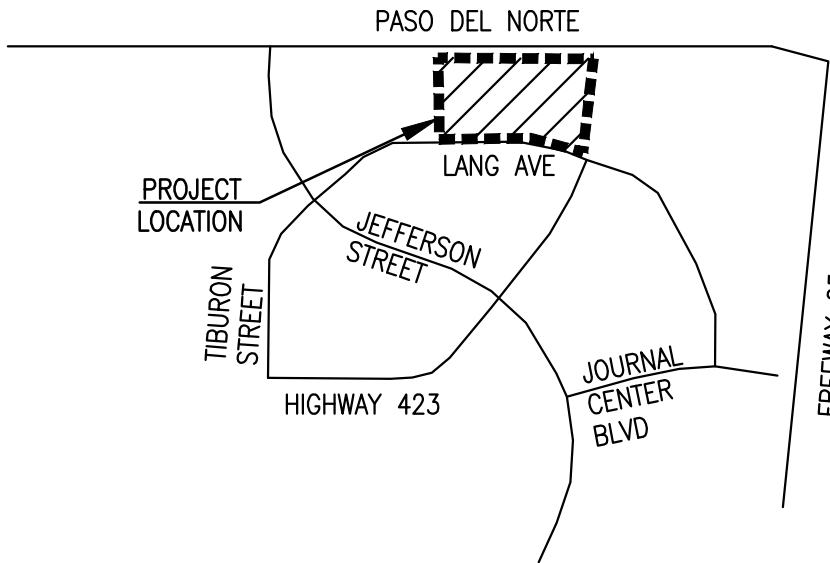


SOIL EROSION AND SEDIMENT CONTROL PLAN

NEW MEXICO CANCER CENTER

4901 LANG AVENUE NE, ALBUQUERQUE, NM 87109



VICINITY MAP

N.T.S.

OWNER

NMPACT
1960 WEST MOORE ROAD
TUCSON, AZ 85737
CONTACT: TOM COURTY OR HERALD DAUGS
PH: (480) 797-4893

ARCHITECT

STANTEC ARCHITECTURE INC.
722 12TH STREET NW SUITE 100
WASHINGTON DC, 20005-3957
PH: (202) 822-8227
WWW.STANTEC.COM

ENGINEER

STANTEC CONSULTING, INC.
3133 WEST FRYE ROAD, STE 300
CHANDLER, AZ 85226
CONTACT: COLLEEN M. RUIZ, PE
PH: (602) 315-1432
EMAIL: COLLEEN.RUIZ@STANTEC.COM

FLOOD ZONE

ACCORDING TO THE FLOOD INSURANCE RATE MAP
#35001C0137H DATED AUGUST 16, 2012, THIS
PROPERTY IS LOCATED IN FLOOD ZONE "X".

AREA

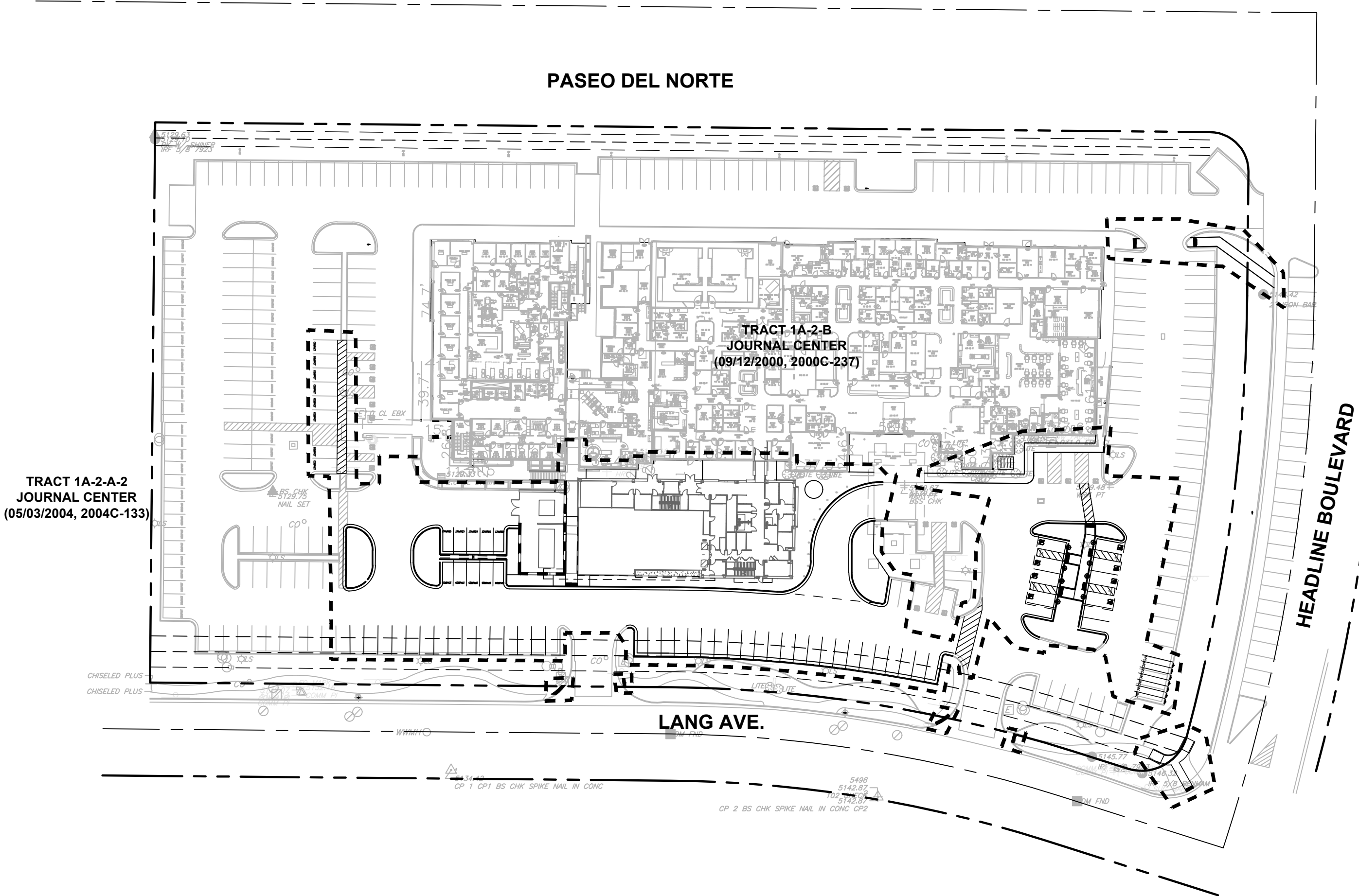
6.00 ACRES

PROJECT DESCRIPTION

A PROPOSED BUILDING ADDITION TO THE EXISTING
CANCER CENTER WILL EXPAND SOUTH OF THE
EXISTING STRUCTURE.

LEGAL DESCRIPTION

TR 1-A-2-B-1 PLAT OF TRACT 1A-2-B-1 JOURNAL
CENTERCONT 6.00 ACRES



KEY MAP

SHEET INDEX

SHEET	DESCRIPTION
C-600	SOIL EROSION AND SEDIMENT CONTROL TITLE SHEET
C-601	SOIL EROSION AND SEDIMENT CONTROL DETAILS & NOTES
C-602	SOIL EROSION AND SEDIMENT CONTROL PLAN



3133 West Frye Road, Suite 300
Chandler, AZ 85226
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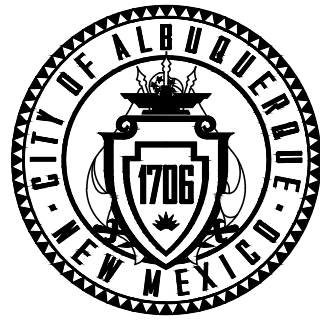
The Contractor and staff are responsible for all dimensions, DO NOT
scale the drawing. Any errors or omissions shall be reported to Stantec
without delay. The Contractor shall design and construct the project in
accordance with the approved plans and specifications. The Contractor
shall be responsible for any and all costs incurred by Stantec in
connection with the project.

BENCH MARKS

SEAL



DESIGNED BY: AV	NO.	DATE	DESCRIPTION	BY
DRAWN BY: AV	AS-BUILT INFORMATION	CONTRACTOR		
CHECKED BY:	WORK TAKEN BY:	INSPECTOR'S ACCEPTANCE BY:	DATE:	DATE:
DATE: 7/21/2022	FIELD VERIFICATION BY:	DRAWINGS CORRECTED BY:	DATE:	DATE:



CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

SOIL EROSION AND
SEDIMENT CONTROL
TITLE SHEET

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	ZONE MAP NO. D-17-Z
		CITY PROJECT NO. PR-2022-007588
		APPLICATION NO. SI-2022-01658
		SHEET NO. C-600



CALL NM ONE-CALL
SYSTEM SEVEN (7) DAYS
PRIOR TO ANY EXCAVATION

(A) THE COUNTY IS AND SHALL REMAIN AN ACTIVE PARTICIPANT IN THE NATIONAL FLOOD INSURANCE PROGRAM. THE COUNTY ENDORSES THE PROGRAM GOAL OF FLOOD DAMAGE REDUCTION THROUGH THE REGULATION OF DEVELOPMENT WITHIN FLOOD HAZARD AREAS AND THE PRESERVATION OF FLOODWAYS. THIS ARTICLE IS INTENDED TO COMPLEMENT AND SUPPLEMENT ARTICLE II OF THIS CHAPTER, AND SHALL BE ADMINISTERED IN CONCERT THEREWITH.

(B) ALL DEVELOPED LAND WITHIN THE COUNTY SHALL BE PROVIDED WITH ADEQUATE DRAINAGE, FLOOD CONTROL AND EROSION CONTROL FACILITIES. THE PROTECTION OF LIFE AND PROPERTY SHALL BE CONSIDERED THE PRIMARY FUNCTION IN THE PLANNING, DESIGN, CONSTRUCTION AND MAINTENANCE OF DRAINAGE CONTROL, FLOOD CONTROL AND EROSION CONTROL FACILITIES, BUT OTHER CONCERNS, NOT LIMITED TO THE FOLLOWING, SHALL BE ADDRESSED: CHANNEL CAPACITY, WATERSHED CHARACTERISTICS, CHANNEL STABILITY, MAINTENANCE, TRANSITIONS BETWEEN TREATMENT AREAS, MULTIPLE USE GOALS AND APPEARANCE. THE NEEDS OF THE COMMUNITY IN TRANSPORTATION, UTILITY SERVICES, RECREATION AND OPEN SPACE SHALL BE CONSIDERED IN PLANNING, DESIGN, CONSTRUCTION AND MAINTENANCE (ESPECIALLY IN THE SELECTION OF CHANNEL TREATMENT MEASURES). THESE NEEDS SHALL ALWAYS BE CONSIDERED SUBSIDIARY TO THE PRIMARY FUNCTION OF THE DRAINAGE CONTROL, FLOOD CONTROL AND/OR EROSION CONTROL FACILITY.

(C) THE DESIGN, CONSTRUCTION AND MAINTENANCE OF DAMS, LEVEES AND DIVERSIONS THAT FALL WITHIN THE JURISDICTION OF THE STATE ENGINEER SHALL MEET OR EXCEED STANDARDS ESTABLISHED BY THE STATE ENGINEER.

(D) THE DESIGN, CONSTRUCTION AND MAINTENANCE OF FLOOD CONTROL AND STORMWATER QUALITY CONTROL FACILITIES THAT FALL WITHIN THE JURISDICTION OF AMAFCA SHALL BE COORDINATED WITH AMAFCA. THE DESIGN, CONSTRUCTION AND MAINTENANCE OF FLOOD CONTROL AND STORMWATER QUALITY CONTROL FACILITIES THAT FALL WITHIN THE JURISDICTION OF THE CITY SHALL BE COORDINATED WITH THE CITY.

(E) THE DESIGN, CONSTRUCTION AND MAINTENANCE OF FLOOD CONTROL AND STORMWATER QUALITY CONTROL FACILITIES SHALL NOT ALLOW ANY ADDITIONAL FLOWS TO BE ROUTED INTO MRGCD FACILITIES UNLESS SPECIFIC PLANS ARE APPROVED BY THE DISTRICT. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO OBTAIN ALL NECESSARY APPROVALS AND PERMITS FROM THE MRGCD.

(F) ALL MAJOR FACILITIES SHALL BE CONSTRUCTED WITHIN DEDICATED RIGHTS-OF-WAY OR RECORDED DRAINAGE EASEMENTS GRANTED TO AND ACCEPTED BY THE PROPER PUBLIC AUTHORITY OR HISTORIC CHANNELS AND WATERCOURSE WHEN EASEMENTS OR RIGHTS-OF-WAY CANNOT BE OBTAINED.

(G) ALL DETENTION PONDS THAT ARE ALSO DEFINED AS MINOR FACILITIES SHALL BE CONSTRUCTED ON PRIVATE PROPERTY, AS FOLLOWS UNLESS OTHERWISE AUTHORIZED BY THE COUNTY ENGINEER:

- (1) EXCEPT AS IS NECESSARY FOR THE TREATMENT OF NUISANCE WATER OR TO PREVENT SMALLER AND MORE FREQUENTLY OCCURRING STORMS FROM DAMAGING DOWNSTREAM PROPERTY, ARROYOS AND WATERCOURSES, PONDS SHALL BE DESIGNED AND CONSTRUCTED TO BE EMPTIED IN 24 HOURS OR LESS. PONDS WITH EVACUATION TIMES GREATER THAN SIX HOURS AND LESS THAN OR EQUAL TO 24 HOURS SHALL BE DESIGNED TO SAFELY CARRY A 100-YEAR, 100-YEAR, 24-HOUR STORM.
- (2) PONDS MAY BE DESIGNED TO BE EMPTIED FOR PERIODS LONGER THAN 24 HOURS AND UP TO 96 HOURS WHERE DOWNSTREAM CAPACITY LIMITS ALLOWABLE DISCHARGE AND WHEN SUCH PONDS ARE EITHER-DESIGNED TO SAFELY CARRY A 100-YEAR, 96-HOUR STORM; OR-BE DESIGNED TO SAFELY CARRY A TEN-YEAR DESIGN STORM (SIX-HOUR) FOLLOWED IMMEDIATELY BY A 100-YEAR DESIGN STORM (SIX-HOUR).
- (3) WHERE THE LACK OF AN ADEQUATE OUTFALL PREVENTS THE DISCHARGE OF STORMWATER TO A DOWNSTREAM FACILITY OF ADEQUATE CAPACITY, THE DESIGN MAY PROVIDE FOR ON-SITE RETENTION OF THE STORM RUNOFF. THE VOLUME OF THE RETENTION FACILITY SHALL BE EQUAL TO THE VOLUME OF RUNOFF GENERATED FROM THE SITE FOR: A 100-YEAR, TEN-DAY STORM, OR TWO CONSECUTIVE 100-YEAR DESIGN STORMS (SIX-HOUR). DESIGN OF RETENTION FACILITIES MAY INCLUDE THE INFLUENCE OF LONG-TERM SOIL INFILTRATION RATES WHERE SUBSTANTIATED BY TESTS AND DOCUMENTATION. IN NO CASE SHALL RETENTION FACILITIES BE SMALLER THAN THE VOLUME REQUIRED TO HOLD A 100-YEAR, 24-HOUR STORM WITHOUT INFILTRATION. RETENTION FACILITIES SHALL BE CONSIDERED TEMPORARY FACILITIES UNLESS DEMONSTRATED TO BE OTHERWISE TO THE SATISFACTION OF THE COUNTY ENGINEER.
- (4) DETENTION PONDS MAY BE DESIGNED TO INCLUDE A RETENTION CAPACITY FOR A PORTION OF THE POND VOLUME. SIZING OF THE POND SHALL BE BASED ON THE STORM LENGTH EQUIVALENT TO THE TIME TO EMPTY THE ENTIRE POND.

(H) WHERE DETENTION AND RETENTION PONDS ARE DESIGNED BASED ON IMPERVIOUS AREAS BEING LESS THAN 40 PERCENT OF THE TOTAL DRAINAGE AREA, OR WHERE UNDEVELOPED AREAS CONTRIBUTE FLOW TO THE PONDS, PONDS SHALL PROVIDE FOR ADDITIONAL VOLUME TO ACCOMMODATE SEDIMENT. DETENTION AND RETENTION PONDS SHOULD, WHERE PRACTICAL, BE LOCATED IN SUCH A MANNER AS TO ALLOW FOR DISCHARGE TO FUTURE OUTFALL FACILITIES WHEN THEY BECOME AVAILABLE. IN COMPUTING RUNOFF, NO CREDIT WILL BE GIVEN TO INDIVIDUAL LOT PONDING IN RESIDENTIAL ZONES EXCEPT WHEN SUCH PONDS ARE PROTECTED BY A DRAINAGE COVENANT AND ARE ACCESSIBLE TO AND MAINTAINABLE BY COUNTY MAINTENANCE EQUIPMENT. ALL RETENTION AND DETENTION PONDS SHALL BE CONSTRUCTED ON PRIVATE PROPERTY UNLESS OTHERWISE AUTHORIZED BY THE COUNTY ENGINEER. WATER DRAINING FROM PUBLIC RIGHT-OF-WAY THAT IS CONVEYED THROUGH OR PONDED ON PRIVATE PROPERTY SHALL REQUIRE A DRAINAGE COVENANT AND/OR A DRAINAGE EASEMENT EXCEPT IN RECORDED DRAINAGE OR FLOOD CONTROL EASEMENTS OR RIGHTS-OF-WAY OR HISTORIC CHANNELS AND WATERCOURSES WHERE EASEMENTS OR RIGHTS-OF-WAY CANNOT BE OBTAINED.

(I) ALL DETENTION AND RETENTION PONDS WITH SIDE SLOPES STEEPER THAN 3:1, WITH A PONDING DEPTH GREATER THAN 18 INCHES DEEP AND WILL POND WATER LONGER THAN 96 HOURS SHALL HAVE SAFETY FENCING. SAFETY FENCING SHALL BE A MINIMUM HEIGHT OF 42 INCHES AND CONFORM TO THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION CURRENT EDITION.

(J) ALL DETENTION AND RETENTION FACILITIES SHALL HAVE A DESIGNATED OVERFLOW SPILLWAY. THE OVERFLOW SPILLWAY SHALL, AS A MINIMUM, BE CAPABLE OF SAFELY DISCHARGING THE RUNOFF ENTERING THE FACILITY FOR A 100-YEAR DESIGN STORM. SAFETY SHALL BE CONSIDERED IN THE DESIGN OF DETENTION AND RETENTION FACILITIES.

(K) UNLESS DEVELOPED UNDER A BUILDING PERMIT, A REPLAT SUBDIVISION OR A REPLAT ALTERS THE ELEVATION OR LOCATION OF ANY DESIGNATED 100-YEAR FLOODPLAIN, AS SHOWN ON CURRENT FEMD FLOOD INSURANCE RATE MAPS, THE DEVELOPER SHALL BE REQUIRED TO PROVIDE TO THE COUNTY ENGINEER ALL NECESSARY DATA NEEDED TO EFFECT THE FLOOD BOUNDARY REVISION OR AMENDMENT. ANY REQUIRED FEES FOR PROCESSING SHALL BE THE RESPONSIBILITY OF THE DEVELOPER.

(L) SITE DEVELOPMENT AND MAJOR OR MINOR SUBDIVISIONS FOR OR REPLATS FOR INDUSTRIAL ACTIVITIES SHALL BE DESIGNED AND CONSTRUCTED SUCH THAT NON-STORMWATER DISCHARGES INTO STORM SEWERS, ARROYOS OR WATERCOURSES WILL NOT OCCUR.

(M) WHERE FLOOD CONTROL, DRAINAGE OR EROSION CONTROL IMPROVEMENTS ARE NECESSARY WITHIN DEDICATED OR PROPOSED PUBLIC OPEN SPACE, SUCH IMPROVEMENTS SHALL BE DESIGNED AND CONSTRUCTED IN A MANNER REASONABLY CONSISTENT WITH THE NATURAL SURROUNDINGS. ALL CONSTRUCTION AND MAINTENANCE ACTIVITIES IN DEDICATED OPEN SPACE SHALL BE PERFORMED SO AS TO MINIMIZE THE DISRUPTION AND DESTRUCTION OF VEGETATION AND ADJACENT LAND FORMS. WHERE SUCH DISTURBANCE OR DESTRUCTION IS UNAVOIDABLE, REVEGETATION SHALL BE PERFORMED AT THE EARLIEST PRACTICAL TIME BY THE RESPONSIBLE PERSON RESPONSIBLE FOR SUCH DISTURBANCE AND/OR DESTRUCTION.

(N) THE COUNTY ENGINEER IS RESPONSIBLE FOR ESTABLISHING CRITERIA, PROCEDURES AND STANDARDS FOR DESIGN AND CONSTRUCTION OF FLOOD CONTROL, DRAINAGE CONTROL AND EROSION CONTROL IMPROVEMENTS WITHIN THE COUNTY. THE COUNTY ENGINEER SHALL BE RESPONSIBLE, SUBJECT TO THE DIRECTION OF AND APPROVAL BY THE BOARD OF PUBLIC WORKS, FOR IMPLEMENTING AND ADOPTING A DRAINAGE MANAGEMENT PLAN FOR ALL WATERSHEDS IN ITS JURISDICTION UNLESS AMAFCA HAS ASSUMED RESPONSIBILITY THEREFOR. THE COUNTY ENGINEER IS ALSO THE DESIGNATED FLOOD CONTROL OFFICIAL FOR THE COUNTY IN ACCORDANCE WITH THE REQUIREMENTS OF THE FEDERAL INSURANCE ADMINISTRATION.

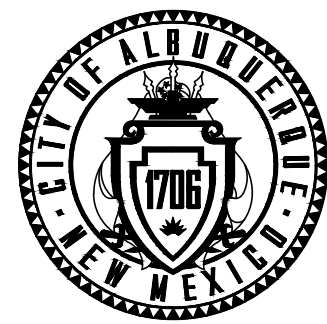
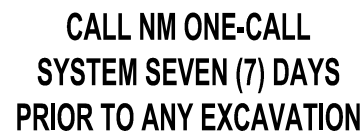
(O) THE PROVISIONS OF ARTICLE III SECTION 38-201 APPLY TO THIS ARTICLE AND ARE EXTENDED TO STORMWATER QUALITY FACILITIES AND FEATURES WHERE NOT SPECIFICALLY ADDRESSED. THIS ARTICLE IS INTENDED TO COMPLEMENT AND SUPPLEMENT ARTICLE III OF THIS CHAPTER, AND SHALL BE ADMINISTERED IN CONCERT THEREWITH.

(P) NON-STORMWATER DISCHARGES. SITE DEVELOPMENT, MAJOR OR MINOR SUBDIVISIONS, OR REPLATS FOR INDUSTRIAL ACTIVITIES SHALL BE DESIGNED AND CONSTRUCTED SUCH THAT NON-STORMWATER DISCHARGES INTO THE STORM SEWERS, ARROYOS OR WATERCOURSES WILL NOT INTENTIONALLY OCCUR. SOME NON-STORMWATER DISCHARGES ARE ALLOWABLE; A LIST OF AUTHORIZED NON-STORMWATER DISCHARGES CAN BE FOUND IN PART I.A.4 OF THE PERMIT.

(Q) FOR ALL NEW INDUSTRIAL AND COMMERCIAL DEVELOPMENT AND FOR ALL NEW RESIDENTIAL DEVELOPMENT REQUIRING A GRADING AND DRAINAGE PLAN AND APPROVAL, ALL STORMWATER DISCHARGE RESULTING FROM THE STORMWATER QUALITY DESIGN STORM EVENT MUST BE MANAGED ON-SITE FOR WATER QUALITY PRIOR TO DISCHARGE FROM THE PROPERTY. IMPLEMENTATION OF STORMWATER BMPs INTO THE LANDSCAPE AND GRADING DESIGN PLANS TO MINIMIZE RUNOFF AND TO INCREASE ON-SITE RAINWATER RETENTION WILL BE REQUIRED. NO DISCHARGE FROM DIRECTLY CONNECTED IMPERVIOUS AREAS RESULTING FROM THE STORMWATER QUALITY DESIGN STORM OR LESSER STORMS WILL BE ALLOWED WITHOUT ON-SITE TREATMENT PRIOR TO RELEASE TO THE MS4 OR PROVISION OF MEANS TO MINIMIZE SUCH DISCHARGES TO THE MAXIMUM EXTENT PRACTICABLE.

(R) FOR ALL NEW AND REDEVELOPMENT OF INDUSTRIAL AND COMMERCIAL PROPERTIES REQUIRING A PAVING PERMIT, THE SITE PLAN WILL BE EVALUATED BY THE APPLICANT FOR THE TREATMENT OF STORMWATER FROM DIRECTLY CONNECTED IMPERVIOUS AREAS, PARTICULARLY DRIVEWAYS AND PARKING LOTS. IF, IN THE OPINION OF THE COUNTY ENGINEER, CONTROL AND TREATMENT OF STORMWATER PRIOR TO DISCHARGE FROM SUCH AREAS TO THE MS4 IS PRACTICABLE, SUCH MEASURES SHALL BE IMPLEMENTED, OR OTHER PRACTICAL MEASURES OR ALTERNATIVES TO MINIMIZE SUCH DISCHARGES MAY BE UTILIZED AS APPROVED BY THE COUNTY ENGINEER.

CONSTRUCTION CONTRACTORS SHALL INSTALL AND MAINTAIN APPROPRIATE BEST MANAGEMENT PRACTICES (BMPs), AS SHOWN IN THE EROSION AND SEDIMENT CONTROL PLAN, ON ALL CONSTRUCTION PROJECTS. BMPs SHALL BE INSTALLED IN ACCORDANCE WITH INDUSTRY RECOMMENDED STANDARDS, AND/OR IN ACCORDANCE WITH ANY GENERAL CONSTRUCTION PERMIT ISSUED BY THE STATE FOR THE PROJECT TO PREVENT ANY DISCHARGES FROM THE PROJECT SITE OR INTO ANY STORM DRAIN FACILITIES. ALL SEDIMENTS, CONSTRUCTION MATERIALS, DEBRIS AND WASTES, AND OTHER POLLUTANTS MUST BE RETAINED ON SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES, WIND, OR VEHICLE TRACKING. UNDER DIRECTION OF THE ENGINEER OF RECORD, EROSION AND/OR SEDIMENT CONTROL DEVICES SHALL BE MODIFIED AS NEEDED AS THE PROJECT PROGRESSES TO ENSURE EFFECTIVENESS.



SOIL EROSION AND SEDIMENT CONTROL DETAILS & NOTES

CITY ENGINEER APPROVAL

SHEET NO. C-601



The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.

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BENCHMARKS

SEAL



Y

DESCRIPTION	CONTRACTOR:

NO.	DATE
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DESIGNED BY: AV

DRAWN BY: AV

CHECKED BY:

DATE 7/21/2022

PLOT SET - 01/19/2023

