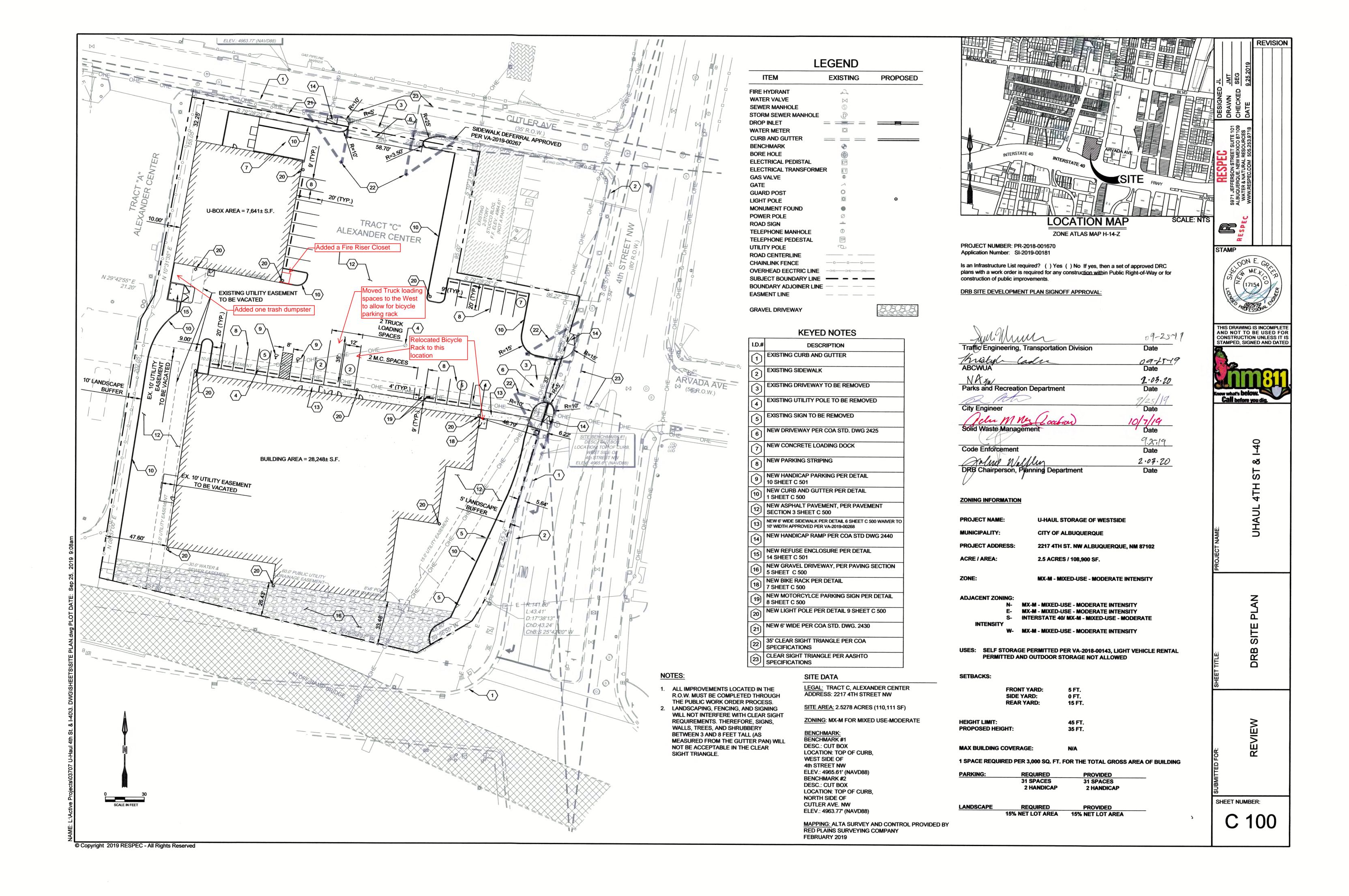
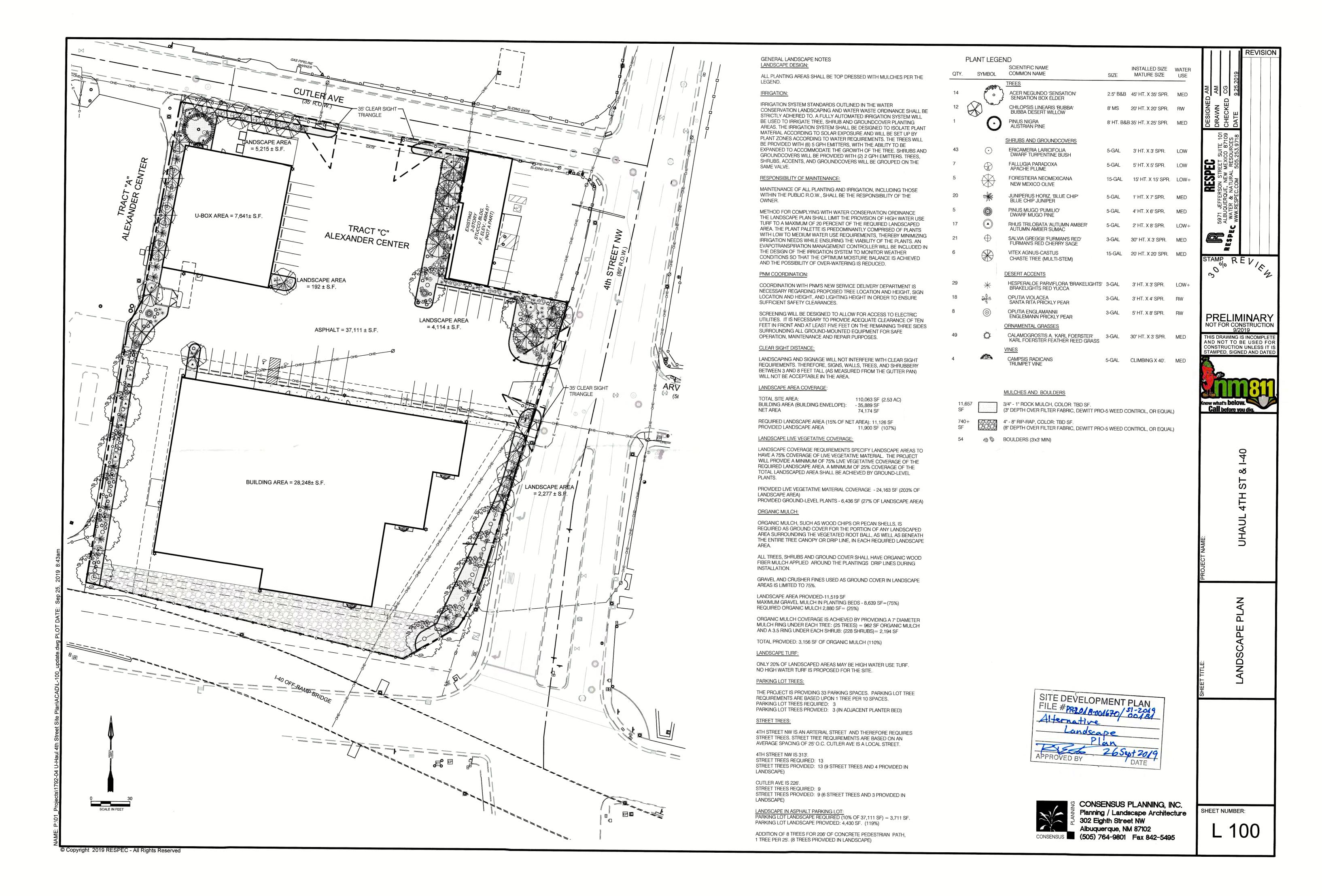
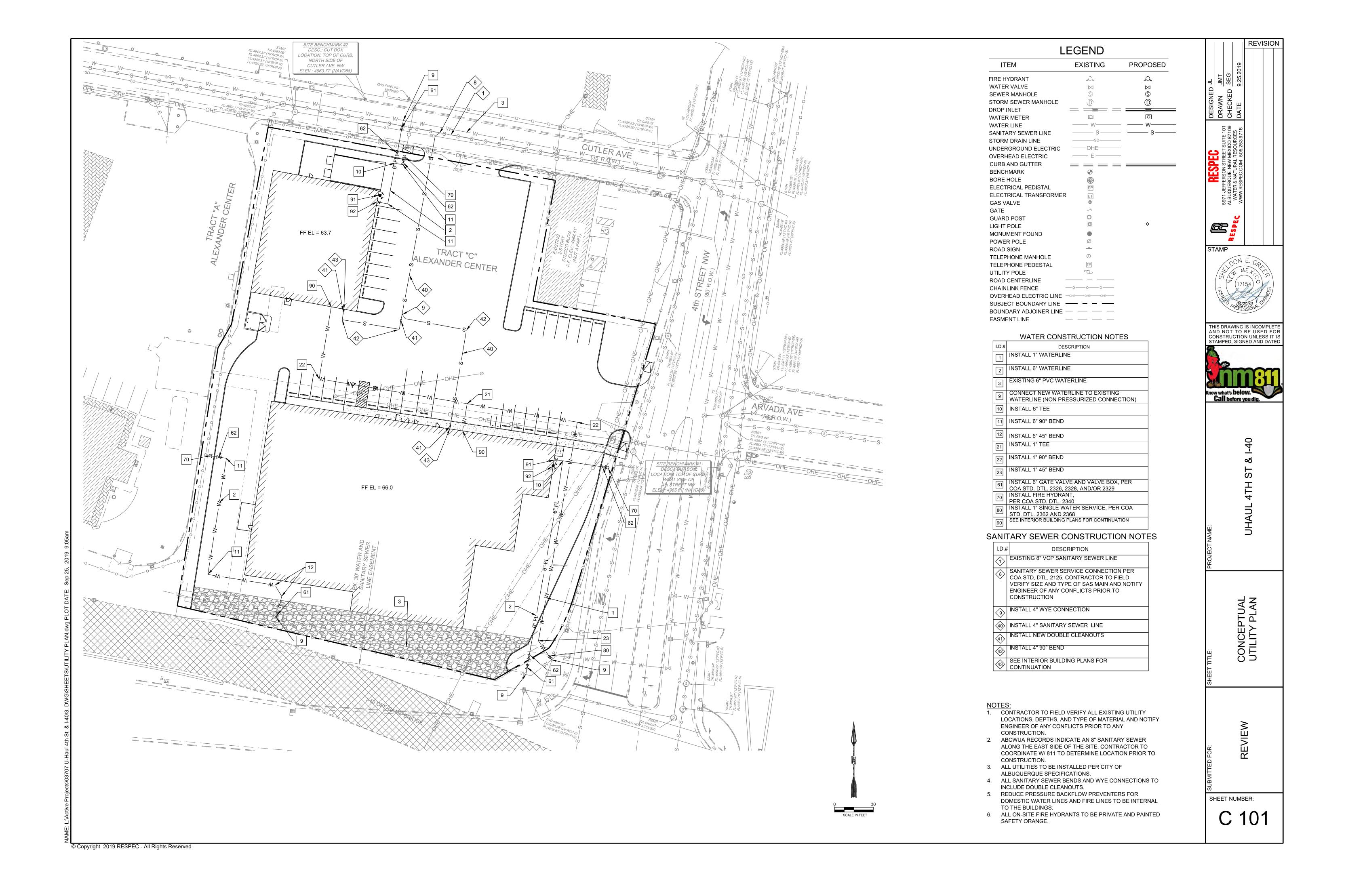
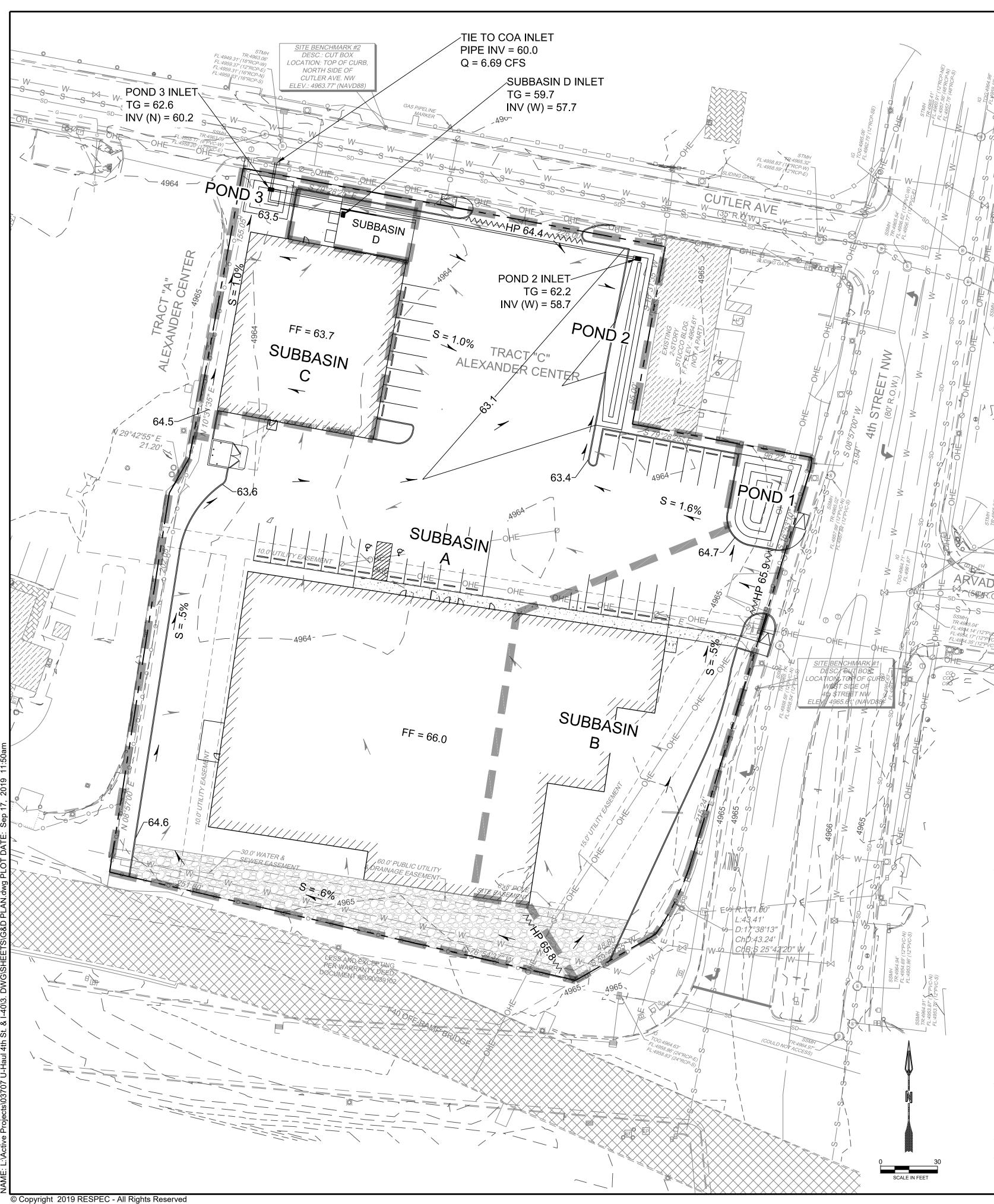
ADMINISTRATI	VE AMENDMENT
FILE #P	ROJECT #
APPROVED BY	DATE









Tract C, Alexander Center contains approximately 2.5 acres. The site is located on the southwest corner of Cutler Ave. and 4th St. The site is to be developed into a self-storage facility containing two buildings and a parking lot.

The hydrology analysis was performed for the site in accordance with the Albuquerque Development Process Manual (DPM). AHYMO-S4 (April 2018) was used to develop peak flow rates for the 100-year 24-hour design storm in accordance with Section 22.2 of the DPM. Hydraulic calculations were performed using Section 22.3 of the DPM.

Existing Conditions

The site does not receive any offsite runoff from developed areas and is currently undeveloped with mild vegetation. The site appears to have been used for parking previously containing gravel surfacing creating mostly type "C" land treatment type. In general, the site surface drains from southeast to northwest at minimal slopes. The existing conditions of the site generate a peak runoff rate of 7.49 CFS.

Proposed Conditions

The proposed development will consist of two buildings and a paved parking lot with a basecourse access drive around the southern building. The site is divided into four proposed subbasins. The subbasin characteristics can be found in the tables below.

Subbasin A consists of approximately 60% of the southern building's roof drainage and most of the middle portion of the site. Subbasin B consists of the eastern portion of the site and approximately 40% of the southern building's roof drainage. Subbasin C consists of the northern building's roof drainage as well as the landscaping area at the northwest corner of the site. Subbasin D contains the ramp area for the loading dock.

Subbasin B drainage is conveyed through surface sheet flow and swales to Pond 1. The remaining stormwater is conveyed through a swale to Pond 2. Subbasin A surface drains directly to Pond 2. An inlet at the north end of the pond captures the stormwater and conveys it to Pond 3 via an 18" storm drain. Subbasin C surface drains to Pond 3. The inlet in pond 3 conveys the stormwater to the City's inlet located in the right-of-way via a proposed 18" RCP. Subbasin D drains directly to an inlet installed at the low point of the dock ramp, where an 18" pipe conveys stormwater to the Pond 3 inlet. In addition, a french drain tied to the inlet allows infiltration for water quality volume. The on-site detention system made up of the three ponds reduces the proposed flow rates to a peak discharge rate of 6.69 CFS to the City's Inlet.

The required water quality volume of 2616 cubic feet was calculated using a first flush value of 0.34". This volume will be exceeded by the on-site infiltration and ponding systems, which provides 3300 cubic feet of retention.

HYDROLOGY CALCULATIONS

PRINT HYD

PRINT HYD

* 100 YEAR RAINFAI	LL TABLE	<u>LEGEND</u>	
RAINFALL	TYPE=13 RAIN QUARTER=0 IN		
	RAIN ONE=2.01 IN RAIN SIX=2.35 IN		PROPERTY LINE
*****	RAIN DAY=2.75 IN DT=0.03333 HR	D	EX SD MH
*S EXISTING CONDITI	IONS		EX INLET
*S COMPUTE HYD BAS	SIN EX	_	EX FLOW ARROW
COMPUTE NM HYD	ID=1 HYDNO=101 DA=0.004SQ MI PER A=0 PER B=30 PER C=70 PER D=0	_	PROP FLOW ARROW
PRINT HYD	TP=-0.13 RAIN=-1 ID=1 CODE=10	/////////////////////////////////////	PROP HIGH POINT
PRINT HID	ID-I CODE-IO		PROP SUBBASIN BDR
	**************************************		: PROP SD
*S PROPOSED CONDITI	LONS	_	
*S COMPUTE HYD BAS	SIN A	•	PROP INLET
COMPUTE NM HYD	ID=2 HYDNO=102 DA=0.0026SQ MI		
	PER A=0 PER B=4.1 PER C=10.8 PER D=85.1		

ID=3 CODE=10 *S COMPUTE HYD BASIN C COMPUTE NM HYD ID=4 HYDNO=104 DA=0.0004SQ MI PER A=0 PER B=4.1 PER C=10.8 PER D=85.1

ID=3 HYDNO=103 DA=0.0009SQ MI

PER A=0 PER B=4.1 PER C=10.8 PER D=85.1

TP=-0.13 RAIN=-1 ID=2 CODE=10

TP=-0.13 RAIN=-1

TP=-0.13 RAIN=-1 PRINT HYD ID=4 CODE=10

*S COMPUTE HYD BASIN D

*S COMPUTE HYD BASIN B

COMPUTE NM HYD ID=5 HYDNO=105 DA=0.0001SQ MI PER A=0 PER B=0 PER C=0 PER D=100 TP=-0.13 RAIN=-1

ID=5 CODE=10

,	WATER	QUALITY	PONDI

				Required	Provided
Area (ac)	% lmp.	Imp. Area	WQ Depth	WQ Vol	WQ Vol
		(ac)	(in)	(cu ft)	(cu ft)
2.491	85.1%	2.120	0.34	2616	3300

AHYMO PROGRAM SUMMARY TABLE (AHYMO-S4) - Ver. S4.02a, Rel: 02a RUN DATE (MON/DAY/YR) = 09/03/2019INPUT FILE = ibrary\ENG Tools\ahymo-s4-r2\DISK1\program files\AHYMO-S4\03707 Input.HMI USER NO. = AHYMO-S4TempUser05901704 TIME TO CFS PAGE = 1

COMMAND	HYDROGRAPH IDENTIFICATION	ID NO.	ID NO.	AREA (SQ MI)	DISCHARGE (CFS)	VOLUME (AC-FT)	RUNOFF (INCHES)	PEAK (HOURS)	PER ACRE	PAGE =		
RAINFALL TY	YPE=13]	RAIN24=	2.750	
S EXISTING	CONDITIONS											
S COMPUTE	HYD BASIN EX											
COMPUTE NM H		-	1	0.00400	7.49	0.215	1.00848	1.500	2.926	PER IMP=	0.00	
S PROPOSED												
	HYD BASIN A		_									
COMPUTE NM H		-	2	0.00260	7.47	0.318	2.29175	1.500	4.492	PER IMP=	85.10	
	HYD BASIN B		0	0 0000	060	0 110	0 00155	1 500	4 544 .		05 10	
COMPUTE NM H		-	3	0.00090	2.60	0.110	2.29175	1.500	4.511	PER IMP=	85.10	
	HYD BASIN C		4	0 00040	1 17	0 040	0 00175	1 500	4 554	DED TWD	05 10	
COMPUTE NM H		-	4	0.00040	1.17	0.049	2.29175	1.500	4.554	PER IMP=	85.10	
	HYD BASIN D		5	0.00010	0.31	0 013	2 51402	1 500	1 070	PER IMP=	100 00	
COMPUTE NM H	HYD 105.00 SIN B THROUGH POND	_ \ 1	5	0.00010	0.31	0.013	2.51483	1.500	4.8/8	PER IMP=	100.00	
ROUTE RESERV		3	6	0.00090	1.51	0.110	2.29141	1.633	2 617	AC-FT=	0.036	
	ED BASIN B AND BAS	_	O	0.00090	1.31	0.110	2.29141	1.033	2.01/	4C-F1-	0.030	
ADD ROOTE	201.00		7	0.00350	8.04	0.427	2.28783	1.533	3.590			
	7 THROUGH POND 2	0 0 2	,	0.00550	0.01	0.427	2.20705	1.000	3.330			
ROUTE RESERV		7	8	0.00350	5.69	0.427	2.28783	1.633	2.539	AC-FT=	0.049	
	SIN C THROUGH POND	•	Ü	0.0000	0.03	0.127	2.20,00	1.000	2.003	10 11	0.013	
ROUTE RESERV		4	9	0.00040	1.14	0.049	2.29121	1.500	4.455	AC-FT=	0.001	
S ADD ROUTE	ED BASIN C AND BAS	SIN D										
ADD HYD	202.00	9& 5	10	0.00050	1.45	0.062	2.33551	1.500	4.539			
S ADD ID 10	AND ID 8											
ADD HYD	203.00	10& 8	11	0.00400	6.69	0.489	2.29377	1.567	2.614			
нртитт												

REVISION

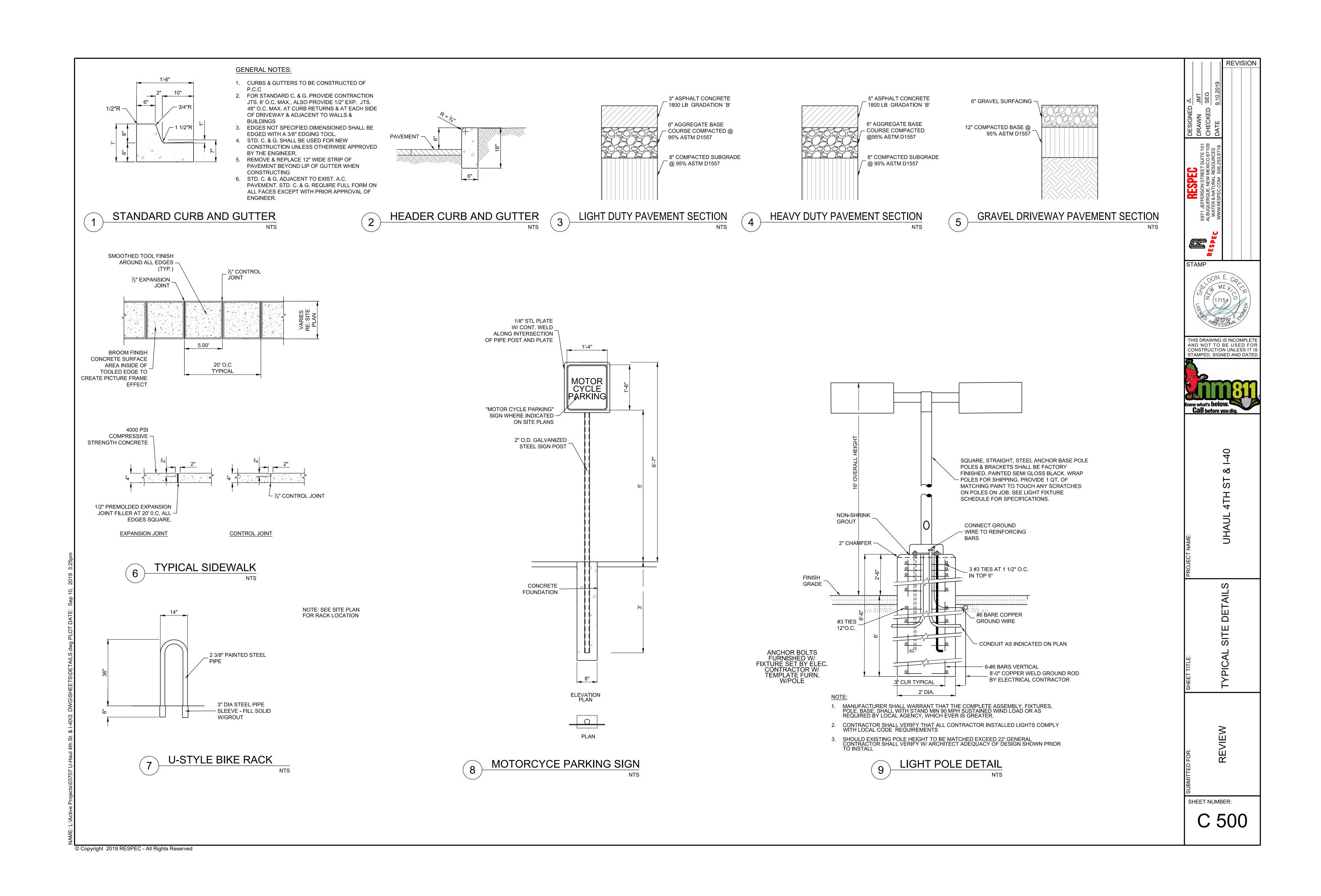


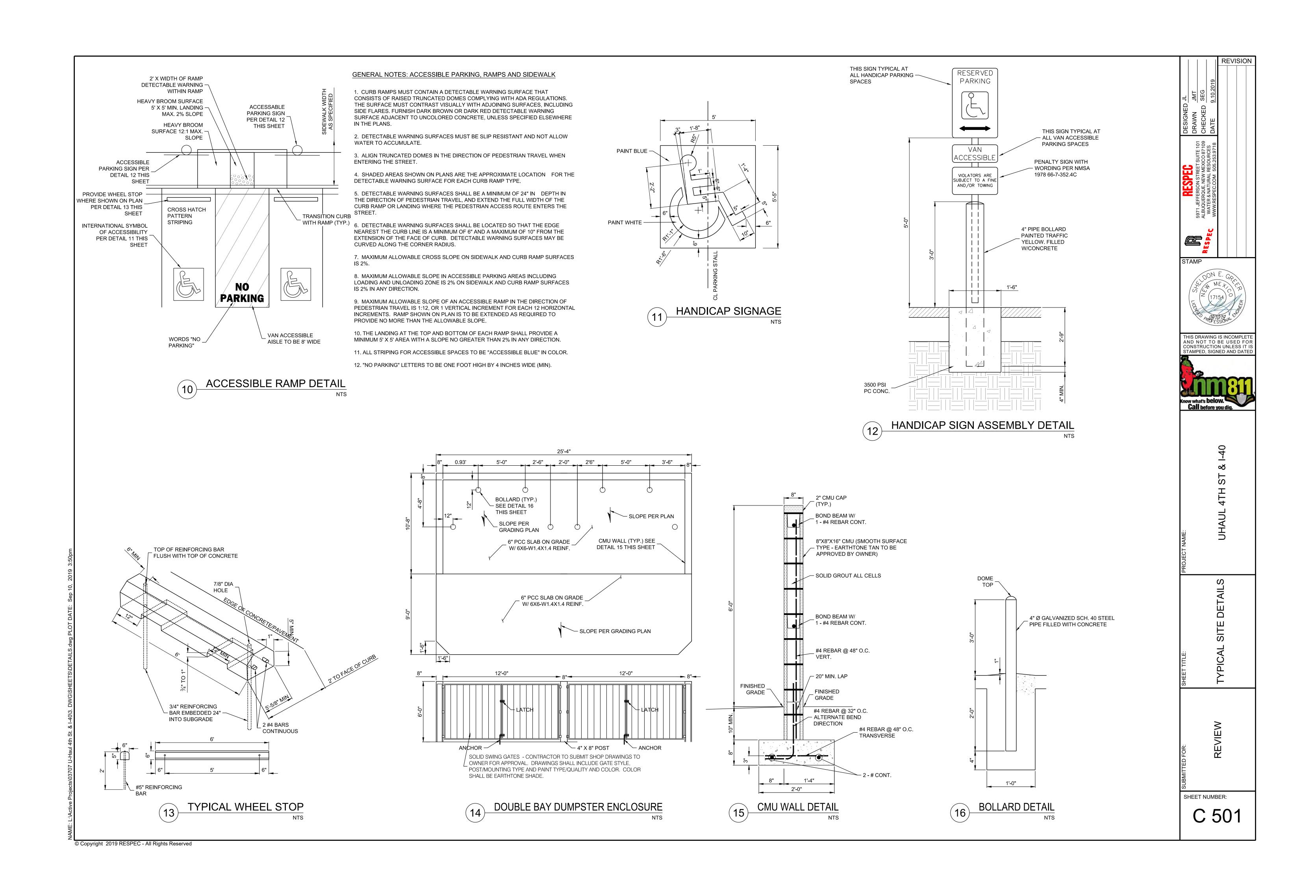


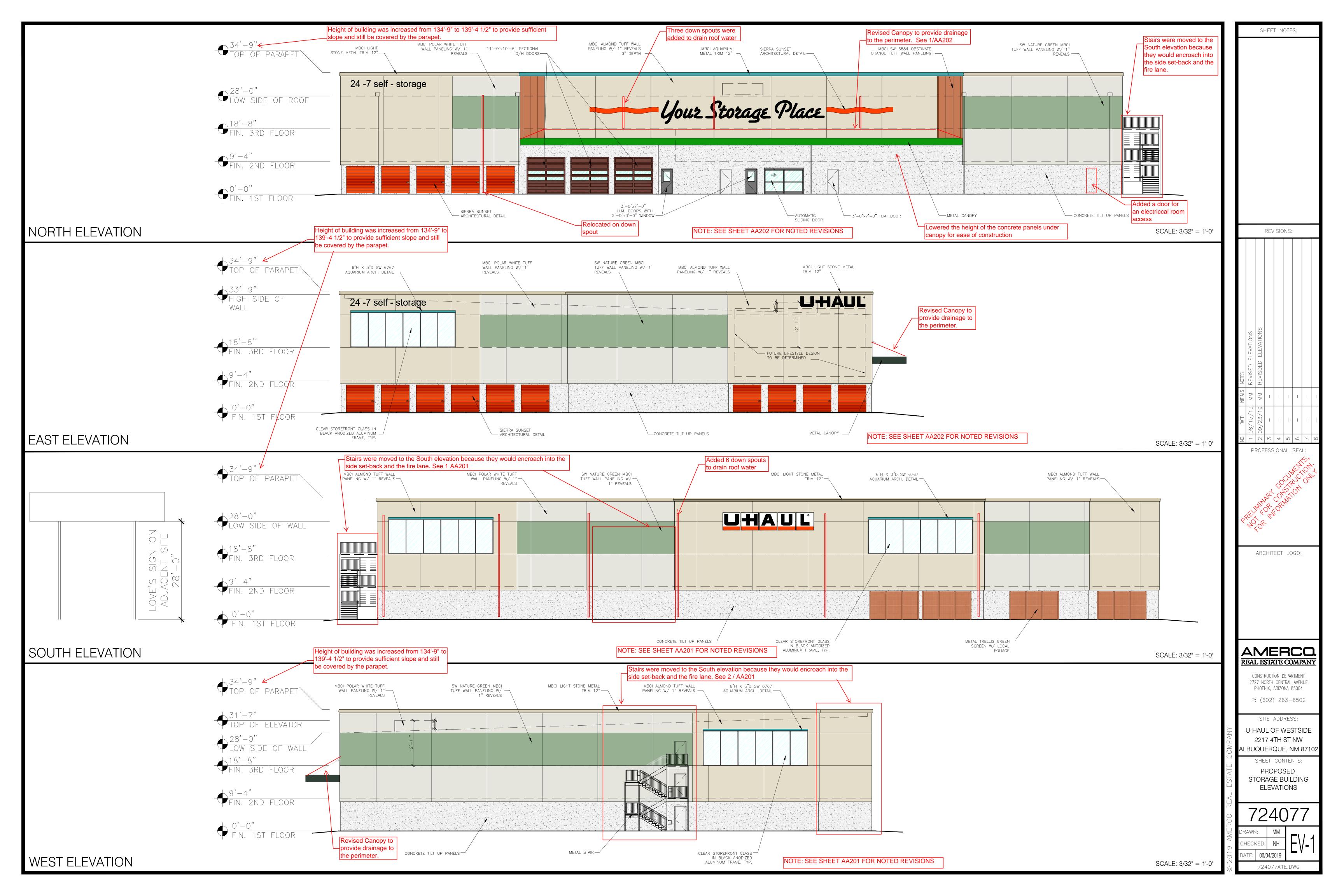


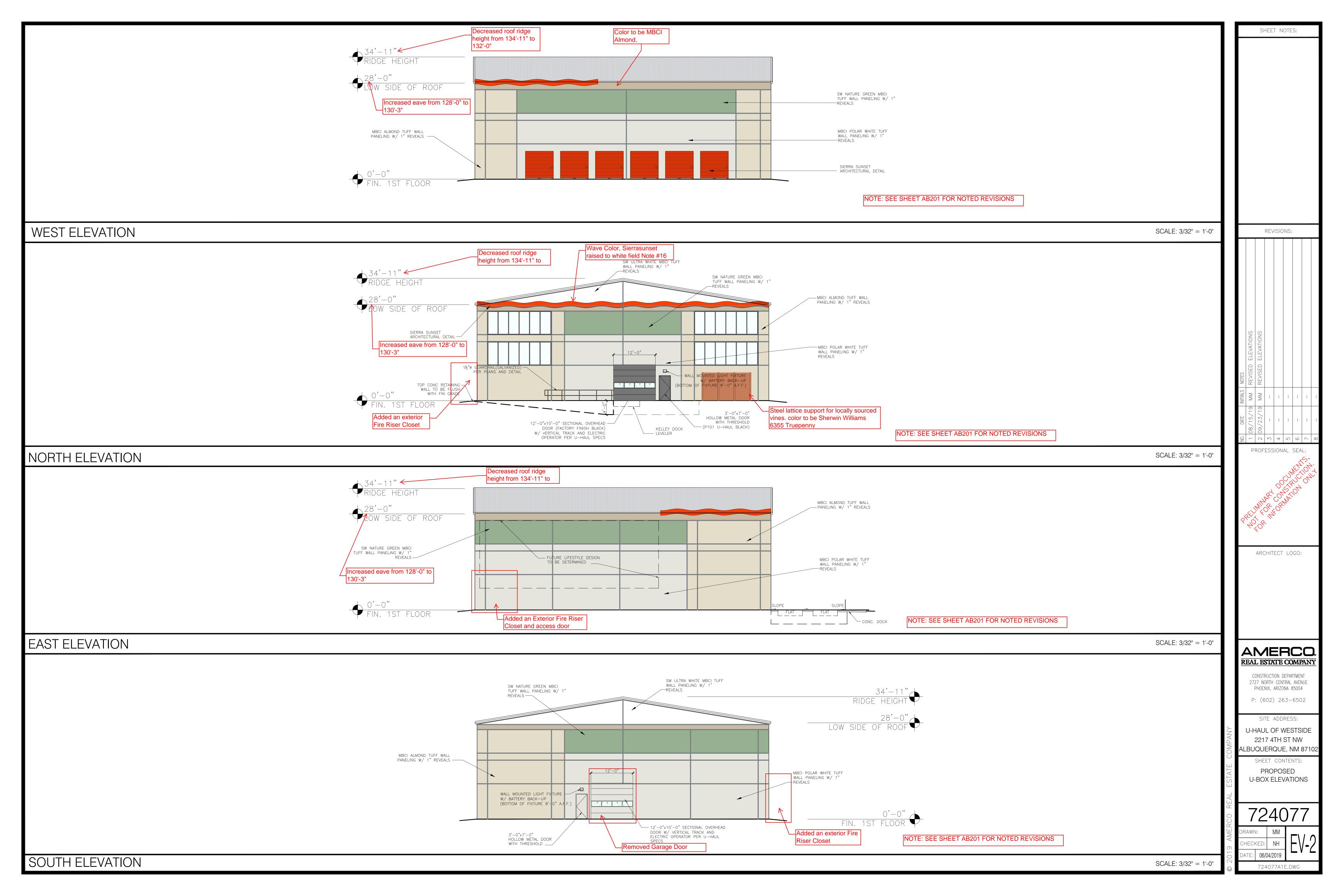


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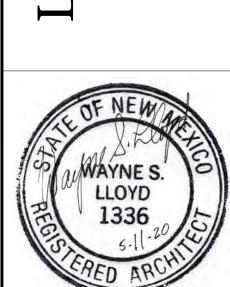






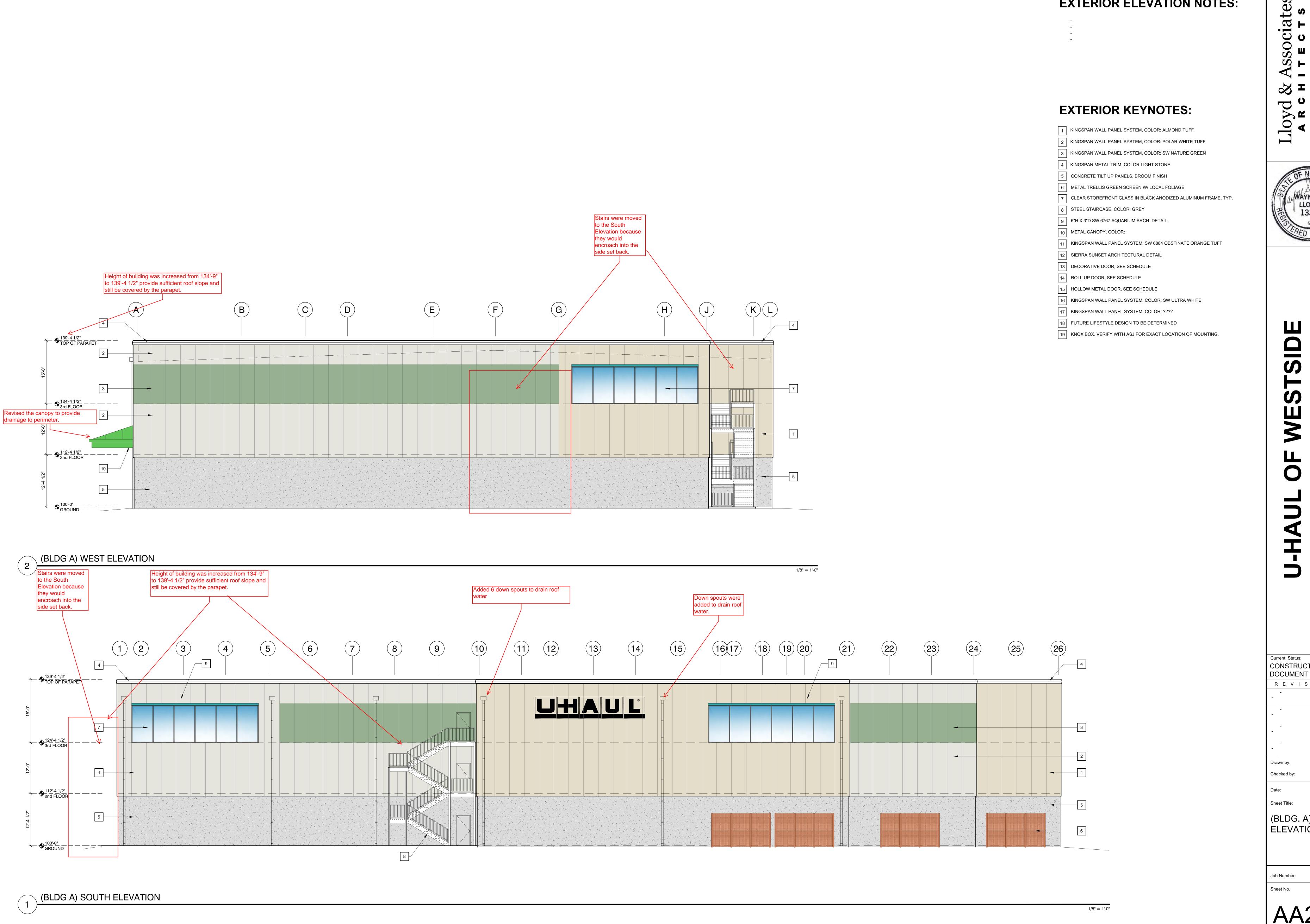


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SITE PLAN									



EXTERIOR ELEVATION NOTES:

Current Status: CONSTRUCTION DOCUMENT

REVISIONS

Checked by:

(BLDG. A) ELEVATIONS

- 1 KINGSPAN WALL PANEL SYSTEM 3" THICK) COLOR: ALMOND TUFF
- 3 KINGSPAN WALL PANEL SYSTEM 3" THICK) COLOR: SW NATURE GREEN
- 4 KINGSPAN METAL TRIM, COLOR LIGHT STONE
- 5 CONCRETE TILT UP PANELS, BROOM FINISH
- 6 METAL TRELLIS GREEN SCREEN W/ LOCAL FOLIAGE

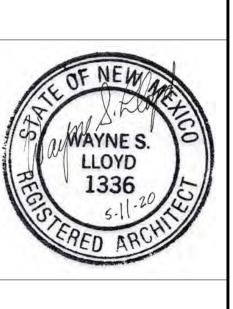
- 9 6"H X 3"D SW 6767 AQUARIUM ARCH. DETAIL

EXTERIOR ELEVATION NOTES:

EXTERIOR KEYNOTES:

- 2 KINGSPAN WALL PANEL SYSTEM 3" THICK COLOR: POLAR WHITE TUFF

- 7 CLEAR STOREFRONT GLASS IN BLACK ANODIZED ALUMINUM FRAME, TYP.
- 8 STEEL STAIRCASE, COLOR: GREY
- 10 METAL CANOPY, COLOR:
- 11 KINGSPAN WALL PANEL SYSTEM, SW 6884 OBSTINATE ORANGE TUFF
- 12 SIERRA SUNSET ARCHITECTURAL DETAIL
- 13 DECORATIVE DOOR, SEE SCHEDULE
- 14 ROLL UP DOOR, SEE SCHEDULE
- 15 HOLLOW METAL DOOR, SEE SCHEDULE 16 KINGSPAN WALL PANEL SYSTEM, COLOR: SW ULTRA WHITE
- 17 KINGSPAN WALL PANEL SYSTEM, COLOR: TBD
- 18 FUTURE LIFESTYLE DESIGN TO BE DETERMINED
- 19 KNOX BOX. VERIFY WITH ASJ FOR EXACT LOCATION OF MOUNTING.



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Current Status: CONSTRUCTION DOCUMENT

REVISIONS REVISED

Drawn by:

05-11-2020

Checked by:

(BLDG. B) ELEVATIONS

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EXTERIOR ELEVATION NOTES: ciate. **EXTERIOR KEYNOTES:** 1 KINGSPAN WALL PANEL SYSTEM, COLOR: ALMOND TUFF 2 KINGSPAN WALL PANEL SYSTEM, COLOR: POLAR WHITE TUFF 3 KINGSPAN WALL PANEL SYSTEM, COLOR: SW NATURE GREEN 4 KINGSPAN METAL TRIM, COLOR LIGHT STONE 5 CONCRETE TILT UP PANELS, BROOM FINISH 6 METAL TRELLIS GREEN SCREEN W/ LOCAL FOLIAGE 7 CLEAR STOREFRONT GLASS IN BLACK ANODIZED ALUMINUM FRAME, TYP. 8 STEEL STAIRCASE, COLOR: GREY 9 6"H X 3"D SW 6767 AQUARIUM ARCH. DETAIL 10 METAL CANOPY, COLOR: 11 KINGSPAN WALL PANEL SYSTEM, SW 6884 OBSTINATE ORANGE TUFF Height of building was increased from 134'-9" 12 SIERRA SUNSET ARCHITECTURAL DETAIL to 139'-4 1/2" provide sufficient roof slope and 13 DECORATIVE DOOR, SEE SCHEDULE still be covered by the parapet. 14 ROLL UP DOOR, SEE SCHEDULE 15 HOLLOW METAL DOOR, SEE SCHEDULE 16 KINGSPAN WALL PANEL SYSTEM, COLOR: SW ULTRA WHITE (E) 17 KINGSPAN WALL PANEL SYSTEM, COLOR: ???? 18 FUTURE LIFESTYLE DESIGN TO BE DETERMINED 19 KNOX BOX. VERIFY WITH ASJ FOR EXACT LOCATION OF MOUNTING. LIHAUL 24 -7 self - storage Revised the canopy to (BLDG A) EAST ELEVATION Height of building was increased from 134'-9" to 139'-4 1/2" provide sufficient roof slope and still be covered by the parapet. 3 Down spouts were added to drain Stairs were moved to the South Elevation because we would encroach into the side set back. Added three down spouts to drain roof 26 139'-4 1/2" TOP OF PARAPET — — — Jour Storage Place 24-7 self-storage 5

Lowered the height of the concrete panels under canopy for ease of construction

Added one door into the

Fire Riser Room

Revised the canopy to provide drainage

Current Status: CONSTRUCTION DOCUMENT

REVISIONS

(BLDG. A) ELEVATIONS

Job Number:

Checked by: Sheet No.

Added a door for

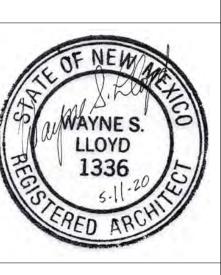
an electrical room

(BLDG A) NORTH ELEVATION

Relocated one down spout

sociate

Lloyd & Associa



J-HAUL OF WESTSIDE

Current Status: CONSTRUCTION DOCUMENT									
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