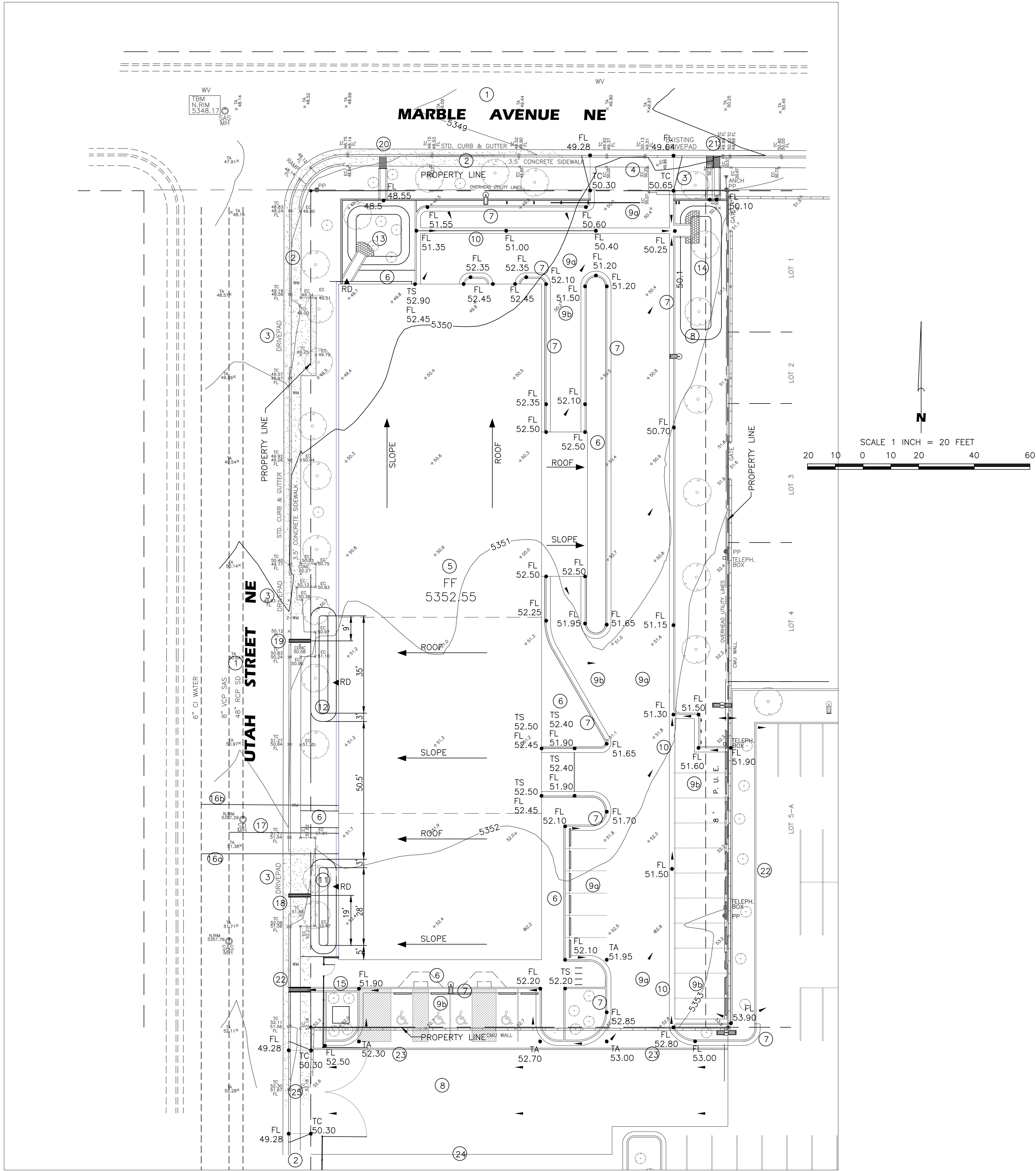


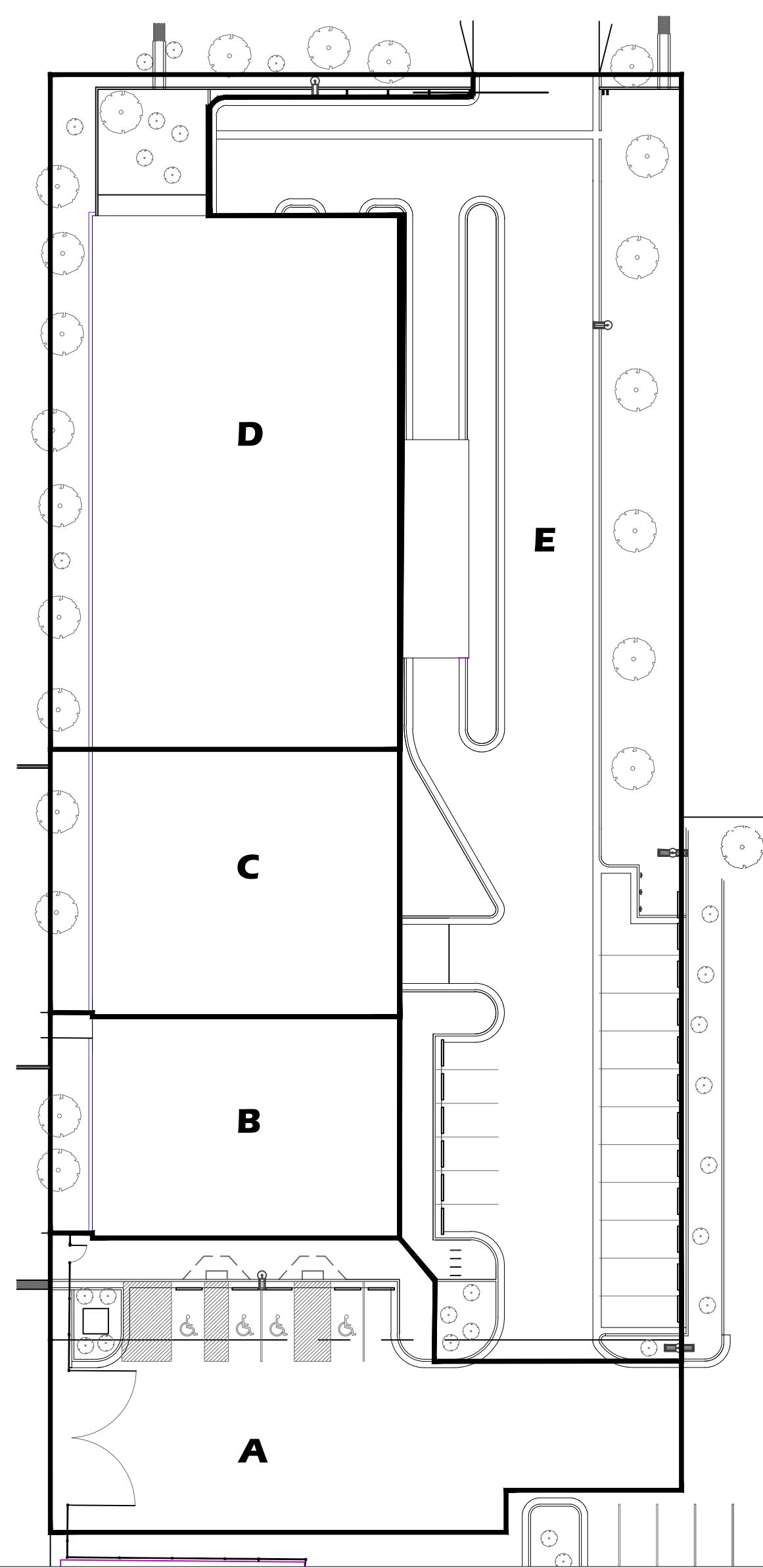
VICINITY MAP NO. F-11



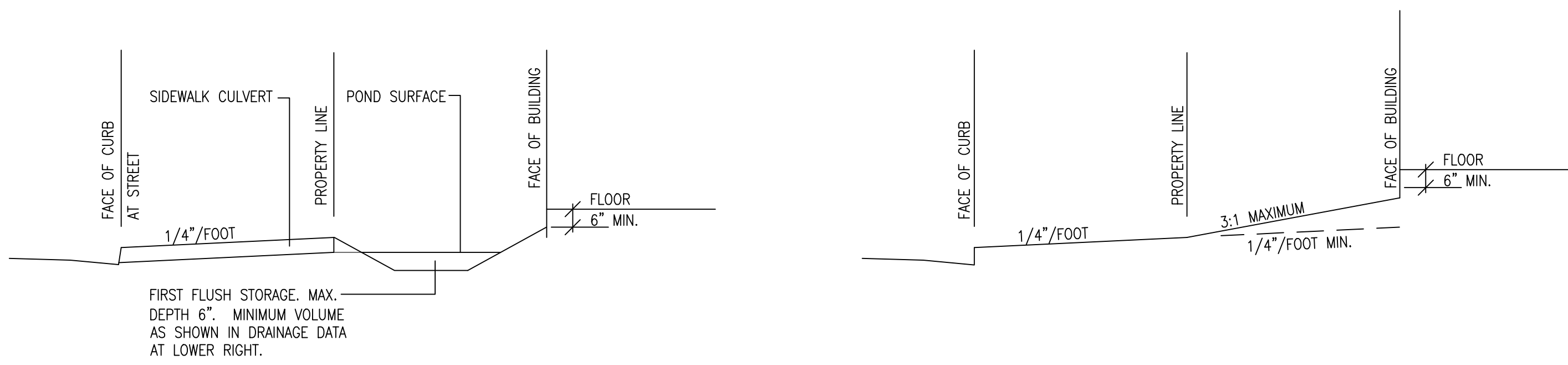
NOTE: ALL PUBLIC IMPROVEMENTS IN THE PUBLIC RIGHT-OF-WAY ARE INCLUDED ON A PUBLIC WORK ORDER. THIS INCLUDES REMOVAL OF EXISTING WATER METER BOXES AND CAPPING WATER SERVICE AND SANITARY SERVICE LINES AND INSTALLATION OF NEW WATER AND SANITARY SEWER SERVICES. IT ALSO INCLUDES ITEMS 3, 4 AND 18 THRU 21 SHOWN ON THIS SHEET AND DEFINED IN THE KEYED NOTES AT RIGHT.

DRAINAGE BASINS

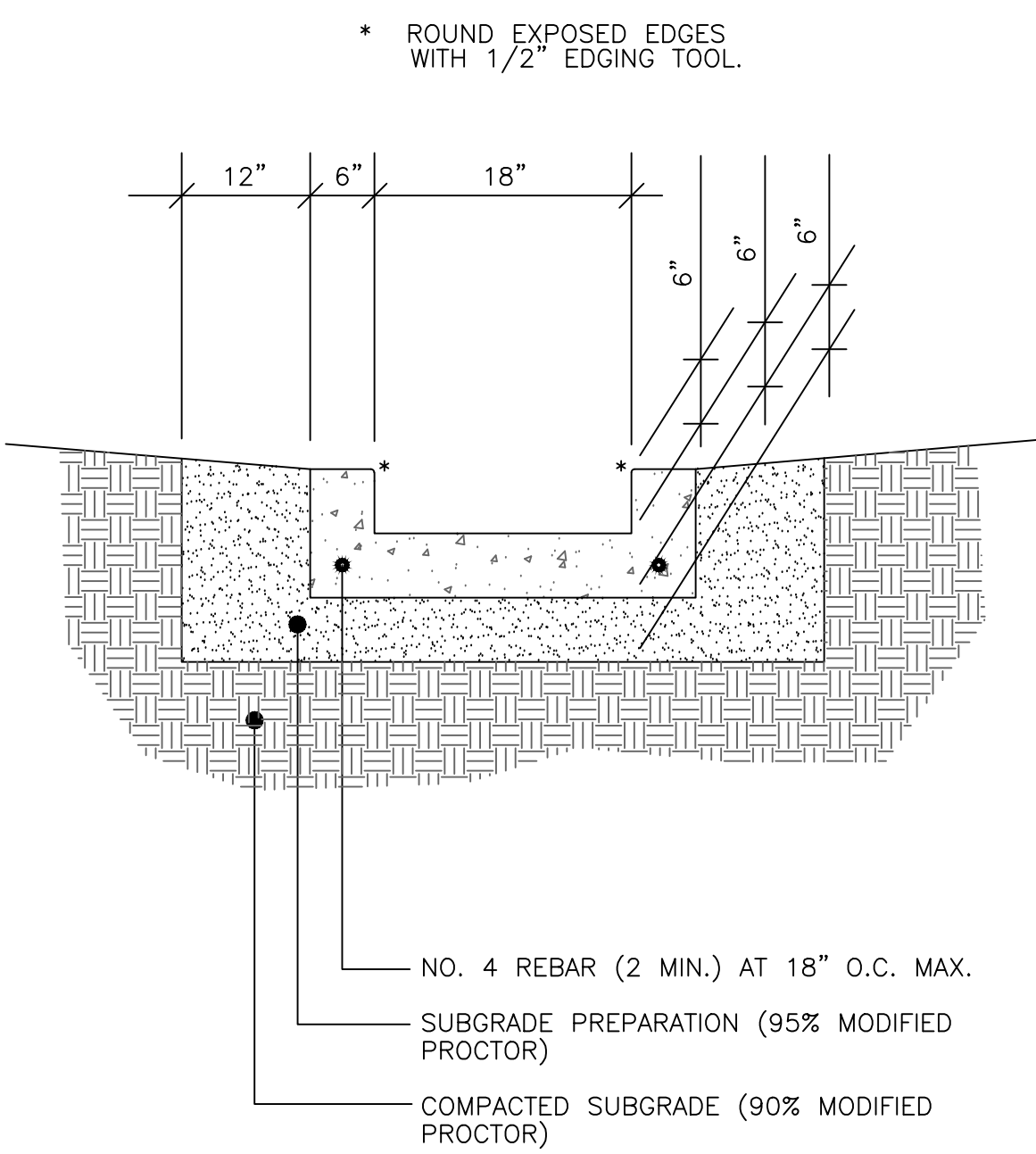
SCALE 1" = 30'



TYPICAL GRADING - WEST SIDE OF BUILDING



CONCRETE CHANNEL



DRAINAGE DATA

CONDITION	B	STORM	TREATMENT	TREATMENT	EXCESS	PEAK	RUNOFF	RUNOFF
A	RETURN	PERIOD	TYPE	AREA	PRECIPITATION	RUNOFF	VOLUME	RATE
I	N	year	(table 4)	sq. ft.	in.	cfs/acre	cu. ft.	cfs
EXISTING	S	10	A	0	0.19	0.58	0	0.00
	I	B	0	9750	0.36	1.19	293	0.27
	T	C	0	0	0.62	2	0	0.00
	E	D	0	41924	1.5	3.39	5241	3.26
		TOTAL		51674			5533	3.53
	S	100	A	0	0.66	1.87	0	0.00
	I	B	0	9750	0.92	2.6	748	0.58
	T	C	0	0	1.29	3.45	0	0.00
	E	D	0	41924	2.36	5.02	8245	4.83
		TOTAL		51674			8993	5.41
DEVELOPED	S	10	A	0	0.19	0.58	0	0.00
	I	B	0	7490	0.36	1.19	225	0.20
	T	C	0	0	0.62	2	0	0.00
	E	D	0	44184	1.5	3.39	5523	3.44
		TOTAL		51674			5748	3.64
	S	100	A	0	0.66	1.87	0	0.00
	I	B	0	7490	0.92	2.6	574	0.45
	T	C	0	0	1.29	3.45	0	0.00
	E	D	0	44184	2.36	5.02	8690	5.09
		TOTAL		51674			9264	5.54
A	S	100	A	0	0.66	1.87	0	0.00
	I	B	0	140	0.92	2.6	11	0.01
	T	C	0	0	1.29	3.45	0	0.00
	E	D	0	8190	2.36	5.02	1611	0.94
		TOTAL		8330			1621	0.96
B	S	100	A	0	0.66	1.87	0	0.00
	I	B	0	438	0.92	2.6	34	0.03
	T	C	0	0	1.29	3.45	0	0.00
	E	D	0	3928	2.36	5.02	773	0.45
		TOTAL		4366			806	0.48
C	S	100	A	0	0.66	1.87	0	0.00
	I	B	0	572	0.92	2.6	44	0.03
	T	C	0	0	1.29	3.45	0	0.00
	E	D	0	4700	2.36	5.02	924	0.54
		TOTAL		5272			968	0.58
D	S	100	A	0	0.66	1.87	0	0.00
	I	B	0	2630	0.92	2.6	202	0.16
	T	C	0	0	1.29	3.45	0	0.00
	E	D	0	9590	2.36	5.02	1886	1.26
		TOTAL		12220			2088	1.26
E	S	100	A	0	0.66	1.87	0	0.00
	I	B	0	3710	0.92	2.6	284	0.22
	T	C	0	0	1.29	3.45	0	0.00
	E	D	0	17776	2.36	5.02	3496	2.27
		TOTAL					3780	2.27

WATER HARVESTING VOLUME PER BASIN
VOLUME = IMPERVIOUS AREA X (0.44-0.10)/12
BASIN IMP. AREA VOL. REDD

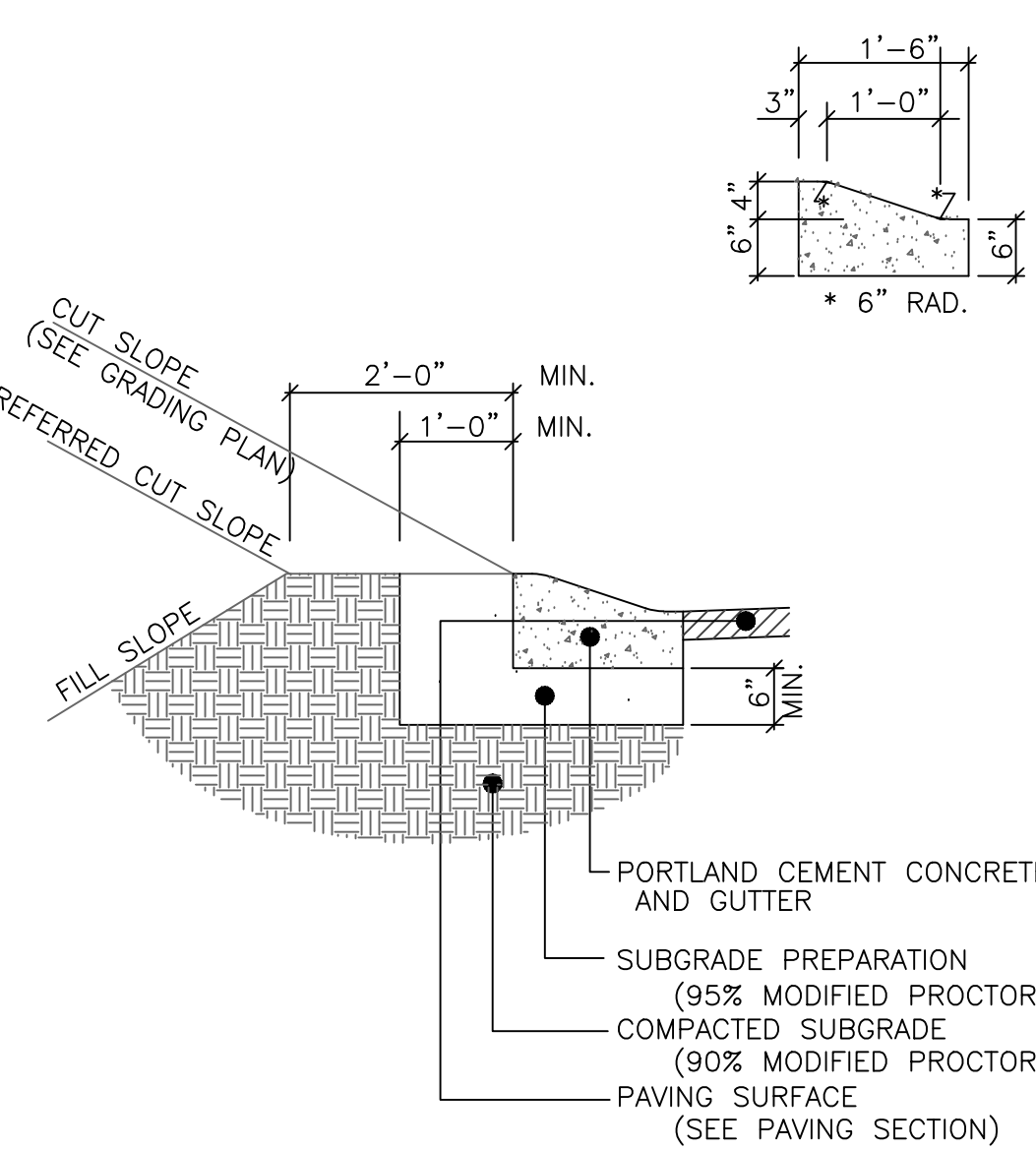
A	8190	0	MOST OF BASIN 'A' IS AN EXISTING PAVED AREA AND ONLY SHOWN FOR TPO CLARITY. THE BALANCE IS A TRANSITION FROM THE EXISTING PAVEMENT TO THE NEW BUILDING.
B	3928	111	
C	4700	133	
D	9590	272	
E	17776	504	

POND OUTLETS (CONCRETE CHANNELS AND/OR SIDEWALK CULVERTS)
ASSUME FACILITY TO BEHAVE AS A BROAD CRESTED WEIR, FLOW FROM 100 YEAR STORM
FLOW RATE Q = CUL^{3/2}, where Q from table above, where C=2.6, H=0.4

BASIN	FLOW RATE CFS	WEIR LENGTH CALC. L (ft)	WEIR LENGTH USE L (ft)
A	0.48	0.73	9
B	0.58	0.88	11
C	0.58	0.88	11
D	1.26	1.91	23
E	2.27	3.45	42 (DOUBLE BARREL 21")

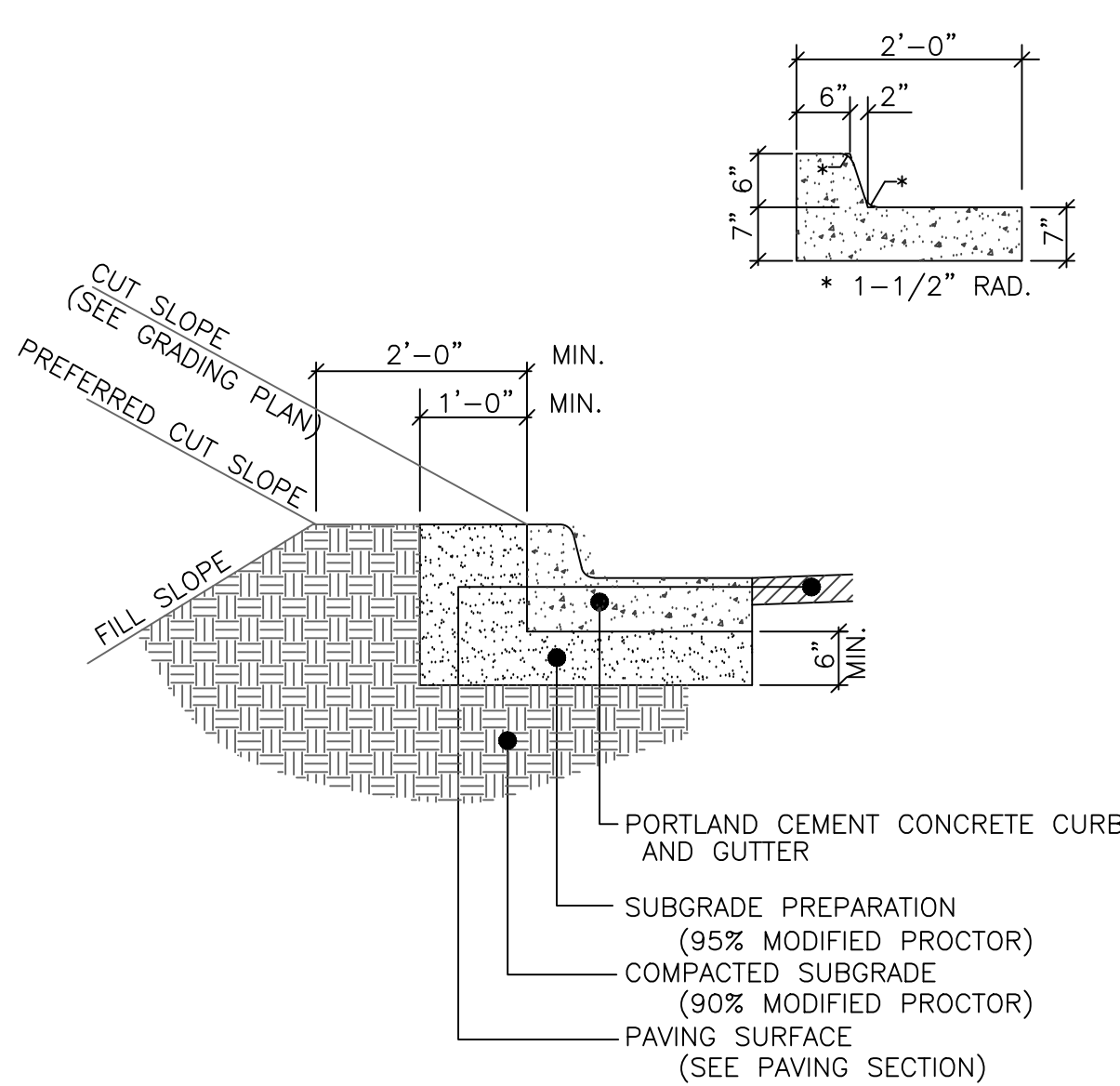
NOTES:
1. ASPHALT MIX DESIGN TO USE CITY OF ALBUQUERQUE AGGREGATE CLASS C AND HAVE A MARSHALL STABILITY GREATER THAN 1800 LBS.
2. ASPHALT CONCRETE COURSES GREATER THAN 3" IN THICKNESS SHALL BE PLACED WITH MULTIPLE LIFTS. MINIMUM LIFT THICKNESS 1 1/2".

MOUNTABLE CURB



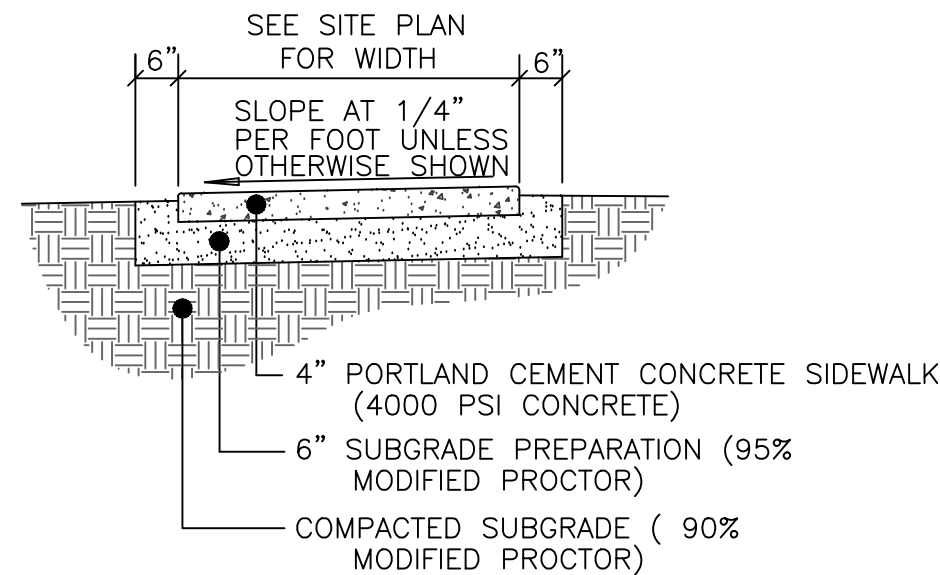
NOTE:
PROVIDE CONTRACTION JOINTS AT 5 FEET ON CENTER AND EXPANSION JOINTS AT 50 FEET ON CENTER UNLESS OTHERWISE STATED ON SITE PLANS OR IF CURB ABUTS SIDEWALK; WHERE CURB JOINTS SHALL MATCH SIDEWALK JOINTS.

2' x 6" HIGH CONCRETE CURB

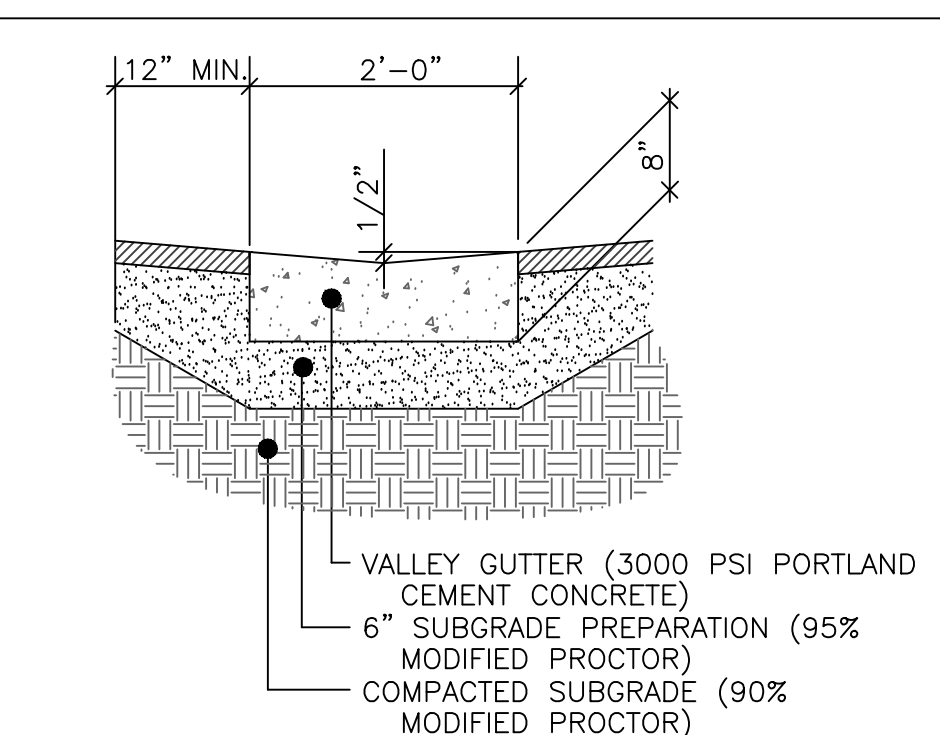


NOTE:
PROVIDE CONTRACTION JOINTS AT 5 FEET ON CENTER AND EXPANSION JOINTS AT 50 FEET ON CENTER UNLESS OTHERWISE STATED ON SITE PLANS OR IF CURB ABUTS SIDEWALK; WHERE CURB JOINTS SHALL MATCH SIDEWALK JOINTS.

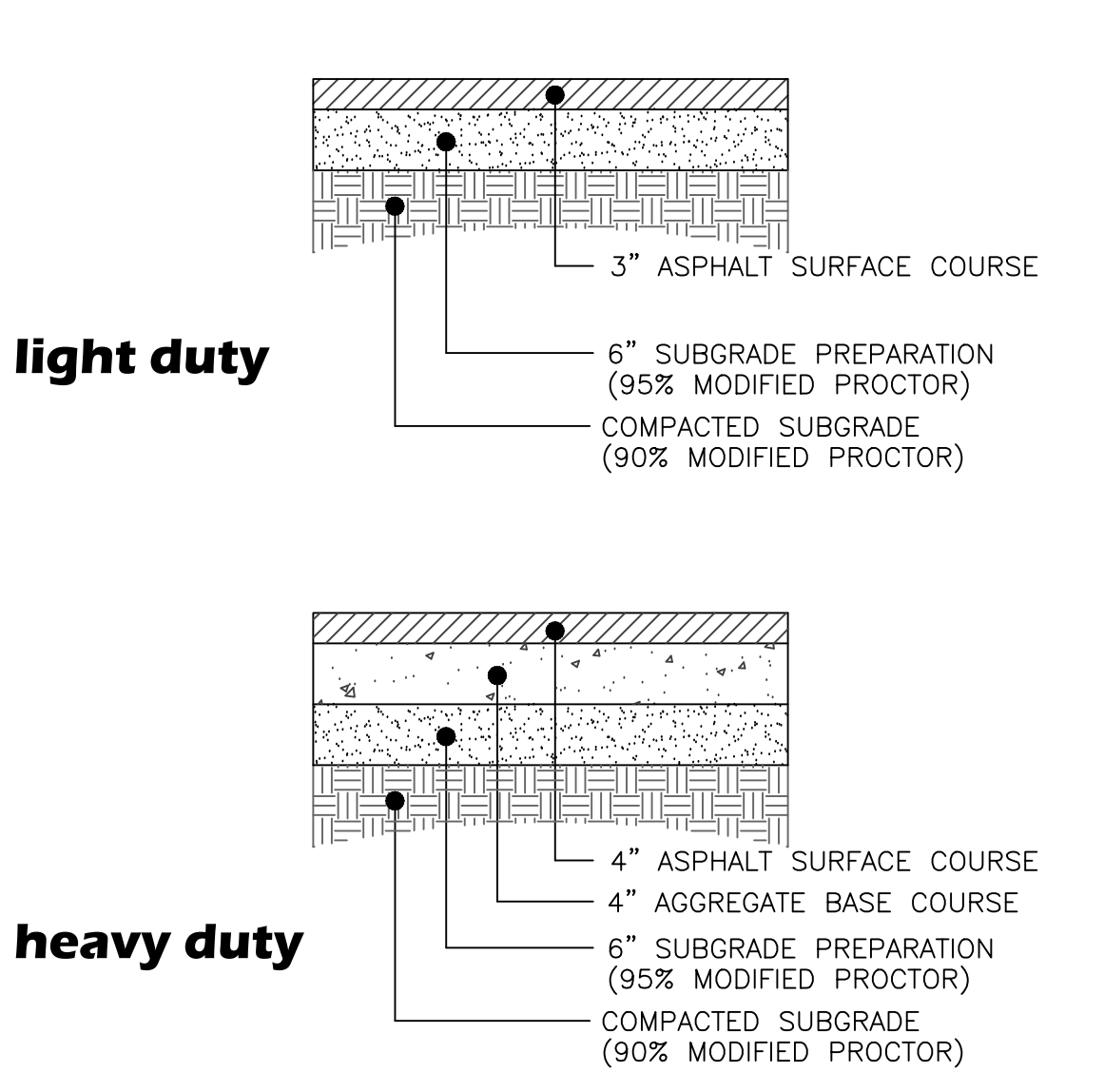
SIDEWALK



VALLEY GUTTER



ASPHALT PAVEMENT

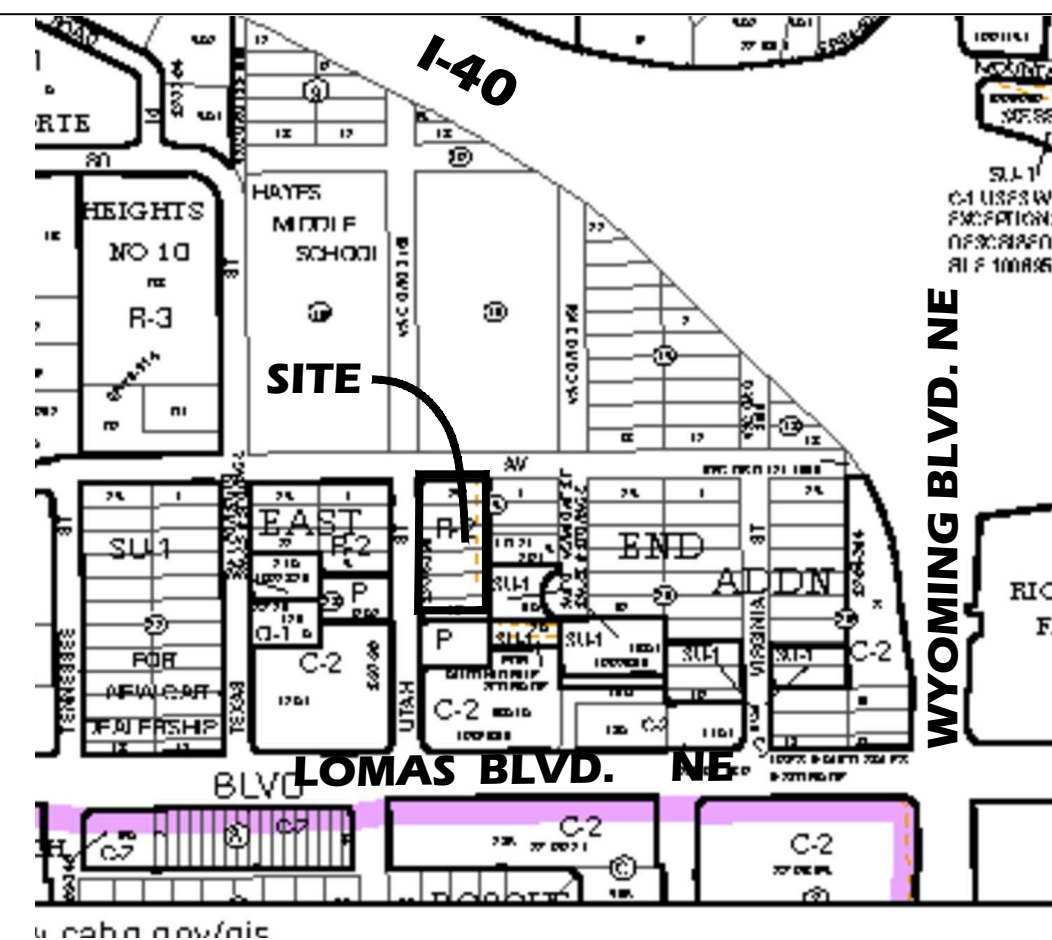


NOTES:
1. ASPHALT MIX DESIGN TO USE CITY OF ALBUQUERQUE AGGREGATE CLASS C AND HAVE A MARSHALL STABILITY GREATER THAN 1800 LBS.
2. ASPHALT CONCRETE COURSES GREATER THAN 3" IN THICKNESS SHALL BE PLACED WITH MULTIPLE LIFTS. MINIMUM LIFT THICKNESS 1 1/2".

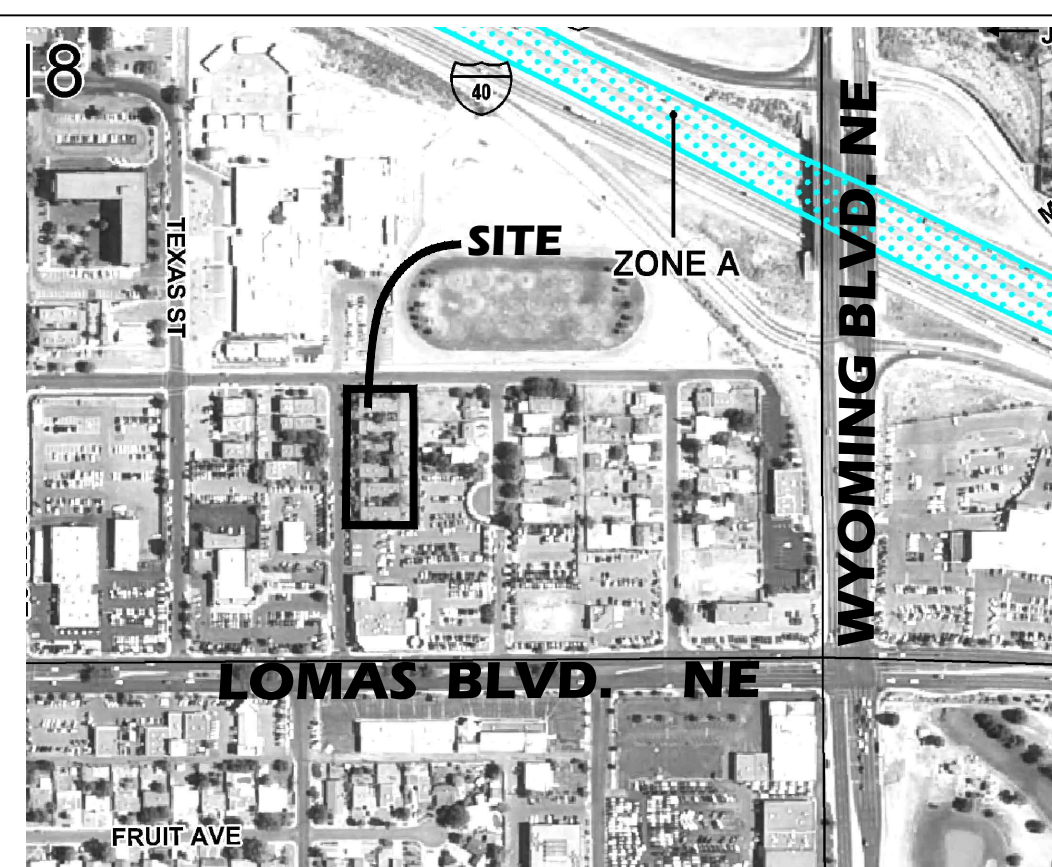
KEYED NOTES

- EXISTING PAVED PUBLIC STREET.
- EXISTING CONCRETE PUBLIC SIDEWALK.
- EXISTING CONCRETE DRIVE PAD. REMOVE DRIVE PAD AND CONSTRUCT STD C&G 4" WIDE CONC SIDEWALK PER COA STD. DETAILS 2415B & 2430 RESPECTIVELY.
- REMOVE CONCRETE CURB & GUTTER AND CONCRETE SIDEWALK. CONSTRUCT 30" CONCRETE DRIVE PAD PER COA STD. DET. 2425, SECTION D-D. CONSTRUCT PAD AFTER OTHER CONSTRUCTION IS COMPLETE.
- PROPOSED BUILDING. SEE ARCHITECTURAL FOR DETAILS.
- PROPOSED CONCRETE SIDEWALK. SEE DETAIL THIS SHEET.
- PROPOSED 2" WIDE, 6" HIGH CONCRETE CURB. SEE DETAIL THIS SHEET. SEE ARCHITECTURAL SITE PLAN FOR GEOMETRY.
- EXISTING ASPHALT PAVEMENT TO REMAIN.
- PROPOSED HEAVY DUTY ASPHALT. SEE DETAIL THIS SHEET.
- PROPOSED LIGHT DUTY ASPHALT. SEE DETAIL THIS SHEET.
- PROPOSED CONCRETE VALLEY GUTTER. SEE DETAIL THIS SHEET.
- PROPOSED WATER HARVESTING POND. MINIMUM STORAGE VOLUME-111 C.F. MIN. STORAGE DEPTH 7" INCHES BELOW CULVERT INLET.
- PROPOSED WATER HARVESTING POND. MINIMUM STORAGE VOLUME-135 C.F. MIN. STORAGE DEPTH 7" INCHES BELOW CULVERT INLET.
- PROPOSED WATER HARVESTING POND. MINIMUM STORAGE VOLUME-272 C.F. MIN. STORAGE DEPTH 10 INCHES BELOW CULVERT INLET.
- PROPOSED WATER HARVESTING POND. MINIMUM STORAGE VOLUME-504 C.F. MIN. STORAGE DEPTH 12 INCHES BELOW CULVERT INLET.
- PROPOSED 2" WIDE CONCRETE CHANNEL. SEE DETAIL THIS SHEET.
- 16a. 6" UNMETERED WATER FIRE SERVICE.
- 16b. 1-1/2" WATER METER w/ 2" WATER LINE.
17. 4" SANITARY SEWER SERVICE.
18. PROPOSED 9" WIDE SIDEWALK CULVERT. INLET INVERT 51.31 OUTLET INVERT 51.11.
19. PROPOSED 11" WIDE SIDEWALK CULVERT. INLET INVERT 50.40, OUTLET INVERT 50.20.
20. PROPOSED 24" WIDE CONCRETE CHANNEL PER DETAIL THIS SHEET AND SIDEWALK CULVERT PER COA STD. DWG 2236. INLET INVERT 48.34, OUTLET INVERT 48.30.
21. PROPOSED DOUBLE 42" WIDE CONCRETE CHANNEL PER DETAIL THIS SHEET AND DOUBLE BARREL 21" SIDEWALK CULVERT PER COA. STD. DWG 2236. INLET INVERT 51.16 OUTLET INVERT 51.50.
22. PROPOSED 18" WIDE SIDEWALK CULVERT PER COA STD. DWG. 2236. INLET INVERT 51.60, OUTLET INVERT 51.50.
23. REMOVE EXISTING CONCRETE HEADER CURB IMMEDIATELY PRIOR TO INSTALLING NEW PAVEMENT.
24. SOUTH LIMIT OF DRAINAGE STUDY.
25. REMOVE CONCRETE CURB & GUTTER AND CONCRETE SIDEWALK. CONSTRUCT 30" CONCRETE DRIVE PAD PER COA STD. DET. 2425, SECTION D-D. CONSTRUCT PAD AFTER OTHER CONSTRUCTION IS COMPLETE.

VICINITY MAP NO. J-19



FEMA FIRM PANEL NO. 358H



LEGAL DESCRIPTION

LOTS 19 THRU 24, BLOCK 24, EAST END ADDITION

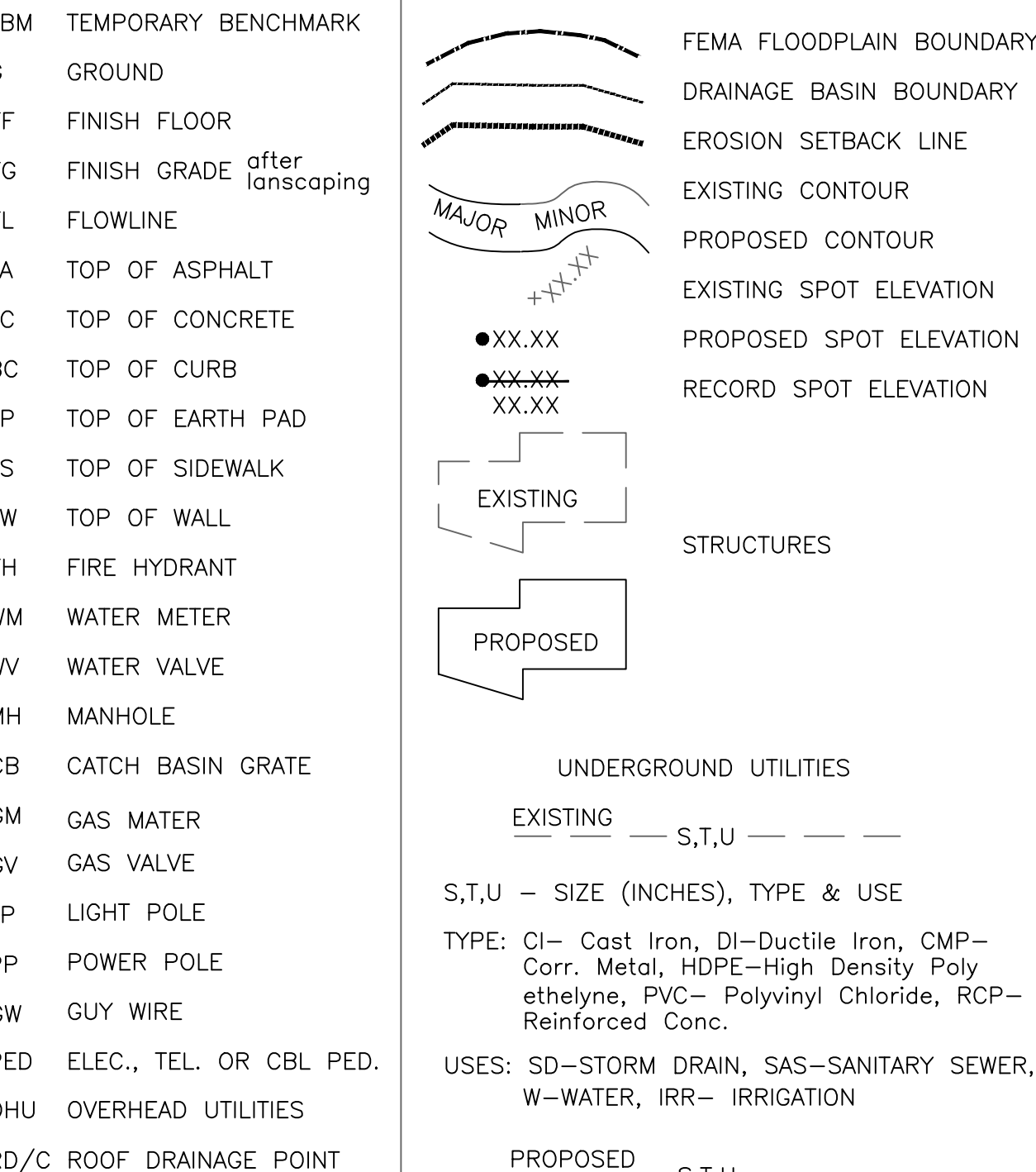
PERMANENT BENCHMARK

ACS STATION 17-K19, ELEVATION 5544.389 (NAVD 1988)

DRAINAGE NOTES

- THE SITE WAS PREVIOUSLY DEVELOPED AS AN APARTMENT COMPLEX. THAT CONSTRUCTION HAS BEEN RAZED AND THE SITE IS BARE. THE PROPOSED DEVELOPMENT WILL BE LANDSCAPED ON THE PERIMETER AND THE BALANCE OF THE SITE WILL BE DEVELOPED WITH IMPERVIOUS SURFACES.
- RUNOFF IS ROUTED THROUGH RETENTION PONDS. RUNOFF VOLUMES FROM RAINFALL IN EXCESS OF 0.44 INCHES ON IMPERVIOUS SURFACES IS ALLOWED TO OVERFLOW FROM THE PONDS TO ABUTTING STREETS VIA CONCRETE CHANNELS AND SIDEWALK CULVERTS.
- THE SITE IS LOCATED IN RAINFALL ZONE 3. THERE WILL BE A VERY SLIGHT INCREASE 0.13 CFS (FROM THE EXISTING DEVELOPMENT CONDITIONS) IN RUNOFF VOLUMES AND FLOW RATES. SEE TABLE (AT LEFT) FOR EXISTING AND DEVELOPED FLOW RATES AND RUNOFF VOLUMES.
- THE SITE IS LOCATED IN AN AREA DESIGNATED "ZONE X" PER FEMA FIRM MAP NO. 358H, DATED AUGUST, 2012.
- EXISTING TOPOGRAPHY FOR THE SITE WAS OBTAINED BY HARRIS SURVEYING, INC. IN APRIL, 2017.

LEGEND

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PROJECT

GARCIA
AUTOMOTIVE
GROUPGARCIA HONDA -
GENERATION 3 - NEW
SERVICE BUILDING

ADDRESS

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ALBUQUERQUE, NM
87110

PERMIT SET

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