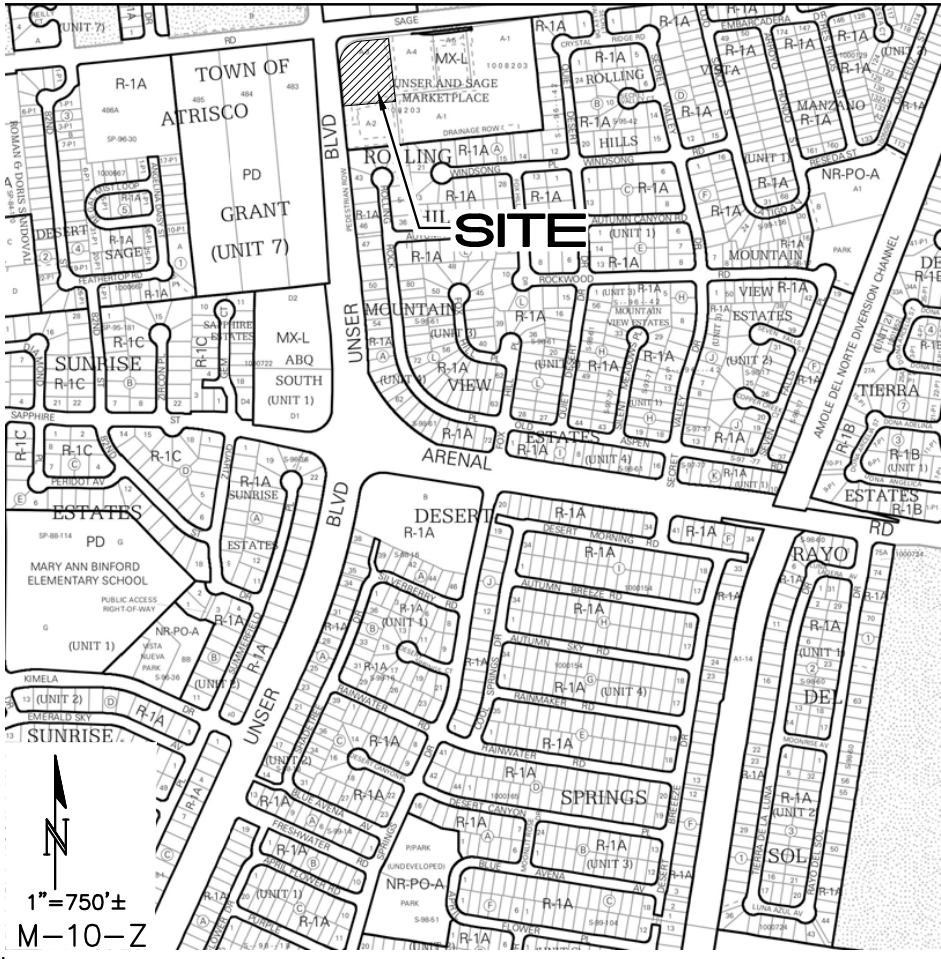


VICINITY MAP



STORMWATER QUALITY REQ'S

ALL NEW DEVELOPMENT AND REDEVELOPMENT PROJECTS SHALL APPLY BEST MANAGEMENT PRACTICES (BMPs) TO MANAGE THE STORMWATER QUALITY VOLUME (SWQV) BY MANAGEMENT ON-SITE, OR PAYMENT-IN-LIEU, OR PRIVATE OFF-SITE MITIGATION.

FOR NEW DEVELOPMENT SITES, THE CABQ STORMWATER QUALITY VOLUME (SWQV) IS BASED ON THE 90TH PERCENTILE STORM EVENT OR 0.42".

THE IMPERVIOUS AREA FOR THE PORTION OF THE PROPERTY TO BE DEVELOPED (BASINS A1, A2, A3, A4, A5, A7 AND A8) IS 23,622 SF (FUTURE BASIN A6 DEVELOPMENT IS NOT INCLUDED); THE TOTAL REQUIRED S.Q. RETENTION VOLUME = 0.42/12 * 23,622 SF = 827 CF.

TWO SWQ RETENTION PONDS WILL BE CONSTRUCTED AS SHOWN (DRAINAGE BASIN PONDS A1 AND A2).

POND A7		
Contour	Area	Volume
5080	1000	
5079.0	60	530 CF
POND VOLUME =		530 CF

PER BASIN CALCS:
BASIN A7 REQUIRES 12 CF OF SWQV.

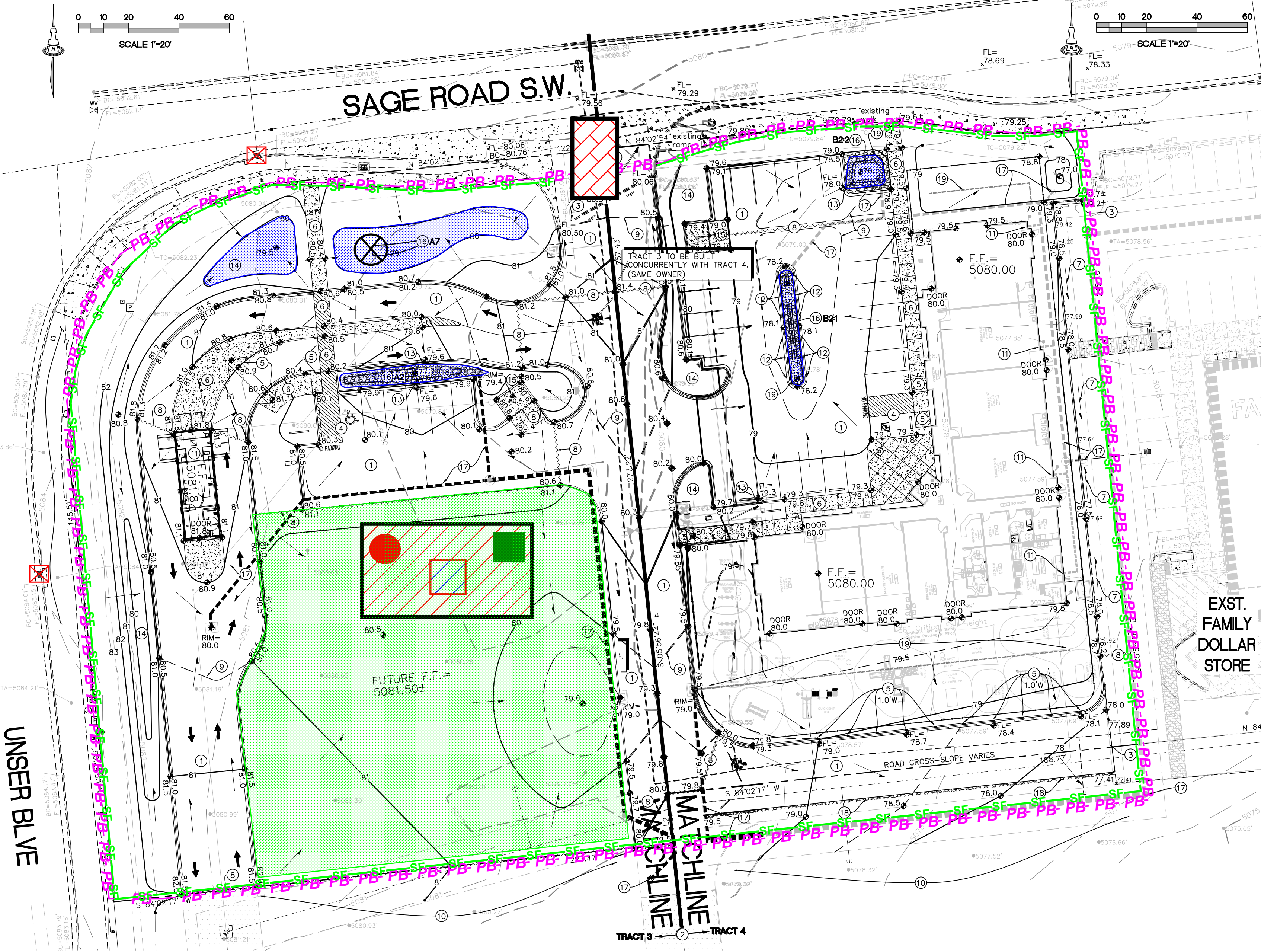
POND A2		
Contour	Area	Volume
5079.4	240	
5079	160	80 CF
5078	15	88 CF
POND VOLUME =		167 CF

PER BASIN CALCS:
BASIN A2 REQUIRES 300 CF OF SWQV.

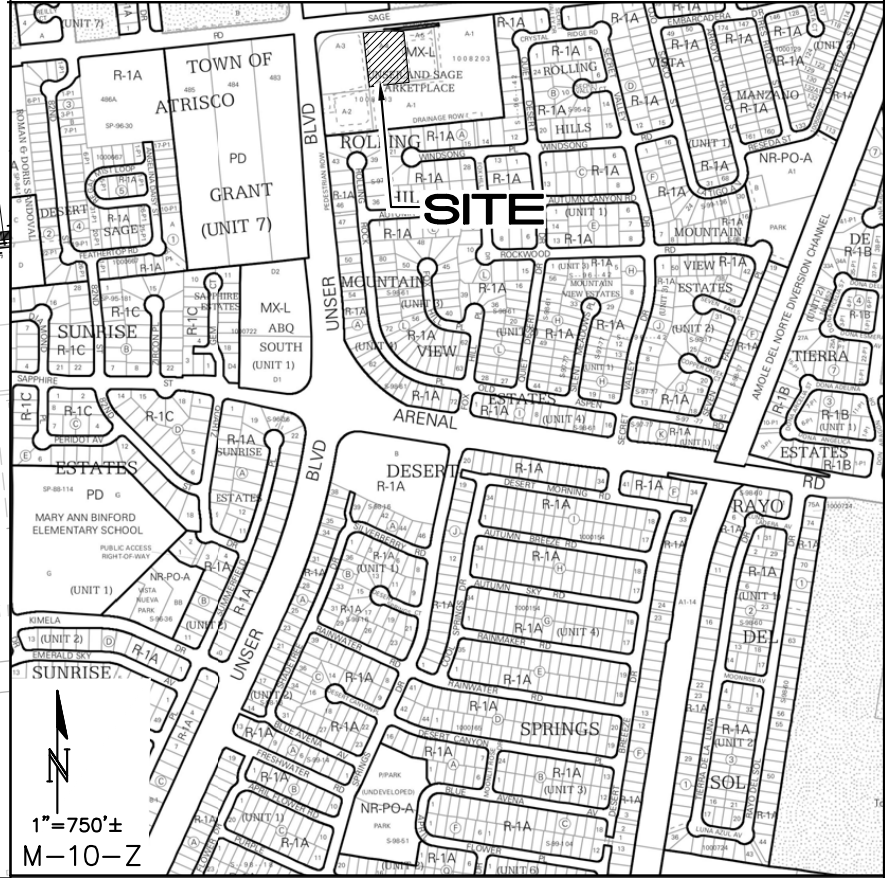
TOTAL SWQV PROVIDED = 167+12 = 179 CF.

A "PAYMENT IN-LIEU FOR S.Q. VOLUME REQUIREMENT" TREASURY DEPOSIT SLIP WILL BE PROVIDED BY C.O.A. HYDROLOGY BASED ON THE PORTION OF S.Q. VOLUME THAT IS NOT RETAINED ON-SITE (827 - 179 = 648 CF) @ \$8.00 / CF FOR COMMERCIAL.

A DRAINAGE COVENANT WILL BE REQUIRED FOR THE SWQV PONDS PRIOR TO RELEASE OF CERTIFICATE OF OCCUPANCY. THE ORIGINAL NOTARIZED FORM AND EXHIBIT 'A' ALONG WITH THE RECORDING FEE (PAYABLE TO CITY OF ALBUQUERQUE) WILL BE SUBMITTED BY THE OWNER.



VICINITY MAP



STORMWATER QUALITY REQ'S

ALL NEW DEVELOPMENT AND REDEVELOPMENT PROJECTS SHALL APPLY BEST MANAGEMENT PRACTICES (BMPs) TO MANAGE THE STORMWATER QUALITY VOLUME (SWQV) BY MANAGEMENT ON-SITE, OR PAYMENT-IN-LIEU, OR PRIVATE OFF-SITE MITIGATION.

FOR NEW DEVELOPMENT SITES, THE CABQ STORMWATER QUALITY VOLUME (SWQV) IS BASED ON THE 90TH PERCENTILE STORM EVENT OR 0.42".

THE IMPERVIOUS AREA FOR THIS PROPERTY IS CALCULATED AS APPROXIMATELY 82% OF TOTAL AREA: (0.82 * 1.10 AC) = 39,290 SF. THE TOTAL REQUIRED S.Q. RETENTION VOLUME = 1,375 CF (SEE BASIN SUMMARY THIS SHEET).

TWO SWQ RETENTION PONDS WILL BE CONSTRUCTED AS SHOWN (DRAINAGE BASIN PONDS B2:1 AND B2:2).

POND B2:1		
Contour	Area	Volume
5078	215	
5076.5	10	169 CF
1.5:1 SIDE SLOPES		
POND VOLUME =		169 CF

PER BASIN CALCS:
BASIN B2 REQUIRES 409 CF OF SWQV.

POND B2:2		
Contour	Area	Volume
5078	175	
5076.5	25	150 CF
2:1 SIDE SLOPES		
POND VOLUME =		150 CF

TOTAL SWQV PROVIDED = 319 CF.

A "PAYMENT IN-LIEU FOR S.Q. VOLUME REQUIREMENT" TREASURY DEPOSIT SLIP WILL BE PROVIDED BY C.O.A. HYDROLOGY BASED ON THE PORTION OF S.Q. VOLUME THAT IS NOT RETAINED ON-SITE (1375 - 319 = 1056 CF) @ \$8.00 / CF FOR COMMERCIAL.

A DRAINAGE COVENANT WILL BE REQUIRED FOR THE SWQV PONDS PRIOR TO RELEASE OF CERTIFICATE OF OCCUPANCY. THE ORIGINAL NOTARIZED FORM AND EXHIBIT 'A' ALONG WITH THE RECORDING FEE (PAYABLE TO CITY OF ALBUQUERQUE) WILL BE SUBMITTED BY THE OWNER.

LEGEND

TEMPORARY EROSION AND SEDIMENT CONTROL PLAN

- PB -PB -PB -PB PROJECT PERIMETER & DISTURBED AREA
- SF - SF - SF SILT FENCE
- MULCH SOCKS
- FLOW DIRECTION
- STAGING AREA
- STABILIZED CONSTRUCTION ENTRANCE
- TRASH RECEPTACLE
- CHEMICAL TOILET
- CONCRETE WASHOUT
- RETENTION POND
- RIP RAP
- CHECK DAM
- DROP INLET PROTECTION
- OUTFALL
- POSTING SIGN
- PRESERVED VEGETATION
- LANDSCAPE GRAVEL

SITE WILL HAVE A SILT FENCE PERIMETER WITH INLET PROTECTION FOR ACTIVE INLETS. RETENTION PONDS SHALL BE CONSTRUCTED DURING GRADING AND EARTHWORK.

SCHEDULE/SEQUENCING OF CONSTRUCTION

- POST PERMITS
- INSTALL REQUIRED BMPs
 - PERIMETER CONTROLS
 - STABILIZED CONSTRUCTION ENTRANCE
 - CONCRETE WASHOUT AREA
- CLEAR/GRUB
- TEMP POND
- EARTHWORK AND GRADING
- UTILITY INSTALLATION
- PAVEMENT STRUCTURES
- VERTICAL STRUCTURES
- LANDSCAPING
- PUNCHLIST



02/15/2021
CPESC Stamp

RECEIVING WATERS: ABQ MS4 TO AMOLE DETENTION BASIN

CRITICAL HABITAT: CRITERIAN "A"; NO CRITICAL HABITATS WITHIN THE PROJECT AREA

GPS LOCATION: 35.0576, -106.7213

KIDZ ACADEMY PRESCHOOL AND THE HUMAN BEAN

PROJECT TITLE

ALBUQUERQUE, BERNALILLO COUNTY, NM

CITY, COUNTY, STATE

02/15/2021

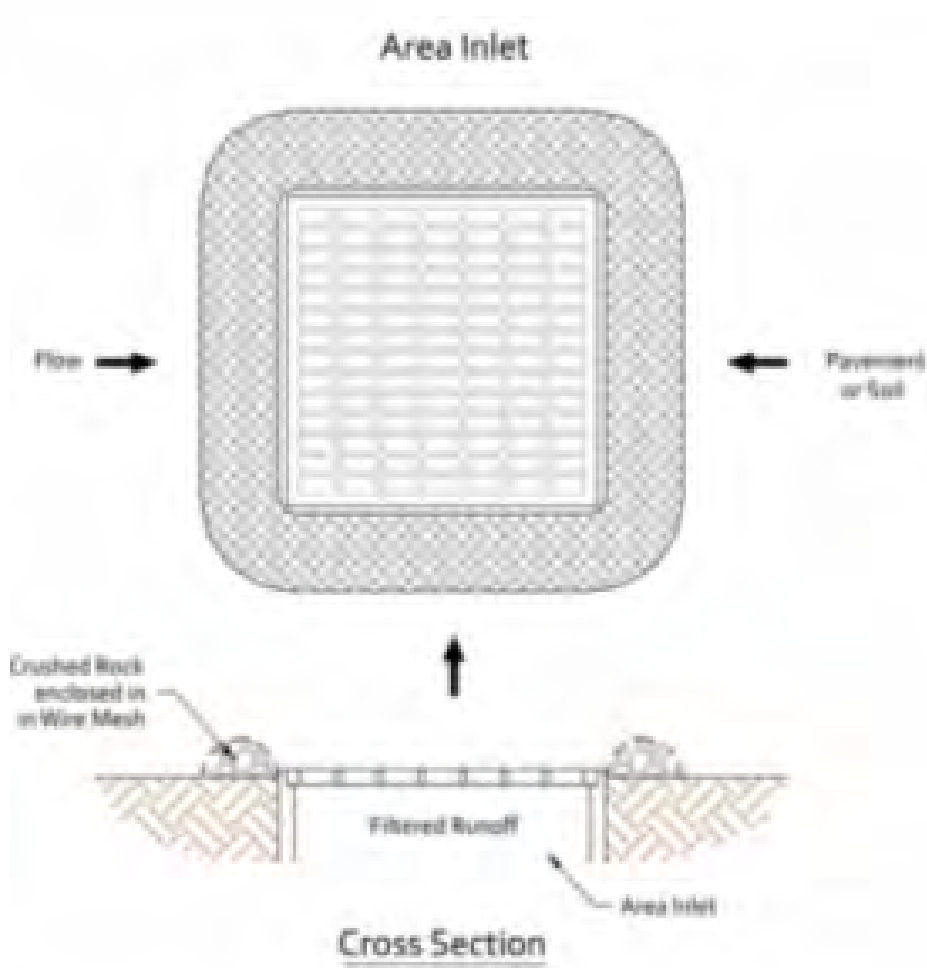
DATE

C. DURKIN

DRAWN BY



INLET PROTECTION



BMP Objectives

- Sediment Control
- Sheet Flow Runoff Control

SILT FENCE



BMP Objectives

- Sediment Control
- Sheet Flow Runoff Control
- Wind Erosion Control

SEDIMENT TRACK OUT CONTROL



MULCH SOCK/STRAW WATTLE



BMP Objectives

- Sediment Control
- Reduce Runoff Velocity
- Inlet Protection

BERMS AND SWALES



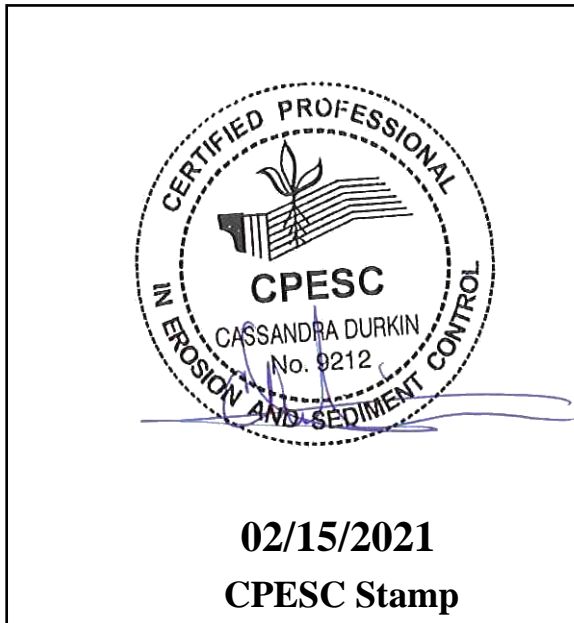
BMP Objectives

- Runoff Control
- Run-on Diversion

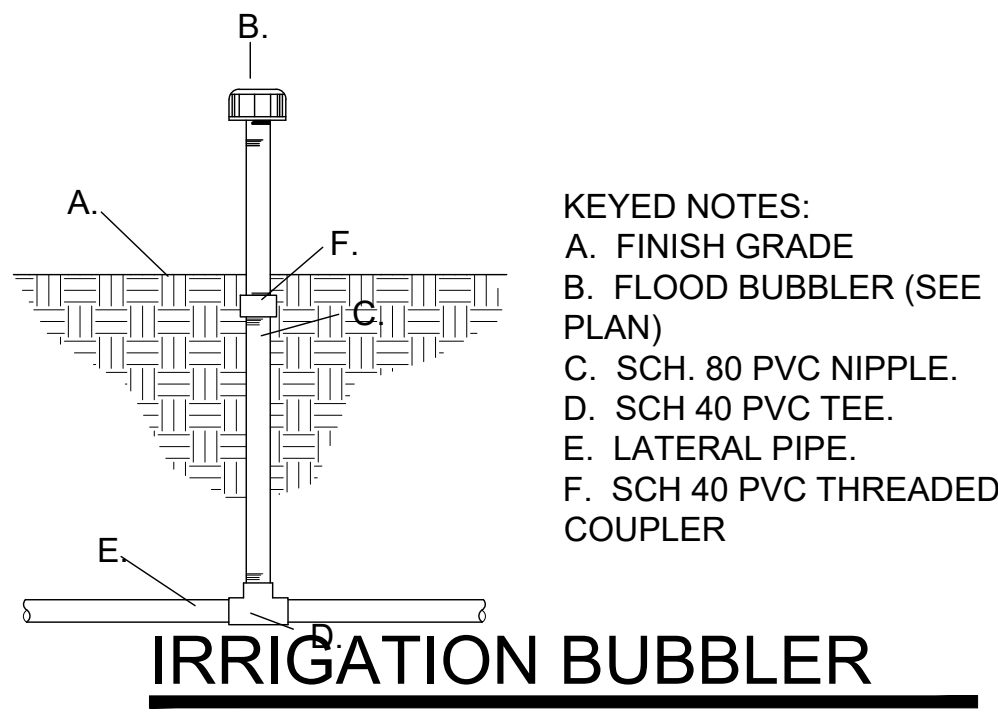
EROSION CONTROL NOTES
ESC Plan Standard Notes (2020-06-03)

- 1.All Erosion and Sediment Control (ESC) work on these plans, except as otherwise stated or provided hereon shall be permitted, constructed, inspected, and maintained in accordance with:
 - a.The City Ordinance § 14-5-2-11, the ESC Ordinance,
 - b.The EPA's 2017 Construction General Permit (CGP), and
 - c.The City Of Albuquerque Construction BMP Manual.
- 2.All BMP's must be installed prior to beginning any earth moving activities except as specified hereon in the Phasing Plan. Construction of earthen BMP's such as sediment traps, sediment basins, and diversion berms shall be completed and inspected prior to any other construction or earthwork. Self-inspection is required after installation of the BMPs and prior to beginning construction.
- 3.Self-inspections - At a minimum a routine compliance self-inspection is required to review the project for compliance with the Construction General Permit once every 14 days and after any precipitation event of 1/4 inch or greater until the site construction has been completed and the site determined as stabilized by the city. Reports of these inspections shall be kept by the person or entity authorized to direct the construction activities on the site.
- 4.BMPs shall be inspected and maintained until all disturbed areas are stabilized in accordance with the Final Stabilization Criteria (CGP 2.2.14.b). Generally, all disturbed areas, other than structures, must have uniform perennial vegetation that provides 70 percent or more of the cover provided by native vegetation or seed the disturbed area and provide non-vegetative mulch that provides cover for at least three years without active maintenance. Final stabilization must be documented on prior to removal of BMPs and discontinuation of inspections.

RECEIVING WATERS: ABQ MS4 TO AMOLE DETENTION BASIN	
CRITICAL HABITAT: CRITERIAN "A"; NO CRITICAL HABITATS WITHIN THE PROJECT AREA	
GPS LOCATION: 35.0576, -106.7213	
KIDZ ACADEMY PRESCHOOL AND THE HUMAN BEAN PROJECT TITLE	
ALBUQUERQUE, BERNALILLO COUNTY, NM CITY, COUNTY, STATE	
02/15/2021 DATE	INSPECTIONS PLUS
C. DURKIN DRAWN BY	



NOTE:
LATERAL LINE TESTING SHALL BE COMPLETED PRIOR TO INSTALLATION
LATERAL TESTING SHALL BE ACCOMPLISHED BY INSTALLING A PLUG IN THE OUTLET OF LATERAL LINE TEES AND ELLS.

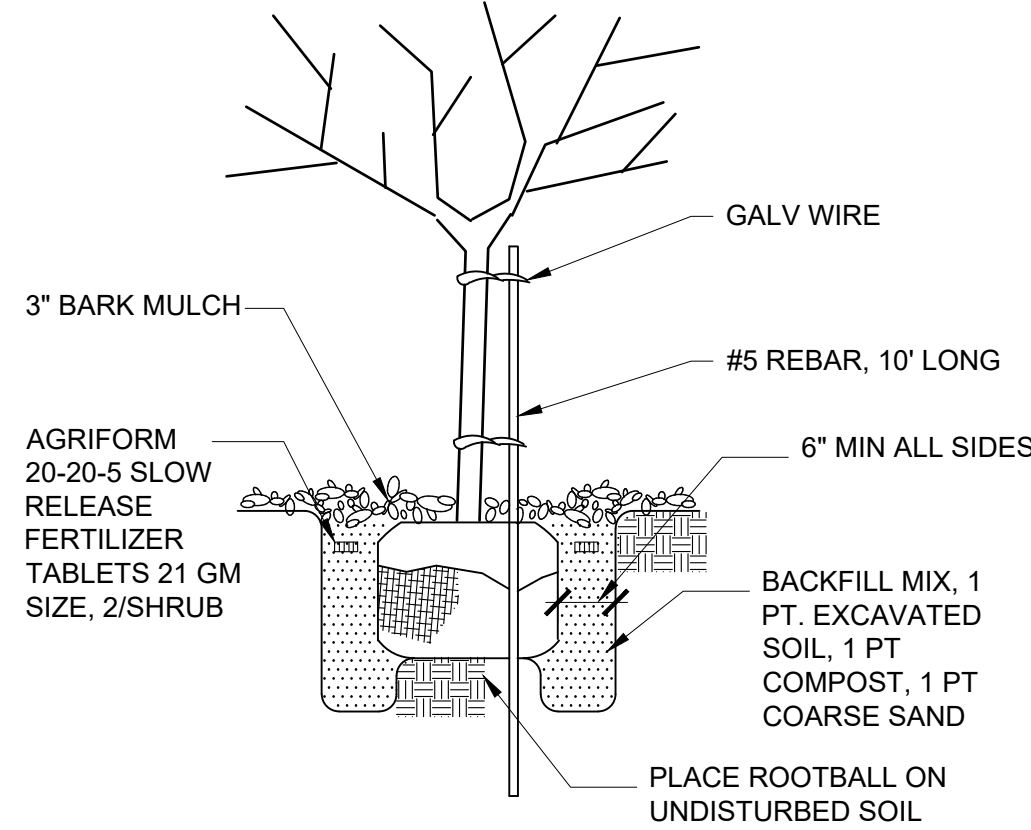


KEYED NOTES:
A. FINISH GRADE
B. FLOOD BUBBLER (SEE PLAN)
C. SCH. 80 PVC NIPPLE.
D. SCH. 40 PVC TEE.
E. LATERAL PIPE.
F. SCH. 40 PVC THREADED COUPLER

IRRIGATION BUBBLER

SCALE: NTS

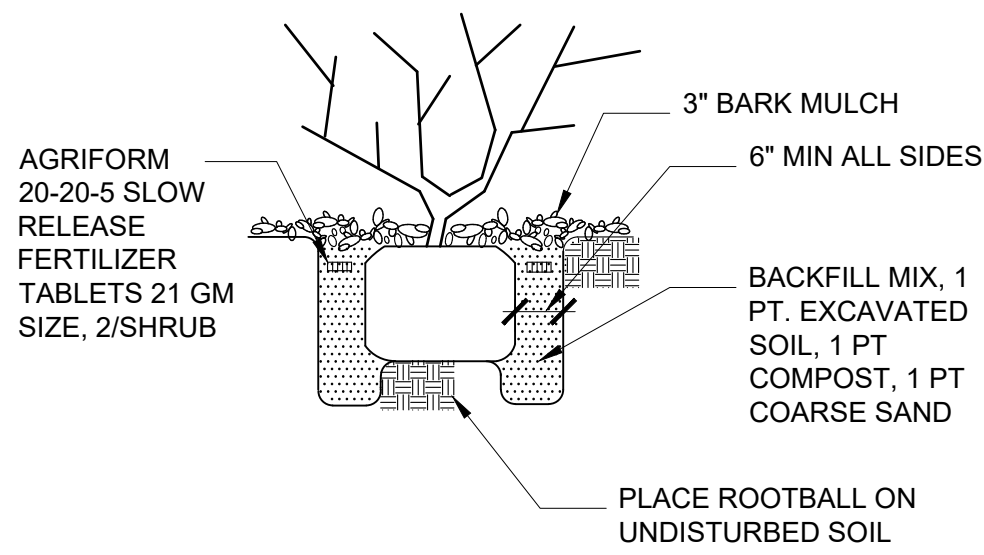
NOTE: CUT & REMOVE WIRE FROM ROOTBALL. PEEL BACK BURLAP TO EXPOSE TOP 1/3 OF ROOTBALL. CAREFULLY TAMP IN BACKFILL MIX TO INSURE ROOTBALL REMAINS INTACT



TREE PLANTING

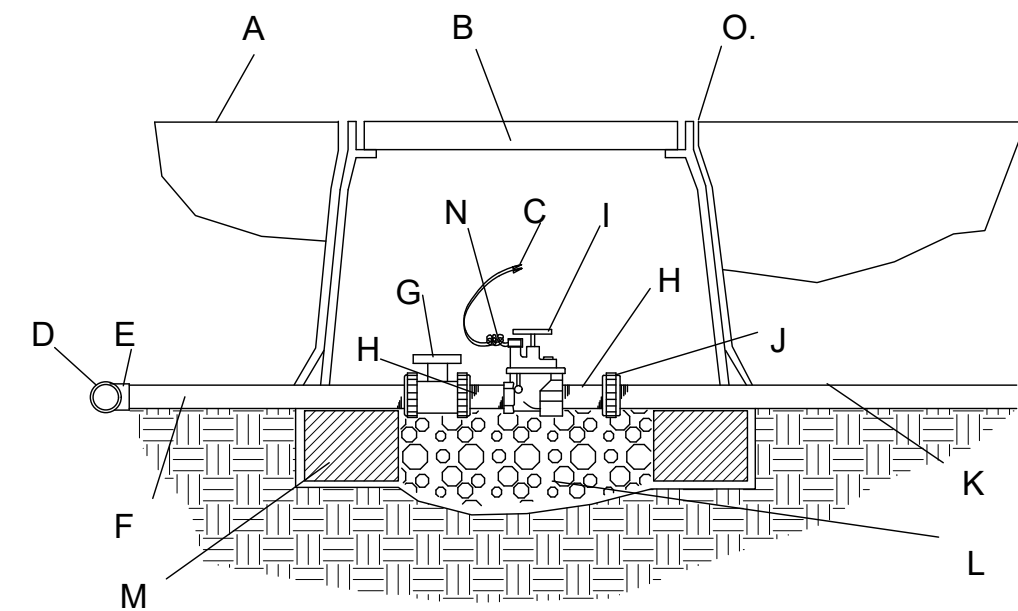
SCALE: NTS

NOTE: CONTRACTOR SHALL GRADE SOIL ADJACENT TO TREES AND SHRUBS TO ENSURE EVEN AND ADEQUATE WATERING OF ALL PLANT MATERIAL



LANDSCAPE PLANTING

SCALE: NTS

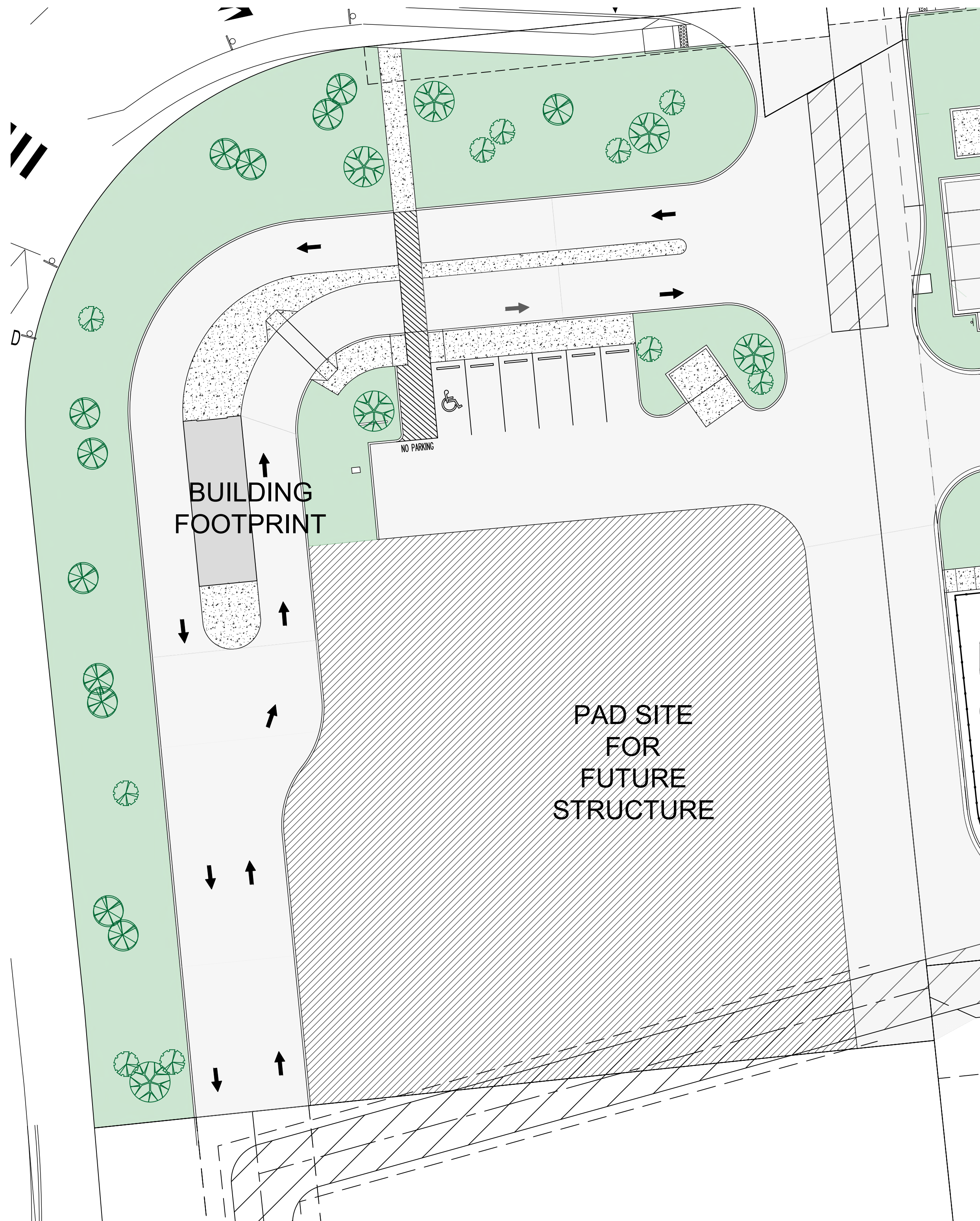


KEYED NOTES:
A. FINISH GRADE
B. BROOKS PRODUCTS, INC. 1730 PB-18 BODY (ABS) VALVE BOX W/1730 BOLT DOWN COVER (ABS) & TWO 8" EXTENSIONS.
C. DRY SPLICE CONNECTOR OR EQUAL.
D. IRRIGATION MAINLINE.
E. IRRIGATION MAINLINE SERVICE TEE OR ELL.
F. SCHEDULE 80 PVC X 12" NIPPLE.
G. SPEARS TRUE UNION SCHEDULE 80 PVC BALL VALVE.
H. SCHEDULE 80 PVC CLOSE NIPPLE
I. ELECTRIC VALVE (SEE PLAN)
J. SPEARS SCHEDULE 80 PVC UNION.
K. LATERAL LINE.
L. 1 CUBIC FOOT 1" DIA. WASHED ROCK.
M. 8" X 8" X 16" SOLID CMU BLOCK.
N. 24" WIRE EXPANSION COIL.
O. 6 mm BLACK POLYETHYLENE PLASTIC. TAPE TO ALL INLET & OUTLET PIPE & INSTALL THE FULL DEPTH OF THE VALVE BOX BOTTOM.

NOTES:
INSTALL AN 8" X 8" X 16" SOLID CMU BLOCK @ EA. CORNER OF THE VALVE BOX.
WASH ROCK SHALL BE INSTALLED FLUSH WITH BOTTOM OF PIPE & VALVE.

IRRIGATION VALVES

SCALE: NTS



LANDSCAPE PLAN

SCALE: 1" = 20'-0"



MX-L ZC
TOTAL I
BUILDIN
PAVING
PAD SIT
LANDSC
SIDEWA

A diagram of a vertical screw-down mechanism. A central vertical shaft is shown. At the top, a handle (B) is attached to a rotating wheel. Below the handle, a threaded section of the shaft passes through a horizontal plate (A). A nut (F) is threaded onto the shaft, and it is connected to a horizontal bar (C) that is part of a pulley system. The pulley system is used to lift or lower a weight (E) attached to the bottom of the shaft. The background is filled with a cross-hatched pattern.

KEYED NOTES:

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- C. SCH. 80 PVC NIPPLE.
- D. SCH 40 PVC TEE.
- E. LATERAL PIPE.
- F. SCH 40 PVC THREADED COUPLER

NOTE: CUT & REMOVE WIRE FROM ROOTBALL. PEEL BACK BURLAP TO EXPOSE TOP 1/3 OF ROOTBALL. CAREFULLY TAMP IN BACKFILL MIX TO INSURE ROOTBALL REMAINS INTACT



NOTE: CONTRACTOR SHALL GRADE SOIL ADJACENT
TO TREES AND SHRUBS TO ENSURE EVEN AND
ADEQUATE WATERING OF ALL PLANT MATERIAL



SCALE: 1" = 20'-0"



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GRAVEL MULCH

No	Revision Item	Date



KIDZ ACADEMY
7680 SAGE RD SW
ALBUQUERQUE, NM 87121

DRAWING TITLE		LANDSCAPE PLAN	
	DESIGNED	PROJECT NO	
	DRAWN	SCALE	
	CHECKED	DRAWING NO	
	REVIEWED	<div style="font-size: 48px; font-weight: bold; text-align: center;">L-101</div>	
	DATE		
	10/23/2020		