CITY OF ALBUQUER



April 16, 2015

Eugenio Valdez, PE Wilson & Company, Inc. 4900 Lang Avenue NE Albuquerque, NM 87120

RE: **Chaparral Elementary School Portable Relocation** Grading and Drainage Plan Plan Dated 4-14-15 (File: F10-D005)

Dear Mr. Valdez:

Based upon the information provided in your submittal received 3-27-15, the above referenced plan cannot be approved for Building Permit until the following comments are addressed:

1) Please indicate how the first flush volume is to be managed which is defined as 0.34" times the additional impervious area for the site. Show first flush computations on the plan.

PO Box 1293

Albuquerque

2) For all proposed pipe inlets and sidewalk culverts, show amount of flow that is captured and the capacity to handle the flow.

- 3) Label existing 18" storm drain pipe on the plan view and the proposed discharge of 11.94 cfs.
- 4) Show direction of runoff flow from the roofs of the portable buildings and any roof drains for the portable buildings. If there is any roof flow directed to the west of the New Mexico 87103 building, show how the flow is to be managed. Show how the roof flow for the three northernmost portable buildings is being managed and if it is being conveyed to the new on-site storm drain with additional information which may include additional spot elevations, and/or inlets.

www.cabq.gov

If you have any questions, you can contact me at 924-3924.

Sincerely,

Jeanne Wolfenbarger, P.E. Senior Engineer, Planning Dept. **Development Review Services**

Orig: Drainage file c.pdf Addressee via Email

F10D005_BP_Grading_Cmmt



1	2	3 4	5	6	7 8
		ALBUQUER	QUE		Shiprock Farmington
	APS R	PUBLIC SCH	OOLS		SITE LOCATION
PUB	BLIC SCHOOLS	CONSTRUCTION	PLANS	PUBLIC SCHOOLS	Fence Lake Quernado
		FOR			Z Z RESERVE C T T SILVER CITY Bayard
CH	APARR		NTAR	Y SCHO	OL Columbus
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	SHEET	INDEX	C-110 (ESC-102)	EROSION & SEDIMENT CONTR	
SHEET #		=SCRIPTION	C-501R	SITE DETAILS	51
G-001	COVER SHEET		C-502	SITE DETAILS	
G-002	GENERAL NOTES		C-503	SITE DETAILS	
C-101R	DEMOLITION PLAN		C-504	SITE DETAILS	
C-102	PROPOSED & FUTURE	SITE PLAN	C-505	SITE DETAILS	
C-103R	TRAFFIC CIRCULATION	LAYOUT	C-506	SITE DETAILS	
C-104	PIER LOCATION TABLE	S	C-507R		
C-105R	OVERALL GRADING & D	DRAINAGE PLAN		DEMOLITION PHOTOS	
C-106K		PLAN	F101	ELECTRICAL SITE PLAN	
C-107		AN	E102	ELECTRICAL SITE PLAN	
C-109					
0 100	EROSION & SEDIMENT	CONTROL PLAN NOTES & DETAILS			
(ESC-101)	EROSION & SEDIMENT	CONTROL PLAN NOTES & DETAILS			



GENERAL NOTES:

1. ALL IMPROVEMENTS, UNLESS OTHERWISE MODIFIED IN THE PROJECT SPECIFICATIONS. SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE COA STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION, EXCEPT WHERE OTHERWISE NOTED IN THE DRAWINGS. MEASUREMENT AND PAYMENT SHALL BE IN ACCORDANCE WITH THE BID FORM AND THE COA STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

2. STANDARD DRAWINGS: REFER TO STANDARD DRAWINGS FOR COA STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION UNLESS OTHERWISE NOTED.

3. THE CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME THE SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF PROJECT CONSTRUCTION INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

4. NO CHANGES SHALL BE MADE TO THESE PLANS WITHOUT THE WRITTEN APPROVAL OF THE OWNER, ENGINEER AND ALL APPROVAL SIGNATORIES. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION METHODS OR TECHNIQUES OR FOR THE PROSECUTION OF THE WORK AS SHOWN ON THESE PLANS. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS OR OTHER PERSONS PERFORMING ANY OF THE WORK OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH CONTRACT DOCUMENTS.

5. UNLESS OTHERWISE PROVIDED AS PART OF THE CONSTRUCTION PLANS, A COMPLETE TRAFFIC CONTROL PLAN SHALL BE PREPARED BY THE CONTRACTOR WHEN ANY PORTION OF THE WORK IS IN THE PUBLIC RIGHT-OF-WAY OR AFFECTING ON-SITE VEHICLE OR PEDESTRIAN CIRCULATION. ALL CONSTRUCTION SIGNING, BARRICADING AND CHANNELIZATION SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION. THE PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL FOR ON-SITE CONSTRUCTION. TRAFFIC CONTROL WITHIN THE CITY/COUNTY RIGHT-OF-WAY SHALL DEFAULT TO THE CITY/COUNTY TRAFFIC DEPARTMENT FOR APPROVAL. THE CONTRACTOR SHALL NOT IMPLEMENT THE TRAFFIC CONTROL PLAN UNTIL APPROVAL OF THE PLAN HAS BEEN RECEIVED FROM THE AUTHORITY. THE TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO AND APPROVED BY THE ABCWUA OR ENGINEER.

6. THE CONTRACTOR SHALL DESIGNATE AT LEAST ONE EMERGENCY CONTACT PERSON, AND SHALL PROVIDE TELEPHONE NUMBERS WHERE THIS PERSON CAN BE CONTACTED AT ANY TIME, INCLUDING WEEKENDS, HOLIDAYS AND AFTER HOURS, THIS INFORMATION SHALL BE PROVIDED TO THE OWNER AND THE ENGINEER.

7. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS FROM ALL JURISDICTIONAL AUTHORITIES PRIOR TO START OF CONSTRUCTION. PERMIT COSTS ARE INCIDENTAL TO BASE BID.

8. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY, HEALTH, AND ENVIRONMENTAL PROTECTION.

9. EXISTING SITE INFRASTRUCTURE WHICH ARE DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE. REPAIRS SHALL BE APPROVED BY THE OWNER PRIOR TO CONSTRUCTION OF THE REPAIRS. REPAIRS SHALL BE ACCEPTED BY THE OWNER PRIOR TO FINAL PAYMENT.

10. THE CONTRACTOR SHALL USE THE DESIGNATED STAGING AREAS FOR STORAGE OF EQUIPMENT AND MATERIAL. NO MATERIAL OR EQUIPMENT MAY BE STORED OR LEFT ON-SITE AT ANY OTHER LOCATION. THE OWNER ASSUMES NO LIABILITY FOR CONTRACTOR'S EQUIPMENT AND MATERIAL IN THE STAGING AREA. SECURITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. IF NO STAGING AREA IS DESIGNATED ON THESE PLANS, AN OFF-SITE STAGING AREA SHALL BE PROVIDED AT THE CONTRACTOR'S EXPENSE, OR THE CONTRACTOR MAY NEGOTIATE WITH THE OWNER TO USE AN ON-SITE AREA.

11. ALL STATIONING REFERS TO THE CENTERLINE OF THE RIGHT-OF-WAY UNLESS OTHERWISE NOTED. STATIONING OF CHANNELS OR PIPES IN DRAINAGE EASEMENTS REFERS TO THE CENTERLINE OF CHANNEL OR PIPE, UNLESS OTHERWISE NOTED.

GENERAL NOTES CONTINUED;

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING, IN ADVANCE OF HIS/HER CONSTRUCTION OPERATIONS, IF OVERHEAD UTILITY LINES, SUPPORT STRUCTURES, POLES, GUYS, ETC. ARE AN OBSTRUCTION TO CONSTRUCTION OPERATIONS. IF ANY OBSTRUCTION IS EVIDENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE APPROPRIATE UTILITY OWNER TO REMOVE OR SUPPORT THE UTILITY OBSTRUCTION. ANY COST ASSOCIATED WITH THIS EFFORT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

13. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UNDERGROUND UTILITY CONFLICTS. SHOULD A CONFLICT EXIST. THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

14. UTILITY ALLOWANCE CONTRACTOR SHALL INCLUDE A UTILITY ALLOWANCE OF \$2500.00. UTILITY ALLOWANCE IS INTENDED TO COVER WORK IN BOTH PHASE 1 AND 2, WHICH IS NOT KNOWN DUE TO COVERED AND UNFORESEEN UNDERGROUND UTILITY CONFLICTS. CONTRACTOR SHALL BE REQUIRED TO PROVIDE A DETAILED SCOPE OF WORK AND COST FOR REVIEW BY OWNERS REPRESENTATIVE PRIOR TO PROCEEDING. PROVISIONS OF ALLOWANCE DOES NOT GUARANTEE FULL AMOUNT TO CONTRACTOR. ONLY THAT PORTION OF MONEY USED FOR INTENDED PURPOSES WILL BE EXPENDED.

15. AS-BUILTS: CONTRACTOR SHALL DELIVER FINAL CERTIFIED AS-BUILTS IN HARD COPY AND ACAD R2010 OR BETTER. AS-BUILTS SHALL BE SUBMITTED WITH SUBSTANTIAL COMPLETION PAY APPLICATION. NO PAYMENT WILL BE MADE WITHOUT AS-BUILT SUBMITTAL.

SCHEDULE: THE CONTRACTOR SHALL PREPARE AND SUBMIT A CRITICAL PATH METHOD (CPM) SCHEDULE PRIOR TO COMMENCEMENT OF PROJECT CONSTRUCTION. THE CPM SCHEDULE SHALL CLEARLY IDENTIFY A WORK BREAKDOWN STRUCTURE THAT DETERMINES THE TOTAL PROJECT DURATION EARLY ACTIVITY START AND FINISH, LATE ACTIVITY START AND FINISH ALONG WITH EARLY AND LATE EVENT OCCURRENCE TIME SHALL ALL BE IDENTIFIED IN THE CPM SCHEDULE. CPM SCHEDULE SHALL BE UPDATED MONTHLY AND DISTRIBUTED IN HARD COPY TO OWNER AND PROJECT ENGINEER. OWNER RETAINS OWNERSHIP OF TOTAL FLOAT AND FREE FLOAT WHEN NOT USED BY CONTRACTOR AND NO ADDITIONAL PAYMENTS WILL BE MADE.

17. WHEN ABUTTING NEW PAVEMENT TO EXISTING INTERSECTING STREETS THE EXISTING PAVEMENT SHALL BE SAW CUT TO A STRAIGHT LINE AT RIGHT ANGLES AND ANY BROKEN OR CRACKED PAVEMENT SHALL BE REMOVED. SAW CUTTING SHALL BE INCIDENTAL TO PAVING, THEREFORE, NO DIRECT PAYMENT WILL BE MADE FOR THE SAW CUTTING. THE CONTRACTOR SHALL CONTACT BERNALILLO COUNTY PUBLIC WORKS DIVISION (848-1502) TO REQUEST AN INSPECTOR TO VERIFY PAVEMENT THICKNESS.

18. ANY PAVEMENT DISTURBED BY THE TRENCH SHALL BE REMOVED AND THE FULL SECTION OF PAVEMENT SHALL BE REPLACED. FOR THE PAVEMENT BEYOND THAT AREA DISTURBED BY THE EXCAVATED TRENCH, THE FOLLOWING APPLIES UNLESS OTHERWISE NOTED ON PLANS: IF ONLY ONE LANE IS DISTURBED BY TRENCHING. THE REMAINDER OF THE ONE ENTIRE LANE SHALL BE MILLED AND RESURFACED. IN A FOUR-LANE STREET, IF MORE THEN ONE LANE BUT LESS THEN HALF THE STREET IS AFFECTED, THEN THE REMAINDER OF HALF THE STREET (TWO LANES MINIMUM) SHALL BE MILLED AND RESURFACED. IF MORE THAN ONE-HALF OF ANY STREET WIDTH IS AFFECTED, THEN ALL PAVING IN THE STREET FROM CURB TO CURB SHALL BE MILLED AND RESURFACED.

19. DEWATERING DURING CONSTRUCTION IS CONSIDERED INCIDENTAL TO THE COST OF CONSTRUCTION.

EROSION CONTROL/ENVIRONMENTAL **PROTECTION/STORM WATER POLLUTION** PREVENTION PLAN:

1. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST AND EROSION CONTROL REGULATIONS. THE CONTRACTOR SHALL PREPARE AND OBTAIN ANY NECESSARY DUST OR EROSION CONTROL PERMITS FROM REGULATORY AGENCIES.

2. THE CONTRACTOR SHALL PROMPTLY REMOVE ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY TO KEEP IT FROM WASHING OFF THE PROJECT SITE.

3. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO OTHER PROPERTY BY CONSTRUCTING TEMPORARY EROSION CONTROL BERMS OR PLAN. INSTALLING SILT FENCES AT THE PROPERTY LINES.

4. THE CONTRACTOR SHALL MITIGATE EROSION OF TEMPORARY OR PERMANENT DIRT SWALES BY INSTALLING CHECK DAMS IN THE SWALES PERPENDICULAR TO THE DIRECTION OF FLOW.

5. THE CONTRACTOR SHALL WET THE SOIL AS NEEDED TO KEEP IT FROM BLOWING WATERING, AS REQUIRED FOR CONSTRUCTION AND DUST CONTROL, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO MEASUREMENT OR PAYMENT SHALL BE MADE THEREFOR. CONSTRUCTION AREAS SHALL BE WATERED FOR DUST CONTROL IN COMPLIANCE WITH GOVERNMENT ORDINANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND SUPPLYING WATER AS REQUIRED.

6. ANY AREAS DISTURBED BY CONSTRUCTION AND NOT COVERED BY LANDSCAPING OR ANY IMPERVIOUS SURFACE SHALL BE REVEGETATED WITH NATIVE GRASS SEEDING. WHEN CONSTRUCTION ACTIVITIES CEASE AND EARTH DISTURBING ACTIVITIES WILL NOT RESUME WITHIN 14 DAYS, STABILIZATION MEASURES MUST BE INITIATED. UNLESS INDICATED OTHERWISE ON THESE PLANS OR ON THE LANDSCAPING PLAN, SEEDING SHALL BE NATIVE GRASS SEEDING PER SECTION 1012 OF THE COA STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

7. ALL WASTE PRODUCTS FROM THE CONSTRUCTION SITE, INCLUDING ITEMS DESIGNATED FOR REMOVAL, CONSTRUCTION WASTE, CONSTRUCTION EQUIPMENT WASTE PRODUCTS (OIL, GAS, TIRES, ETC.) GARBAGE, GRUBBING, EXCESS CUT MATERIAL VEGETATIVE DEBRIS, ETC. SHALL BE APPROPRIATELY DISPOSED OF OFF-SITE AT NO ADDITIONAL COST TO THE OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN PERMITS REQUIRED FOR HAUL OR DISPOSAL OF WASTE PRODUCTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE WASTE DISPOSAL SITE COMPLIES WITH GOVERNMENT REGULATIONS REGARDING THE ENVIRONMENT, ENDANGERED SPECIES AND ARCHAEOLOGICAL RESOURCES.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANUP AND REPORTING OF SPILLS OF HAZARDOUS MATERIALS ASSOCIATED WITH THE CONSTRUCTION SITE. HAZARDOUS MATERIALS INCLUDE GASOLINE, DIESEL FUEL, MOTOR OIL, SOLVENTS, CHEMICALS, PAINTS, ETC. WHICH MAY BE A THREAT TO THE ENVIRONMENT. THE CONTRACTOR SHALL REPORT THE DISCOVERY OF PAST OR PRESENT SPILLS TO THE NEW MEXICO ENVIRONMENT DEPARTMENT EMERGENCY RESPONSE AT 1-(505)-827-9329.

9. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS CONCERNING SURFACE AND UNDERGROUND WATER. CONTACT WITH SURFACE WATER BY CONSTRUCTION EQUIPMENT AND PERSONNEL SHALL BE MINIMIZED. EQUIPMENT MAINTENANCE AND REFUELING OPERATIONS SHALL BE PERFORMED IN AN ENVIRONMENTALLY SAFE MANNER IN COMPLIANCE WITH GOVERNMENT REGULATIONS.

10. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS CONCERNING CONSTRUCTION NOISE AND HOURS OF OPERATION.

11. WHERE STORM INLETS ARE SUSCEPTIBLE TO IN FLOW OF SILT OR DEBRIS FROM CONSTRUCTION ACTIVITIES, PROTECTION SHALL BE INSTALLED ON THEIR UPSTREAM SIDE.

UTILITIES-GENERAL NOTE:

IF ANY UTILITY LINES, PIPELINES OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS. THEY ARE SHOWN IN AN APPROXIMATE LOCATION ONLY, AND LINES MAY EXIST WHERE NONE ARE SHOWN. THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE UTILITY OWNER OR FROM EXISTING PLANS, AND THIS INFORMATION MAY BE INCOMPLETE, OR OBSOLETE AT THE TIME OF CONSTRUCTION. THE ENGINEER HAS NOT UNDERTAKEN ANY FIELD VERIFICATION OF THESE LOCATIONS, LINE SIZES OR MATERIAL TYPE, MAKES NO REPRESENTATION THERETO, AND ASSUMES NO RESPONSIBILITY ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE OR UNDERGROUND INSTALLATION IN OR NEAR THE AREA IN ADVANCE OF ANY DURING ANY EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES AND UNDERGROUND FACILITIES. IN PLANNING AND CONDUCTING EXCAVATIONS. THE CONTRACTOR SHALL COMPLY WITH ALL STATE STATUES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.

THE CONTRACTOR SHALL NOTIFY NEW MEXICO ONE CALL, INC. AT 260-1990 AT LEAST TWO WORKING DAYS PRIOR TO STARTING WORK ON THIS PROJECT.

3. SEWER/WATER LINES SHALL BE PLACED IN SEPARATE TRENCHES A DISTANCE OF 15 FEET TYPICALLY OR A MINIMUM OF 10 FEET APART HORIZONTALLY. THE WATER LINE SHALL BE PLACED A MINIMUM OF 1.5 FEET HIGHER IN ELEVATION THAN THE SEWER. AT ALL CROSSINGS OF WATER AND SEWER LINES. THE WATER LINE SHALL BE MINIMUM OF 1.5 HIGHER THAN THE SEWER OR THE SEWER LINE SHALL BE C-900 PRESSURIZED PIPE.

4. SEWER & WATER LINE DISTANCES SHOWN IN PLANS ARE HORIZONTAL DISTANCES WITHOUT REGARD TO SLOPE OF PIPE OR PROJECT STATIONING.

5. NON-DESTRUCTIVE UTILITY EXPLORATION -TYPICAL TASKS BY THE CONTRACTOR LEADING TO UTILITY EXPLORATION ARE: A) SELECT AN APPROPRIATE METHOD OF GATHERING DATA THAT WILL ACHIEVE THE ACCURACIES AND PRECISION REQUIRED TO IDENTIFY THE EXACT X, Y AND Z LOCATION OF CONFLICT. VERTICAL AND HORIZONTAL SURVEY MAPPING ACCURACY SHALL ADHERE TO THE DESIGN SURVEY CONTROL.

B) WHEN EXCAVATING TEST HOLES EXPOSING THE UTILITY TO BE MEASURED, IT SHALL BE EXECUTED IN SUCH A MANNER THAT IT PROTECTS THE INTEGRITY OF THE UTILITY TO BE MEASURED. EXPOSURE IS TYPICALLY PERFORMED VIA MINIMALLY INTRUSIVE EXCAVATION.

C) NON-DESTRUCTIVE UTILITY EXPLORATION SHALL BE DONE A MINIMUM OF ONE WEEK IN ADVANCE OF PROJECT SCHEDULE DELAY. THIS WORK SHALL BE PAID UNDER BID ITEM 7 AND 8.

D) COMPLY WITH APPLICABLE UTILITY DAMAGE PREVENTION LAWS, PERMITS, AND SPECIFICATIONS, AND COORDINATE WITH UTILITY AND OTHER INSPECTORS, AS REQUIRED.

E) DETERMINE (a) THE HORIZONTAL AND VERTICAL LOCATION OF THE TOP AND/OR BOTTOM OF THE UTILITY REFERENCED TO THE PROJEC SURVEY DATUM; (b) THE ELEVATION OF THE EXISTING GRADE OVER THE UTILITY AT A TEST HOLE REFERENCED TO THE PROJECT SURVEY DATUM; (c) THE OUTSIDE DIAMETER OF THE UTILITY AND CONFIGURATION OF NON-ENCASED, MULTI-CONDUIT SYSTEMS; (d) THE UTILITY STRUCTURE MATERIAL COMPOSITION, WHEN REASONABLY ASCERTAINABLE; (e) THE BENCHMARKS AND /OR PROJECT SURVEY DATA USED TO DETERMINE ELEVATIONS: (f) THE PAVING THICKNESS AND TYPE, WHERE APPLICABLE; (g) THE GENERAL SOIL TYPE AND SITE CONDITIONS; AND (h) SUCH OTHER PERTINENT INFORMATION AS IS REASONABLY ASCERTAINABLE FROM EACH TEST HOLE SITE.

UTILITY CONTACTS

	-	-	
COMPANY	PHONE	MOBILE	CONTACT
ABCWUA	768-2729		NANCY MUSINSKI
PNM - ELECTRIC	241-3421		CHRIS BUDD
NM GAS	697-3144		MARK BOUCHARD
QWEST	245-8530		DON DAVALOS
COMCAST	761-6235		MIKE MORTIS
NM ONE CALL	260-1990		N/A

WATER:

1. THE CONTRACTOR MUST OBTAIN WRITTEN APPROVAL FROM THE ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY (ABCWUA) TO OPERATE ANY VALVE OR FIRE HYDRANT INCLUDING NEW WATERLINES AND EXTENSIONS TO THE WATER SYSTEM WHICH HAVE NOT YET BEEN ACCEPTED BY ARE CONNECTED TO THE EXISTING WATER SYSTEM. ONCE APPROVAL HAS BEEN VERIFIED, THE CONTRACTOR MUST CONTACT ABCWUA, 48 HOURS IN ADVANCE TO REQUEST A SHUTOFF DATE. WATER SHUT OFF MAY BE DONE AT NIGHT OR ON WEEKENDS TO ACCOMMODATE WATER CUSTOMERS.

2. WATER LINES SHALL BE CONSTRUCTED WITH A MINIMUM OF 4.0 FT. COVER MEASURED FROM FINISH GRADE TO THE TOP OF PIPE, UNLESS OTHERWISE SPECIFIED ON PLANS.

3. FOR PRESSURE WATER CONNECTIONS TO EXISTING LINES, THE CONTRACTOR SHALL NOTIFY THE ABCWUA A MINIMUM OF 48 HOURS PRIOR TO THE CONNECTION.

4. CONCRETE THRUST BLOCKS SHALL BE USED ON ALL 90 DEGREE BENDS, TEES TO HYDRANTS, BEHIND HYDRANTS AND UNDER VALVES. ALL FITTINGS AND CAPS SHALL USE MEGA LUG RESTRAINTS. NO EXTRA PAYMENT WILL BE MADE FOR THESE FEATURES.

5. COMPRESSION JOINTS MAY BE USED ON COPPER SERVICE LINES EXCEPT FLARED JOINTS SHALL BE USED WHEN CONNECTING TO PLASTIC LINES.

THE 24" DEPTH OF SERVICE LINE BELOW FINISH SURFACE ELEVATION OF METER BOXES IS CRITICAL. METERS WILL NOT BE INSTALLED WHEN THIS DIMENSION VARIES.

7. VALVE BOXES SHALL BE BROUGHT TO SURFACE ELEVATION UPON COMPLETION OF SURFACE COURSE OF PAVEMENT. OCTAGONAL CONCRETE COLLARS SHALL BE CONSTRUCTED TO SURFACE ELEVATIONS.

8. FLUSHING OF WATER LINES SHALL BE METERED. ORDER OF PREFERENCE FOR DISPOSAL IS (1) ON AVAILABLE LAND SURFACE (2) IN STORM SEWERS OR (3) IN SANITARY SEWERS. DISPOSAL METHOD SHALL BE DISCUSSED WITH INSPECTOR.

FLUSHING, DISINFECTING AND TESTING OF WATERLINES SHALL BE COORDINATED WITH ABCWUA UTILITY INSPECTOR.

10. 8" PVC WATERLINE SHALL BE CLASS C900 DR-18.



OHE	ELECTRICAL, OVERHEAD LINE	P	ELECTRICAL, POWER POLE
UGE	ELECTRICAL, UNDERGROUND LINE	\leftarrow	ELECTRICAL, GUY WIRE
- 6	UTILITY, GAS LINE	$\mathbf{\hat{\mathbf{x}}}$	ELECTRICAL, LIGHT POLE
0		$\Theta_{_{ER}}$	ELECTRICAL, RISER
- W		EB	ELECTRICAL, BOX
- SS ———	UTILITY, SANITARY SEWER LINE	T	ELECTRICAL, TRANSFORMER
- SD	UTILITY, STORM SEWER LINE	AC	ELECTRICAL, AIR CONDITIONER UN
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\triangle	SITE, CONTROL POINT	Ÿ	UTILITY, ANTENNA TOWER
	SITE, PARKING BUMPER	Ö	UTILITY, FIRE HYDRANT
	SITE, PARKING STRIP		
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A A A A A A A A A A A A A A	PLINES_SHEETS					AT NEAREST JOINT ASPH. BEC N:1504347 E:1502514	4 ASPH. 14 15 ≤ 1 .57 .91 .91		EGIN 1504346.84 1502656.46
(A4) DEMOLITION PLAN	00-114-00/2_DISCI						DIRT DIRT	DIRT	Of F
	:\MSD\14-60				(A4) DEMOLITIO	UN PLAN			



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Gl	ENERAL SHEET NO	DTES			c	L.
1.	ALL UTILITIES AND OTHER TOPOG BASED ON FIELD SURVEY. ACTUA	GRAPHIC FEATURES ARE APPROXIMATE		 	D9 D9 FLOOR	
2.	ANY ADDITIONAL DAMAGE TO SIT REPAIRED OR REPLACED IN-KIND	PRIOR TO CONSTRUCTION. E NOT DETAILED IN PLANS SHALL BE BY THE CONTRACTOR.		& COMPAN	4900 LANG AVE. NE ALBUQUERQUE, NM 8710 PHONE: 505-348-4000 FAX: 505-348-4055 FIRST	FAX: 303-340-4133 3ECOND www.wilsonco.com
			CONSULTANTS			
			SEAL	CORNIO E. LA	2 4 14 15 Star	
$\langle \rangle$	KEYNOTES			\succ		
1				Ŕ	N	
2	REMOVE AND DISPOSE ASPHALT			T⊳	E	
2.	REMOVE AND DISPOSE CONCRET.	5		Ż	A	
3.	REMOVE AND DISPOSE CUNCRET			Ш	O O	
4.	REMOVE AND DISPOSE CURB AND	GUITER.		Ш.		
5.	REMOVE AND DISPOSE CHAIN LIN	K FENCE.			ЫМ	
6.	REMOVE AND DISPOSE SIDEWALK	CULVERT.		. ഥ 	Ĭ, Ľ	
7.	REMOVE AND DISPOSE LIGHT, PO	LE AND BASE.		A S		
8.	REMOVE AND DISPOSE SIGN AND	POST.			A U	
9.	REMOVE AND DISPOSE TREE INCL	UDING ROOTS.		A	T/	
10.	REMOVE AND DISPOSE INLET.		NAME	ДД	R	
11.	REMOVE AND DISPOSE 38 LF OF 1	8" PVC SD.	L T	Ĩ	Ы	
12.	REMOVE AND RELOCATE ELECTRI C-103 FOR RELOCATION.	CAL RISERS (BY OTHERS). SEE SHEET	PROJE			
13.	PROTECT EXISTING FIRE HYDRAN PROJECT SHALL BE REPAIRED OR CONTRACTOR.	T. ANY DAMAGE AS A RESULT OF THIS REPLACED IN-KIND BY THE	ICM			ΒY
14.	CLEAR, GRUB AND DISPOSE VEGE	TATION.	-			
15.	REMOVE AND DISPOSE EXCESS D	IRT MATERIAL.	ISION			NOI
16.	REMOVE AND DISPOSE PLAYGROUR RIGHT TO REFUSAL.	JND EQUIPEMENT. OWNER HAS FIRST	REV			CRIP
17.	REMOVE AND DISPOSE CONCRET	E RETAINING WALL.	I LOT			DESC
18.	PROTECT EXISTING TREE.		NING			
19.	REMOVE AND RELOCATE EXISTING	G POST INDICATOR VALVE.	PAR			
			5			
			/14/1			DATE
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	APPROXIMATE DEM	IOLITION LIMITS	PROJE	CT NO:	146001	1400
			DESIG	NED BY:		MJI JEM
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KEYNOTES

- INSTALL 32' x 28' PORTABLE. SEE DETAIL A8/ C-503 CONSTRUCT CONCRETE PIERS. SEE DETAIL C8 OR F8 SHEET C-503 REINSTALL ADA PORTABLE RAMP. SEE DETAIL A1/C-504 FOR TYPICAL APS RAMP DETAILS.
- INSTALL 32' x 28' PORTABLE. SEE DETAIL A8/ C-503 CONSTRUCT CONCRETE PIERS. SEE DETAIL C8 OR F8 SHEET C-503 PORTABLE WILL NOT HAVE RAMP INSTALLED.
- INSTALL 64' x 27-4" PORTABLE. SEE DETAIL A3/ C-503 CONSTRUCT DRY STACK BLOCKS PIERS. SEE DETAIL C3/ C-503 REINSTALL ADA PORTABLE RAMP.
- INSTALL 32' x 28' RESTROOM PORTABLE. SEE DETAIL A8/ C-503 CONSTRUCT CONCRETE PIERS. SEE DETAIL C8 OR F8 SHEET C-503 REINSTALL ADA PORTABLE RAMP. SEE DETAIL A1/C-504 FOR TYPICAL APS RAMP DETAILS.
- RELOCATED ELECTRICAL RISERS (BY OTHERS). 5.
- 6. INSTALL CONCRETE WHEELSTOP. SEE DETAIL F2/C-501.
- 7. INSTALL 5'-0" H CHAIN LINK FENCE. SEE DETAIL A1/ C-508.
- 8. INSTALL 5' WIDE PEDESTRIAN GATE.

			VINDANO VINDANV		4900 LANG AVE. NE	ALBUQUERQUE, NM 87109	PHONE: 505-348-4000 Eav: fof 318 10ff fibst flood	FAX: 505-348-4155 SECOND FLOOR	www.wilsonco.com
CONSULTANTS									
SEAL		10 E. L	CEN MEX, 24	14 00 14 m	1 4 (124) 4 - 1	24/4/5%	SCIONAL ENCY		
PROJECT NAME			CHAPARRAL ELEMENTARY		SCHOOL				
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PARKING LOT REVISION									DESCRIPTION
04/14/15									DATE
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PORTABLE 488	PIER LOC	PIER LOCATION TABLE					
PIER #	NORTHING	EASTING	TOP OF PIER ELEV				
A1	1504400.47	1502525.76	5113.73				
A2	1504400.37	1502553.18	5113.73				
A3	1504376.47	1502525.68	5113.73				
A4	1504376.37	1502553.09	5113.73				

PORTABLE 806	PIER LOC	PIER LOCATION TABLE				
PIER #	NORTHING	EASTING	TOP OF PIER ELEV			
B1	1504442.47	1502525.91	5113.28			
B2	1504442.37	1502553.32	5113.28			
B3	1504418.47	1502525.82	5113.28			
B4	1504418.37	1502553.24	5113.28			

PORTABLE NM	004 PIER LOC	ATION TABLE	
PIER #	NORTHING	EASTING	TOP OF PIER ELEV
C1	1504537.29	1502526.06	5113.58
C2	1504537.25	1502539.09	5113.58
C3	1504537.20	1502552.11	5113.58
C4	1504521.61	1502526.01	5113.58
C5	1504521.52	1502552.05	5113.58
C6	1504509.06	1502538.99	5113.58
C7	1504505.61	1502525.95	5113.58
C8	1504505.52	1502552.00	5113.58
C9	1504502.06	1502538.96	5113.58
C10	1504489.61	1502525.90	5113.58
C11	1504489.52	1502551.94	5113.58
C12	1504473.92	1502525.84	5113.58
C13	1504473.87	1502538.87	5113.58
C14	1504473.83	1502551.88	5113.58

PORTABLE NM	003 PIER LOC	ATION TABLE	
PIER #	NORTHING	EASTING	TOP OF PIER ELEV
D1	1504622.65	1502526.36	5112.97
D2	1504622.61	1502539.39	5112.97
D3	1504622.56	1502552.40	5112.97
D4	1504606.96	1502526.30	5112.97
D5	1504606.87	1502552.35	5112.97
D6	1504594.42	1502539.28	5112.97
D7	1504590.96	1502526.25	5112.97
D8	1504590.87	1502552.29	5112.97
D9	1504587.42	1502539.26	5112.97
D10	1504574.96	1502526.19	5112.97
D11	1504574.87	1502552.23	5112.97
D12	1504559.28	1502526.14	5112.97
D13	1504559.23	1502539.16	5112.97
D14	1504559.19	1502552.18	5112.97

PORTABLE SR2	9 PIER LOC	ATION TABLE	
PIER #	NORTHING	EASTING	TOP OF PIER ELEV
E1	1504661.66	1502529.88	5112.43
E2	1504661.58	1502553.88	5112.43
E3	1504634.24	1502529.78	5112.43
E4	1504634.16	1502553.78	5112.43

PORTABLE SC220 PIER LOCATION TABLE									
PIER #	NORTHING	EASTING	TOP OF PIER ELEV						
F1	1504738.03	1502469.90	5111.13						
F2	1504738.03	1502497.32	5111.13						
F3	1504714.03	1502469.90	5111.13						
F4	1504714.03	1502497.32	5111.13						

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CHAPARRAL ELEMENTARY SCHOOL IS LOCATED AT 6325 MILNE RD NW ON THE NORTHWEST MESA OF THE ALBUQUERQUE METROPOLITAN AREA. THE SCHOOL GENERALLY LIES AT THE SOUTHEAST CORNER OF THE INTERSECTION OF WESTERN TRAIL NW AND UNSER BLVD NW. THE PROPOSED SITE IS JUST WEST OF THE MAIN CLASSROOM BUILDING. OTHER PORTABLE CLASSROOM BUILDINGS ARE LOCATED JUST WEST OF THE PROPOSED RELOCATION SITE. THE SURROUNDING CAMPUS WILL BE UNDERGOING RENOVATIONS UNDER A SEPARATE PROJECT. THE GOAL OF THIS PROJECT IS TO ADD TEMPORARY PORTABLES AND PAVING TO PROVIDE CLASSROOMS FOR THE DISPLACEMENT OF STUDENTS DURING CONSTRUCTION OF THE EXPANSION

THE DRAINAGE CONCEPT FOR THIS PROJECT WILL BE THE CONTINUED FREE DISCHARGE OF DEVELOPED RUNOFF TO LADERA BASIN 16 SOUTH SUMP PER THE 1983 APPROVED DRAINAGE PLAN PREPARED BY HIGH MESA CONSULTING GROUP. THE LADERA BASIN 16 SUMP LIES IMMEDIATELY EAST OF THE SCHOOL SITE.

AS SHOWN BY PANEL 114 OF 825 OF THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAPS PUBLISHED BY FEMA FOR BERNALILLO COUNTY, NEW MEXICO, SEPTEMBER 26, 2008, THE SITE DOES NOT LIE WITHIN A 100-YEAR DESIGNATED FLOOD HAZARD ZONE. THE SITE DOES LIE IMMEDIATELY WEST OF THE DESIGNATED FLOOD HAZARD ZONE, AE, COINCIDING WITH THE LADERA BASIN 16 SOUTH SUMP, A PUBLIC DETENTION BASIN. THE LADERA BASIN 16 SOUTH SUMP IS OWNED, OPERATED AND MAINTAINED BY THE CITY OF ALBUQUERQUE AND REPRESENTS THE OUTFALL FOR THE EXISTING SCHOOL SITE PER THE 2009 REVISED

SECTION 22.2 OF THE CITY OF ALBUQUERQUE DPM WAS UTILIZED TO CALCULATE DESIGN FLOWS. THE PROCEDURE FOR 40 ACRE AND SMALLER BASINS WAS USED. THE 100-YEAR. 6 HOUR STORM EVENT WAS THE DESIGN STORM COMPUTED FOR THE IMPROVEMENTS. THE SITE IS LOCATED IN PRECIPITATION ZONE 1 AS DESIGNATED IN TABLE A-1 OF THE DPM. BASINS WERE DELINEATED USING AN EXISTING OVERALL BASIN

THE PROJECT AREA IS A COMBINATION OF ASPHALT PARKING LOT WITH A VEGETATED ISLAND. ASPHALT ACCESS ROAD, AND CONCRETE SIDEWALKS. THE SITE IS CONTAINED PRIMARILY IN BASIN 2, AND A SMALL

BASIN 2 ENCOMPASSES APPROXIMATELY 2.81 ACRES AND CONSISTS OF THE MAIN PAVED PARKING LOT, THE WESTERN PORTION OF THE MAIN CLASSROOM BUILDING, AND SURROUNDING LANDSCAPE AREAS. THE BASIN SURFACE DRAINS FROM SOUTH TO NORTH TO AN EXISTING PRIVATE STORM INLET WITHIN THE EXISTING DRIVE. THE STORM INLET DISCHARGED TO AN EXISTING 18" PRIVATE STORM DRAIN THAT ULTIMATELY

BASIN 4-A ENCOMPASSES APPROXIMATELY 2.21 ACRES AND CONTAINS PORTABLE CLASSROOMS. PER THE 2009 MASTER DRAINAGE PLAN PREPARED BY HIGH MESA CONSULTING "THIS BASIN DRAINS TO THE NORTH AND WEST, CURRENTLY FORMING A SHALLOW POND AT THE NORTHWEST CONNER OF TH SITE. OVERFLOW RUNOFF WILL FLOW TO THE NORTHWEST TO A DETENTION POND LOCATED ON THE ADJACENT APS ALTERNATIVE SCHOOL PROPERTY. THIS DETENTION POND DISCHARGES TO A PUBLIC STORM DRAIN THAT PASSES BENEATH THE SCHOOL SITE WITHIN A PUBLIC DRAINAGE EASEMENT ALONG THE NORTH EDGE OF THE PROPERTY. THE PUBLIC STORM DRAIN SYSTEM DRAINS FROM WEST TO EAST, DISCHARGING INTO THE

DACIN	AREA	LAND TREATMENT (%)				Q _{p (100)}	V ₍₁₀₀₋₆₎	V ₍₁₀₀₋₆₎
DASIN	ACRE	Α	В	С	D	(CFS)	(AC-FT)	(CF)
2	2.81	0	10	4	86	11.45	0.422	18,369
4-A	2.21	0	0	70	30	7.34	0.237	10,301

THE PROJECT INCLUDES REMOVING THE EXISTING VEGETATED PARKING MEDIAN AND EXISTING SAND PLAYGROUND, AND RELOCATING SIX PORTABLES JUST EAST OF THE EXISTING LINE OF PORTABLES THAT LIE IN THE NORTHWEST CORNER OF BASIN 2. THE NORTH EAST AREA OF BASIN 4-A WILL INCLUDE ONE 32'X28' PORTABLE, SEE TABLE 2 FOR THE PROPOSED HYDROLOGIC CONDITIONS, THE PROPOSED SITE WILL INCLUDE APPROXIMATELY 0.13 ACRES INCREASE IN LAND TREATMENT D. THIS INCLUDES THE ASPHALT PARKING LOT

A PROPOSED TYPE DOUBLE D INLET AND AN 18" STORM DRAIN WILL BE CONSTRUCTED WITHIN THE PROPOSED ENCLOSED PARKING LOT JUST WEST OF THE MAIN BUILDING. THE STORM DRAIN WILL TIE INTO A PROPOSED MANHOLE THAT WILL GET CONSTRUCTED WITHIN THE EXISTING 18" PRIVATE STORM DRAIN. THE EXISTING INLET WITHIN BASIN 2 WILL BE REMOVED AND THE PROPOSED 18" STORM DRAIN WILL CAPTURE FLOWS FROM TWO TYPE A INLETS AND A DOUBLE D INLET TO ACCEPT RUNOFF FROM BASIN 2. APPROXIMATELY 10.8 CFS WILL GET CAPTURED IN THE DOUBLE D INLET LEAVING APPROXIMATELY 1.2 CFS TO BE CAPTURED BY THE TYPE A INLETS. BOTH THE DOUBLE D INLET AND THE TYPE A INLETS HAVE THE CAPACITY WITH NO MORE THAN 6" OF HEAD TO CAPTURE THE REQUIRED PEAK FLOWRATES.

COMPLETION OF THE PORTABLE RELOCATION PROJECT, REFER TO CHAPARRAL ELEMENTARY SCHOOL

PASIN	AREA	LAND TREATMENT (%)				Q _{p (100)}	V ₍₁₀₀₋₆₎	V ₍₁₀₀₋₆₎
DASIN	ACRE	Α	В	С	D	(CFS)	(AC-FT)	(CF)
2	2.81	0	0	8	92	11.94	0.443	19,295
4-A	2.21	0	0	64	36	7.54	0.243	10,772

THERE IS AN OVERALL INCREASE OF 0.69 CFS AND 1397 CF. THE DRAINAGE PATTERNS HAVE NOT BEEN ALTERED. THE 2009 MASTER DRAINAGE PLAN SHOWS THE EXISTING PRIVATE STORM DRAIN TO HAVE A CAPACITY OF 12.7 CFS WHICH IS GREATER THAT THE PROPOSED PEAK FLOW OF 11.94 CFS.

PROJEC	T NAME:	Chaparal ES Portable Relocation							2 YEAR			10YEAR			100 YEAF	२
JOB NUI	MBER:	1460011400	AREA	LANI	D TREA	TMENT	rs	Q	VOLUME	(ac.ft.)	Q	VOLUME	(ac.ft.)	Q	VOLUME	(ac.ft.)
BASIN	COND.	DESCRIPTION	(acres)	A	В	C	D	(cfs)	6 HR	24 HR	(cfs)	6 HR	24 HR	(cfs)	6 HR	24 HF
2	Existing	SITE	2.8100	0.0%	10.0%	4.0%	86.0%	4.15	0.1464	0.1866	7.37	0.2590	0.3208	11.45	0.4217	0.514
2	Developed	SITE	2.8100	0.0%	0.0%	8.0%	92.0%	4.47	0.1574	0.2004	7.81	0.2754	0.3415	11.94	0.4429	0.542
4-a	Existing	SITE	2.2100	0.0%	0.0%	70.0%	30.0%	1.85	0.0553	0.0663	4.22	0.1252	0.1422	7.34	0.2365	0.261
4-a	Developed	SITE	2.2100	0.0%	0.0%	64.0%	36.0%	2.01	0.0619	0.0751	4.41	0.1341	0.1544	7.54	0.2473	0.277





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<u> </u>	KETNUIES				>	ن آ م	
1.	CONSTRUCT 2" ASPHALT PAVEMENT. SEE DETAIL E8/ C-501.					871 -400	NO ND ND
2.	CONSTRUCT 3" ASPHALT PAVEMENT. SEE DETAIL C8/ C-501.				Ž	АVЕ. NM 18-	SEC SEC
3.	CONSTRUCT 24" SIDEWALK CULVERT. SEE DETAIL A5/ C-508.			ית	7	NG , NG , 05-,	400 155 Isonc
4.	CONSTRUCT REMOVABLE BOLLARD. ACTUAL LOCATION SHALL E COORDINATED WITH SAL WAR, APS PORTABLE MANAGER @ 505 SEE DETAIL A5/C-504.	3E 9.975.5965.			5	1900 LA 10QUERQ 10NE: 51	0-048- -348-4 www.wi
5.	CONSTRUCT MEDIAN CURB AND GUTTER. SEE DETAIL A3/ C-501.					ALE , PF	505 505
6.	CONSTRUCT DEPRESSED MEDIAN CURB AND GUTTER. SEE DET/ F5/C-501	AIL		5,	$\widetilde{\mathbf{x}}$, , L	FAX:
7.	CONSTRUCT ADA UNI-DIRECTIONAL RAMP. SEE DETAIL E7/ C-502	n			~ U		
৪.	CONSTRUCT ADA DEPENDICULAR RAMP SEE DETAIL F4/ C-502	<u>-</u>					
U. A							
ອ. 10	CONSTRUCT CONCRETE VALLET GUTTER, DEL	-					
10.	CONSTRUCT 4" PUU SIDEWALK, SEE DETAIL AUTU JUT.		Ś				
1⊥. ∢ე	CONSTRUCT LYPE "A" SINGLE INLET. SEE SHEET U-JUD.		TANT				
ׂו∠. ז∠.	CONSTRUCT 4' DIA TYPE "U" MH W/ 30 SLUTTED LID. SEE SHEET	C-505.	'INSI				
15. ▲4	INSTALL 18" 45° ADS BEND.		CO			•	
14. • -	CONSTRUCT PARALLEL CURB RAMP. SEE DETAIL A// C-302.				7	<u>+</u>	
15.	. INSTALL 2" CRUSHER FINES. CRUSHER FINES COLOR SHALL BE DETERMINED / COORDINATED WITH SAL WAR, APS PORTABLE M 505.975.5965.	ANAGER @		× ·	DE	4 / H	\backslash
(16.	5'-0" TRANSITION FROM MEDIAN CURB AND GUTTER TO MOUNTA AND GUTTER.	BLE CURB		Ш U Ш	WE NO	S'ONA	· · · · · · · · · · · · · · · · · · ·
17.	CONSTRUCT MOUNTABLE CURB AND GUTTER. SEE DETAIL A1/ C	-501R.	Ι.	1	1300 \$	2 ROFE	/
18.	CONSTRUCT TYPE DOUBLE "D" INLET. SEE SHEET C-507R.		SEAL	l	M	r.	
19.	INSTALL 18"x18" ADS TEE.	•					
20	CONSTRUCT 6" REINFORCED CONCRETE. SEE DETAIL D1/ C-501F	R.	ĺ		\succ	Ζ	I
21	INSTALL 28'-0" W DOUBLE SWING PIPE GATE. SEE SHEET C-507R	2.			АF	Ō	1
k 22	 INSTALL 5'-0"H CHAIN LINK FENCE SEE DETAIL A1/ C-508. 				F	Ē	,
23	NSTALL 5'-0"H. 20'-0"W DOUBLE SWING CHAIN LINK GATE. SEE DI	FTAIL			Ц	C ^	l
	A1/C-508.	- 17	0		\geq	_ Õ	
24	RELOCATED POST INDICATOR VALVE BY OTHERS. COORDINATE THOMPSON CONSTRUCTION FOR EXACT LOCATION.	WITH				REL REL	I
			PROJECT NAME		CHAPARRA	SC PORTABL	
			IFW				B B
				+			
	EGEND		LOT REVISION				DESCRIPTION
_	SD EXISTING 18" STORM DRAIN		ARKINC				
	2" ASPHALT PAVEMENT		/15 P	+			
	3" ASPHALT PAVEMENT		04/14				DA:
	4" PCC SIDEWALK					1460	
4	6" REINFORCED CONCRETE		DESIC DRAW	SNED F	O: BY:		JOT 1400 MJI JEM
	2" CRUSHER FINES		CHEC DATE:	KED B	γ: -	FE	MJI EB 2015
	6" REINFORCED PCC		Sh⊏∟	T III - G		INIC &	
-	HIGH MESA CONSULTING GRADING LIMITS		 [) RA		GE PLA	۸N
	PROPOSED 5'-0"H CHAIN LINK FENCE			-		-	
,	X PROPOSED WORK COMPLETED BY THOMPSON CONSTRUCTION		SHEE	T NO:)-1	06F	२



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GENERAL SHEET NOTES

- 1. CONTRACTOR SHALL VERIFY LOCATION OF EXISTING UTILITIES. LOCATION ON THESE PLANS ARE APPROXIMATE.
- 2. SEE SHEET C-504 FOR UTILITY CONNECTION DETAILS.
- 3. CONNECTION TO EXISTING UTILITY LINES SHALL BE COORDINATED WITH SAL WAR, APS PORTABLE MANAGER @ 505.975.5965.
- 4. LAYOUT OF PROPOSED UTILITIES SHALL BE COORDINATED WITH SAL WAR, APS PORTABLE MANAGER @ 505.975.5965.
- 5. WATER LINES SHALL HAVE A MINIMUM 30" BURY.
- GAS LINES SHALL HAVE A MINIMUM 18" BURY.
 2" GAS SHALL BE PROVIDED FROM EXISTING BUILDING UP TO RISER.
 1" GAS SHALL BE PROVIDED FROM RISER TO PORTABLES.





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G	ENER	AL SHEET NO	DTES						Ľ.	
1.	FOR ADD SHALL RE EROSION	ITIONAL EROSION CONTR EFER TO HIGH MESA ERO & SEDIMENT CONTROL P	OL REQUIREMENTS, THE CONTRACT SION & SEDIMENT CONTROL PLAN & LAN NOTES & DETAILS .	TOR §			& COMPANY	4900 LANG AVE. NE ALBUQUERQUE, NM 87109	PHONE: 505-348-4000 FAX: 505-348-4055 FIRST FLOOR FAX: 505-348-4155 SECOND FLOO	www.wilsonco.com
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<u> </u>	KEYN EXISTING I NOTES & D PROPOSEI NOTES & D	IOTES NLET PROTECTION. SEE DETAILS. D INLET PROTECTION. SEE DETAILS.	EROSION & SEDIMENT CONTROL PL	AN 2LAN	PROJECT NAME		CHAPARRAL ELEMENTARY			
										BΥ
										DESCRIPTION
LE	GENI	0								
		FLOW DIRECTION								DATE
	[]	PROPOSED INLET PROT	ECTION							EV.
	()	EXISTING INLET PROTEC	CTION		PROJ DESIC DRAV CHEC DATE	ECT NO GNED B VN BY: KED B	D: BY: Y:	1.	460011	400 MJI IEM MJI 015
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DETECTABLE WARNING SURFACE SEE DETAIL THIS SHEET .0<u></u>

CONSTRUCTION NOTES WHEN ABUTTING TO VERTICAL WALLS, BENCHES OR BUILDINGS, INSTALL 1/2" BITUMINOUS EXPANSION JOINT. RECESS 1/4" VERTICALLY. INSTALL SIKA-FLEX POLYMER SEALANT OR APPROVED EQUAL PER SECTION 107 (TYP).

- 2 INSTALL CONTRACTION JOINTS @ 6'-0" OC
- 3 LIGHT BROOM FINISHED CONCRETE SURFACE REQUIRED.

PERPENDICULAR CURB RAMP

THE NOTES BELOW REFERENCE THE "PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG)" DATED JULY 26, 2011. REFER TO THIS DOCUMENT TO ATTAIN ALL APPLICABLE SCENARIOS AND ADVISORIES. SEE WWW.ACCESS-BOARD.GOV FOR ADDITIONAL

DETECTABLE WARNING SURFACES SHALL CONSIST OF TRUNCATED DOMES ALIGNED IN A SQUARE OR RADIAL GRID PATTERN.

THE TRUNCATED DOMES SHALL HAVE A BASE DIAMETER OF 23 MM (0.9 IN) MINIMUM AND 36 MM (1.4 IN) MAXIMUM, A TOP DIAMETER OF 50 PERCENT OF THE BASE DIAMETER MINIMUM AND 65 PERCENT OF THE BASE DIAMETER MAXIMUM, AND A HEIGHT OF 5 MM (0.2

THE TRUNCATED DOMES SHALL HAVE A CENTER-TO-CENTER SPACING OF 41 MM (1.6 IN) MINIMUM AND 61 MM (2.4 IN) MAXIMUM, AND A BASE-TO-BASE SPACING OF 17 MM (0.65 IN) MINIMUM, MEASURED BETWEEN THE MOST ADJACENT DOMES.

CONTRAST. DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT GUTTER, STREET OR HIGHWAY, OR PEDESTRIAN ACCESS ROUTE SURFACE, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT.

DETECTABLE WARNING SURFACES SHALL EXTEND 610 MM (2.0 FT) MINIMUM IN THE DIRECTION OF PEDESTRIAN TRAVEL. AT CURB RAMPS AND BLENDED TRANSITIONS, DETECTABLE WARNING SURFACES SHALL EXTEND THE FULL WIDTH OF THE RAMP RUN (EXCLUDING ANY FLARED SIDES), BLENDED TRANSITION, OR TURNING SPACE. PERPENDICULAR CURB RAMPS. ON PERPENDICULAR CURB RAMPS, DETECTABLE WARNING SURFACES SHALL BE PLACED AS FOLLOWS:

1 WHERE THE ENDS OF THE BOTTOM GRADE BREAK ARE IN FRONT OF THE BACK OF CURB, DETECTABLE WARNING SURFACES SHALL BE PLACED AT THE BACK OF CURB.

2 WHERE THE ENDS OF THE BOTTOM GRADE BREAK ARE BEHIND THE BACK OF CURB AND THE DISTANCE FROM EITHER END OF THE BOTTOM GRADE BRAKE TO THE BACK OF CURB IS 1.5 M (5.0 FT) OR LESS, DETECTABLE WARNING SURFACES SHALL BE PLACED ON THE RAMP RUN WITHIN ONE DOME SPACING OF THE BOTTOM GRADE BREAK.

3 WHERE THE ENDS OF THE BOTTOM GRADE BREAK ARE BEHIND THE BACK OF CURB AND THE DISTANCE FROM EITHER END OF THE BOTTOM GRADE BRAKE TO THE BACK OF CURB IS MORE THAN 1.5 M (5.0 FT), DETECTABLE WARNING SURFACES SHALL BE PLACED ON THE LOWER LANDING AT THE BACK OF CURB.

PARALLEL CURB RAMPS:

DETECTABLE WARNING SURFACES SHALL BE PLACED ON THE TURNING SPACE AT THE FLUSH TRANSITION BETWEEN THE STREET AND SIDEWALK. 2 BLENDED TRANSITIONS:

DETECTABLE WARNING SURFACES SHALL BE PLACED AT THE BACK OF CURB. WHERE RAISED PEDESTRIAN STREET CROSSINGS, DEPRESSED CORNERS, OR OTHER LEVEL PEDESTRIAN STREET CROSSINGS ARE PROVIDED, DETECTABLE WARNING SURFACES SHALL BE PLACED AT THE FLUSH TRANSITION BETWEEN THE STREET AND THE SIDEWALK.

PEDESTRIAN REFUGE ISLANDS:

DETECTABLE WARNING SURFACES SHALL BE PLACED AT THE EDGES OF THE PEDESTRIAN ISLAND AND SHALL BE SEPARATED BY A 610 MM (2.0 FT) MINIMUM LENGTH OF SURFACE WITHOUT DETECTABLE WARNINGS. PEDESTRIAN AT-GRADE RAIL CROSSINGS:

AT PEDESTRIAN AT-GRADE RAIL CROSSINGS NOT LOCATED WITHIN A STREET OR HIGHWAY, DETECTABLE WARNING SURFACES SHALL BE PLACED ON EACH SIDE OF THE RAIL CROSSING. THE EDGE OF THE DETECTABLE WARNING SURFACE NEAREST THE RAIL CROSSING SHALL BE 1.8 M (6.0 FT) MINIMUM AND 4.6 M (15.0 FT) MAXIMUM FROM THE CENTERLINE OF THE NEAREST RAIL. WHERE PEDESTRIAN GATES ARE PROVIDED, DETECTABLE WARNING SURFACES SHALL BE PLACED ON THE SIDE OF THE GATES OPPOSITE THE RAIL.

6

1 WHEN ABUTTING TO VERTICAL WALLS, BENCHES OR BUILDINGS, INSTALL 1/2" BITUMINOUS EXPANSION JOINT RECESS 1/4" VERTICALLY. INSTALL SIKA-FLEX POLYMER SEALANT OR APPROVED EQUAL PER SECTION 107 (TYP).

UNI-DIRECTIONAL CURB RAMP

2 INSTALL CONTRACTION JOINTS @ 6'-0" OC.

3 LIGHT BROOM FINISHED CONCRETE SURFACE REQUIRED.

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H		PVC RISER 45° ELBOW SEWER SERVICE
2'-8"	DETAIL A PLAN	D8 NTS 24"
4" 4" 1'-3" REMOVABLE POST	4" 2" 4" 2" 4" 2" 4" 4" DETAIL B SECTION A A	24" 24" 24" 24" 24" 24" 24" 24"
A5 REMOVABLE B	BOLLARD DETAIL	- (A8) TYPICAL CLEAN

1/4 3 1/2"

- LOCATE AROUND PIPE AS SHOWN. SIDE & BOTTOM. WELD ALL SEAMS. (PADLOCK FURNISHED BY CITY). L.
- PIPE. M. PLACEMENT OF POSTS SHOULD BE WELL AWAY FROM
- ROW LINE. TRAFFIC ENGINEERING SHOULD BE CONSULTED ON LOCATION WHEN NEAR TRAFFIC.
- N. ALIGN WITH TRAFFIC FLOW IN EASEMENTS OR BIKE
- PATH TO AVOID TRIPPING HAZARDS WITH BOX. Ρ. PIPES ARE NOT TO BE FILLED W/CONC WHEN PIPES ARE
- Q. WHEN CONNECTING BOLLARDS ARE SPECIFIED, WELD 1 1/4" NOM, SCHEDULE 40 PIPE BETWEEN BOLLARDS.

- PAVEMENT OR FINISHED GRADE. CONC COLLAR, 3000 PSI AT 28 DAYS, W/SMOOTH OR BROOM FINISH WHERE PAVEMENT IS ADJACENT. 5" NOM DIA SCHEDULE 40 GALV STEEL PIPE, 3'- 0" TO BE FILLED W/CONC. TO LEVEL SHOWN.
- 6" NOMINAL DIA. SCHEDULE 40 GALV STEEL PIPE, 2'- 8"
- PAINT PIPE BRIGHT YELLOW (REMOVABLE). F.
- (REMOVABLE).
- SLEEVE, 2'- 2" PAINT BRIGHT YELLOW, SEE NOTE NO 1 G. THIS SHEET.
- 2" WIDE REFLECTIVE TAPE, AS APPROVED BY ENGINEER, Н.
- 1/4" THICK STEEL SAFETY GUARD BOX. OPEN ON ONE
- K. 3/4" X 8" GALV HEX BOLT W/A 3/8" DIA HOLE FOR PADLOCK.
- 1/4" X 6 5/8" DIA GALV STEEL PLATE COVER, WELDED TO
- TRAFFIC ON MAJOR ROADWAYS & PREFERABLY AT THE

- STEEL CAP INSTEAD.

6

- PLY WITH BLACK NEOPRENE COVER.
- WELDS ARE TO BE GROUND SMOOTH.
- EXPOSED STEEL AND SLEEVE TO BE PAINTED WITH
- AN OIL BASE ALKYD PRIMER AND AN OIL BASE ALKYD
- 2. 3. ENAMEL TOP COAT. COLOR TO BE BRIGHT YELLOW.
- CONSTRUCTION NOTES: A. 4" NOMINAL DIA SCHEDULE 40 GALV STEEL PIPE, 5'- 2" TO BE FILLED W/CONC PAINT PIPE BRIGHT YELLOW ABOVE

- FINISHED GRADE.
- Β.
- C.

- D.

- 6" NOM DIA SCHEDULE 40 GALV STEEL PIPE, 2'- 0"

- J.

FINISHED GRADE

10

TO BUILDING

- EXISTING GAS PIPING — 1" DIELECTRIC UNION - GAS REGULATOR 1" DIELECTRIC UNION – 1" GAS COCK

- NEW 1" GAS SERVICE LINE

NOTE: FOR INFORMATION ONLY. VERIFY WITH OWNER.

TYPICAL GAS SERVICE CONNECTION

TYPICAL WATER SERVICE CONNECTION

LE CLEANOUT COLLAR **CONNECTION SECTION**

	4 A - 11 - 12 - 12 - 12 - 12 - 12 - 12 - 1
CITY OF ALB	UQERQUE
SEW	ER
MANHOLE	TYPE"C"
DWG. 2101	AUG. 1986

SINGLE LEAF GATES WILL BE USED ON OPENINGS OF 12' OR LESS. DIMENSIONS ABOVE OR BELOW GRADE LEVEL WILL BE ON

- STEEL TENSION BANDS AT 18" OR LESS OC.
- BRACE, 1 1/4" DIA, WELDED TO FRAME.

- OF FABRIC.
- Т
- BETWEEN POSTS.
- WELDED.

RESERVED

PARKING

5

ATION ARE SUBJEC

A FINE AND/OR TOWN

VAN

ACCESSIBLE

GENERAL NOTES:

PLACING OF DRAIN THRU EXIST SIDEWALK AND CURB & GUTTER 1. REQUIRES THAT ENTIRE SIDEWALK AND CURB & GUTTER BE

SIGN TYPE R7-8 (18"x12")

- sign lettering and border are green

- International Symbol of Accessibility

is white on a blue background

REQUIRED LANGUAGE per

SIGN TYPE R7-8A (12"x6")

- sign lettering and border are green

- sign field is white

NMSA 1978 66-7-352.4C

- sign field is white

- REMOVED AND REPLACED AS DETAILED HEREIN. BOTTOM SLAB OF CULVERT SHALL BE POURED MONOLITHICALLY 2. WITH NEW GUTTER.
- THE INVERT SHALL BE TROWELED TO PRODUCE A HARD POLISHED SURFACE OF MAX DENSITY AND SMOOTHNESS. INVERT SHALL BE V-SHAPED TO WITHIN 3" OF OUTLET. THEN WARPED TO PARALLEL FLOWLINE AT OUTLET, UNLESS OTHERWISE SHOWN.
- ALL EXPOSED CONC SURFACE SHALL MATCH GRADE, COLOR, FINISH AND SCORING OF ADJACENT CURB AND SIDEWALK.
- SIDEWALK REPLACED DURING CONSTRUCTION SHALL BE POURED MONOLITHICALLY WITH CULVERT WALLS. IF ROD ANCHORS ARE USED, DRILL & TAP FOR FH MACHINE SCREW.
- ATTACH ANCHORS TO PLATE AND SECURE PLATE IN PLACE PRIOR TO POURING OF WALLS.
- LENGTH OF EACH PLATE SHALL BE SUCH THAT THE WEIGHT WILL NOT EXCEED 300 LBS AND SHALL BE STRESS RELIEVED AFTER FABRICATION. CLEAN SURFACE OF PLATE AND FRAMING MEMBERS AND PAINT W/ ONE SHOP COAT RED OXIDE AND TWO FINISH COATS ALUMINUM PAINT (AASHTO M 69).
- THE CITY WILL NOT ASSUME RESPONSIBILITY FOR MAINTENANCE OF ANY SIDEWALK CULVERT INSTALLED BY OR FRO PRIVATE PROPERTY OWNERS.

CONSTRUCTION NOTES:

- MATCH NEAREST CONTROL JOINT, INSTALL $\frac{1}{2}$ " EXPANSION Α. JOINT.
- EDGE OF SIDEWALK OR SETBACK (VARIABLE). В.
- 3" RADIUS (TYPICAL). C. D. ³/₈" CHECKERED STEEL PLATE (PAINT PER NOTE 7,
- ABOVE).
- FOR SECURING PLATE USE 1" X 5" SS ROD ANCHOR, "RED HEAD MULTI-SET II SRM-38 ANCHOR" OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S INSTRUCTIONS AT MAX 24" OC, A MINIMUM OF 2 PER SIDE AND ONE WITHIN 6" OF EACH END.
- F. CONSTRUCTION JOINT IS OPTIONAL. IF USED, SPACE DOWELS AT 18" OC MAX, $1\frac{1}{2}$ " MINIMUM FROM FACE OF CONCRETE.
- G. $\frac{3}{8}$ " 16 X 1 $\frac{1}{4}$ " COUNTERSINK, FH STAINLESS STEEL, MACHINE SCREW. Η.
- SLOPE $\frac{1}{4}$ " PER FT MIN
- DRAIN WIDTH PER PLAN (12" MIN, 24" MAX).

	9	10					
1.	KEYNOTES SAWCUT NEAT LINE.				4900 LANG AVE. NE ALBUQUERQUE, NM 87109	PHONE: 505-348-4000 : 505-348-4055 FIRST FLOOR 505-348-4155 SECOND FLOOR	www.wilsonco.com
2.	REMOVE AND DISPOSE ASPHALT.			\mathbf{S}		FAX: TAX:	
3.	REMOVE AND DISPOSE CONCRET	E.				Ц	-
4.	REMOVE AND DISPOSE CURB AND	GUTTER.					
5.	REMOVE AND DISPOSE CHAIN LIN	K FENCE.					
6.	REMOVE AND DISPOSE SIDEWALK	CULVERT.					
7.	REMOVE AND DISPOSE LIGHT, PO	LE AND BASE.	ß				
8.	REMOVE AND DISPOSE SIGN AND	POST.	TAN				
9.	REMOVE AND DISPOSE TREE INCL	LUDING ROOTS.	NSUL				
10.	REMOVE AND DISPOSE INLET.		C				
11.	REMOVE AND DISPOSE 38 LF OF 1	8" PVC SD.			7-1-		
12.	REMOVE AND RELOCATE ELECTR	ICAL RISERS (BY OTHERS). SEE SHEE	т	RUFT	ALL ALL	5	
	C-103 FOR RELOCATION.	· · · ·		ц С. (Х) Ш (Щ)	204 40 2	ML EF	
13.	PROTECT EXISTING FIRE HYDRAN PROJECT SHALL BE REPAIRED OR CONTRACTOR.	T. ANY DAMAGE AS A RESULT OF THIS REPLACED IN-KIND BY THE	AL L	CCANTO O	PROF	NO/SS	
14.	CLEAR, GRUB AND DISPOSE VEGE	TATION.	SE/	5	5		
15.	REMOVE AND DISPOSE EXCESS D	IRT MATERIAL.					
LE	GEND		PROJECT NAME	CHAPARRAL ELEMEN	SCHOOL	PORIABLE RELOCAT	
							B
	APPROXIMATE DE	MOLITION LIMITS					CRIPTION
							DES
							TE
							/. DA
							RE
			PRO	JECT NO:	1	46001	1400
				IGNED BY:			MJI JEM
			CHE	CKED BY:			MJI
			DAT	E:		FEB 2	2015
			DE	EMOLITI	ON Pł	HOT	SC
			SHE		-90	1	

POWER RACK - NEW SCALE: NONE

PANEL: "WP" (NEMA 3R)	VOLTAGE: _120/240V-1Ø-3W				MAINS: 600A			AIC: 10,000	
SOURCE:	SKIRTS <u>N/A</u> FEED BOT			BOTTOM	MAIN BREAKER: 600A/2P			A/2P MOUNTING:SURFACE/RACK	
DESCRIPTION	BRKR	LOAD (VA)	CCT NO.	LOAE ØA	Ø (VA) ØB	CCT NO	LOAD (VA)	BRKR	DESCRIPTION
	4		-		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
	100A	4848	1	11148		2	6300	100A	
	2P	4848	3		11148	4	6300	2P	SEXISTING PORTABLES
	100A	6300	5	8400		6	2100	60A	
EXISTING FORTABLES	2P	6300	7		8400	8	2100	2P	NEW FORTABLE SC220
	100	4848	9	6948		10	2100	60A	
NEW PORTABLE NM003	2P	4848	11		6948	12	2100	2P	NEW PORTABLE SR29
	100	4848	13	4848		14	-	20A/1P	SPACE ONLY
NEW PORTABLES 805 & 806	2P	4848	15		4848	16	•	20A/1P	SPACE ONLY
SPACE ONLY	1P		17			18	•	20A/1P	SPACE ONLY
SPACE ONLY	1P	•	19			20	•	20A/1P	SPACE ONLY
SPACE ONLY	1P	•	21			22	•	20A/1P	SPACE ONLY
SPACE ONLY	1P	•	23			24		20A/1P	SPACE ONLY
SPACE ONLY	1P	•	25			26	•	20A/1P	SPACE ONLY
SPACE ONLY	1P	•	27			28	•	20A/1P	SPACE ONLY
SPACE ONLY	1P	•	29			30		20A/1P	SPACE ONLY
DOOR-IN-DOOF									DOOR-IN-DOOR
TOTAL CONNECTED (KVA): 62.6	ESTIM	ATED D	EMA	ND (KVA)					GROUND BUS
101/1 001/1 CONTRECTED (10/1/). 02.0	LOTIN								

- 120V-1Ø BRANCH CIRCUIT. OVERCURRENT DEVICE

KEYED NOTES 🔿

- 1. 24" x 24" x 6" NEMA 3R TERMINAL ENCLOSURE MOUNTED ON NEW UNISTRUT FRAME.
- 2. 18" x 18" x 6" NEMA 3R TERMINAL ENCLOSURE MOUNTED ON NEW UNISTRUT FRAME.
- 3. GALVANIZED UNISTRUT RACK 1 5/8" (DOUBLE).
- 4. EXISTING QUAZITE PULLBOX FOR SPECIAL SYSTEM INTERCEPTIONS TO REMAIN IN PLACE.
- 5. EXISTING SPECIAL SYSTEMS AND POWER RACK ALONG WITH EQUIPMENT TO REMAIN IN SERVICE UNTIL NEW RACK / EQUIPMENT IS INSTALLED AND ENERGIZED.
- 6. PROVIDE AND INSTALL A NEW QUAZITE PULLBOX FOR INTERCEPTION OF EXISTING CONDUITS AND SPLICING OF CONDUCTORS FOR EXISTING PORTABLE SERVICE.
- 7. (3) 1 1/4" CONDUITS EACH WITH (3) #2 AND (1) #8 GROUND TO PULLBOX PER NOTE 6 ABOVE FOR SERVICE TO EXISTING PORTABLES. PULLBOX LOCATED AT EXISTING POWER RACK LOCATION.
- 8. 2" PVC CONDUITS WITH RIGID RISERS AND ELBOWS TO EXISTING QUAZITE PULLBOXES PER NOTE 4 AT EXISTING SPECIAL SYSTEMS RACK LOCATION.
- 9. (3) 1 1/4" CONDUITS WITH (3) #2 AND (1) #8 GROUND, AND (2) 1" CONDUITS WITH (3) #6 AND (1) #8 GROUND TO NEW PORTABLES EXTENDED THROUGH PULLBOXES AS SHOWN ON SITE PLAN (SHEET E101).
- 10. NEW 150 KVA DRY-TYPE TRANSFORMER, 480V PRIMARY, 120/240V-1Ø SECONDARY NEMA 3R ENCLOSURE. PROVIDE CONCRETE PAD.
- 11. GROUND PER NEC ARITCLE 250.

12. EXTEND (3) #250 KCMIL AND (1) #2 GROUND IN A 3" CONDUIT TO EXISTING DISTRIBUTION PANEL "SDP" AND CONNECT TO A NEW 250 AMP CIRCUIT BREAKER FOR NEW SERVICE TO POWER RACK. CIRCUIT BREAKER SHALL MATCH EXISTING MANUFACTURER AND AIC RATING.

- 13. (3) #250 KCMIL AND (1) #2 GROUND IN 3" CONDUIT.
- 14. (2) 3" CONDUITS EACH WITH (3) #350 KCMIL AND (1) #2/0 GROUND.
- 15. 600V-600A-3P-4W FUSIBLE RAINTIGHT DISCONNECT SWITCH, FUSE AT 500 AMPS.
- 16. 120/240V-600A-1Ø-3W NEMA 3R PANEL. REFER TO PANEL SCHEDULE.
- 17. 3' MINIMUM CONCRETE BASE (TYPICAL).

ELECTRICAL SITE PLAN

Chaparral E.S. Portable Relocation 6325 Milne Rd MW Albuquerque, NM 87120

ANI	REVISION #	REVISION DATE:	PROJECT NUMBER:	14149AS
and the work			DRAWN BY:	JKD
			CHECK BY:	RP
6720			SCALE:	1" = 30'
			DATE:	2/18/15
			Г1	17
PROFESSIONAL DOAN] E /(JZ
14149AS				