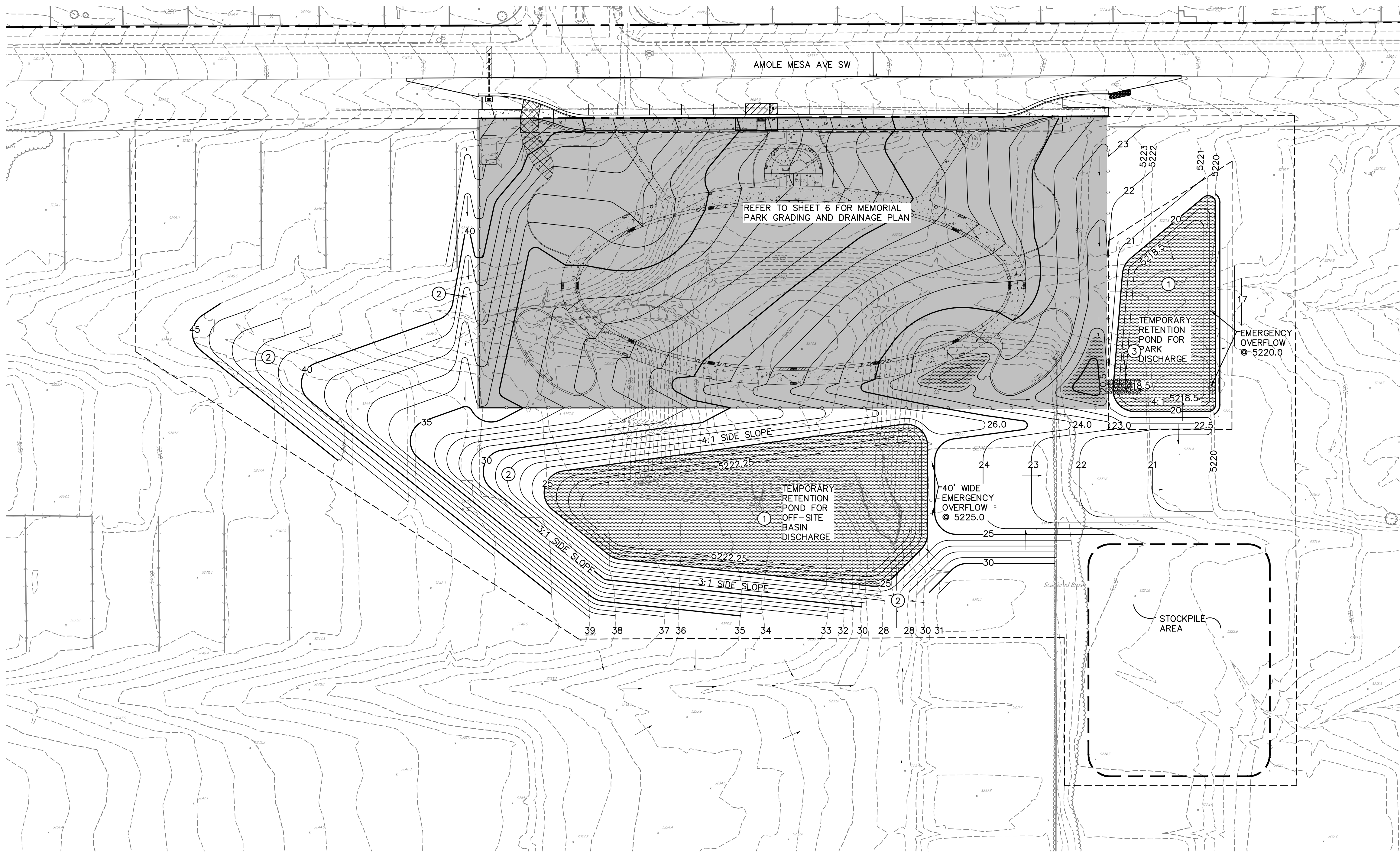


GENERAL NOTES		
<p>A. ALL WORK DETAILED ON THESE PLANS AND PERFORMED UNDER THIS CONTRACT SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE GEOTECHNICAL REPORT, WHERE APPLICABLE, CITY OF ALBUQUERQUE STANDARDS APPLY.</p> <p>B. THE CONTRACTOR SHALL ABIDE BY ALL STATE, LOCAL, AND FEDERAL LAWS, CODES, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS, INCLUDING EPA AND ADA REQUIREMENTS.</p> <p>D. ALL SUBGRADE, OVEREXCAVATION, BACKFILL, AND FILL SHALL BE PLACED AND / OR COMPACTED PER THE GEOTECHNICAL REPORT AND CITY OF ALBUQUERQUE SPECIFICATIONS.</p> <p>D. COORDINATE WORK WITH CONSTRUCTION PLAN, DEMOLITION PLAN, AND LANDSCAPE PLAN.</p> <p>E. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY HORIZONTAL AND VERTICAL EXISTING OBSTRUCTIONS, AND CONDITION OF ALL EXISTING INFRASTRUCTURE PRIOR TO CONSTRUCTION. REPORT ALL DISCREPANCIES TO THE LANDSCAPE ARCHITECT AND VERIFY THE INTENT BEFORE PROCEEDING.</p> <p>F. CONTRACTOR SHALL OBTAIN ALL REQUIRED INSPECTIONS OF THE WORK.</p> <p>G. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. ANY DAMAGE TO ADJACENT STRUCTURES RESULTING FROM THE CONSTRUCTION PROCESS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE. CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING EXISTING CONDITIONS PRIOR TO CONSTRUCTION.</p>	<p>H. CONSTRUCTION EQUIPMENT SHALL ONLY OBSTRUCT DESIGNATED TRAFFIC LANES IF APPROPRIATE BARRICADING PERMITS HAVE BEEN OBTAINED.</p> <p>I. THE CONTRACTOR SHALL MAINTAIN ALL BARRICADING AND CONSTRUCTION SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADING AT THE END AND BEGINNING OF EACH DAY.</p> <p>J. FOR ALL ACCESSIBLE ROUTES, MAXIMUM ALLOWABLE CROSS SLOPE IS 2.0% AND MAXIMUM LONGITUDINAL SLOPE CONTRA RAMP IS 5.0% FOLLOWING LOCAL ACCESSIBILITY GUIDELINES OR CITY CODES, WHICHEVER IS MORE STRINGENT.</p> <p>K. ALL TRASH, DEBRIS, & SURFACE VEGETATION SHALL BE CLEARED AND LEGALLY DISPOSED OF OFFSITE.</p> <p>L. PROPOSED SPOT AND CONTOUR ELEVATIONS SHOWN REPRESENT TOP OF FINISH MATERIAL (E.G. TOP OF CONCRETE, TOP OF PAVEMENT MATERIAL, TOP OF LANDSCAPING MATERIAL, ETC.) CONTRACTOR SHALL GRADUALLY COMPACT SUBGRADE AND DETERMINE EARTHWORK ESTIMATES BASED ON ELEVATIONS SHOWN MINUS FINISH MATERIAL THICKNESSES.</p> <p>M. EXISTING UTILITY LINES ARE SHOWN IN AN APPROXIMATE MANNER ONLY AND MAY BE INCOMPLETE OR OBSOLETE. SUCH LINES MAY OR MAY NOT EXIST WHERE SHOWN OR NOT SHOWN. CONTRACTOR SHALL CONTACT NM-811 FOR UTILITY LINE SPOTS TWO WORKING DAYS PRIOR TO CONDUCTING SITE FIELD WORK. CONTRACTOR SHALL FIELD VERIFY AND LOCATE ALL UTILITIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. 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</p>	<p>UTILITY LINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF NECESSARY DIRT UTILITY ADJUSTMENTS.</p> <p>N. A CURRENT STORMWATER CONTROL PERMIT, INCLUDING AN EROSION SEDIMENT CONTROL PLAN (E.S.C.) FOR EROSION AND SEDIMENT CONTROL IS REQUIRED FOR ALL CONSTRUCTION, DEMOLITION CLEARING, AND GRADING OPERATIONS THAT DISTURB THE SOIL ON ONE ACRE OR MORE OF LAND. OWNER WILL COORDINATE.</p> <p>O. POST-CONSTRUCTION MAINTENANCE FOR STORMWATER FACILITIES WILL BE THE RESPONSIBILITY OF THE FACILITIES OWNER.</p> <p>P. STORMWATER CONTROL MEASURES SHOWN ON THIS PLAN ARE REQUIRED TO PROVIDE MANAGEMENT OF "FIRST FLUSH" (DEFINED AS THE 90TH PERCENTILE STORM EVENT OF 0.4" OF STORMWATER WHICH DISCHARGES DIRECTLY TO A PUBLIC STORM DRAINAGE SYSTEM).</p> <p>Q. ADJUST ANY RIMS OF EXISTING UTILITY FEATURES AS NECESSARY TO MATCH NEW GRADES. UTILITIES IN PAVED AREAS SHALL BE HS-25 TRAFFIC RATED.</p> <p>R. WHERE GRADES BETWEEN NEW AND EXISTING ARE SHOWN AS 'MATCH' OR '±', TRANSITIONS SHALL BE SMOOTH.</p> <p>S. ALL EROSION PROTECTION TO BE FRACTURED FACE ROCK (F.F. ROCK) DEFINED AS 4" AVG. DIA. (2" TO 6") ANGULAR FACED ROCK PLACED OVER GEOTEX 501 NON-WOVEN GEOTEXTILE (O.E.).</p> <p>T. CONTRACTOR SHALL COMPLY WITH LOCAL REGULATIONS FOR RESEEDING OF DISTURBED AREAS. RESEEDING INSPECTION IS NOT INCLUDED AS PART OF ENGINEER'S CERTIFICATION OF SUBSTANTIAL COMPLIANCE.</p> <p>U. ENGINEER RECOMMENDS THAT OWNER MAINTAIN EROSION PROTECTION ELEMENTS THROUGHOUT CONSTRUCTION. OWNER INSPECT SITE YEARLY AND AFTER EACH RAINFALL TO IDENTIFY NEW AREAS OF EROSION AND INSTALL ADDITIONAL EROSION PROTECTION AS NEEDED BASED ON ACTUAL OCCURRENCES.</p> <p>V. MEASURES REQUIRED FOR EROSION AND SEDIMENT CONTROL SHALL BE INCIDENTAL TO THE PROJECT COST.</p> <p>W. IF CULTURAL RESOURCES, SUCH AS HISTORIC OR PREHISTORIC ARTIFACTS, OR HUMAN REMAINS ARE DISCOVERED DURING EXCAVATION OR CONSTRUCTION, WORK SHALL CEASE AND THE CONSTRUCTION ENGINEER SHALL NOTIFY THE COUNTY OFFICE OF THE MEDICAL EXAMINER AT (505) 272-3053. IF THE MEDICAL EXAMINER DETERMINES THAT HUMAN REMAINS ARE NOT PRESENT, THE CONSTRUCTION ENGINEER SHALL NOTIFY THE STATE HISTORIC PRESERVATION OFFICER (SHIP0) AT 827-6320.</p>



VICINITY MAP

EL RANCHO

GRANDE

SIERRA

RANCHO

ANDERSON

HEIGHTS

UNIT 1

BUD BRAY

1"=750'±

N-08-Z

PROPERTY: THE SITE IS A PARTIALLY DEVELOPED PUBLIC PARK PROPERTY LOCATED WITHIN C.O.A. VICINITY MAP N-08.

PROPOSED IMPROVEMENTS: THE PROPOSED IMPROVEMENTS INCLUDE ON-SITE GRADING, LANDSCAPING & OFF-SITE DRAINAGE IMPROVEMENTS.

OFF-SITE FLOW: FOR THE EXISTING CONDITIONS, FLOWS DISCHARGE INTO EXISTING INTERIM RETENTION POND LOCATED ON THE PARK PROPERTY. FOR PROPOSED CONDITIONS, ALL OFF-SITE FLOW WILL BE DIRECTED AROUND THE PARK TO A TEMPORARY RETENTION POND FOR ALL OFF-SITE BASIN DISCHARGE.

LEGAL: TRACT A-1-A & A-1-B ANDERSON HEIGHTS UNIT 4 ALBUQUERQUE, NEW MEXICO.

FLOOD HAZARD: PER BERNALILLO COUNTY FIRM MAP PANEL 0317H MAP REVISED AUGUST 16TH, 2012. THE SITE IS LOCATED WITHIN FLOODZONE 'X' DESIGNATED AS AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOODPLAIN.

ENGINEER: ÅSA M. NILSSON-WEBER: NMPE 17631
ISAACSON & ARFMAN, PA
128 MONROE NE 87108
505-268-8828

FOR ALL WORK WITHIN PUBLIC RIGHT OF WAY, SEE PWO SET.(CPN 753991) ELEVATIONS SHOWN ARE FOR INFORMATION ONLY.

1. CONSTRUCT TEMPORARY RETENTION POND AT ELEVATIONS SHOWN. SEE SHEET 7 FOR ADDITIONAL INFORMATION.
2. CONSTRUCT COMPACTED EARTH SWALE TO ALLOW FOR WATER TO DISCHARGE TO TEMPORARY RETENTION POND.
3. CONSTRUCT 8" THICK (4" AVG. DIAMETER) FRACTURED FACE ROCK EROSION PROTECTION TO EXTENTS SHOWN TO PASS PARK DISCHARGE TO BOTTOM OF RETENTION POND. SEE CG-501 FOR ANGULAR ROCK SWALE DETAIL.



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 Albuquerque, New Mexico 87108
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CITY OF ALBUQUERQUE
STRATEGIC PLANNING AND DESIGN
PARKS AND RECREATION DEPARTMENT

MEMORIAL PARK

OVERALL GRADING & DRAINAGE PLAN

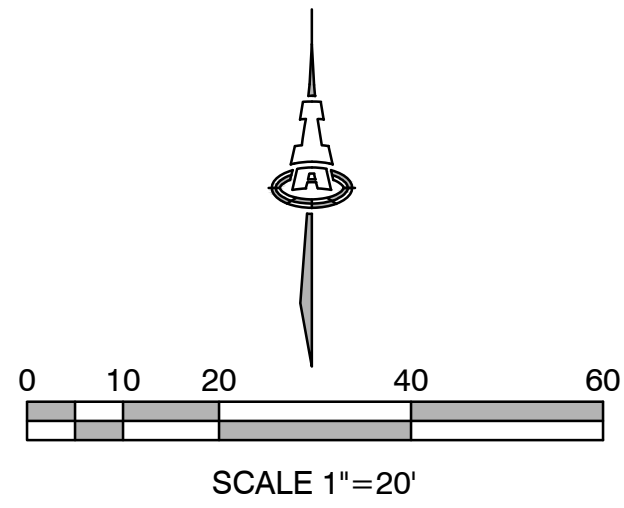
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
City Project No. 753990		Zone Map No. N-8	Sheet 5 of 18	

100% CONSTRUCTION DOCUMENTS
DATE: JANUARY 22, 2018

MEMORIAL PARK

PROJECT# 753990

RECORD DRAWINGS
DATE: XX/XX/2018



	FOR ALL WORK WITHIN PUBLIC RIGHT OF WAY, SEE PWO SET.(CPN 753991) ELEVATIONS SHOWN ARE FOR INFORMATION ONLY.
1.	CONSTRUCT PEDESTRIAN WALK AT ELEVATIONS SHOWN. ALL WALKS TO BE ADA ACCESSIBLE (5% MAX. SLOPE, 2% MAX. CROSS-SLOPE) UNLESS NOTED.
2.	CONSTRUCT FIRST FLUSH RETENTION POND AT ELEVATIONS SHOWN. INSTALL ANGLULAR ROCK TO DEFINE PERIMETER. DOT HATCHING REPRESENTS EXTENTS OF FIRST FLUSH POND AREA. SEE SHEET 7 OF 15 FOR ADDITIONAL INFORMATION.
3.	CONSTRUCT MAINTENANCE DRIVE. SEE ARCHITECTURAL PLAN FOR ADDITIONAL INFORMATION.
4.	CONSTRUCT TEMPORARY RETENTION POND. SEE SHEET 7 OF 15 FOR ADDITIONAL INFORMATION.

5221.3±

— 4957 —

◆ 27.0

— 27 —

←

EXISTING SPOT ELEVATION

EXISTING CONTOUR

PROPOSED SPOT ELEVATION

PROPOSED CONTOUR

FLOW ARROW — PROPOSED CONDITION

FIRST FLUSH RETENTION POND


EROSION PROTECTION



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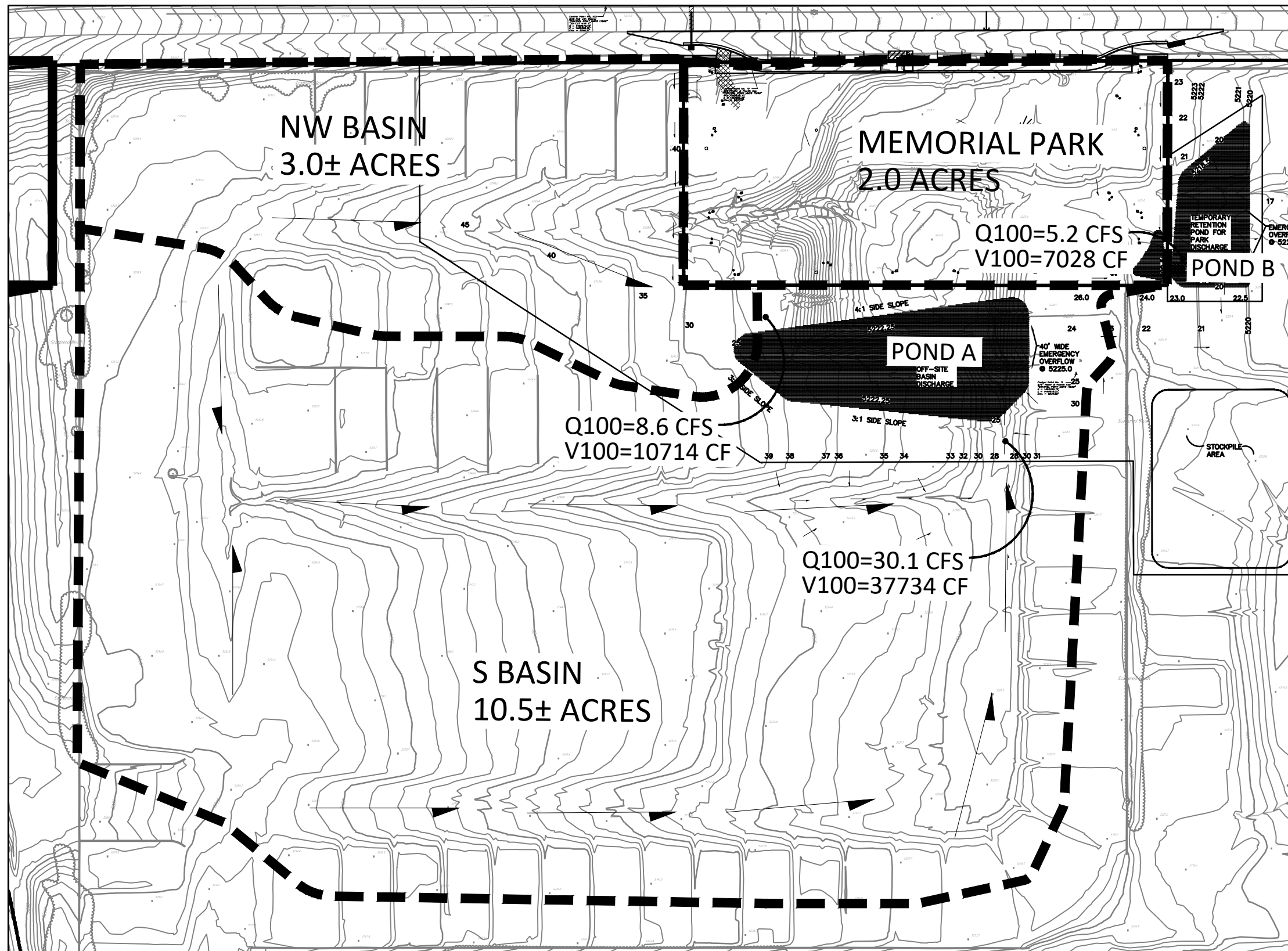
2235 CG-101.dwg Jan 22,2018

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 <div style="display: inline-block; vertical-align: middle; text-align: center;"> <p>CITY OF ALBUQUERQUE STRATEGIC PLANNING AND DESIGN PARKS AND RECREATION DEPARTMENT</p> </div>													
<p>MEMORIAL PARK</p> <p>PARK GRADING & DRAINAGE PLAN</p>													
Design Review Committee	City Engineer Approval	Last Design Update	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; padding: 5px;">Mo./Day/Yr.</th> <th style="width: 50%; padding: 5px;">Mo./Day/Yr.</th> </tr> </thead> <tbody> <tr><td style="height: 25px;"></td><td></td></tr> <tr><td style="height: 25px;"></td><td></td></tr> <tr><td style="height: 25px;"></td><td></td></tr> <tr><td style="height: 25px;"></td><td></td></tr> </tbody> </table>	Mo./Day/Yr.	Mo./Day/Yr.								
Mo./Day/Yr.	Mo./Day/Yr.												
City Project No. <div style="font-size: 1.5em; font-weight: bold; text-align: center;">753990</div>	Zone Map No. <div style="font-size: 1.5em; font-weight: bold; text-align: center;">N-8</div>	Sheet <div style="font-size: 1.5em; font-weight: bold; text-align: center;">6 of 18</div>											

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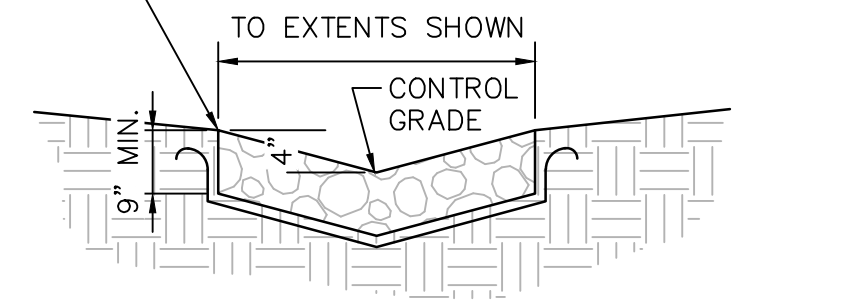
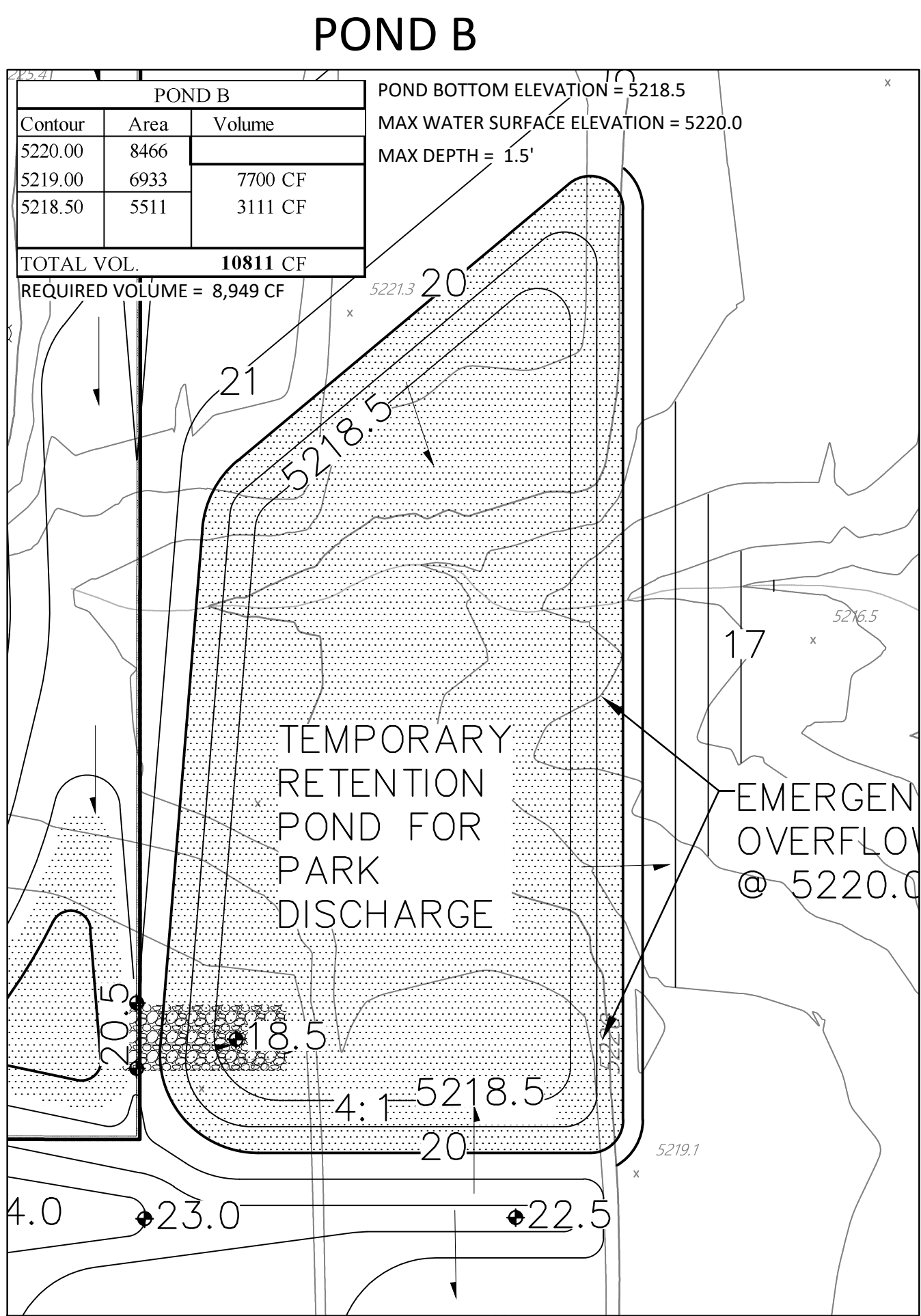
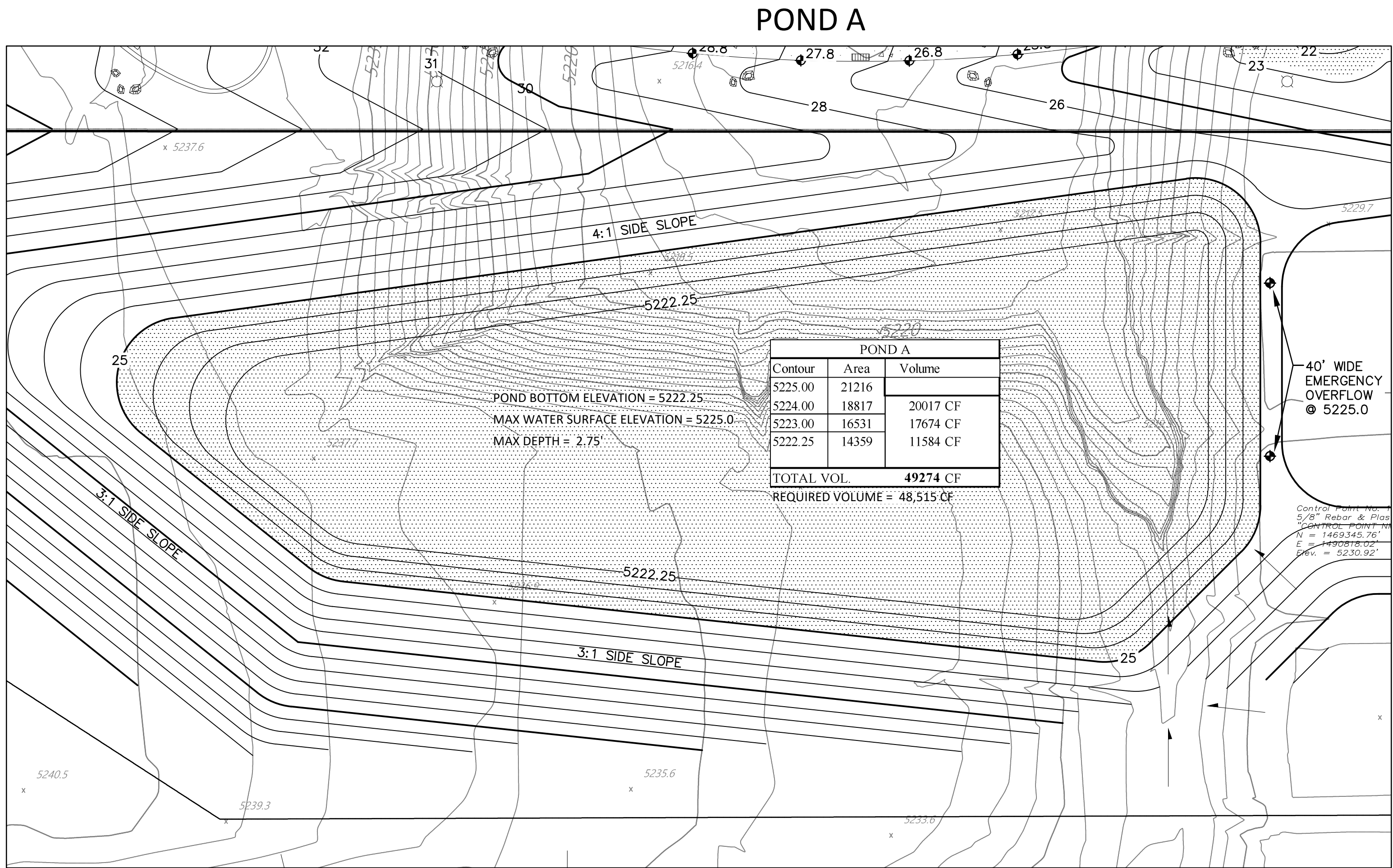
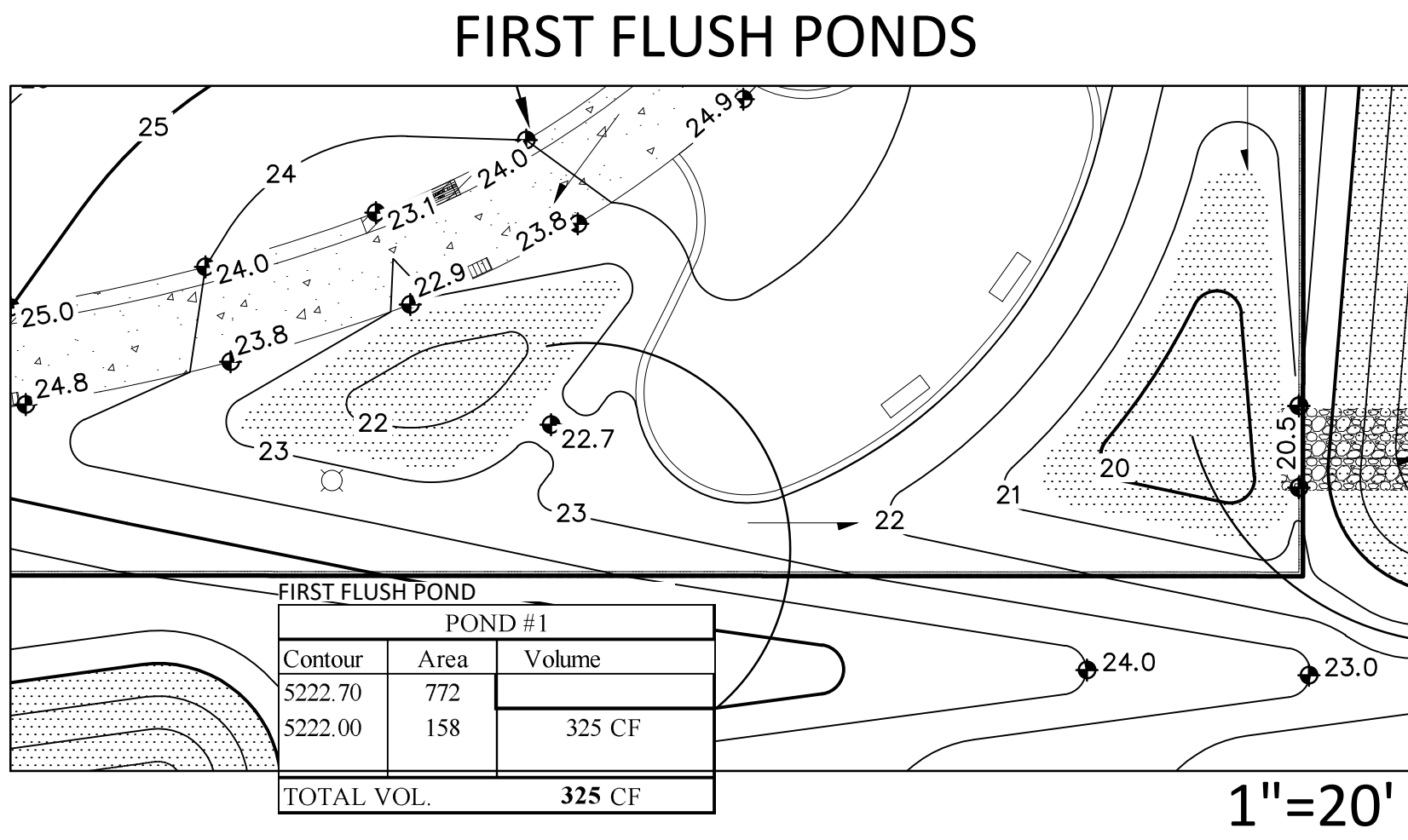
RECORD DRAWINGS DATE: XX/XX/2018	PROJECT# 753990	100% CONSTRUCTION DOCUMENTS DATE: JANUARY 22, 2018
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BASIN MAP

BASIN	NW	DESCRIPTION	West of Memorial Park to be diverted to offsite pond
Area of basin flows =	129866	SF	3.0 Ac.
The following calculations are based on Treatment areas as shown in table to the right			
Sub-basin Weighted Excess Precipitation (see formula above)			
Weighted E = 0.99 in.			
Sub-basin Volume of Runoff (see formula above)			
V ₅₀₀ = 10714 CF			
Sub-basin Peak Discharge Rate: (see formula above)			
Q ₁₀₀ = 8.6 cfs			
FIRST FLUSH VOL. = 0 CF			
BASIN	MEMORIAL PARK	DESCRIPTION	
Area of basin flows =	87120	SF	2.0 Ac.
The following calculations are based on Treatment areas as shown in table to the right			
Sub-basin Weighted Excess Precipitation (see formula above)			
Weighted E = 0.97 in.			
Sub-basin Volume of Runoff (see formula above)			
V ₅₀₀ = 7028 CF			
Sub-basin Peak Discharge Rate: (see formula above)			
Q ₁₀₀ = 5.2 cfs			
FIRST FLUSH VOL. = 444 CF			
BASIN	S	DESCRIPTION	
Area of basin flows =	457380	SF	10.5 Ac.
The following calculations are based on Treatment areas as shown in table to the right			
Sub-basin Weighted Excess Precipitation (see formula above)			
Weighted E = 0.99 in.			
Sub-basin Volume of Runoff (see formula above)			
V ₅₀₀ = 37734 CF			
Sub-basin Peak Discharge Rate: (see formula above)			
Q ₁₀₀ = 30.1 cfs			
FIRST FLUSH VOL. = 0 CF			

POND B - 100-YR 10-DAY VOLUME	
V ₅₀₀ (from previous calculation)	7028
Area Treatment D (SF)	15682
Zone	1
For 10 Day Storms:	
V _{10day} = V ₅₀₀ + A _D * (P _{10day} - P ₅₀₀) * 43560 SF/AC	
V ₅₀₀	7028
A _D (SF)	15682
Zone	1
P _{10day}	3.67
P ₅₀₀	2.2
Total Pond Volume (V _{10 day}) = 8949	



- VARY ANGULAR FACE ROCK SIZE BETWEEN 2" AND 6" DIA. (AVG.=6")
- PLACE GEOTEX 501 NON-WOVEN GEOTEXTILE (O.E.) BENEATH ALL EROSION PROTECTION

ANGULAR ROCK SWALE

SCALE: N.T.S.

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CITY OF ALBUQUERQUE
STRATEGIC PLANNING AND DESIGN
PARKS AND RECREATION DEPARTMENT

MEMORIAL PARK POND CALCULATIONS AND DETAILS

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
City Project No. 753990	Zone Map No. N-8	Sheet 7 of 18	

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ARCHITECTURAL SEAL		REVISIONS	
CONTRACTOR	DATE	CONTRACTOR	DATE	NO.	BY	NO.	BY	NO.	DATE
Zone (NAD 83-NSRS 2007), and have been adjusted to the City of Albuquerque monument "1-PB" Y=1464875.26; X=1489973.91).	8/17 & 9/17	Zone (NAD 83-NSRS 2007), and have been adjusted to the City of Albuquerque monument "1-PB" Y=1464875.26; X=1489973.91).	8/17 & 9/17	1.	STEPHEN J. TOLER, PS				
INSPECTOR'S ACCEPTANCE BY	DATE	INSPECTOR'S ACCEPTANCE BY	DATE						
VERIFICATION BY	DATE	VERIFICATION BY	DATE						
DRAWINGS BY	DATE	DRAWINGS BY	DATE						
MICRO-FILM INFORMATION	DATE	MICRO-FILM INFORMATION	DATE						
RECORDED BY	DATE	RECORDED BY	DATE						