CITY OF ALBUQUERQUE

September 18, 2015

Graeme Means, P.E. High Mesa Consulting Group 6010-B Midway Park Blvd NE Albuquerque, New Mexico 87109

RE: Jefferson Mid. School Phase 1 Music Room Addition 712 Girard SE Grading and Drainage Plan Engineer's Stamp Date 8-22-2015 (J16D007)

Dear Mr. Means,

Based upon the information provided in your submittal received 8/27/15, this plan dated 8/22/15 will now be the acceptable plan for Grading Permit and Building Permit. Please attach a copy of this approved plan to the construction sets in the permitting process prior to sign-off by Hydrology.

Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

Albuquerque

PO Box 1293

If you have any questions, please contact me at 924-3999 or Rudy Rael at 924-3977.

New Mexico 87103

www.cabq.gov

RR/SB C: File

Sincerely,

Shahab Biazar, P.E. City Engineer, COA Planning Department



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

Project Title:	Building Permit #:	City Drainage #:
DRB#: EPC#:		Work Order#:
Legal Description:		
City Address:		
Engineering Firm:		Contact:
Address:		
Phone#: Fax#:		E-mail:
Owner:		Contact:
Address:		
Phone#: Fax#:		E-mail:
Architect:		Contact:
Address:		
Phone#: Fax#:		E-mail:
Surveyor:		Contact:
Address:		
Phone#: Fax#:		E-mail:
Contractor:		Contact:
Address:		
Phone#: Fax#:		E-mail:
TYPE OF SUBMITTAL:	CHECK TYPE OF APPROV	AL/ACCEPTANCE SOUGHT:
DRAINAGE REPORT (DMP)	SIA/FINANCIAL GUARAN	TEE RELEASE
DRAINAGE PLAN 1st SUBMITTAL	PRELIMINARY PLAT APPI	ROVAL
DRAINAGE PLAN RESUBMITTAL	S. DEV. PLAN FOR SUB'D	APPROVAL
CONCEPTUAL G & D PLAN	S. DEV. FOR BLDG. PERMI	IT APPROVAL
GRADING PLAN	SECTOR PLAN APPROVAL	_
EROSION & SEDIMENT CONTROL PLAN (ESC)	FINAL PLAT APPROVAL	
ENGINEER'S CERT (HYDROLOGY)	CERTIFICATE OF OCCUPA	ANCY (PERM)
CLOMR/LOMR	CERTIFICATE OF OCCUPA	ANCY (TCL TEMP)
TRAFFIC CIRCULATION LAYOUT (TCL)	FOUNDATION PERMIT AP	PROVAL
ENGINEER'S CERT (TCL)	BUILDING PERMIT APPRO	DVAL
ENGINEER'S CERT (DRB SITE PLAN)	GRADING PERMIT APPRO	VAL SO-19 APPROVAL
ENGINEER'S CERT (ESC)	PAVING PERMIT APPROV	AL ESC PERMIT APPROVAL
SO-19	WORK ORDER APPROVAL	ESC CERT. ACCEPTANCE
OTHER (SPECIFY)	GRADING CERTIFICATION	N OTHER (DMP)
WAS A PRE-DESIGN CONFERENCE ATTENDED:	Yes No Co	ppy Provided
DATE SUBMITTED:	By:	

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location, and scope to the proposed development defines the degree of drainage detail. One or more of the following levels of submittal may be required based on the following

1. Conceptual Grading and Drainage Plan: Required for approval of Site Development Plans greater than five (5) acres and Sector Plans

2. Drainage Plans: Required for building permits, grading permits, paving permits and site plans less than five (5) acres

3. Drainage Report: Required for subdivision containing more than ten (10) lots or constituting five (5) acres or more

4. Erosion and Sediment Control Plan: Required for any new development and redevelopment site with 1-acre or more of land disturbing area, including project less than 1-acre than are part of a larger common plan of development

(DRAINAGE PLAN	CALCULATIONS
	I. INTRODUCTION AND EXECUTIVE SUMMARY	I. <u>SITE CHARACTERISTICS</u> A. PRECIPITATION ZONE = <u>2</u>
	THIS PROJECT, LOCATED WITHIN THE LOWER NORTHEAST HEIGHTS OF THE ALBUQUERQUE METROPOLITAN AREA NEAR THE UNIVERSITY AREA, REPRESENTS A MODIFICATION TO AN EXISTING APS SCHOOL SITE WITHIN AN INFILL AREA. THE PROPOSED DEVELOPMENT IS COMPRISED OF A NEW SCHOOL BUILDING ADDITION, NEW MAIN COURTYARD, RELOCATED PARKING AND AN ACCESS	B. $P_{6,100} = P_{360} = 2.35$ C. TOTAL PROJECT AREA (A _T) = 613,150 SF
	DRIVE FOR DELIVERIES. THE DRAINAGE CONCEPT FOR THIS PROJECT WILL BE THE CONTINUED FREE DISCHARGE OF DEVELOPED RUNOFF TO THE ADJACENT PUBLIC STREETS OF LOMAS BLVD NE AND GIRARD BLVD	D. LAND TREATMENTS 1. EXISTING LAND TREATMENT a. [BASIN A
	NE. THIS SUBMITTAL IS MADE IN SUPPORT OF BUILDING PERMIT WITHIN THE JURISDICTION OF THE	Total Area 100,810 / 2.31 Treatment A Area
	CITY OF ALBUQUERQUE. II. PROJECT DESCRIPTION	Treatment C Area 25,950 / 0.60 Treatment D Area 46,360 / 1.06
\rangle	AS SHOWN BY THE VICINITY MAP, THE SCHOOL SITE IS LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF LOMAS AND GIRARD BOULEVARDS NE. THE SITE IS DEVELOPED AS AN ALBUQUERQUE PUBLIC SCHOOL MIDDLE SCHOOL. THE SURROUNDING AREA IS DEVELOPED,	b. BASIN B AREA (SF/AC) Total Area 512,340 / 11.76 Treatment A Area
	MAINLY SINGLE FAMILY RESIDENTIAL, MAKING THIS A MODIFICATION TO AN EXISTING SITE WITHIN AN INFILL AREA. THE SITE IS AN UNPLATTED LEASE PARCEL DATING BACK TO 1938. AS SHOWN BY PANEL 353 OF 825 OF THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAPS PUBLISHED BY FEMA FOR BERNALILLO COUNTY, NEW MEXICO, REVISED AUGUST 16, 2012,	Treatment B Area 101,430 / 2.33 Treatment C Area 124,780 / 2.86 Treatment D Area 286,130 / 6.57
	THIS SITE DOES NOT LIE WITHIN A DESIGNATED FLOOD HAZARD ZONE. FURTHER REVIEW OF THESE MAPS INDICATES THAT THIS SITE DOES NOT CONTRIBUTE RUNOFF TO A DOWNSTREAM DESIGNATED FLOOD HAZARD ZONE. THIS SITE IS SITUATED UPSTREAM FROM THE AMAFCA NORTH	2. DEVELOPED LAND TREATMENT a. BASIN A AREA (SF/AC) Total Area 100,810 / 2.31
\rangle	DIVERSION CHANNEL WHICH CROSSES BENEATH LOMAS BLVD NE IN AN UNDERGROUND BOX CULVERT APPROXIMATELY 1500 FEET WEST OF THE SITE. III. BACKGROUND DOCUMENTS	Treatment A Area Image: Constraint of the second seco
	THE PREPARATION OF THIS PLAN RELIED UPON THE FOLLOWING DOCUMENTS AND ACTIVITIES: • GRADING AND DRAINAGE PLAN FOR JEFFERSON MIDDLE SCHOOL PREPARED BY HIGH MESA	Treatment D Area 46,360 / 1.06 b. BASIN B AREA (SF/AC) Total Area 512,340 / 11.76
	CONSULTING GROUP (FORMERLY JEFF MORTENSEN & ASSOCIATES, INC) (NMPE 8547) DATED 07–09–2014 THE REFERENCED PLAN INCLUDES UPDATED DRAINAGE BASIN BOUNDARIES, CALCULATIONS AND CONDITIONS THAT ARE NOW THE EXISTING CONDITIONS FOR THIS	Treatment A Area 101,430 / 2.33 Treatment C Area 144,867 / 3.33
	PROJECT. IV. EXISTING CONDITIONS	Treatment D Area 266,043 / 6.11
	THIS SITE IS DEVELOPED AS A MIDDLE SCHOOL OPERATED AND MAINTAINED BY THE ALBUQUERQUE PUBLIC SCHOOLS (APS). THE SCHOOL SITE CONSISTS OF PERMANENT AND PORTABLE CLASSROOM BUILDINGS, PAVED PARKING AREAS AND WALKWAYS, PARENT DROP-OFF	A. <u>EXISTING CONDITION</u> 1. BASIN A a. VOLUME $E_W = (E_A A_A + E_B A_B + E_C A_C + E_D A_D)/A_T$
	DRIVE, LANDSCAPING, AND OTHER SITE IMPROVEMENTS APPLICABLE TO A MIDDLE SCHOOL SITE. AS SHOWN BY THE REFERENCED PREVIOUS PLAN THE SITE IS CHARACTERIZED BY TWO DRAINAGE BASINS, BASINS A AND B. BASIN A DRAINS TO LOMAS BLVD NE WHILE BASIN B DRAINS TO GIRARD BLVD. NE. ALL THE PROPOSED IMPROVEMENTS ARE LOCATED WITHIN BASIN B.	$E_{W} = ((2_{W}/4^{2}E_{B}, G^{2}E_{C}/6^{2}E_{D}, G^{2}/6^{2}) + (0.60^{*}1.13)$ $E_{W} = ((0.00^{*}0.53) + (0.65^{*}0.78) + (0.60^{*}1.13)$ $V_{100} = (E_{W}/12)A_{T} = (1.49/12)2.31 = 0$ b. PEAK DISCHARGE
	BASIN A IS GENERALLY CHARACTERIZED BY THE SOUTH PORTION OF THE SITE. THIS ENTIRE AREA IS DEVELOPED WITH A COMBINATION OF PERMANENT BUILDINGS, A PAVED BUS DROP-OFF LANE, AND LANDSCAPING. THE RUNOFF GENERATED BY THIS BASIN DISCHARGES	$Q_{P} = Q_{PA}A_{A} + Q_{PB}A_{B} + Q_{PC}A_{C} + Q_{PD}A_{D}$ $Q_{P} = Q_{100} = ((0.00^{*}1.56) + (0.65^{*}2.28) + (0.60^{*}3.14)$ 2. BASIN B
	TO LOMAS BLVD. NE, A FULLY DEVELOPED PUBLIC STREET WITH CURB AND GUTTER AND PERMANENT PAVING. LOMAS BLVD. NE DRAINS FROM EAST TO WEST TO OUTFALL VIA PUBLIC STORM DRAIN TO THE AMAFCA NORTH DIVERSION CHANNEL.	2. BASIN B a. VOLUME $E_W = (E_A A_A + E_B A_B + E_C A_C + E_D A_D)/A_T$ $E_W = ((0.00^{*}0.53) + (2.33^{*}0.78) + (2.86^{*}1.13))$
	 BASIN B CONSISTS OF THE CENTRAL AND NORTHERN PORTIONS OF THE SITE AND IS DEVELOPED WITH PERMANENT AND PORTABLE CLASSROOM BUILDINGS, PAVED PARKING, WALKWAYS AND TRACK, LANDSCAPING, GRASS AND BARE SOIL PLAY FIELDS, AND SCHOOL RELATED SITE IMPROVEMENTS. THIS PORTION OF THE SITE GENERALLY DRAINS FROM EAST 	$V_{100} = (E_W/12)A_T = (1.61/12)11.76 =$ b. PEAK DISCHARGE $Q_P = Q_{PA}A_A + Q_{PB}A_B + Q_{PC}A_C + Q_{PD}A_D$
	TO WEST DISCHARGING TO GIRARD BLVD. NE, A FULLY DEVELOPED PUBLIC STREET COMPLETE WITH CURB AND GUTTER AND ASPHALT PAVING. THIS PORTION OF GIRARD BLVD. NE DRAINS TO THE NORTH WHERE RUNOFF IS COLLECTED BY PUBLIC STORM DRAIN IMPROVEMENTS AT THE INTERSECTION OF GIRARD BLVD. NE AND CONSTITUTION AVENUE NE, A SUMP CONDITION.	$Q_{P} = Q_{100} = ((0.00*1.56) + (2.33*2.28) + (2.86*3.14)$ B. <u>DEVELOPED CONDITION</u> 1. BASIN A
\rangle	FROM THIS POINT, THE RUNOFF IS CARRIED WITHIN PUBLIC STORM DRAIN TO THE NETHERWOOD PARK POND WHERE IT IS DISCHARGED TO THE AMAFCA NORTH DIVERSION CHANNEL VIA THE PRINCETON PUMP STATION.	a. VOLUME $E_W = (E_A A_A + E_B A_B + E_C A_C + E_D A_D)/A_T$ $E_W = ((0.00^*0.53) + (0.65^*0.78) + (0.60^*1.13))$
	THERE ARE NEGLIGIBLE OFFSITE FLOWS DISCHARGING ONTO THE SITE FROM THE RESIDENTIAL LOTS TO THE NORTH AND EAST OF THE SCHOOL SITE. MINOR OFFSITE FLOWS POTENTIALLY ENTER FROM THE PEDESTRIAN ALLEYS THAT CONNECT THE RESIDENTIAL NEIGHBORHOOD TO THE	$V_{100} = (E_W/12)A_T = (1.49/12)2.31 =$ b. PEAK DISCHARGE $Q_P = Q_{PA}A_A + Q_{PB}A_B + Q_{PC}A_C + Q_{PD}A_D$
	SCHOOL SITE. THE ADJACENT CITY STREETS TO THE WEST AND THE SOUTH ARE BOTH TOPOGRAPHICALLY LOWER THAN THE SITE AND THEREFORE DO NOT CONTRIBUTE OFFSITE FLOWS.	Q _P = Q ₁₀₀ = ((0.00*1.56) + (0.65*2.28) + (0.60*3.14 2. BASIN B a. VOLUME
	V. DEVELOPED CONDITIONS	$E_{W} = (E_{A}A_{A} + E_{B}A_{B} + E_{C}A_{C} + E_{D}A_{D})/A_{T}$ $E_{W} = ((0.00^{*}0.53) + (2.33^{*}0.78) + (3.33^{*}1.13))$ $V_{100} = (E_{W}/12)A_{T} = (1.57/12)11.76 = 0.000$
	THE PROJECT CONSTRUCTION CONSISTS OF A NEW MUSIC CLASSROOM ADDITION, A RECONSTRUCTED COURTYARD, RELOCATED PARKING, AND A NEW ACCESS DRIVE. THE ENTIRE PROPOSED CONSTRUCTION WILL OCCUR IN BASIN B. THE NEW ACCESS DRIVE WILL	b. PEAK DISCHARGE $Q_P = Q_{PA}A_A + Q_{PB}A_B + Q_{PC}A_C + Q_{PD}A_D$ $Q_P = Q_{100} = ((0.00^{*}1.56) + (2.33^{*}2.28) + (3.33^{*}3.14))$
7	PICK UP EXISTING FLOWS THAT RUN FROM EASTERN PORTION OF THE SITE AND DRAIN NORTH TO THE EXISTING PARENT DROP OFF WHICH DRAINS WEST TO GIRARD BLVD. FROM THIS POINT, THE RUNOFF WILL FLOW NORTH WITHIN GIRARD BLVD NE TO THE EXISTING SUMP CONDITION AT THE GIRARD/CONSTITUTION INTERSECTION DESCRIBED ABOVE IN MORE DETAIL. THE RELOCATED	C. <u>COMPARISON</u> 1. BASIN A a. VOLUME
	PARKING WILL DRAIN FROM SOUTHEAST TO NORTHWEST WITH PORTIONS OF RUNOFF BEING RETAINED IN DEPRESSED LANDSCAPING LOCATED WITHIN THE PROPOSED PARKING ISLANDS. OVERFLOW FOR THIS PORTION WILL DRAIN TO THE EXISTING PARENT DROP OFF. THE NEW	$\Delta V_{100} = 12,490 - 12,490 = 0$ b. PEAK DISCHARGE $\Delta Q_{100} = 8.4 - 8.4 = 0$
	COURTYARD WILL DRAIN FROM SOUTHEAST TO NORTHWEST THROUGH A NEW PRIVATE STORM AND TRENCH DRAIN SYSTEM THAT WILL DISCHARGE INTO THE EXISTING PARKING LOT ADJACENT TO GIRARD BLVD. NE THE EXISTING LOT WILL CONTINUE TO DRAIN NORTH TO THE PARENT DROP OFF LANE AND THEN WEST INTO GIRARD BLVD NE. THE AREA SOUTH OF THE PROPOSED ADDITION	2. BASIN B a. VOLUME ΔV ₁₀₀ = 67,020 - 68,730 = -1710.00 C
	WILL CONTAIN ANY RUNOFF GENERATED BY IN THIS AREA WITH TEMPORARY PONDING UNTIL THE NEXT PHASE OF FUTURE CONSTRUCTION. THE NEGLIGIBLE OFFSITE FLOWS ENTERING THE SITE FROM THE PEDESTRIAN ALLEYS WILL NOT BE	b. PEAK DISCHARGE $\Delta Q_{100} = 44.5 - 45.2 = -0.72 C$
	BLOCKED AND WILL CONTINUE TO BE ACCEPTED AND CONVEYED THROUGH THE SITE AS IN THE EXISTING CONDITION.	
\rangle	VI. GRADING PLAN THE GRADING PLAN SHOWS THE 1.) EXISTING AND PROPOSED GRADES INDICATED BY SPOT ELEVATIONS AND CONTOURS AT 1'-0" INTERVALS, 2.) THE LIMIT AND CHARACTER OF THE	
	EXISTING AND PROPOSED IMPROVEMENTS, AND 3.) CONTINUITY BETWEEN EXISTING AND PROPOSED GRADES. THE LIMITS OF EXISTING DRAINAGE BASINS SHALL REMAIN THE SAME.	
	VII. CALCULATIONS THE CALCULATIONS CONTAINED HEREON ANALYZE THE EXISTING AND DEVELOPED CONDITIONS FOR THE 100-YEAR, 6-HOUR RAINFALL EVENT. THE PROCEDURE FOR 40 ACRE AND SMALLER	
	BASINS, AS SET FORTH IN THE REVISION OF SECTION 22.2, HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL, VOLUME 2, DESIGN CRITERIA, DATED JANUARY 1993, HAS BEEN USED TO QUANTIFY THE PEAK RATE OF DISCHARGE AND VOLUME OF RUNOFF GENERATED. AS DEMONSTRATED BY THESE CALCULATIONS, THE PROPOSED IMPROVEMENTS WILL RESULT IN A	
В	SLIGHT DECREASE IN THE DEVELOPED RUNOFF GENERATED BY BASIN B OF THE JEFFERSON MIDDLE SCHOOL SITE. VIII. CONCLUSIONS	
ĺ	THE FOLLOWING CONCLUSIONS HAVE BEEN ESTABLISHED AS A RESULT OF THE EVALUATIONS CONTAINED HEREIN:	
	 THE PROPOSED IMPROVEMENTS REPRESENT MODIFICATIONS TO AN EXISTING SITE WITHIN AN INFILL AREA THE PROPOSED IMPROVEMENTS WILL MAINTAIN AND NOT ALTER THE EXISTING DRAINAGE 	
	PATTERNS OF THE SITE. 3. THE FREE DISCHARGE OF DEVELOPED RUNOFF TO THE ADJACENT CITY STREETS IS CONSISTENT WITH THE PREVIOUSLY APPROVED PLANS FOR THE SCHOOL SITE. 4. THE PROPOSED IMPROVEMENTS WILL RESULT IN A NET DECREASE IN THE DEVELOPED	
	RUNOFF GENERATED BY THIS SITE. 5. THE PROPOSED IMPROVEMENTS WILL RESULT IN A SLIGHT DECREASE IN THE DEVELOPED RUNOFF GENERATED BY BASIN B.	/
\	 6. THE PROPOSED IMPROVEMENTS WILL NOT ADVERSELY IMPACT DOWNSTREAM PROPERTIES OR DOWNSTREAM DRAINAGE CONDITIONS. 7. THE PROPOSED IMPROVEMENTS WILL NOT BLOCK POTENTIAL OFFSITE FLOWS 	
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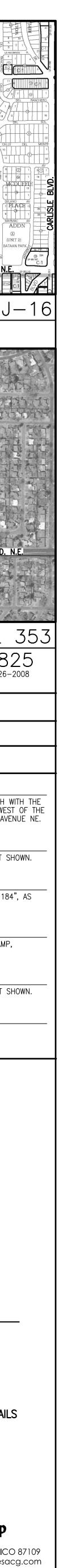
	GENERAL NOTES:	LEGEND	
	 ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION – 1987, PUBLISHED BY THE NEW MEXICO CHAPTER AMERICAN PUBLIC WORKS ASSOCIATION. (REVISED 12/06) 	ACU AIR CONDITIONING UNITSD PROPOSED STORM D ARM TRAFFIC MAST ARM & PROPOSED INFILTRAT ASPH ASPHALT PROPOSED STORM IN	
- D SF B AC	 TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 811, FOR DESIGNATION (LINE-SPOTTING) OF EXISTING PUBLIC UTILITIES AND EXISTING UTILITIES OWNED AND OPERATED BY ALBUQUERQUE PUBLIC SCHOOLS. 	BBG BASKETBALL GOAL BOH BUILDING OVERHANG BR BIKE RACK BR BIKE RACK BR BIKE RACK	DRAIN MANHOLE
(SF/ AC)	3. UTILITY INFORMATION SHOWN HEREON IS BASED UPON ONSITE SURFACE EVIDENCE. IN ADDITION, UTILITY LINE-SPOTS WERE REQUESTED VIA NEW MEXICO ONE CALL SERVICE (TICKET NO. 2012443046) AND UTILITY LINE-SPOTS WERE PROVIDED BY ONPOINT UTILITY LOCATING SERVICES, SITE UTILITY REPORT DATED	C&G CURB AND GUTTER C/PM COMMUNICATION LINE BY PAINT MARK CB CONCRETE BENCH CC CONCRETE CURB CC CONCRETE CURB	
0 / 2.31 % 0 / 0.65 28	11-06-2012. IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE DRAWINGS, THEY ARE SHOWN OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE	CCNDCOMMUNICATIONSCONDUITSANITARYSEWERMACFLANDSCAPINGCRUSHERFINESImage: Conduct of the second sec	
0 / 0.60 26 0 / 1.06 46 (SF/ AC)	BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS CONDUCTED ONLY PRELIMINARY INVESTIGATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THIS INVESTIGATION IS NOT CONCLUSIVE, AND MAY NOT BE COMPLETE, THEREFORE, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFORE. THE CONTRACTOR SHALL	CLD CENTERLINE DOOR CLDD CENTERLINE DOUBLE DOOR CLF CHAIN LINK FENCE CLN CONCRETE LANDING CLN CONCRETE LANDING CLN CONCRETE LANDING CLN CONCRETE LANDING CLN CONCRETE LANDING	
D / 11.76 %	INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING	CMH COMMUNICATIONS MANHOLE PROPOSED SINGLE C CMS CONCRETE MOW STRIP EXISTING WATER SER CND ELECTRIC CONDUIT PROPOSED WATER SER CO CLEANOUT EXISTING WATER LINE	
0 / 2.33 20 0 / 2.86 24 0 / 6.57 56	EXCAVATION, THE CONTRACTÓR SHALL ĆOMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES. 4. SHOULD A CONFLICT EXIST BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ARCHITECT IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM	COLCONCRETECOLUMNPROPOSEDWATERLICONCCONCRETESASEXISTINGSANITARYSASCONEXCONEXSTORAGEBOXSASPROPOSEDSANITARY	INE SEWER LINE
(SF/AC)	AMOUNT OF DELAY FOR ALL PARTIES. 5. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION. 6. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND	CPB COMMUNICATION PULLBOX ——F—P— EXISTING FIRE LINE CPT CONCRETE PICNIC TABLE ——F—P— PROPOSED FIRE LINE CR COMMUNICATIUONS RISER ——F—P— EXISTING POST INDIC CRD CONCRETE RUNDOWN — —	
0 / 0.65 28 0 / 0.60 26	LOCAL LAWS, RULES AND REGULATIONS CONCERNING SAFETY AND HEALTH. 7. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY.	CRWCONCRETERETAINING WALLPROPOSEDPOSTINECSCONCRETESTEPSINVINVERTINVERTCSPBUILDINGCRAWLSPACEENTRANCETATOPOFASPHALTPACSWCONCRETESIDEWALKTATOPOFASPHALTPA	$(D3) \xrightarrow{\text{SCALE: 1" = 750'}}$
0 / 1.06 46 (SF/ AC)	 THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET. CONTRACTOR SHALL NOTIFY THE ARCHITECT NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO ENSURE THE PRESERVATION OF SURVEY 	CWCONCRETE WALLTCTOP OF CURBD/PCONCRETE DRIVE PADTGTOP OF GRATEDCODOUBLE CLEANOUT+ 20.05EXISTING SPOT ELEV	
0 / 11.76 % 0 / 2.33 20 7 / 3.33 28	MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE ENGINEER. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY	DPDELINEATOR POST E/PM● 14.00PROPOSED SPOT ELI EXISTING FLOWLINEEAEDGE OF ASPHALT EBB● 14.00● 14.00● ROPOSED SPOT ELI EXISTING FLOWLINEEBBELECTRIC BREAKER BOX● 14.00● ROPOSED SPOT ELI ● NOPOSED FLOWLINE	
3/ 6.11 52	MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. 10. ALL PAVEMENT MARKINGS AND TRAFFIC SIGNS SHALL COMPLY WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION,	ECABELECTRIC CABINET4920EXISTING CONTOUREMELECTRIC METER20PROPOSED CONTOUREOELECTRIC OUTLETFROMOSED CONTOUR	דרו לול אי אי אלאירי אים בין אין אין אין אין
	11. IF THE REMOVAL OF EXISTING CURB AND GUTTER, SIDEWALK, AND/OR PAVING IS REQUIRED, THE CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT. WHEN ABUTTING NEW PAVEMENT TO EXISTING, THE	EV ELECTRIC VAULT FH FIRE HYDRANT FL FLOWLINE	N OF FLOW
(8) + (0.60*1.13) + (1.06*2.12))/2.31 = 1.49 IN 2.31 = 0.2868 AC-FT = 12,490 CF	CONTRACTOR SHALL CUT BACK THE EXISTING PAVING TO A STRAIGHT LINE IN ORDER TO REMOVE ANY BROKEN OR CRACKED PAVEMENT. CURB AND GUTTER AND/OR PAVEMENT SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT AND WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.	FLC FIRE LINE CONNECTION FLV FIRE LINE VALVE G/PM GAS LINE BY PAINT MARK GA GUY WIRE ANCHOR	E Chybr Albuquerque
A _D (8) + (0.60*3.14) + (1.06*4.7)) = 8.4 CFS	12. A DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL (CONTAMINATED OR OTHERWISE), ASPHALTIC PAVING, CONCRETE PAVING, ETC. SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE REGULATIONS. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND IN HAUL THERETO SHALL BE	GAS/CT GAS LINE CATHODIC PROTECTION	
	CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT SHALL BE MADE. 13. A BORROW SITE FOR IMPORT MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE REGULATIONS. ALL COSTS INCURRED IN OBTAINING A BORROW SITE AND IN HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT SHALL BE MADE.	GS GAS SERVICE GT GATE GV GRAVEL GVB GAS VALVE BOX	
(8) + (2.86*1.13) + (6.57*2.12))/11.76 = 1.61 IN 1.76 = 1.5778 AC-FT = 68,730 CF	14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SAFELY OBTAINING THE REQUIRED COMPACTION. THE CONTRACTOR SHALL SELECT AND USE METHODS WHICH SHALL NOT BE INJURIOUS OR DAMAGING TO THE EXISTING FACILITIES AND STRUCTURES WHICH SURROUND THE WORK AREAS.	HCB HANDICAPPED DOOR BUTTON HCS HANDICAPPED PARKING SIGN ICB IRRIGATION CONTROL BOX IHB IRRIGATION HOT BOX	SCHOOL SITE
A _D (8) + (2.86*3.14) + (6.57*4.7)) = 45.2 CFS	 THE CONTRACTOR SHALL CONFINE HIS WORK WITHIN THE CONSTRUCTION LIMITS IN ORDER TO PRESERVE THE EXISTING IMPROVEMENTS AND SO AS NOT TO INTERFERE WITH THE OPERATIONS OF THE EXISTING FACILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING APPROPRIATE MEANS AND METHODS TO EXCAVATE AND TRENCLE AND COD INSTALL DIDE SO AS TO NOT EXCEED DIGUT OF WAY OD FASEMENT LIMITS. AND SO AS 	INV PIPE INVERT IVB IRRIGATION VALVE BOX LSD LANDSCAPING DIVIDER	
	AND TRENCH AND/OR INSTALL PIPE SO AS TO NOT EXCEED RIGHT-OF-WAY OR EASEMENT LIMITS, AND SO AS NOT TO INTERFERE WITH OTHER UTILITIES OR IMPROVEMENTS. THIS SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE. 17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, SUPPORTING AND REPLACING, IF DAMAGED, ALL	MC/BV METER CAN WITH BIB VALVE MC/L METER CAN WITH LINE MC/V METER CAN WITH VALVE MH MANHOLE	D3 F.I.R.M. PANEL 3 SCALE: 1" = 500' OF 825
(8) + (0.60*1.13) + (1.06*2.12))/2.31 = 1.49 IN 2.31 = 0.2868 AC-FT = 12,490 CF	UTILITIES ENCOUNTERED DURING CONSTRUCTION. THIS SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE. 18. ALL DIMENSIONS AND RADII OF CURB, CURB RETURNS, AND WALLS ARE SHOWN TO THE FACE OF CURB AND/OR WALL.	MHR METAL HANDRAIL MLN METAL LANDING MLP METAL LIGHT POLE MLP/CB METAL LIGHT POLE WITH CONCRETE BASE	DATE 09-26-200
A _D (8) + (0.60*3.14) + (1.06*4.7)) = 8.4 CFS	 THE CONTRACTOR SHALL NOTIFY THE OWNER 48 HOURS PRIOR TO STRIPING SO THAT LAYOUT CAN BE VERIFIED. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE 	MPP METAL POWER POLE MR METAL RAMP MS METAL SIGN	LEGAL DESCRIPTION
'8) + (3.33*1.13) + (6.11*2.12))/11.76 = 1.57 IN	ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INTERPRETATIONS IT MAKES WITHOUT FIRST CONTACTING THE ENGINEER AS REQUIRED ABOVE. 21. WHEN APPLICABLE, CONTRACTOR SHALL SECURE, ON BEHALF OF THE OWNER AND OPERATORS, "TOPSOIL	MTC METAL TRASH CAN MTS METAL STAIRS OHC(1) OVERHEAD COMMUNICATION (# OF LINES) OHE(1) OVERHEAD ELECTRIC (# OF LINES)	JEFFERSON MIDDLE SCHOOL (UNPLATTED LEASE PARCEL)
1.76 = 1.5386 AC-FT = 67,020 CF	DISTURBANCE PERMIT" FROM THE CITY AND/OR FILE A NOTICE OF INTENT (N.O.I.) WITH THE EPA PRIOR TO BEGINNING CONSTRUCTION. 22. ALL FILL SHALL BE CLEAN, FREE FROM VEGETATION, DEBRIS, AND OTHER DELETERIOUS MATERIALS, AND SHALL	OHG OVERHEAD GAS LINE OHM OVERHEAD MAST OHW OVERHEAD WATER LINE PAT PATTERNED CONCRETE	PROJECT BENCHMARK
A _D (8) + (3.33*3.14) + (6.11*4.7)) = 44.5 CFS	NOT BE CONTAMINATED WITH HYDROCARBONS OR OTHER CHÉMICAL CONTAMINANTS. 23. ALL FILL SHALL BE COMPACTED TO A MINIMUM OF 95% ASTM D-1557 UNLESS A GREATER COMPACTION REQUIREMENT IS OTHERWISE SPECIFIED.	PB CONCRETE PARKING BUMPER PEQ PLAYGROUND EQUIPMENT PI PAINTED PARKING LOT ISLAND	AN AGRS BRASS DISK STAMPED "6–J16 1981" SET FLUSH WITH GROUND 2.0 FEET BEHIND THE BACK OF A CURB JUST WEST OF INTERSECTION OF STANFORD AVE. NE AND CONSTITUTION AVENUE
CF(NO CHANGE)	24. CAUTION: THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926, SUBPART P-EXCAVATIONS.	PLBPLASTIC BENCHPLTLANDSCAPING PLANTERPSPAINTE4D PARKING STALL STRIPEPTPICNIC TABLE	ELEVATION = 5157.858 FEET (NAVD 1988) TEMPORARY BENCHMARK #1 A P.K. NAIL W/WASHER SET IN CONCRETE SIDEWALK, NOT SHOW
CFS (NO CHANGE)	1. FOR ALL LINES 12" AND SMALLER, WATER MAIN SHALL BE PVC C-900 DR18 PIPE. DUCTILE IRON IS AN	PVPASPHALT PAVING PATCHRCPREINFORCED CONCRETE PIPERDROOF DRAINRRLANDSCAPING RIVER ROCK	ELEVATION = 5177.68 (NAVD 1988)
-1710.00 CF -2.5% (DECREASE) -0.72 CFS -1.6% (DECREASE)	ACCEPTABLE PIPE MATERIAL IN LIEU OF PVC. 2. WATER LINE SHALL HAVE A MINIMUM COVER OF 3'-O" (FINISHED GRADE TO TOP OF PIPE). EXTRA DEPTH TRENCHING, IF REQUIRED, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.	RRT LANDSCAPING RAILROAD TIES SAS SANITARY SEWER SAS/PM SANITARY SEWER BY PAINT MARK	A #5 REBAR W/CAP STAMPED "HMCG CONTROL NMPS 11184", A NOT SHOWN. ELEVATION = 5185.96 (NAVD 1988)
	 3. IN ACCORDANCE WITH SECTION 801 OF THE "STANDARD SPECIFICATIONS", METALIZED DETECTABLE WARNING TAPE SHALL BE INSTALLED 18" ABOVE ALL PVC PIPE INSTALLED ON THIS PROJECT. 4. JOINT RESTRAINT SHALL BE CONSIDERED INCIDENTAL TO WATER LINE CONSTRUCTION THEREFORE NO SEPARATE 	SCSWAMP COOLERSDSTORM DRAINSDMHSTORM DRAIN MANHOLESDPSERVICE DROP POLESGPSTEEL GUARD POST	TEMPORARY BENCHMARK #3 A CHISELED "X" ON CONCRETE CURB OF WHEELCHAIR RAMP, NOT SHOWN.
	PAYMENT WILL BE MADE. 5. JOINT RESTRAINT SHALL BE PROVIDED ON ALL JOINTS OF FIRE LINES. 6. FOR THE PURPOSES OF THIS PROJECT, ALL RESTRAINED JOINTS AND JOINT RESTRAINT SHALL BE MECHANICALLY	SGP STEEL GUARD POST SIG TRAFFIC SIGNAL SP STEEL POLE ST STEEL	ELEVATION = 5186.89 (NAVD 1988) TEMPORARY BENCHMARK #4
	 RESTRAINED. JOINT RESTRAINT LENGTH'S SPECIFIED HEREON ARE THE LENGTHS TO BE RESTRAINED EACH SIDE OF THE FITTING. 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING APPROPRIATE MEANS AND METHODS TO EXCAVATE AND TRENCH AND INSTALL PIPE SO AS TO NOT EXCEED RIGHT-OF-WAY OR EASEMENT LIMITS, AND SO AS NOT 	STW STUCCO WALL SVP STEAM VENT PIPE SW SIDEWALK	A P.K. NAIL W/WASHER SET IN CONCRETE SIDEWALK, NOT SHOW ELEVATION = 5176.12 (NAVD 1988) TEMPORARY BENCHMARK # 5
	 TO INTERFERE WITH OTHER UTILITIES. THIS SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE. 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, SUPPORTING AND REPLACING, IF DAMAGED, ALL OTHER UTILITIES ENCOUNTERED DURING CONSTRUCTION. THIS SHALL BE CONSIDERED INCIDENTAL TO 	SYSPAINTED SOLID YELLOW STRIPETATOP OF ASPHALTTCTOP OF CURB	A CHISELED "X" ON CONCRETE SIDEWALK, AS SHOWN ON SHEET 1-CP101. ELEVATION = 5183.42 (NAVD 1988)
	TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE. 9. NEW WATER LINE INSTALLATIONS SHALL INCLUDE INSULATED 12 GAUGE COPPER TRACER WIRE INSTALLED CONTINUOUSLY ALONG THE PIPE WITH WATER-PROOF SPLICE BOXES AT JUNCTIONS AND TEES. TRACER WIRE	TCCTRAFFIC CONTROL CABINETTCOTOP OF CONCRETETDSWCONCRETE TURNDOWN SIDEWALKTECONCRETE TRASH ENCLOSURE	
	SANITARY SEWER CONSTRUCTION NOTES:	TGTOP OF GRATETMBTRAFFIC MAST BASETPBTRAFFIC PULLBOXTRNELECTRIC TRANSFORMER	
	 ALL SEWER PIPE SHALL BE PVC (DWV). SLOPES SHOWN ARE BASED ON TRUE DISTANCES. 	TS TRAFFIC SIGN TW TOP OF WALL TYP TYPICAL	
	3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING APPROPRIATE MEANS AND METHODS TO EXCAVATE AND TRENCH AND INSTALL PIPE SO AS TO NOT EXCEED RIGHT-OF-WAY OR EASEMENT LIMITS, AND SO AS NOT TO INTERFERE WITH OTHER UTILITIES. THIS SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.	UNK UNKNOWN VCP VITRIFIED CLAY PIPE VG CONCRETE VALLEY GUTTER WCR CONCRETE WHEELCHAIR RAMP	
	 THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, SUPPORTING AND REPLACING, IF DAMAGED, ALL OTHER UTILITIES ENCOUNTERED DURING CONSTRUCTION. THIS SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE. 	WDFWOOD FENCEWFWATER FAUCETWFTWATER FOUNTAINWGTWOOD GATE	
	5. NEW SANITARY SEWER LINE INSTALLATIONS SHALL INCLUDE INSULATED 12 GAUGE COPPER TRACER WIRE INSTALLED CONTINUOUSLY ALONG THE PIPE WITH WATER-PROOF SPLICE BOXES AT JUNCTIONS AND TEES. TRACER WIRE SHALL BE ACCESSIBLE AT ALL CLEANOUTS AND SERVICES. TRACER WIRE INSTALLATION SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, TH <u>E</u> REFORE, NO SEPARATE PAYMENT WILL BE MADE.	WHB WATER HOT BOX WIF WROUGHT IRON FENCE WL WATER LINE	
	NATURAL GAS CONSTRUCTION NOTES:	WL/PM WATER LINE BY PAINT MARK WLP WOOD LIGHT POLE WMB WATER METER BOX WPP WOOD POWER POLE	
	 ALL NATURAL GAS LINES SHALL BE INSTALLED USING PIPE AND FITTING MATERIALS PER PLUMBING SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING APPROPRIATE MEANS AND METHODS TO EXCAVATE AND TRENCH AND INSTALL PIPE SO AS TO NOT EXCEED PICKT OF WAY OF EASEMENT LIMITS AND SO AS NOT 	WV WATER VAULT WVB WATER VALVE BOX SHEET	DESCRIPTION
	AND TRENCH AND INSTALL PIPE SO AS TO NOT EXCEED RIGHT-OF-WAY OR EASEMENT LIMITS, AND SO AS NOT TO INTERFERE WITH OTHER UTILITIES. THIS SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE. 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, SUPPORTING AND REPLACING, IF DAMAGED, ALL	0.5'Ø TREE TRUNK DIAMETER	CO01 CIVIL COVER SHEET
	OTHER UTILITIES ENCOUNTERED DURING CONSTRUCTION. THIS SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE. 4. NEW NATURAL GAS INSTALLATIONS SHALL INCLUDE INSULATED 12 GAUGE COPPER TRACER WIRE INSTALLED CONTINUOUSLY ALONG THE PIPE WITH WATER-PROOF SPLICE BOXES AT JUNCTIONS AND TEES. TRACER WIRE		CP101 PAVING SITE PLAN CP501 PAVING SECTIONS AND DETAILS
	SHALL BE ACCESSIBLE AT ALL VALVES AND RISERS. TRACER WIRE INSTALLATION SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.	- SM2 1-0	CG101 GRADING PLAN CU101 SITE WATER AND SANITARY SEWER SITE PLAN CUE01 WATER AND SANITARY SEWER SECTIONS AND DETAILS
	HDPE PIPE CONSTRUCTION NOTES: 1. HDPE PIPE AND FITTINGS SHALL MEET THE REQUIREMENTS OF AASHTO M 294 TYPE S FOR HDPE STORM DRAIN SYSTEMS.	SMALL CONIFEROUS TREE	CU501 WATER AND SANITARY SEWER SECTIONS AND DETAILS
	 JOINTS SHALL BE WATERTIGHT IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM D3212. THE SPIGOTS SHALL HAVE O-RING GASKETS MEETING THE REQUIREMENTS OF ASTM F 477. THE CONTRACTOR'S PROJECT SUPERINTENDENT AND FOREMAN OF THE PIPE-LAYING CREW SHALL SUBMIT TO 	LANDSCAPING SHRUB	
	 THE OWNER A CERTIFICATE INDICATING COMPLETION OF AN ON-LINE TRAINING PROGRAM OFFERED BY ADS (ADS-PIPE.COM) OR OTHER MANUFACTURER AS APPROVED BY THE OWNER. 4. INSTALLATION SHALL BE IN ACCORDANCE WITH THE PIPE MANUFACTURER'S RECOMMENDATIONS. 	SMALL LANDSCAPING SHRUB	HIGH
	 ALL EXCAVATION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 701 OF THE NMAPWA STANDARD SPECIFICATIONS. THE PIPE SHALL BE BEDDED IN A FOUNDATION OF COMPACTED GRANULAR MATERIAL THAT IS FREE OF ORGANIC MATTER CLAY LUMPS AND OTHER DELETERIOUS MATTER. THIS MATERIAL SHALL EXTEND A MINIMUM OF 6 	YUCCA	MESA Consulting Group
	MATTER, CLAY LUMPS, AND OTHER DELETERIOUS MATTER. THIS MATERIAL SHALL EXTEND A MINIMUM OF 6 INCHES BELOW THE OUTERMOST CORRUGATIONS AND BE USED FOR BACKFILL UP TO A MINIMUM OF 1 FOOT ABOVE THE TOP OF PIPE. UNTIL A MINIMUM COVER OF 1 FOOT IS ATTAINED, ONLY HAND OPERATED TAMPING EQUIPMENT MAY BE USED IN THE TRENCH PRISM OVER THE PIPE.		6010-B MIDWAY PARK BLVD. NE • ALBUQUERQUE, NEW MEXICO 87 PHONE: 505.345.4250 • FAX: 505.345.4254 • www.highmesacg.c
	7. CONCRETE STRUCTURE CONNECTIONS FOR HDPE PIPE WILL REQUIRE THE USE OF A WATER STOP THAT MEETS		2014.06

EQUIPMENT MAY BE USED IN THE TRENCH PRISM OVER THE PIPE. . CONCRETE STRUCTURE CONNECTIONS FOR HDPE PIPE WILL REQUIRE THE USE OF A WATER STOP THAT MEETS THE PHYSICAL PROPERTIES OF ASTM C923. INSTALLATION SHALL BE PER MANUFACTURER'S SPECIFICATIONS.

2014.063.1

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ARCHITECTURE / DESIGN / INSPIRATION



7601 JEFFERSON NE, SUITE 100 ALBUQUERQUE, NM 87109 505.761.9700 / DPSDESIGN.ORG ARCHITECT



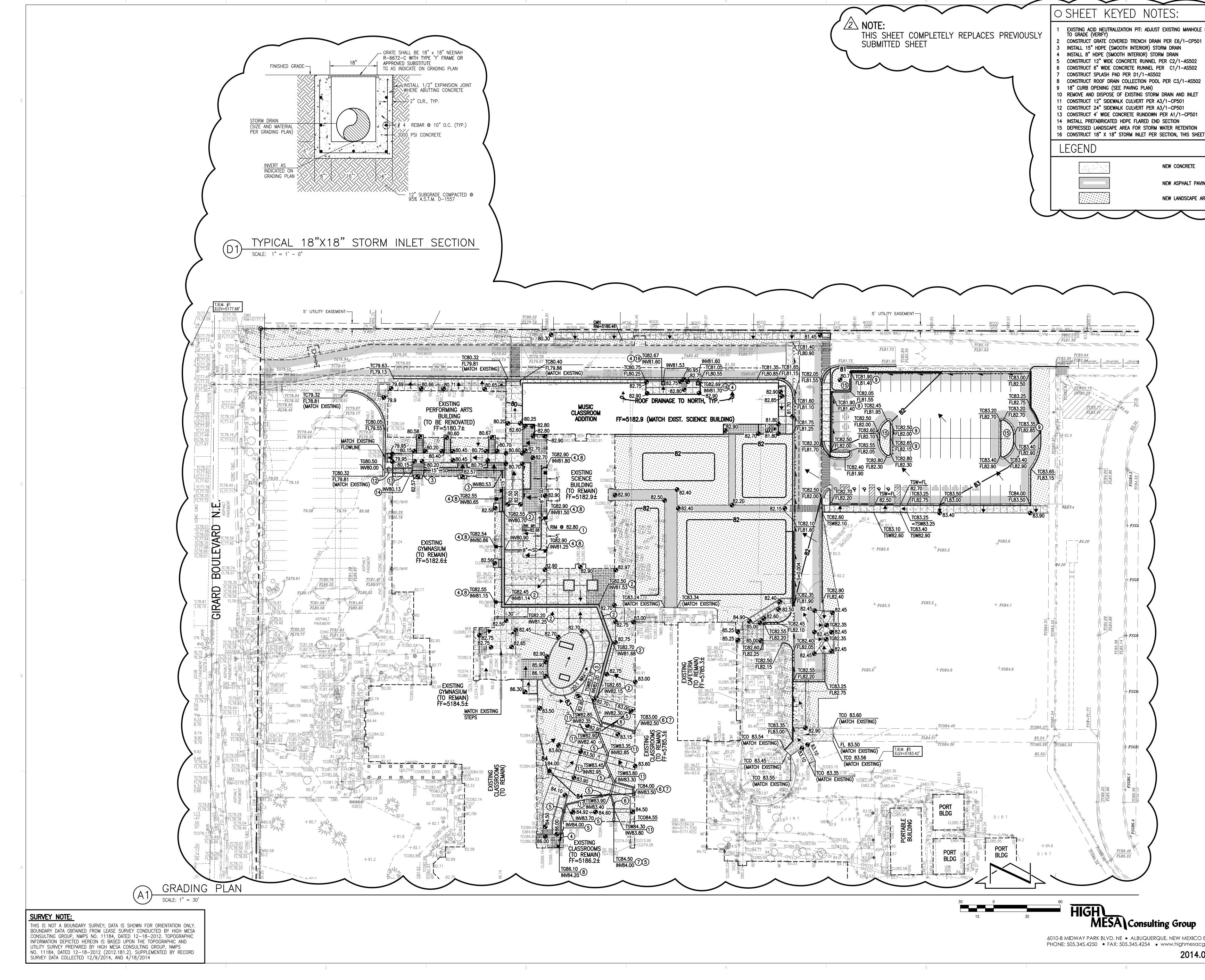


100% CONSTRUCTION DOCUMENTS

REVISIONS NOT USED ADDENDUM-002 Δ Δ Δ Δ

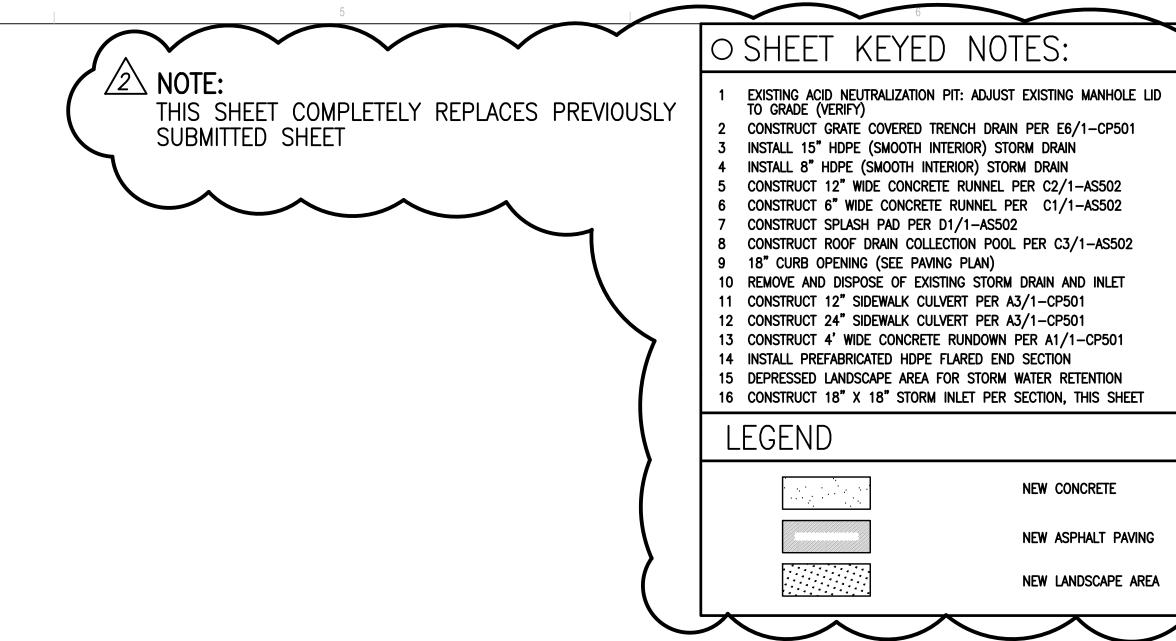
DRAWN BY	J.Y.R./S.C.C.
REVIEWED BY	G.M.
DATE	08/03/2015
PROJECT NO.	14-0033.001
DRAWING NAME	
CIVIL COVER SHEET	



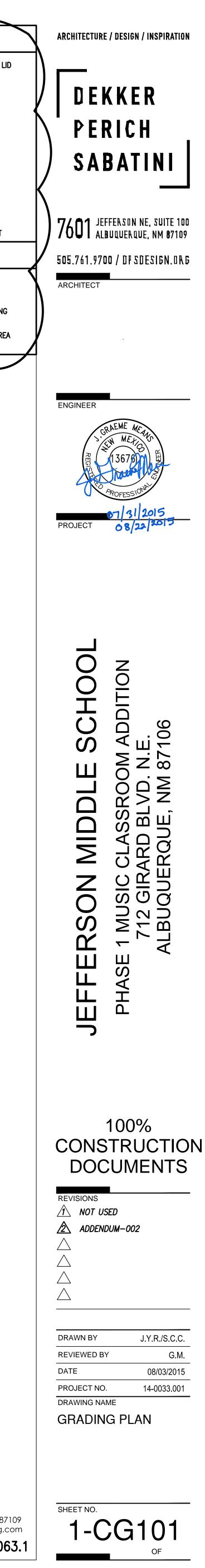


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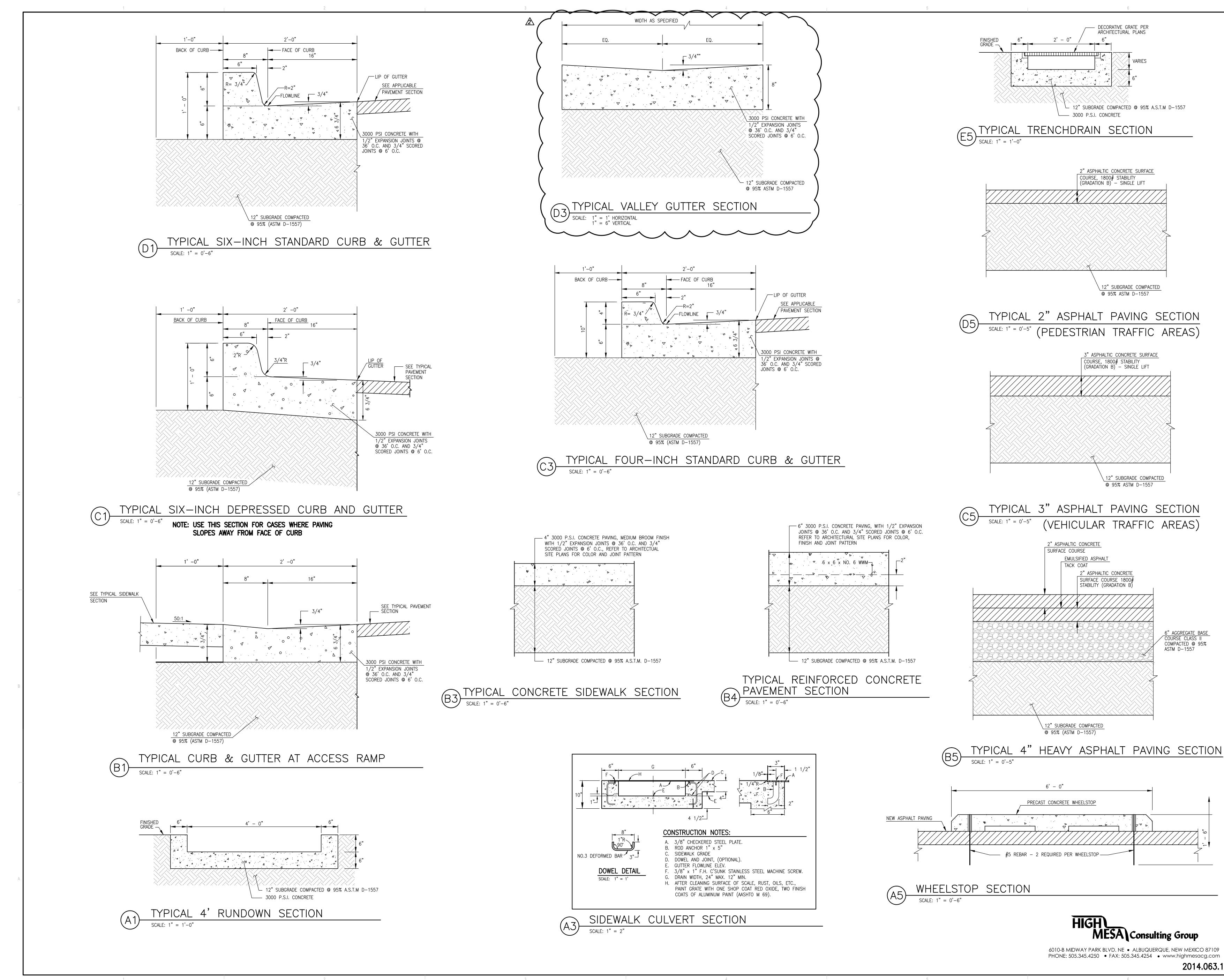
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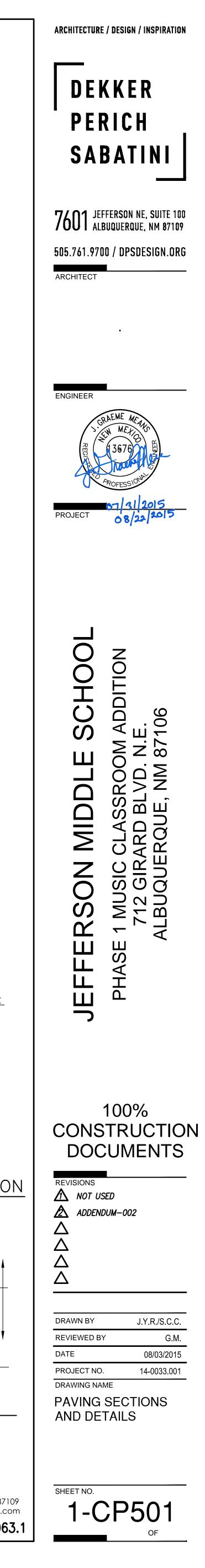


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CITY OF ALBUQUERQUE PLANNING DEPARTMENT DEVELOPMENT SERVICE / HYDROLOGY SECTION

DATE: $2^{2} \partial_{0} - 15$ <u>CONFERENCE RECAP</u>

ZONE ATLAS PAGE NO: $J/_{6}$
DRAINAGE FILE: <u>J/C 0011</u> ZONING:
DRB:
SUBJECT:
STREET ADDRESS (IF KNOWN):
SUBDIVISION NAME:
APPROVAL REQUESTED:
ATTENDANCE: Cracme Mans Custis cheme
FINDINGS:
1. A phasing plan is not require because first drainage plan will show interim condutions. 2. a DMI copidate is not require.
3. plan to manage The dirst fluck in parking Islands and courtyon's planters.
4. plan to conform to previously approved discharge rates.

THE UNDERSIGNED AGREES THAT THE ABOVE FINDINGS ARE SUMMARIZED ACCURATELY AND ARE SUBJECT TO CHANGE IF FURTHER INVESTIGATION REVEALS THAT THEY ARE NOT REASONABLE OR THAT THEY ARE BASED ON INACCURATE INFORMATION.

SIGNED: Cut a- Chin NAME (PRINT): Curtis A. Cherne

SIGNED: NAME (PRINT): Graeme

NOTE PLEASE PROVIDE A COPY OF THIS RECAP WITH YOUR DRAINAGE SUBMITTAL.