULCH AND FEATHER GRAVEL MULCH TO 2" DEPTH ON TOP OF ROOT BALL.
- SCARIFY EDGE OF PLANTING HOLE, CONTINUOUS ALL SIDES.
- BACKFILL AND SOIL AMENDMENTS (SEE SPECIFICATIONS).
- PROPOSED GRADE.
- SMOOTHLY TAPER SLOPE TO FORM SHRUB WELL.
- EARTHEN BERM 6" HEIGHT.

A3 SHRUB PLANTING
SCALE: N.T.S.



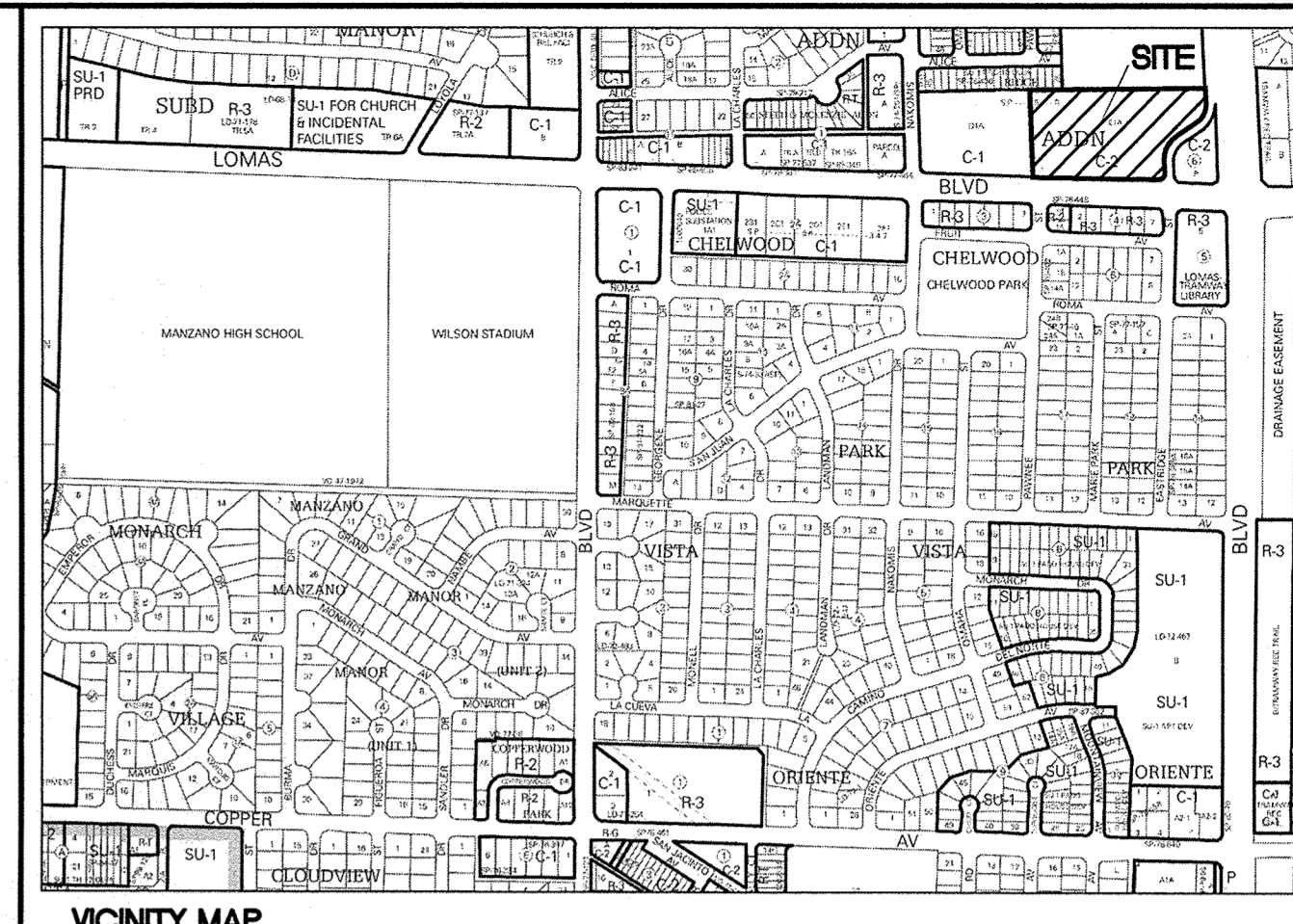
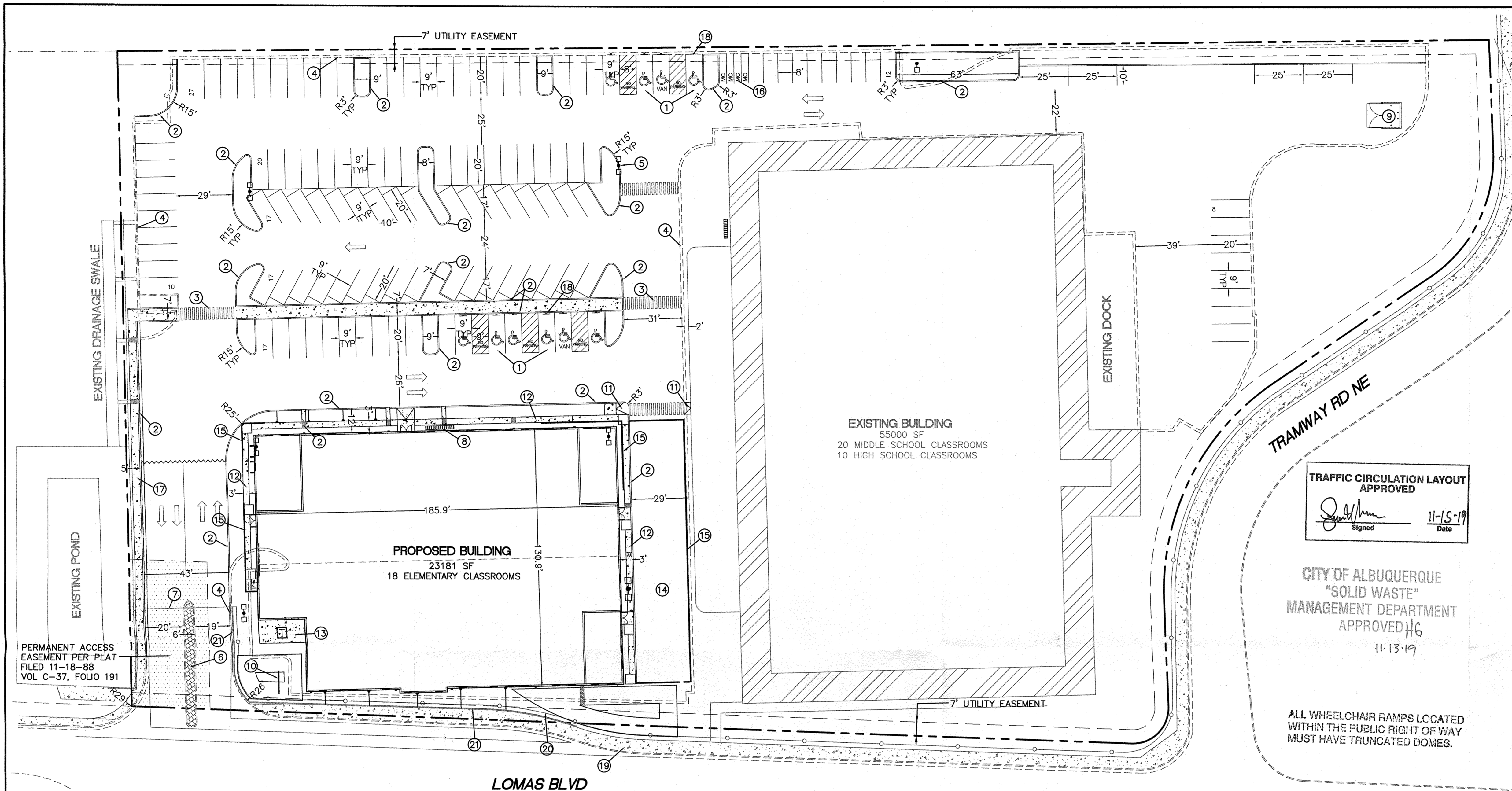
KEYED NOTES

- PVC MAINLINE - SEE SPECS.
- GALVANIZED ELBOW.
- GALVANIZED NIPPLE, LENGTH AS REQUIRED.
- GALVANIZED UNION.
- GALVANIZED NIPPLE - 3" LENGTH.
- JUNCTION BOX FOR HEAT TAPE.
- RIGID CONDUIT.
- WATERTIGHT CONNECTOR.
- RIGID SWEEP ELL.
- REDUCED PRESSURE BACKFLOW PREVENTER, FEBCO 825Y, OR EQUAL.
- INSULATED ENCLOSURE - SEE SPECS.
- 1/2" X 6" ANCHOR BOLTS, FOUR PER BOX.
- 3000 PSI CONCRETE PAD, 6" THICK WITH TOOLED EDGES.
- GALVANIZED NIPPLE - 36" LENGTH.
- VALVE BOX W/ 8" EXTENSIONS AS REQUIRED.
- SPEARS TRUE UNION SCH. 80 PVC BALL VALVE.
- WATERPROOF WIRE SPLICE.
- 36" WIRE LOOPS.
- MASTER VALVE - SEE SPECS.
- FINISH GRADE.
- SOLID CMU BLOCK, FOUR PER BOX.
- 6" DEPTH OF 1" WASHED GRAVEL WITH 2" CLEARANCE TO BOTTOM OF VALVE ASSEMBLY.
- SCH 40 PVC MALE ADAPTER.
- MAIN LINE ELL, 90 DEGREE.
- PVC SLEEVE.

GENERAL NOTES

- CONTRACTOR SHALL SUPPLY AND INSTALL WINTERGARD WET H612 HEAT CABLE AROUND EXPOSED PIPES AND BACKFLOW PREVENTER. MINIMUM 1:3 SPIRALING RATIO.

A1 BACKFLOW PREVENTER & MASTER VALVE ASSEMBLY
SCALE: N.T.S.



LEGAL DESCRIPTION:
PARCEL E-1-A, PANORAMA HEIGHTS ADDITION

UPC NO: 102205847502241515

SITE DATA

ZONING	MX-M
PROPOSED USAGE	EDUCATIONAL
LOT AREA	219542 SF (5.04 ACRES)
EXISTING BUILDING AREA	55000 SF
PROPOSED BUILDING AREA	23181 SF

PARKING

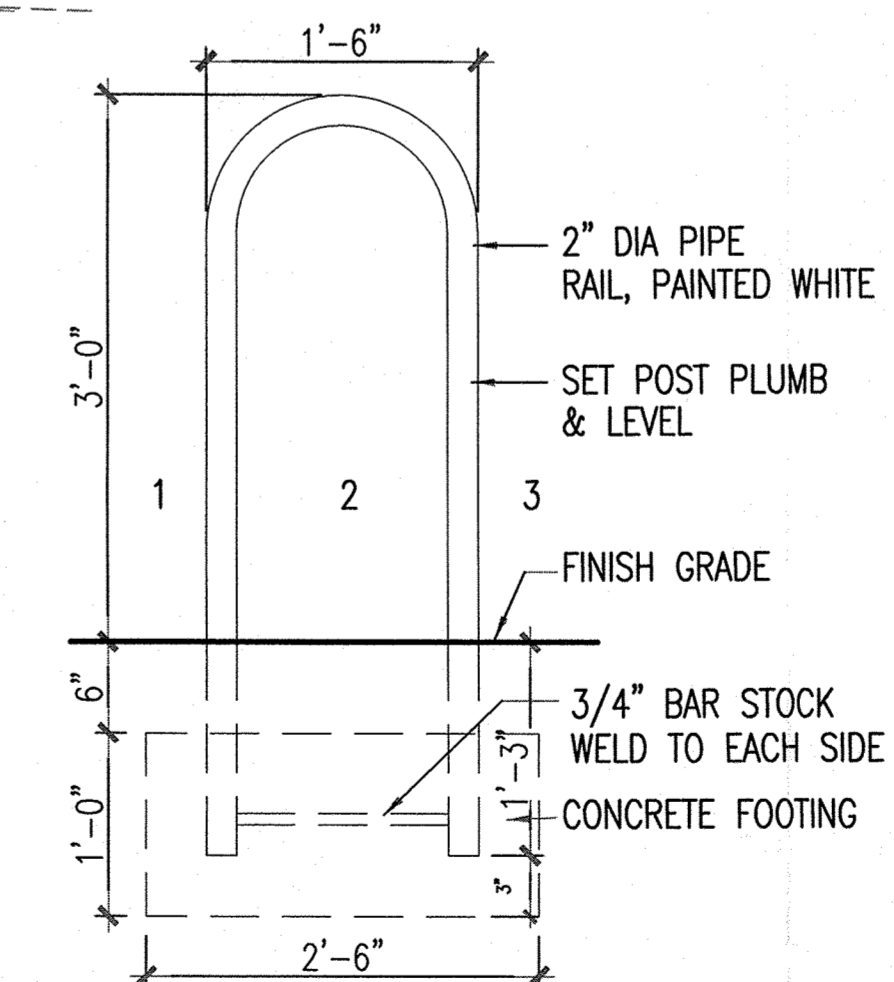
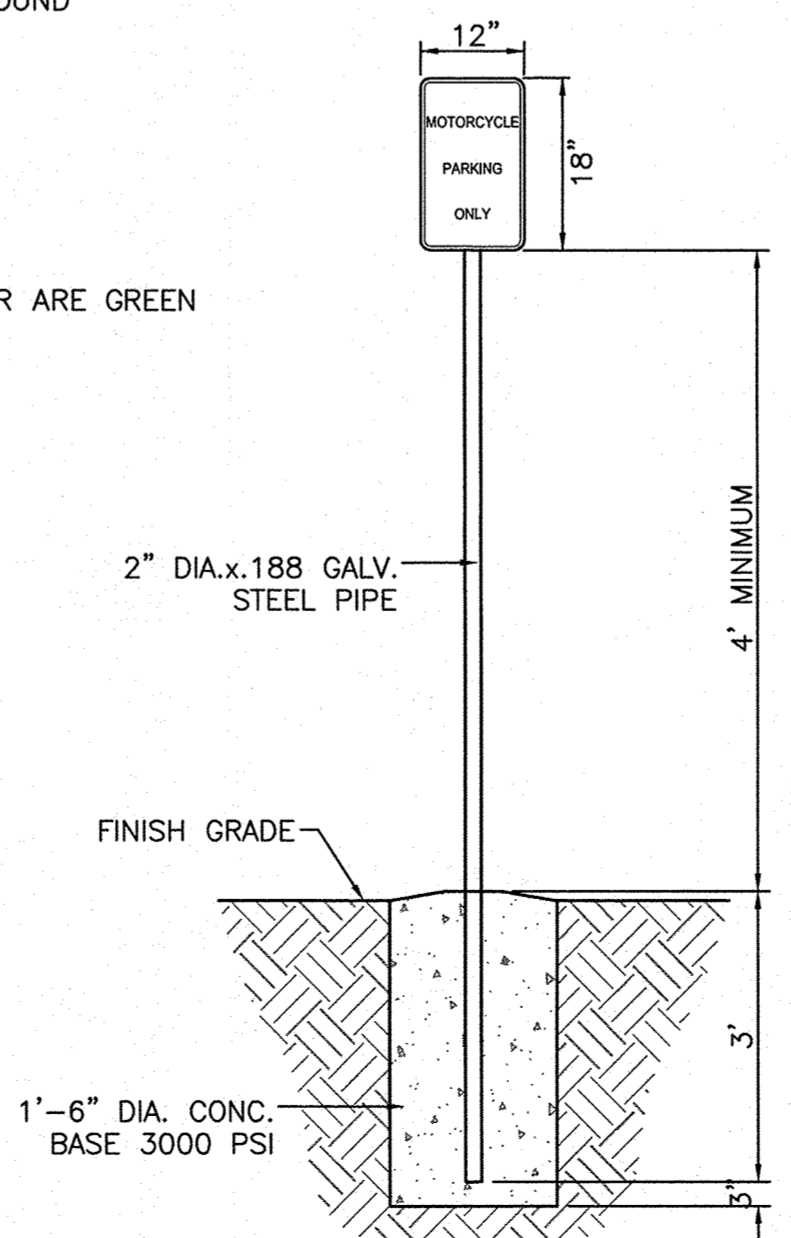
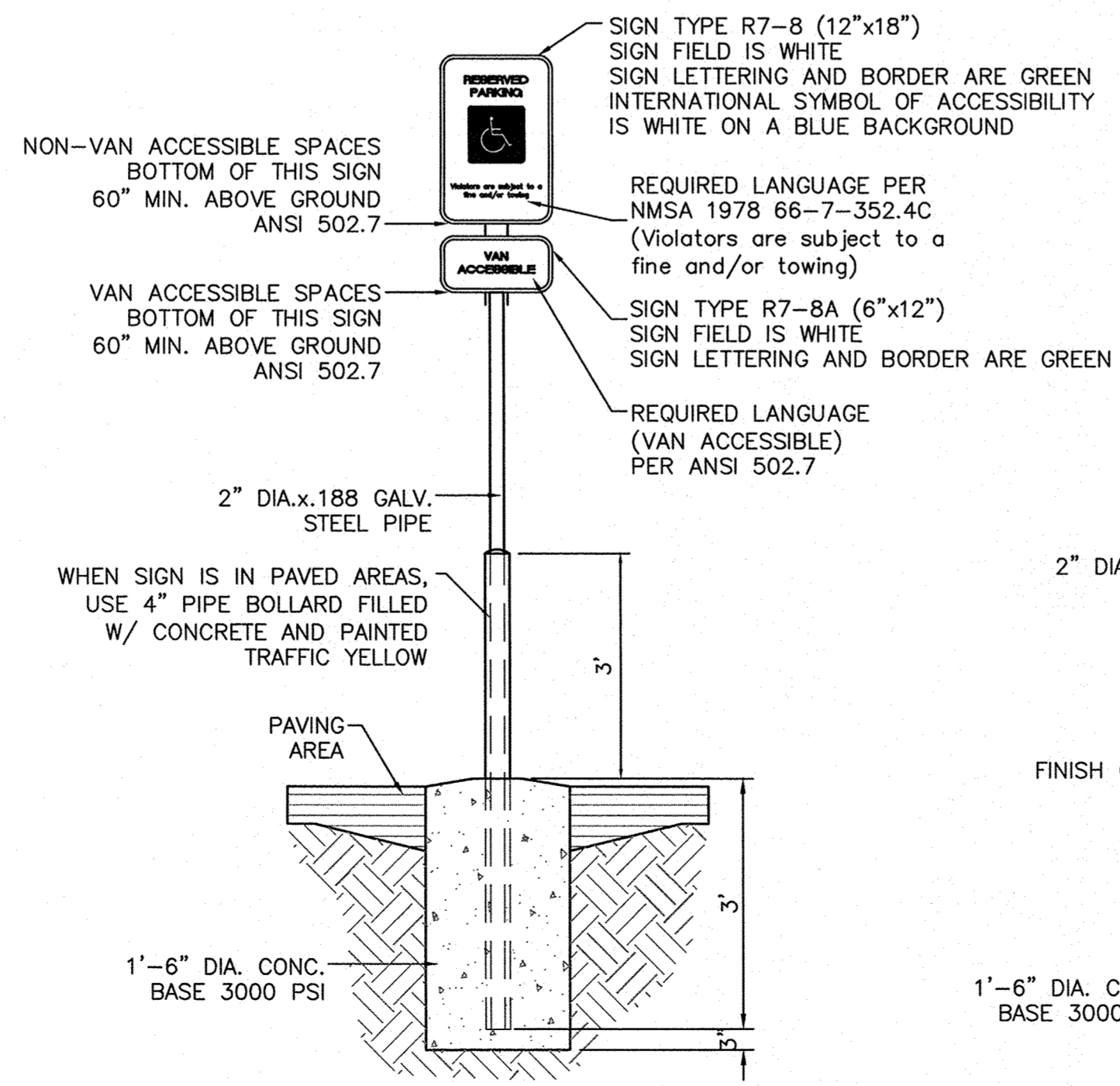
TOTAL PARKING REQUIRED	38 ELEMENTARY/MIDDLE SCHOOL CLASSROOMS (2 SPACES PER CLASSROOM) 76 SPACES
	10 HIGH SCHOOL CLASSROOMS (3 SPACES PER CLASSROOM) 30 SPACES
TOTAL SPACES REQUIRED	106 SPACES
TOTAL BICYCLE SPACES REQUIRED	10 SPACES (10% OF REQUIRED SPACES)
TOTAL MOTORCYCLE SPACES REQUIRED	4 SPACES

PROVIDED

PARKING PROVIDED	124 SPACES
HC PARKING REQUIRED	8 SPACES
HC SPACES PROVIDED	10 SPACES (2 VAN ACCESSIBLE)
MOTORCYCLE SPACES PROVIDED	4 SPACES
BICYCLE SPACES PROVIDED	15 SPACES

LANDSCAPE REQUIRED 21159 SF
LANDSCAPE PROVIDED 33750 SF

- KEYED NOTES**
- 1 ACCESSIBLE PARKING PER ADA STANDARDS (1.0% MIN - 2.0% MAX SLOPE)
AISLE "NO PARKING" LETTERING SHALL BE CAPITAL LETTERS AT LEAST 1" HIGH AND AT LEAST 2" 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 (66-1-4.1.B NMSA 1978)
 - 2 CURB AND GUTTER PER COA STD DWG 2415A
 - 3 6" PEDESTRIAN CROSSWALK
 - 4 EXISTING CURB
 - 5 PARKING LOT LIGHT (TYP)
 - 6 EXISTING ISLAND
 - 7 EXISTING GATE
 - 8 BICYCLE RACK (15)
 - 9 DUMPSTER W/RECYCLE
 - 10 EXISTING PYLON SIGN (TO BE REMOVED)
 - 11 ACCESSIBLE RAMP
 - 12 3' SIDEWALK RAMP
 - 13 CONCRETE TRANSFORMER PAD
 - 14 PLAYGROUND
 - 15 CONCRETE BLOCK WALL
 - 16 MOTORCYCLE PARKING W/SIGN (TYP)
 - 17 NEW 5' SIDEWALK
 - 18 ACCESSIBLE PARKING SIGN (TYP)
 - 19 EXISTING 8' SIDEWALK
 - 20 EXISTING WROUGHT IRON FENCE
 - 21 EXISTING BLOCK WALL



- NOTES**
- THE RACK SHALL BE A MINIMUM 30" TALL AND 18" WIDE
 - THE BICYCLE FRAME SHALL BE SUPPORTED HORIZONTALLY AT 2 OR MORE PLACES. COMB/TOASTER RACKS ARE NOT ALLOWED
 - THE RACK SHALL BE DESIGNED TO SUPPORT THE BICYCLE IN AN UPRIGHT POSITION. SEE THE IDO FOR ADDITIONAL INFORMATION
 - THE RACK ALLOWS FOR VARYING BICYCLE FRAME SIZE AND STYLES TO BE ATTACHED
 - THE USER IN NOT REQUIRED TO LIFT THE BICYCLE ONTO THE RACK
 - EACH BICYCLE PARKING SPACE IS ACCESSIBLE WITHOUT MOVING ANOTHER BICYCLE
 - BICYCLE RACKS SHALL BE STURDY AND ANCHORED TO A CONCRETE PAD
 - A 1 FOOT CLEAR ZONE AROUND THE BICYCLE PARKING SHALL BE PROVIDED
 - BICYCLE PARKING SPACES SHALL BE AT LEAST 6' LONG AND 2' WIDE

LEGEND

- CURB & GUTTER
- BOUNDARY LINE
- - - EASEMENT
- ▭ BUILDING
- ▨ SIDEWALK
- ▩ CONCRETE WALL
- EXISTING CURB & GUTTER
- - - EXISTING BOUNDARY LINE
- ▭ EXISTING BLOCK WALL
- EXISTING WROUGHT IRON FENCE
- +□ PARKING LOT LIGHT

RECEIVED
NOV 14 2019
LAND DEVELOPMENT SECTION

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

ENGINEER'S SEAL RONALD R. BOHANNAN P.E. #7868	ABO SCHOOL OF EXCELLENCE	DRAWN BY pm
	TRAFFIC CIRCULATION LAYOUT	DATE 11-12-19
TIERRA WEST, LLC 5571 MIDWAY PARK PL NE ALBUQUERQUE, NEW MEXICO 87109 (505) 858-3100 www.tierrawestllc.com	DRAWING 2019068-SP	SHEET # SP-1
		JOB # 2019068