AC MARRIOTT HOTEL
INFRASTRUCTURE PLAN
1000, 1101 AND 1103 CERRILLOS RD
CASE # 2025-11380

NOTES:

1. NO VARIANCES ARE APPROVED FOR THIS DEVELOPMENT PLAN. THE CITY CODE AND APPLICATION CHAPTERS SHALL GOVERN AND APPLYTO THIS DEVELOPMENT PLAN IN ITS ENTIRETY.

2. CITY OF SANTA FE DRAINAGE:
   a. SUBJECT TO THE APPROVAL OF CITY OF SANTA FE PERMIT AND DEVELOPMENT REVIEW DIVISION STAFF, STORM DRAINAGE AND EROSION/SEDIMENT CONTROL IMPROVEMENTS SHALL BE EXECUTED IN CONJUNCTION WITH THE CONSTRUCTION OF EACH SEGMENT OF ROADS AND UTILITIES. THESE IMPROVEMENTS SHALL BE COMPLETED AND INSPECTED PRIOR TO THE ISSUANCE OF BUILDING PERMITS.

   b. MAINTENANCE OF PRIVATE DRAINAGE EASEMENTS AND DRAINAGE FACILITIES IS THE RESPONSIBILITY OF THE OWNER. THE CITY OF SANTA FE IS HEREBY GRANTED THE RIGHT TO ACCESS AND INSPECT THESE EASEMENTS AND DRAINAGE FACILITIES AT THE DISCRETION OF THE CITY. THE OWNER AGREES TO INDEMNIFY AND TO HOLD HARMLESS FROM ALL DAMAGE TO PERSONS OR PROPERTY RESULTING FROM THE CITY'S REASONABLE EXERCISE TO THEIR ACCESS AND INSPECTION RIGHT.

OWNER/DEVELOPER:

TITAN DEVELOPMENT
6300 RIVERSIDE PLAZA, SUITE 200
ALBUQUERQUE, NM 87120
505-998-0163 IAN ROBERTSON

SURVEYOR (ALTA/TOPO):

EDWARD M TRUJILLO
DAWSON SURVEYS INC
7505 MALLARD WAY, SUITE A
SANTA FE, NM
505-471-6660

PLANNER:

JENKINSGAVIN
130 GRANT AVE SUITE 101
SANTA FE, NM 87501
505-820-7444
JENKINSGAVIN.COM JENNIFER JENKINS

CIVIL ENGINEER:

TIERRA WEST,LLC
5571 MIDWAY PARK PL, NE
ALBUQUERQUE, NM
505.858.3100
TIERRAWESTLLC.COM

ARCHITECT:

5G STUDIO COLLABORATIVE, LLC
1217 MAIN STREET
DALLAS, TX 75202
214-670-0050 CHRISTINE ROBBINS-ELROD

LANDSCAPE:

YELLOWSTONE LANDSCAPE
7525 SECOND STREET NW
ALBUQUERQUE, NM 87107
505-998-9615 CODY McNALLEN

MEP:

BLUM CONSULTING ENGINEERS, INC
12790 MERIT DRIVE, BUILDING 9, SUITE 700
DALLAS, TX 75251
214-373-8222 JAKE MUSICK

SHEET LIST

ENGINEER'S STATEMENT

I, RONALD BOHANNAN, NEW MEXICO REGISTERED PROFESSIONAL ENGINEER NO. 7868, DO HEREBY STATE THAT I HAVE PERSONALLY MADE AN ON-SITE FIELD INSPECTION OF THE SUBJECT PROPERTY, AND HAVE FOUND THAT NO RECENT GRADING, FILLING, OR CUTTING, HAD TAKEN PLACE ON SAID SITE PRIOR TO THE PREPARATION OF THE TOPOGRAPHY SURVEY SHOWN ON THE PLAN HEREON.

SIGNATURE DATE

ENGINEER'S SEAL

RONALD R. BOHANNAN NEW MEXICO 7868 PROFESSIONAL ENGINEER

12-2-25

RONALD R. BOHANNAN P.E. #7868

JURISDICTION: CITY OF SANTA FE
PROJECT NAME: AC MARRIOTT HOTEL
DRAWING TYPE: COVER SHEET
DRAWING DATE: 12-2-25

SLOPE ANALYSIS

BASED ON TOPOGRAPHIC SURVEY WITH 1 FOOT CONTOUR INTERVAL AS SHOWN, ZERO PERCENT OF THE PROPERTY CONSISTS OF NATURAL SLOPES GREATER THAN THIRTY PERCENT (30%)

BASED ON PROPOSED GRADING AND DRAINAGE PLAN, THE FIRST FLOOR FINISHED ELEVATION AT ANY POINT OF NO PORTION OF THE PROPOSED BUILDING BUILT ON A NATURAL SLOPE OF TWENTY PERCENT (20%) OR GREATER. MANMADE SLOPES CONSIST OF RAMPS (ASPHALT/CONCRETE), STAIRWAYS AND ADJACENT AREAS. THESE STRUCTURES WILL BE REMOVED PRIOR TO STRAT OF BUILDING CONSTRUCTION.

CERRILLOS RD

1103 CERRILLOS RD

1101 CERRILLOS RD

1006 CERRILLOS RD

1000 CERRILLOS RD

PLAT Bk-561, Pg.03
W.DEED #704193

W. DEED Bk-1630, Pg.648-650

PLAT Bk-435, Pg.37

CARWASH
N/F LEAH M. KELLOGG
EXCURIX DEED BK-278 PG-408
PLAT BK-359 PG-033
SURVEY BY
JAMES J. MEDRANO

AT AND SF RR

PEN RD

PEN ROAD

EDGE OF PAVEMENT

128.14'
S29°33'03"W

GRAPHIC SCALE

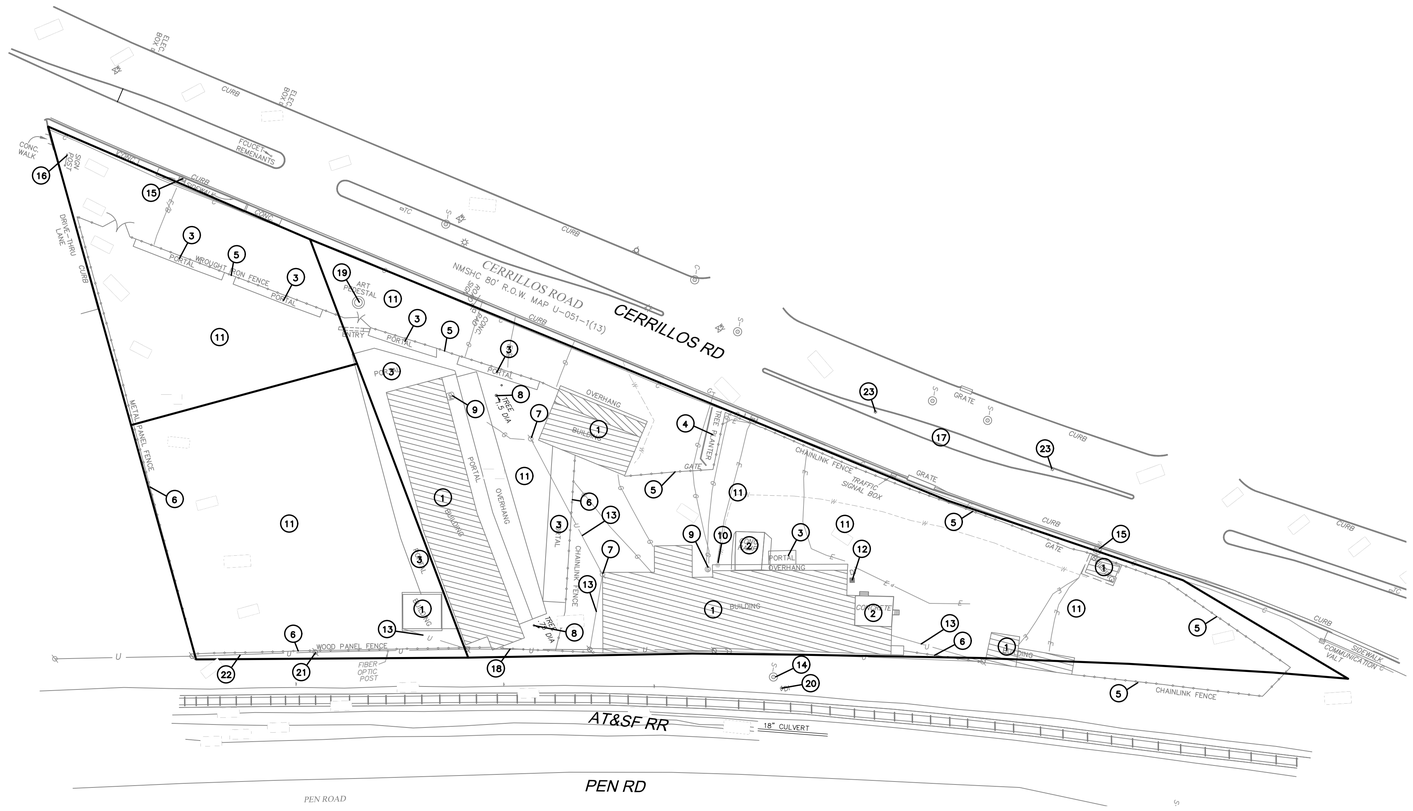
30 0 15 30

(IN FEET)
1 inch = 30 ft.

LEGEND

- AREA OF 30% OR GREATER (MAN MADE/DISTURBED)
- AREA OF 20% TO 30% (MAN MADE/DISTURBED)

ENGINEER'S SEAL	AC MARRIOTT HOTEL 1000, 1006, 1101 AND 1103 CERRILLOS RD SANTA FE, NM	DRAWN BY pm
RONALD R. BOHANNAN NEW MEXICO 7868 PROFESSIONAL ENGINEER 12-2-25	TERRAIN MANAGEMENT PLAN	DATE 12-2-25
RONALD R. BOHANNAN P.E. #7868	TIERRA WEST, LLC 5571 MIDWAY PARK PL NE ALBUQUERQUE, NEW MEXICO 87109 (505) 858-3100 www.tierrawestllc.com	DRAWING SHEET # TR-1 JOB # 2025080



KEYED NOTES

1. REMOVE AND DISPOSE EXISTING BUILDING ANS APPURTENANCES
2. REMOVE AND DISPOSE EXISTING CONCRETE
3. REMOVE AND DISPOSE EXISTING COVERED AREA
4. REMOVE AND DISPOSE EXISTING PLANTER
5. REMOVE AND DISPOSE EXISTING FENCE AND GATE
6. REMOVE AND DISPOSE EXISTING FENCE
7. REMOVE AND DISPOSE EXISTING POWER POLE
8. REMOVE AND DISPOSE EXISTING TREE
9. REMOVE AND DISPOSE EXISTING GAS METER
10. REMOVE AND DISPOSE EXISTING CLEANOUT
11. REMOVE AND DISPOSE EXISTING ASPHALT AND/OR GRAVEL
12. REMOVE AND DISPOSE EXISTING INLET
13. REMOVE AND DISPOSE EXISTING POWER LINE
14. EXISTING SAS MH TO REMAIN
15. REMOVE AND DISPOSE EXISTING WATER METER
16. REMOVE AND DISPOSE EXISTING SIGN AND POSTS
17. REMOVE AND DISPOSE MEDIAN CURB AND LANDSCAPING
18. REMOVE AND DISPOSE 410 LF EXISTING OVERHEAD POWER LINE AND 4 POWER POLES
19. REMOVE AND DISPOSE EXISTING ART PEDESTAL
20. EXISTING DROP INLET TO REMAIN
21. EXISTING POWER POLE TO REMAIN
22. EXISTING POWER LINE TO REMAIN
23. REMOVE AND SALVAGE EXISTING LIGHTS

GENERAL DEMOLITION AND REMOVAL NOTES:

1. ITEMS OF SITE DEMOLITION SHALL BE GOVERNED BY THE CITY OF SANTA FE PUBLIC WORKS
2. REGULATORY REQUIREMENTS

a. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS REQUIRED FOR DEMOLITION, PAYING ALL SPECIFIED FEES.

b. CONFORM TO ALL APPLICABLE CODES AND REGULATIONS FOR DEMOLITION, SAFETY OF ADJACENT STRUCTURES, DUST CONTROL, RUNOFF CONTROL AND DISPOSAL OF DEBRIS.

c. NOTIFY AFFECTED UTILITY COMPANIES BEFORE STARTING WORK AND COMPLY WITH THEIR REQUIREMENTS.

d. DO NOT CLOSE OR OBSTRUCT ROADWAYS AND FIRE HYDRANTS WITHOUT PERMITS.

e. CONFORM TO APPLICABLE REGULATORY PROCEDURES WHEN DISCOVERING HAZARDOUS MATERIALS OR CONTAMINATED MATERIALS.

3. DEMOLITION REQUIREMENTS

a. CONDUCT DEMOLITION TO MINIMIZE INTERFERENCE WITH ADJACENT ITEMS.

b. CEASE OPERATIONS IMMEDIATELY IF ADJACENT STRUCTURES APPEAR TO BE IN DANGER. DO NOT RESUME OPERATIONS UNTIL DIRECTED.

4. DEMOLITION

a. IT IS THE INTENT OF THIS PLAN THAT ALL EXISTING BUILDINGS, PAVEMENTS, SIDEWALK, TREES AND OTHER ABOVE GROUND FEATURES WITHIN THE PROJECT LIMITS SHALL BE DEMOLISHED AND REMOVED FROM THE SITE UNLESS OTHERWISE INDICATED.

b. SEE THE SITE UTILITY PLAN FOR CONNECTIONS AND NEW LOCATIONS OF THE EXISTING UTILITIES ON THE SITE. COORDINATE ALL RELOCATIONS AND INTERRUPTION OF SERVICE WITH APPROPRIATE UTILITY COMPANY. ALLOW ADEQUATE TIME FOR SCHEDULING.

c. ALL FOUNDATIONS SHALL BE REMOVED TO 18" BELOW PROPOSED GRADE. ANY FOUNDATIONS NOT COMPLETELY REMOVED SHALL HAVE ANY PIPES PLUGGED WITH NON-SHRINK GROUT AND THE FLOOR RUBBLIZED.

d. BACKFILL AREAS EXCAVATED AND ANY OPEN PITS AND HOLES CAUSED AS A RESULT OF DEMOLITION WITH PIT RUN SAND AND GRAVEL.

e. ROUGH GRADE AND COMPACT AREAS AFFECTED BY DEMOLITION TO MAINTAIN SITE GRADES AND CONTOURS. PROVIDE POSITIVE DRAINAGE.

f. REMOVE DEMOLISHED MATERIALS FROM SITE AND LEGALLY DISPOSE OF AT A SITE TO BE ARRANGED FOR BY CONTRACTOR.

g. DO NOT BURN OR BURY MATERIALS ON SITE. LEAVE SITE IN CLEAN CONDITION.

h. EXISTING TREES SHALL BE COMPLETELY REMOVED BELOW EXISTING GROUND ELEVATION INCLUDING ALL ROOTS. STUMPS SHALL NOT BE BURIED ON SITE.

i. EXISTING TOPSOIL TO BE REMOVED AND STOCK PILED ON SITE FOR USE IN PLATING SLOPES AS DIRECTED BY OWNER.

5. PROVIDE FULL DEPTH SAW CUTS AT EDGES OF EXISTING PAVEMENT AND SIDEWALK REMOVAL LOCATIONS AS REQUIRED.

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.

CAUTION

ALL EXISTING UTILITIES SHOWN WERE OBTAINED FROM RESEARCH, AS-BUILTS, SURVEYS OR INFORMATION PROVIDED BY OTHERS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO AND INCLUDING ANY EXCAVATION, TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS, PRIOR TO STARTING THE WORK. ANY CHANGES FROM THIS PLAN SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.

ENGINEER'S SEAL

RONALD R. BOHANNAN NEW MEXICO 7868 PROFESSIONAL ENGINEER

12-2-25

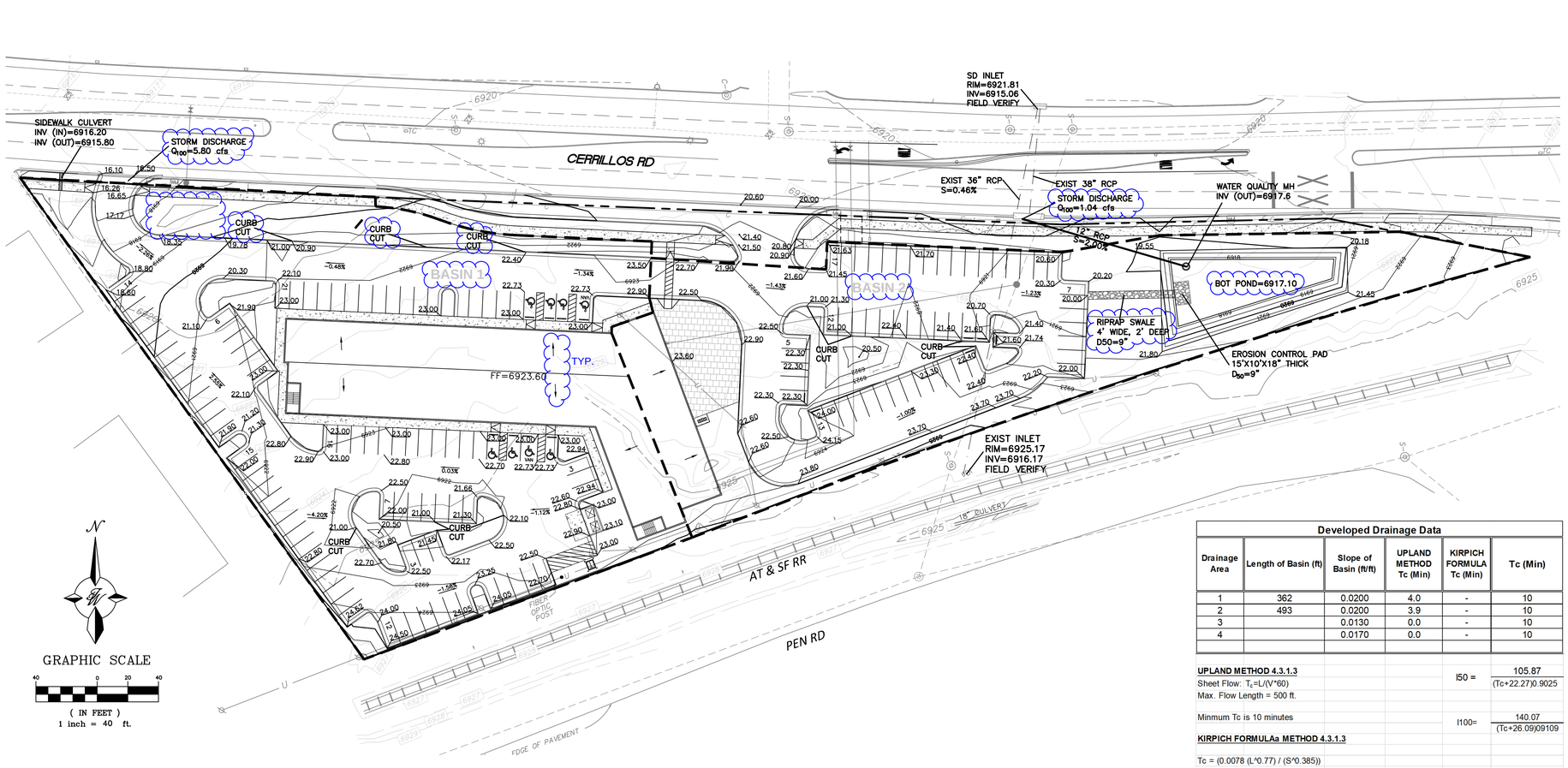
RONALD R. BOHANNAN P.E. #7868

1000, 1101, 1103 CERRILLOS RD SANTA FE, NM

DEMOLITION PLAN

TIERRA WEST, LLC
5571 MIDWAY PARK PL NE
ALBUQUERQUE, NEW MEXICO 87109
(505) 858-3100
www.tierrawestllc.com

DRAWN BY: pm
DATE: 12-2-25
DRAWING: 2025080-DEMO
SHEET #: DEM-1
JOB #: 2025080



VICINITY MAP

GRAPHIC SCALE

40 0 20 40

(IN FEET)
1 inch = 40 ft.

LEGEND

- CURB & GUTTER
- BOUNDARY LINE
- BUILDING
- PROPOSED HYDRANT
- NEW SD MH
- AREA INLET
- EXISTING SAS MH
- EXISTING GATE VALVE
- EXISTING WATERLINE
- EXISTING SAS
- RETAINING WALL
- WATER BLOCK
- STORM DRAIN
- BASINS

NOTICE TO CONTRACTORS

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HERON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF SANTA FE SPECIFICATIONS
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONNECTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. BACKFILL COMPACTION SHALL BE ACCORDING TO TRAFFIC/STREET USE.
6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
7. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.

EROSION CONTROL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL (CITY) ACCEPTANCE OF ANY PROJECT.
6. ALL SLOPES NOT STABILIZED AT THE END OF THE PROJECT SHALL BE STABILIZED IN ACCORDANCE WITH COA SPECS OR ¾" GRAVEL

NOTE
ALL PROPOSED GRADES ARE TO FLOWLINE UNLESS OTHERWISE INDICATED

ALL PROPOSED SLOPES ARE 3:1 MAXIMUM UNLES OTHERWISE NOTED

RIPRAP: DUMPED, 18" DEPTH W/CLASS 1 NON-WOVEN GEOTEXTILE PER NMDOT SPECS, D50=9"

ENGINEER'S STORMWATER INFRASTRUCTURE CERTIFICATION

I, THE UNDERSIGNED PROFESSIONAL ENGINEER IN THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THE RECORD INFORMATION SHOWN HEREON IS BASED ON ACTUAL FIELD MEASUREMENTS AND VISUAL INSPECTIONS PERFORMED BY MYSELF OR UNDER MY DIRECT SUPERVISION. I FURTHER CERTIFY THAT THE RECORD CONDITION AS OF _____ IS IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED GRADING AND DRAINAGE PLAN PREPARED BY _____, DATED _____.

_____
SIGNATURE NMPE#_____ DATE

Developed Drainage Data

Drainage Area	Length of Basin (ft)	Slope of Basin (ft/ft)	UPLAND METHOD Tc (Min)	KIRPICH FORMULA Tc (Min)	Tc (Min)
1	362	0.0200	4.0	-	10
2	493	0.0200	3.9	-	10
3		0.0130	0.0	-	10
4		0.0170	0.0	-	10

UPLAND METHOD 4.3.1.3
Sheet Flow: T_c=L/(V*60)
Max. Flow Length = 500 ft.

I50 = 105.87
(Tc+22.27)0.9025

Minmum Tc is 10 minutes

I100= 140.07
(Tc+26.09)09109

KIRPICH FORMULAa METHOD 4.3.1.3

Tc = (0.0078 (L^0.77) / (S^0.385))
Minmum Tc is 10 minutes
L=Longest length for drainage
S=Average Slope in foot per foot

Existing Drainage Data

Drainage Area	Area (Sq. Ft.)	Area (Ac)	Tc (Min)	C-value	I_{50yr} (in/hr)	Q_{50yr} (cfs)	V_{50yr} (ac-ft)	I_{100yr} (in/hr)	Q_{100yr} (cfs)	V_{100yr} (ac-ft)
1	148,023	3.398	10.00	0.83	2.82	7.99	0.82	3.13	8.86	**0.936**

Proposed Drainage Data

Drainage Area	Area (Sq. Ft.)	Area (Ac)	Tc (Min)	C-value	I_{50yr} (in/hr)	Q_{50yr} (cfs)	V_{50yr} (ac-ft)	I_{100yr} (in/hr)	Q_{100yr} (cfs)	V_{100yr} (ac-ft)
Basin 1	90,631	2.081	10.00	0.88	2.82	5.23	0.54	3.13	5.80	0.613
Basin 2	57,392	1.318	10.00	0.90	2.82	3.37	0.35	3.13	3.74	0.395
Totals	**148,023**	**3.398**				**8.6**	**0.9**		**9.5**	**1.008**

V_{100yr}= ARC/12
A= 100% of contributing watershed area in acres
R= Rainfall in inches Taken from NOAA Atlas 14, Volume 1, Version 5 for 100-year, 24-hr event = 3.13 inches
C= Runoff Factor

Existing Developed Weighted "C" Values

Drainage Area	Area (Sq. Ft.)	Area (Ac)	Percent Impervious Surface	Percent Landscaping	C-Value for Impervious Surface	C-value for Landscaping/ Gravel	Weighted C-Value
Total Site	148,023	3.398	68%	32%	0.98	0.50	0.83
	Total	3.398					

Proposed Developed Weighted "C" Values

Drainage Area	Area (Sq. Ft.)	Area (Ac)	Percent Impervious Surface	Percent Landscaping	C-Value for Impervious Surface	C-value for Landscaping	Weighted C-Value
Basin 1	90,631	2.081	80%	20%	0.98	0.50	0.88
Basin 2	57,392	1.318	83%	17%	0.98	0.50	0.90
	Total	3.398					

VOLUME CALCULATIONS

AC Hotel
NORTH POND

Ab - Bottom Of The Pond Surface Area
At - Top Of The Pond Surface Area
D - Water Depth
Dt - Total Pond Depth
C - Change In Surface Area / Water Depth

Volume = Ab * D + 0.5 * C * D²
C = (At - Ab) / Dt

Ab =	2,865.00	B.O.P.=	6917.60
At =	4,445.00	T.O.P. =	6919.55
Dt =	1.95		
C =	810.26		
B Elev. =	6,917.60		

ACTUAL ELEV.	DEPTH (FT)	VOLUME (AC-FT)	Q (CFS)
6917.60	0	0	0.000
6918.60	1.00	0.0751	0.697
6919.55	1.95	0.1636	1.042

Orifice Equation
Q = CA SQRT(2gH)

C =	0.6
Diameter (in)	5.5
Area (ft^2)=	0.164988156
g =	32.2
H (Ft) =	Depth of water above center of orifice
Q (CFS)=	Flow

CAUTION

ALL EXISTING UTILITIES SHOWN WERE OBTAINED FROM RESEARCH, AS-BUILTS, SURVEYS OR INFORMATION PROVIDED BY OTHERS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO AND INCLUDING ANY EXCAVATION, TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS, PRIOR TO STARTING THE WORK. ANY CHANGES FROM THIS PLAN SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.

ENGINEER'S SEAL
RONALD R. BOHANNAN NEW MEXICO 7868 PROFESSIONAL ENGINEER
12-2-25
RONALD R. BOHANNAN P.E. #7868

1000, 1101, 1103 CERRILLOS RD
SANTA FE, NM

GRADING AND DRAINAGE PLAN

TIERRA WEST, LLC
5571 MIDWAY PARK PL NE
ALBUQUERQUE, NEW MEXICO 87109
(505) 858-3100
www.tierrawestllc.com

DRAWN BY: pm
DATE: 12-2-25
DRAWING:
SHEET #: GR-1
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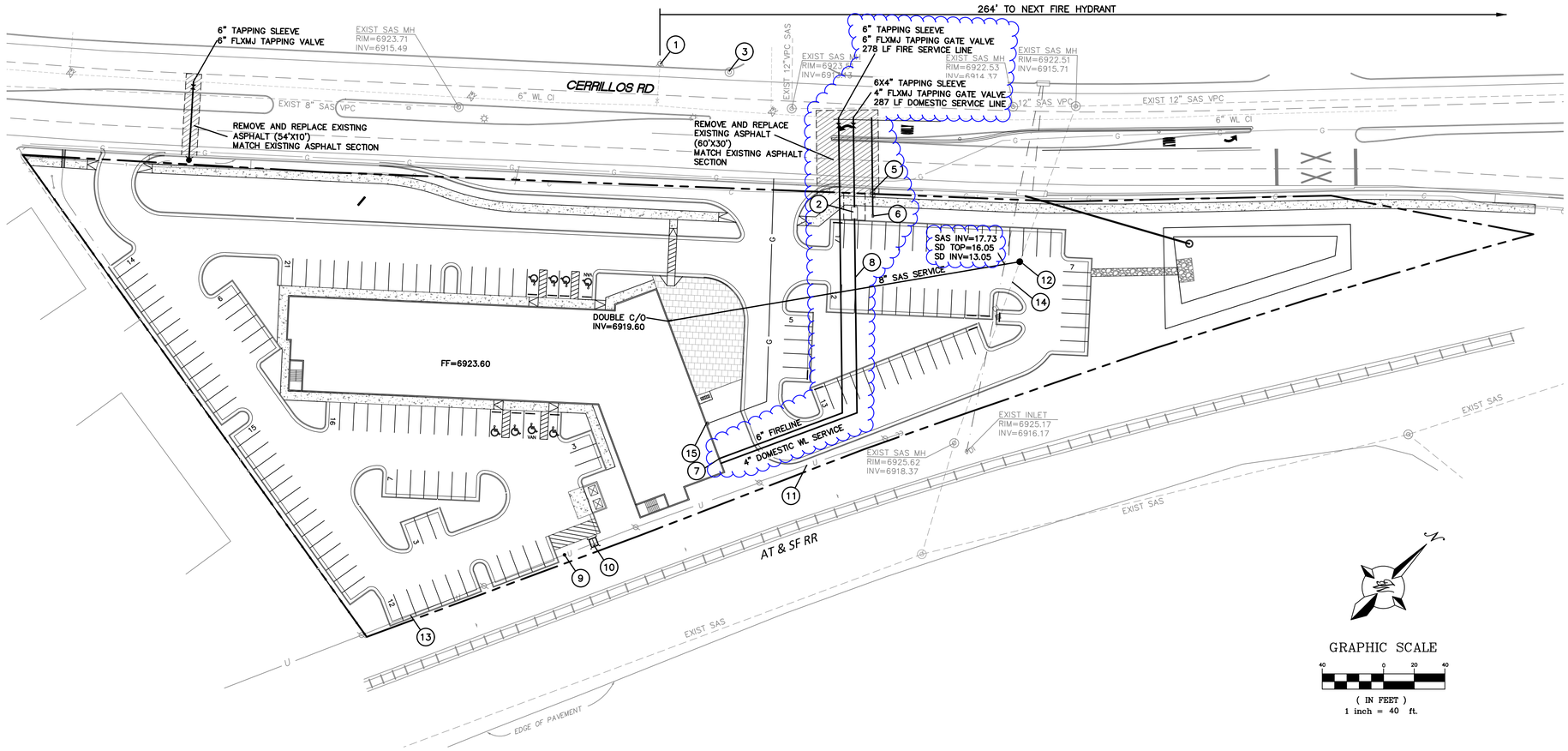

LEGEND

- CURB & GUTTER
- BOUNDARY LINE
- BUILDING
- EXISTING CURB & GUTTER
- EXISTING SAS MH
- EXISTING GATE VALVE
- EXISTING WATERLINE
- EXISTING SAS
- 8" SAS — SANITARY SEWER LINE
- 8" WL — WATERLINE
- PROPOSED HYDRANT
- NEW SAS MH
- NEW WATER VALVE
- NEW SINGLE WATER METER
- SAWCUT LINE
- EXISTING GAS LINE
- G — NEW GAS LINE

GRAPHIC SCALE

40 0 20 40

(IN FEET)

1 inch = 40 ft.

KEYED NOTES

1. EXISTING FIRE HYDRANT (PUBLIC)
2. 4" DOMESTIC SERVICE METER AND VAULT
3. EXISTING UTILITY VAULT
4. EXISTING 10" SAS SDR26, S=1.75%
5. 1" IRRIGATION METER/SERVICE
6. BACKFLOW PREVENTER (IRRIGATION) REFERENCE LANDSCAPE IRRIGATION PLAN SHEETS LI-101 AND LI-102 FOR CONTINUATION
7. 6" BACKFLOW PREVENTER LOCATED INSIDE BUILDING
8. 4" DOMESTIC SERVICE WL
9. NEW POWER POLE W/SERVICE RISER
10. TRANSFORMER
11. REMOVE 410 LF EXISTING OVERHEAD POWER LINE AND 4 POWER POLES
12. NEW 4' SAS MANHOLE
    RIM=6920.72
    INV=6917.90
    EXIST INVERT TO BE FIELD VARIFIED
13. EXISTING OVERHEAD POWER LINE TO REMAIN
14. EXISTING 10" VPC SAS
15. GAS METER
16. PROPOSED FIRE HYDRANT, 6"X12" TEE, 6" GATE VALVE

GENERAL UTILITY NOTES:

1. ALL WATER AND SEWER UTILITY WORK TO BE DONE IN ACCORDANCE WITH CITY OF SANTA FE STANDARDS AND SPECIFICATIONS LATEST EDITION.
2. 4' MINIMUM BURY REQUIRED FOR ALL UTILITIES UNLESS OTHERWISE NOTED.
3. REFERENCE PLUMBING PLANS FOR WATER LINE RISER LOCATIONS. BACKFLOW PREVENTOR LOCATED INSIDE BUILDING UNLESS OTHERWISE NOTED ON THIS PLAN
4. CLEAN OUTS ARE TO BE BUILT PER UNIFORM PLUMBING CODE STANDARDS AT LOCATIONS INDICATED AND AT MID RUN IF LONGER THAN 100'
5. ALL PLUMBING PIPE MATERIAL TO BE USED PER UPC.
6. FIRE LINE AND DOMESTIC WATERLINE MUST HAVE BACKFLOW PREVENTORS PER UPC. TO BE PROVIDED IN THE BUILDING UNLESS OTHERWISE NOTED ON THIS PLAN
7. ALL EX. SD INLETS AND MH'S SHALL HAVE CONCRETE COLLARS POURED AND BE ADJUSTED TO FINISHED GRADE.
8. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
9. ALL UTILITY DISTANCES SHOWN ARE FOR REFERENCE ONLY.
10. PNM HAS NUMEROUS ELECTRIC FACILITIES AT THIS SITE CURRENTLY SERVING EXISTING CUSTOMERS. THE APPLICANT SHALL COORDINATE WITH PNM REGARDING THESE EXISTING FACILITIES. ANY RELOCATION, CHANGES OR REALIGNMENT OF EXISTING ELECTRIC UTILITIES WILL BE THE DEVELOPER EXPENSE. IN SOME CASES, RELOCATION OR CHANGES TO EXISTING FACILITIES MAY NOT BE FEASIBLE DUE TO PHYSICAL, USE OR SAFETY CLEARANCE CONSTRAINTS.
11. PNM WILL REVIEW ALL TECHNICAL NEEDS, ISSUES AND SAFETY CLEARANCES FOR ITS ELECTRIC POWER SYSTEMS. ANY EXISTING AND PROPOSED PUBLIC UTILITY EASEMENTS SHALL BE INDICATED ON THE SITE PLAN UTILITY SHEET PNM'S STANDARD FOR PUBLIC UTILITY EASEMENTS IS 10 FEET IN WIDTH TO ENSURE ADEQUATE, SAFE CLEARANCES.
12. SCREENING SHALL BE DESIGNED TO ALLOW FOR ACCESS TO UTILITY FACILITIES. IT IS NECESSARY TO PROVIDE ADEQUATE CLEARANCE OF TEN FEET SURROUNDING ALL GROUND-MOUNTED UTILITIES FOR SAFE OPERATION, MAINTENANCE AND REPAIR PURPOSES.

CAUTION

ALL EXISTING UTILITIES SHOWN WERE OBTAINED FROM RESEARCH, AS-BUILTS, SURVEYS OR INFORMATION PROVIDED BY OTHERS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO AND INCLUDING ANY EXCAVATION, TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS, PRIOR TO STARTING THE WORK. ANY CHANGES FROM THIS PLAN SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.

ENGINEER'S SEAL

RONALD R. BOHANNAN NEW MEXICO 7868 PROFESSIONAL ENGINEER

12-2-25

RONALD R. BOHANNAN P.E. #7868

1000, 1101, 1103 CERRILLOS RD SANTA FE, NM

MASTER UTILITY PLAN

TIERRA WEST, LLC
5571 MIDWAY PARK PL NE
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(505) 858-3100
www.tierrawestllc.com

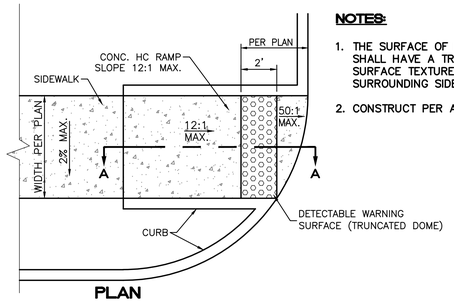
DRAWN BY: pm

DATE: 12-2-25

DRAWING

SHEET # MU-1

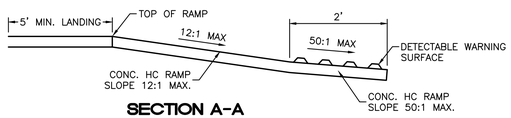
JOB # 2025080



PLAN

NOTES:

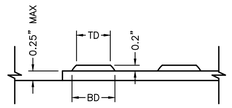
1. THE SURFACE OF RAMP AND SIDES SHALL HAVE A TRANSVERSE BROOMED SURFACE TEXTURE ROUGHER THAN THE SURROUNDING SIDEWALK.
2. CONSTRUCT PER A.D.A. STANDARDS.



SECTION A-A

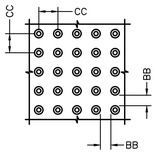
UNIDIRECTIONAL HC RAMP

NOT TO SCALE



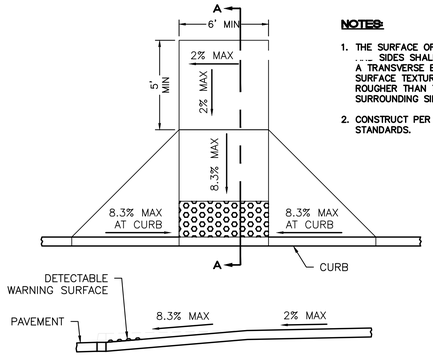
DOME SECTION

BD – BASE DIAMETER 0.9" MIN
TD – TOP DIAMETER 50% OF BD MIN TO 65% OF BD MAX



DOME SPACING

CC – CENTER TO CENTER SPACING 2.35"
BB – BASE TO BASE SPACING 1.48" MIN



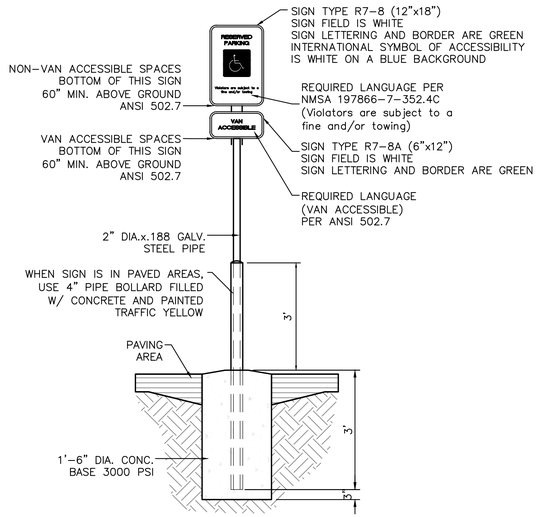
NOTES:

1. THE SURFACE OF RAMP AND SIDES SHALL HAVE A TRANSVERSE BROOMED SURFACE TEXTURE ROUGHER THAN THE SURROUNDING SIDEWALK.
2. CONSTRUCT PER A.D.A. STANDARDS.

SECTION A-A

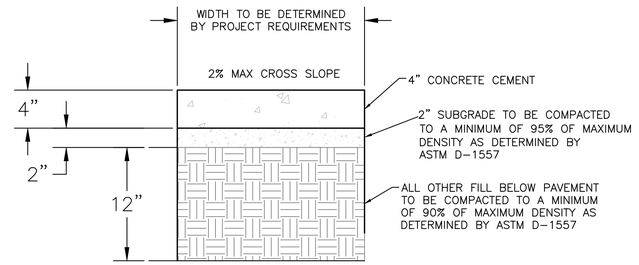
FLAIRED CURB HC RAMP

NOT TO SCALE



ACCESSIBLE PARKING SIGN

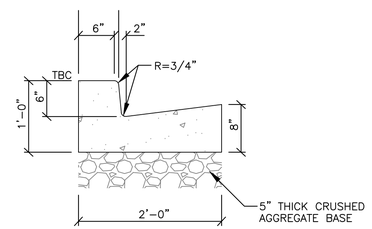
NTS



CONCRETE SIDEWALK SECTION

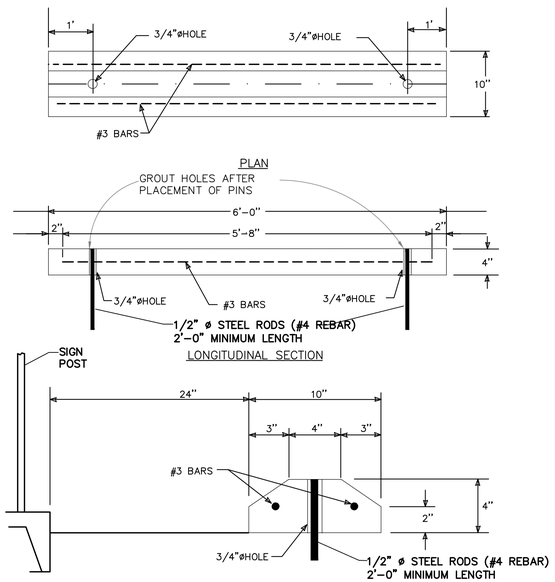
ALL SIDEWALKS SHALL BE PER NMDOT STANDARDS AND BE ADA COMPLIANT

1

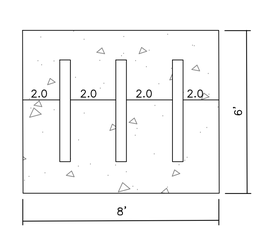


STANDARD CURB AND GUTTER

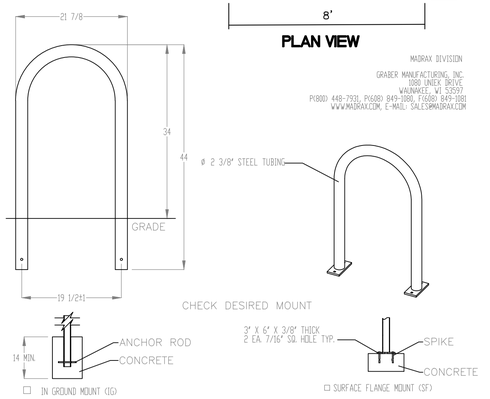
NTS



WHEEL STOP



PLAN VIEW



MADRAX DIVISION
GRABER MANUFACTURING, INC.
1089 UNEK DRIVE
WAUNAKEE, WI 53597
P(800) 448-7931, P(608) 849-1888, F(608) 849-1081
WWW.MADRAX.COM, E-MAIL: SALES@MADRAX.COM

PRODUCT: U238-1G(SF)
DESCRIPTION 'U' BIKE RACK
2 BIKE, SURFACE OR IN GROUND MOUNT

DATE: 10-4-18
ENG: SMC

NOTES:
1. INSTALL BIKE RACKS ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
2. CONSULTANT TO SELECT COLOR (FINISH). SEE MANUFACTURER'S SPECIFICATIONS.
3. SEE SITE PLAN FOR LOCATION OR CONSULT OWNER.
3. BIKE RACK SHALL HAVE A 1-FTDIT CLEAR ZONE ALL AROUND.
3. EACH BIKE RACK SPACE SHALL BE AT LEAST 6 FEET LONG AND 2 FEET WIDE.

BIKE RACK DETAIL

SCALE: NONE

ENGINEER'S SEAL

RONALD R. BOHANNAN
NEW MEXICO
7868
PROFESSIONAL ENGINEER

12-2-25

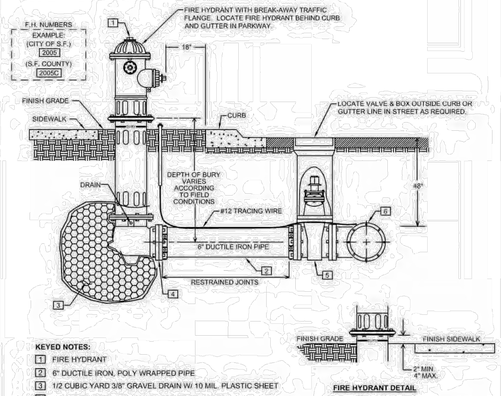
RONALD R. BOHANNAN
P.E. #7868

1000, 1101, 1103 CERRILLOS RD
SANTA FE, NM

CONSTRUCTION DETAILS

TIERRA WEST, LLC
5571 MIDWAY PARK PL NE
ALBUQUERQUE, NEW MEXICO 87109
(505) 858-3100
www.tierrawestllc.com

DRAWN BY: pm
DATE: 12-2-25
DRAWING: 2025080-DET
SHEET #: DET-1
JOB #: 2025080



KEYED NOTES:

1. FIRE HYDRANT
2. 6" DUCTILE IRON, POLY WRAPPED PIPE
3. 1/2 CUBIC YARD 3/8" GRAVEL DRAIN W/ 10 MIL. PLASTIC SHEET
4. 6" MJ RETAINER AND 6" HARNESS (IF REQUIRED)
5. 6" MJ x FL GATE VALVE & BOX
6. TEE: MJ RUN W/ 6" FLANGE OUTLET

FIRE HYDRANT DETAIL

CONSTRUCTION NOTES:

A - FIRE HYDRANT SHALL NOT BE INSTALLED NEAR ANY STRUCTURES AND SHALL HAVE A MINIMUM 36" CLEAR SPACE IN ALL DIRECTIONS.

B - LOCATE HYDRANT 18" BEHIND BACK OF CURB UNLESS OTHERWISE SHOWN ON PLANS OR SPECIFICALLY DIRECTED BY CoSFWD HYDRANT TO BE SET PLUMB AND AT PROPER ELEVATION (ELEVATION PROVIDED BY DEVELOPER) HYDRANTS INSTALLED AS PART OF A NEW DEVELOPMENT/EXTENSION SHALL BE A STANDARD 5' BURY HYDRANT AND SHALL BE SET TO FINISHED GRADE WITHOUT THE USE OF HYDRANT EXTENSIONS (IF AN ADJUSTMENT IS REQUIRED, RE-LAY THE WATER MAIN AND FIRE HYDRANT LEG OR INSTALL RESTRAINED OFFSET AS DIRECTED BY CoSFWD)

C - WEEP HOLE MUST HAVE 1/4" PLUG REMOVED AND BE FREE DRAINING INTO GRAVEL DRAIN. USE FULLY RESTRAINED JOINTS FROM THE FIRE HYDRANT TO THE FLANGED CONNECTION ON VALVE.

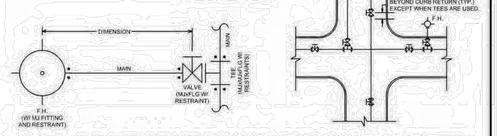
D - FIRE HYDRANT SHALL BE PAINTED AND REFLECTIVE NUMBERS INSTALLED AFTER INSTALLATION.

CITY OF SANTA FE WATER DIVISION
SANTA FE, NEW MEXICO
STANDARD DETAILS

FIRE HYDRANT — 07

DRAWN BY: | DATE: 08/2008
CHECKED: | SCALE:
APPROVED:

VALVE INSTALLATION



VALVES

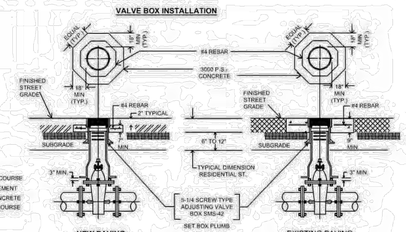
1.) VALVES SHALL BE LOCATED AT ROAD INTERSECTIONS WITH THE INTENT OF ISOLATING THE WATER DISTRIBUTION SYSTEM, AS APPROVED BY CoSFWD.

2.) INLINE VALVES SHALL TYPICALLY BE INSTALLED FIVE (5) FEET BEYOND THE CURB RETURN, AS SHOWN IN THE DETAIL, AND CONSIST OF MECHANICAL JOINT FITTINGS WITH RESTRAINTS EXCEPT WHEN USING TEES, WHICH SHALL HAVE MECHANICAL JOINT x FLANGE FITTING.

3.) VALVES ON FIRE HYDRANT LEGS SHALL HAVE MECHANICAL JOINT x FLANGE FITTINGS AND SHALL CONNECT TO FIRE HYDRANT TEE WITH THE FLANGE FITTING AND THE MECHANICAL JOINT FITTING SHALL HAVE A RESTRAINT, AS SHOWN IN THE DETAIL.

4.) VALVES ON TEES SHALL HAVE VALVES AND TEES WITH MECHANICAL JOINT x FLANGE FITTINGS. THE MECHANICAL JOINT FITTING SHALL HAVE A RESTRAINT, AS SHOWN IN THE DETAIL.

VALVE BOX INSTALLATION



LEGEND

- FINAL PAVING COURSE
- EXISTING PAVEMENT
- 3000 P.S.I. CONCRETE
- 1 ST. PAVING COURSE
- SUBGRADE

NEW PAVING VALVE BOXES SHALL BE INSTALLED AND RAISED TO GRADE IN THE FOLLOWING MANNER FOR NEW PAVING:

1.) VALVE BOX SHALL BE INSTALLED OVER VALVE DURING MAIN INSTALLATION. TOP OF VALVE BOX SHALL BE LEFT BELOW THE TOP OF SUBGRADE UNTIL VALVE IS READY TO BE RAISED TO FINAL GRADE.

2.) WHEN THE VALVE BOX IS READY TO BE RAISED, AN OCTAGON SHAPE SHALL BE CUT-OUT AROUND THE VALVE BOX FROM THE FIRST PAVING LIFT (AS SHOWN IN THE DETAILS) THE VALVE BOX SHALL BE RAISED TO THE FINISHED STREET GRADE. THE SOIL AROUND THE VALVE BOX SHALL BE THOROUGHLY COMPACTED IN ACCORDANCE WITH CITY STANDARDS. THE CONCRETE COLLAR (CONSISTING OF 3,000 PSI CONCRETE AND #4 REBAR) SHALL BE POURED FLUSH WITH THE TOP OF THE FIRST PAVING COURSE (INCLUDING HAND RODDING CONCRETE TO REMOVE VOIDS) AND THE VALVE BOX SHALL BE PROTECTED FROM VEHICULAR TRAFFIC FOR 24 HOURS.

EXISTING PAVING INSTALL VALVE BOXES PER "NEW PAVING" (SEE ABOVE) WITH THE CONCRETE COLLAR POURED FLUSH WITH THE FINISHED GRADE OF THE EXISTING PAVING WITH A SMOOTH TROWELED FINISH. NOTE: IF EXCAVATION OVER 42" SQUARE IS REQUIRED TO ADJUST VALVE BOX TO GRADE, "NEW PAVING" CONCRETE COLLAR PROCEDURE SHALL BE FOLLOWED AS WELL AS ANY NECESSARY PAVING SHALL BE COMPLETED.

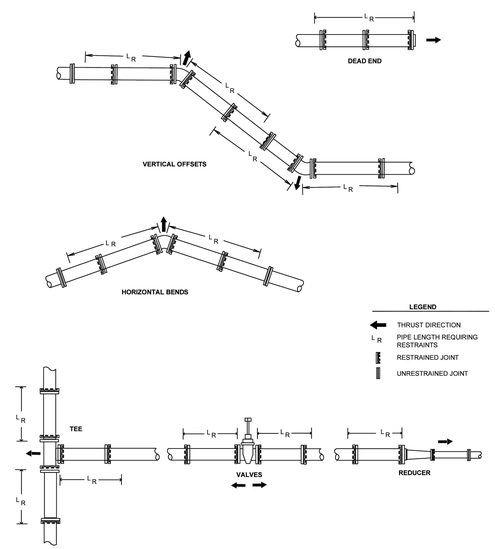
UNPAVED AREAS IN DIRT OR GRAVEL STREETS, TOP OF VALVE BOX AND CONCRETE COLLAR SHALL BE LEFT 0" BELOW THE STREET GRADE. IN OTHER UNPAVED AREAS, VALVE BOX AND CONCRETE COLLAR SHALL BE LEFT 2" ABOVE FINISHED GRADE OR AS DIRECTED BY CoSFWD.

PROTECTION OF VALVE BOXES VALVE BOXES SHALL BE PROTECTED FROM DAMAGE. LOSS AND SHALL NOT BE FILLED WITH DIRT AND DEBRIS. VALVES MUST BE ACCESSIBLE DURING CONSTRUCTION WITH MINIMUM EXCAVATION. VALVES IDENTIFIED BY CoSFWD AS KEY SHUT OFF VLAVES SHALL REMAIN AT GRADE DURING ALL PHASES OF CONSTRUCTION. BLUE CARSONITE SIGNS DEMARKING VALVE BOX LOCATIONS TO BE PROVIDED BY THE CONTRACTOR.

CITY OF SANTA FE WATER DIVISION
SANTA FE, NEW MEXICO
STANDARD DETAILS

VALVE & VALVE BOX INSTALLATION — 08

DRAWN BY: | DATE: 08/2008
CHECKED: | SCALE: N/A
APPROVED:

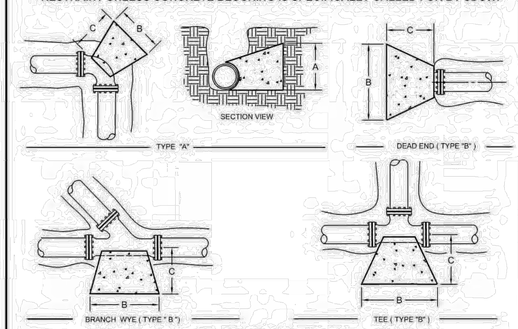


CITY OF SANTA FE WATER DIVISION
SANTA FE, NEW MEXICO
STANDARD DETAILS

JOINT RESTRAINT DETAIL — 10B

DRAWN BY: | DATE: 08/2008
CHECKED: | SCALE: N/A
APPROVED:

USE MECHANICALLY RESTRAINED FITTINGS & PIPE JOINTS FOR THRUST RESTRAINT UNLESS CONCRETE BLOCKING IS SPECIFICALLY CALLED FOR BY SDCW.



THRUST BLOCK SIZING TABLE

PIPE DIAMETER	TYPE "A" BENDS												TYPE"B" FITTINGS		
	11-1/4°			22-1/2°			45°			90°					
	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
4"	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
6"	12	12	12	12	12	12	12	18	12	18	24	12	12	24	12
8"	12	12	12	12	18	12	18	24	12	24	30	18	18	30	12
10"	12	12	12	12	24	12	20	30	12	24	42	18	24	36	18
12"	12	18	12	18	24	12	24	36	18	32	48	24	24	42	18
14"	12	24	12	18	36	18	30	42	24	36	60	24	30	48	24
16"	18	24	24	24	36	24	30	40	24	42	66	24	36	54	24
18"	18	30	24	24	40	24	36	54	24	48	72	24	42	60	24
20"	20	30	24	30	42	24	42	60	24	54	80	24	42	76	24
24"	24	36	24	36	54	24	48	72	24	66	96	30	54	80	30

1. TABLE BASED ON 200 P.S.I. (130 P.S.I. WORKING PRESSURE) AND 3000 LB/FT^2 ALLOWABLE SOIL BEARING PRESSURE.
2. USE TEE OUTLET DIAMETER TO DETERMINE THRUST BLOCK SIZING. USE BRANCH DIAMETER ON WYE TO DETERMINE THRUST BLOCK SIZING.
3. THE "C" DIMENSION LISTED IS A MINIMUM DIMENSION. CONCRETE BLOCKING MUST BE POURED TO THE UNDISTURBED SOIL OF THE TRENCH WALL.

CITY OF SANTA FE WATER DIVISION
SANTA FE, NEW MEXICO
STANDARD DETAILS

CONCRETE THRUST BLOCKING — 13

DRAWN BY: | DATE: 08/2008
CHECKED: | SCALE: N/A
APPROVED:

JOINT RESTRAINT TABLE
PVC — 10C

DRAWN BY: | DATE: 08/2008
CHECKED: | SCALE: N/A
APPROVED:

CITY OF SANTA FE WATER DIVISION
SANTA FE, NEW MEXICO
STANDARD DETAILS

THRUST RESTRAINT TABLE - PVC
BENDS, TEES, CAPS/VALVES, & REDUCERS
(RESTRAINED JOINT LENGTHS IN FEET)

DIAMETER (IN.)	HORIZONTAL BENDS				CAPS / PLUGS / VALVES	SIZE (IN.)	TEES						REDUCERS
	11-1/4°	22-1/2°	45°	90°			Run	Branch	Run	Branch	Run	Branch	
	L_R	L_R	L_R	L_R	Run X Br.	Lg/ Sm.	L_R	L_R	L_R	L_R	L_R	L_R	L_R
4	2	3	6	13	34	**4 X 4**	F.O	F.O	8	5	10	F.O	N/A
6	2	4	8	18	48	**6 X 6**	F.O	F.O	43	5	22	10	F.O
8	3	4	10	23	63	**6 X 4**	F.O	F.O	57	5	36	10	N/A
10	3	6	12	27	75	**8 X 8**	F.O	F.O	26	5	F.O	10	F.O
12	4	7	14	32	89	8 X 6	F.O	F.O	41	5	13	10	F.O
						8 X 4	F.O	F.O	24	5	F.O	10	F.O
						10 X 10	F.O	F.O	70	5	49	10	22
						10 X 8	F.O	F.O	66	5	29	10	F.O
						10 X 6	F.O	F.O	39	5	4	10	F.O
						10 X 4	F.O	F.O	21	5	F.O	10	F.O
						12 X 12	F.O	F.O	83	5	62	10	35
						12 X 10	F.O	F.O	69	5	43	10	11
						12 X 8	F.O	F.O	55	5	22	10	F.O
						12 X 6	F.O	F.O	37	5	F.O	10	F.O
						12 X 4	F.O	F.O	19	5	F.O	10	F.O

DIAMETER (IN.)	VERTICAL BENDS			
	11-1/4°	22-1/2°	45°	90°
	TOP/BOTTOM	TOP/BOTTOM	TOP/BOTTOM	TOP/BOTTOM
	L_R	L_R	L_R	L_R
4	4 / 2	7 / 3	14 / 6	N/A
6	5 / 2	10 / 4	20 / 8	N/A
8	7 / 3	13 / 5	26 / 10	N/A
10	8 / 3	15 / 6	31 / 12	N/A
12	9 / 4	18 / 7	37 / 14	N/A

Table: This table is based on the EBAA Iron Megalug joint calculations program with the following input criteria: 3.5 ft. depth of bury (conservative), trench type 4, PVC material, DM soil type, 150 psi test pressure, 1.5 safety factor. Specific calculations for restrained lengths are required for conditions not covered by this table values for vertical bends provided assume 3.5 feet of cover on the low side

L_R: Length of restrained pipe, in feet, for each side of the fitting

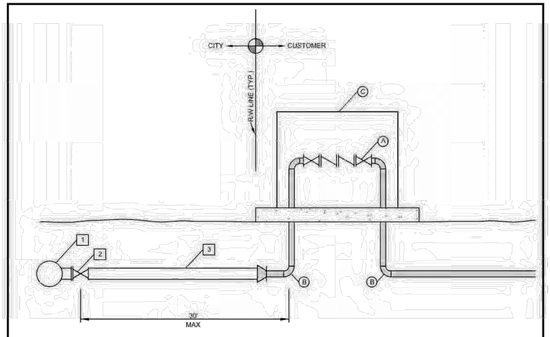
Minimum Restrained Length: A minimum restrained length of 5 ft. from the fitting joint is recommended. Vertical offsets shall be completely restrained between the top vertical fitting and the bottom vertical fitting.

F.O: Fitting Joint Only – This includes at least a 1 ft. length of restrained pipe beyond the fitting joint.

Vertical Offset: Use 11-1/2° bends or 22-1/2° bends wherever possible due to the shorter restrained length requirements

Caps/Plugs: Concrete blocking may be required by CoSFWD on a case-by-case basis in addition to mechanical restraint.

Pipe Lengths: Piping shall be laid out to minimize pipe joints near fittings. Wherever possible, full 20 ft. pipe lengths shall be utilized when connecting to fittings or valves. No pipe spool joints shall be used where fittings are less than 20 ft. apart.



ITEM

1. TEE OR TAPPING SLEEVE WITH FLG. OUTLET (4" MIN.)
2. GATE VALVE FLG. x MJ (4" MIN.)
3. RESTRAINED DIP-PW (4" MIN.)
- (A) REDUCED PRESSURE ZONE BACKFLOW PREVENTER W/DETECTOR ASSEMBLY
- (B) CUSTOMER PIPING (REDUCER/TAPPED CAP FOR PIPING LESS THAN 4")
- (C) HEATED ENCLOSURE

CITY OF SANTA FE WATER DIVISION
SANTA FE, NEW MEXICO
STANDARD DETAILS

TYPICAL FIRE SERVICE — 32

DRAWN BY: | DATE: 01/2019
CHECKED: | SCALE: SCA

ENGINEER'S SEAL

RONALD R. BOHANNAN NEW MEXICO 7868 PROFESSIONAL ENGINEER

12-2-25

RONALD R. BOHANNAN P.E. #7868

1000, 1101, 1103 CERRILLOS RD SANTA FE, NM

CONSTRUCTION DETAILS

TIERRA WEST, LLC
5571 MIDWAY PARK PL NE
ALBUQUERQUE, NEW MEXICO 87109
(505) 858-3100
www.tierrawestllc.com

DRAWN BY pm

DATE 12-2-25

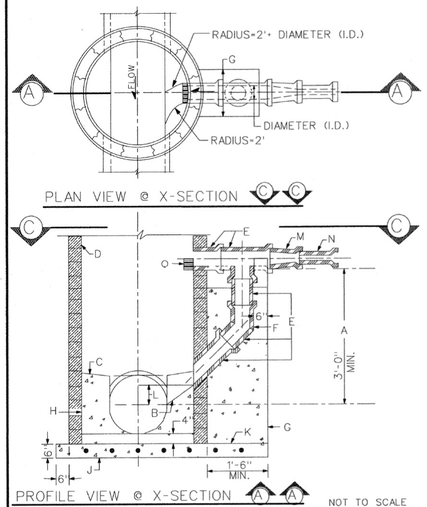
DRAWING 2025080-DET

SHEET # **DET-2**

JOB # 2025080

LEGEND

ITEM	DESCRIPTION
1	MANHOLE FRAME & COVER, refer to manhole frame and cover detail Dwg. No. SAS-4
2	CONCRETE ADJUSTMENT RINGS or CONCRETE BRICK, refer to concrete adjustment detail Dwg. No. SAS-5
3	CONCRETE COLLAR, refer to concrete collar detail Dwg. No. SAS-6
4	PRECAST REINFORCED CONCRETE RISER, CONE or FLAT TOP, with 5"(in) wall thickness, refer to general note CM-2
5	PRECAST REINFORCED CONCRETE BASE RISER, with suitable sized openings, refer to general note CM-2A
6	CONCRETE BASE, refer to concrete base detail Dwg. No. SAS-7
7	SEWER PIPE, refer to general note CM-1
8	6"(in) GROUT FILLET, on upper half of pipe and around base
9	ADAPTER, MANHOLE, refer to manhole adapter detail Dwg. No. SAS-8
10	PIPE PENETRATION INTO MANHOLE, refer to manhole adapter detail Dwg. No. SAS-8
11	PIPE SUPPORT, CONCRETE, shall extend out-side of manhole a maximum of 18"(in) to bell of first joint and shall cradle pipe half pipe
12	CONCRETE FILL, 3000 p.s.i., refer to general note CR-6
13	SHELF, to be 9"(in) minimum width with 1"(in) per 1'-0" slope, from crown of pipe
14	CUT UPPER HALF OF PIPE, after manhole has been completed and inspected by engineer
15	HAND FORMED CHANNELS, shall be on a uniform radius and shall not hold water
16	INVERT ELEVATIONS OF LATERAL LINES, shall be the same as the springline elevation of the sewer main, where possible
17	CHANGE SLOPE OF PIPE, at center of manhole
18	APPROVED WATER STOP, to be with type of pipe



CONSTRUCTION NOTES

A. 3'(FT) MINIMUM DISTANCE OF VERTICAL DROP. LESS THAN 3'(FT) DISALLOWS DROP MANHOLE.

B. FORM PIPE INVERT IN SHELF. INVERT TO SPRINGLINE.

C. SHELF SLOPE, 1"(IN) PER FT.

D. MANHOLE TYPE FOR UPPER PORTION IS SPECIFIED IN MANHOLE TYPE "E" DETAIL DWG NO. SAS-2.

E. USE D.I. OR P.V.C.(SDR 35) PIPE THROUGHOUT DROP. ALL PIPING IN DROP STRUCTURE FROM THE TEE IS INCREASED ONE PIPE SIZE FROM THE SERVICE LINE. (SERVICE=8" DROP=10")

F. USE BELL AND SPIGOT 45° LONG RADIUS BEND.

G. CONCRETE SUPPORT WIDTH EQUALS PIPE O.D. PLUS 6"(IN) MINIMUM EACH SIDE.

H. CONCRETE FILL.

J. CAST IN PLACE REINFORCED CONCRETE BASE REQUIRED. CONCRETE BASE TO BE POURED IN PLACE USING NO.4 BARS AT 6"(IN) O.C. EACH WAY FOR MANHOLE DEPTH OF 16'(FT) OR GREATER. NO.4 BARS AT 12"(IN) O.C. EACH WAY FOR MANHOLE DEPTH LESS THAN 16'(FT) IN DEPTH.

K. FOR NEW DROP ON EXISTING MANHOLE CONSTRUCT 3X3 REINFORCED CONCRETE BASE BEFORE CONSTRUCTING DROP SUPPORT.

L. MINIMUM 2"(IN) ABOVE SPRINGLINE OR AS SHOWN ON PLAN.

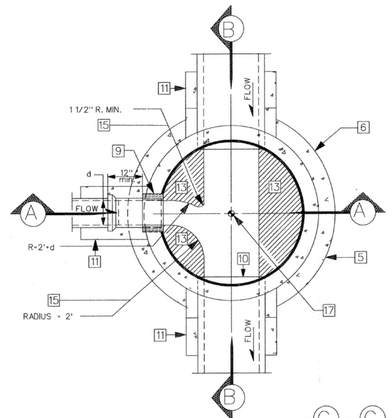
M. REDUCER

N. SERVICE LINE

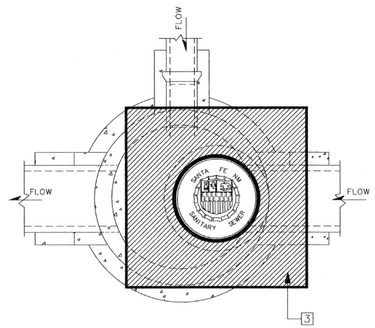
O. EXTEND PIPE 3"(IN) MINIMUM 6"(IN) MAXIMUM INTO MANHOLE TOP. 1/2 PIPE REMOVED.

DROP MANHOLE DETAIL
DWG. #: SAS-1

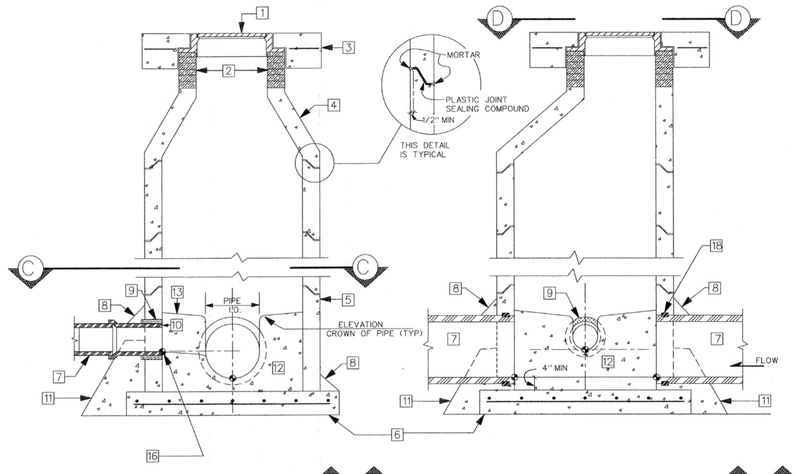
NOT TO SCALE



PLAN VIEW @ X-SECTION C C



PLAN VIEW @ X-SECTION D D



PROFILE VIEW @ X-SECTION A A

PROFILE VIEW @ X-SECTION B B

DENOTES ELEVATION PER ENGINEERS DESIGN

(See Dwg. # SAS-14 for Type "C" Flat Top)

MANHOLE TYPE "E" DETAIL DWG # SAS-2

NOT TO SCALE

GENERAL NOTES

CONSTRUCTION REQUIREMENTS

CR-1 MATERIALS AND WORK:
CURRENT NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (referred to as NM APWA) WITH MODIFICATIONS NOTED BY THE CITY OF SANTA FE.

CR-2 APPROVED PLANS:
USE PLANS BEARING THE OFFICIAL STAMP OF THE DESIGN ENGINEER AND BEARING THE APPROVAL SIGNATURE OF THE CITY WATER QUALITY DIVISION OR APPROVED REPRESENTATIVE. CONSTRUCTION PERFORMED WITHOUT APPROVED PLANS WILL BE REJECTED.

CR-3 SEWER HOOK-UP PERMIT:
OBTAIN PERMITS FOR THE PROJECT BEFORE COMMENCING ANY SEWER CONSTRUCTION. CONSTRUCTION PERFORMED WITHOUT OBTAINING PERMITS SHALL BE REJECTED.
A. CONSTRUCTION PLANS SHALL INDICATE THE CLASS OF BEDDING TO BE USED. CHANGE OF BEDDING MAY REQUIRE A CHANGE IN PIPE CLASSIFICATION OR WALL THICKNESS.

CR-4 SUBSTITUTIONS OR CHANGES:
ALL SUBSTITUTIONS OR CHANGES MUST BE APPROVED BY THE CITY WATER QUALITY DIVISION OR CITY APPROVED REPRESENTATIVE PRIOR TO CONSTRUCTION. ALL SUBSTITUTIONS OR CHANGES MUST BE SUBMITTED BY THE DESIGN ENGINEER TO THE CITY WATER QUALITY DIVISION OR APPROVED REPRESENTATIVE. WHERE APPROPRIATE, SUBMITTAL MUST INCLUDE FABRICATION DRAWINGS, WORKING DRAWINGS AND MATERIAL SPECIFICATIONS OR TEST DATA TO JUSTIFY SUBSTITUTIONS OR CHANGES. DESIGN ENGINEER SHALL AUTHORIZE ANY DRAWINGS FOR SUBSTITUTIONS AND CHANGES AND SUBMIT THEM TO THE CITY WATER QUALITY DIVISION FOR APPROVAL. UNAUTHORIZED SUBMITTALS WILL BE REJECTED.

CR-5 MANUFACTURER'S CERTIFICATES:
WHEN CERTIFICATES OF COMPLIANCE AND TEST REPORTS ARE REQUIRED FOR MATERIALS, DOCUMENTS SHALL BE SUBMITTED TO THE CITY WATER QUALITY DIVISION OR APPROVED REPRESENTATIVE AT THE TIME OF MATERIALS DELIVERY TO THE JOBSITE.

CR-6 CONTRACTOR REQUIREMENTS:
CONTRACTOR PERFORMING WORK ON PUBLIC SEWER LINES SHALL BE A LICENSED UTILITY CONTRACTOR.

INSTALLATION

I-1 LAYING PIPE:
AS PER SECTION 900, NM APWA: PIPE SHALL BE PLACED AND BEDDED IN A FROST FREE TRENCH: GASKET SHALL BE FULLY SEATED AND NOT SLIPPED: PIPE SHALL BE LAID THROUGH MANHOLE LOCATIONS ON STRAIGHT AND UP TO 22 1/2 DEGREE DEFLECTIONS.
A. IF PIPE TRENCH INSTALLATION CONFIGURATION EXCEEDS THE LIMITS OF NM APWA STANDARDS, SECTION 700, OR AS DEFINED ON THE CONSTRUCTION PLANS, THE DESIGN ENGINEER WILL SPECIFY THE NEW PIPE CLASSIFICATION OR WALL THICKNESS.
B. TYPE I TRENCH CONFIGURATION IS NORMALLY USED WHEN TRENCH DEPTHS ARE 8'(FT.) OR LESS. TYPE II TRENCH CONFIGURATION IS NORMALLY USED WHEN TRENCH DEPTHS ARE 9'(FT.) AND OVER, DEPENDING ON SOIL CONDITIONS. REFER TO NM APWA STANDARDS SECTION 700.

I-2 MANHOLE CONSTRUCTION:
A. BASE:
1. CAST IN PLACE: ON UNDISTURBED FROST FREE SUBGRADE
2. PRECAST UNIT: ON PEA GRAVEL WITH COMPLETE EVEN BEARING
B. PRECAST BARREL:
1. JOINTS: FILL COMPLETELY WITH NON-SHRINK GROUT AND TROWEL.
2. MANHOLE ADAPTOR: INSTALL OVER PVC PIPE AND FILL IN PENETRATION WITH NON-SHRINK GROUT.
3. CAST IN PLACE BASES: SHALL ACHIEVE A MINIMUM OF 2500 PSI COMPRESSIVE STRENGTH BEFORE SETTING PRECAST BARREL SECTIONS.

I-3 EXCAVATION AND BACKFILL:
AS PER SECTION 700, NM APWA: SATURATION BY FLOODING OR JETTING METHODS IS NOT PERMITTED WITHOUT A SOILS ENGINEERING REPORT RECOMMENDING THESE METHODS. MECHANICAL OR VIBRATORY COMPACTORS SHALL NOT BE USED ON THE BEDDING AND 12"(IN.) OF INITIAL BACKFILL. COMPACTION SHALL BE DETERMINED PER AASHTO T-180.

CONSTRUCTION MATERIALS

CM-1 SEWER PIPE: (CERTIFICATES REQUIRED)
A. VITRIFIED CLAY: REFER TO SECTION 125, NM APWA FOR EXTRA STRENGTH VCP.
B. PLASTIC (PVC): REFER TO SECTION 121, NM APWA, AS MODIFIED BY THE CITY.
1. 4" THRU 15" (inch) DIAMETER, ASTM D-3034 OR ASTM F-789 PIPE, MINIMUM PS-46 STRENGTH. SDR-35 OR EQUAL.
2. LARGER THAN 15" (IN.) DIAMETER: ASTM F 679 VOL. 08.04.
C. HDPE PIPE PER ASTM D-1248 CLASS III WHEN APPROVED BY WATER QUALITY DIVISION ENGINEER.
D. PVC RESTRAINED JOINTS: SERIES 1350 OR SERIES 1390 FOR COUPLINGS PRODUCED BY UNI-FLANGE CORPORATION, LOCKING COUPLINGS WITH NYLON SPLINE, MARKETED AS "YELLOWMINE" AND PRODUCED BY CERTAINTEED CORPORATION, OR APPROVED EQUAL.
E. MANHOLE ADAPTERS: ASBESTOS CEMENT (AC) MANHOLE ADAPTERS, OR AC/PVC ADAPTER COUPLINGS.
F. BUILDING SERVICE STUBS: CAST IRON DWV, PVC SCH. 40 DWV.
G. SERVICE CONNECTIONS:
1. VCP PIPE: FACTORY TEE FITTINGS: SECTION 125 NM APWA.
2. PVC PIPE: CAST IRON BODIES TAPPING SADDLE WITH STAINLESS STEEL TENSION STRAP AND FITTINGS: FOWLER "QUICKWAY", GENECO, HERSEY "PIONEER", OR APPROVED EQUAL.
H. SOIL CLASSIFICATION: THE UNIFIED SOIL CLASSIFICATION SYSTEM PER ASTM D 2487 TABLE 701.3.5 NM APWA.

CM-2 MANHOLES:
A. CONCRETE MANHOLES: PRECAST REINFORCED CONCRETE RISERS, REDUCING CONES, AND ADJUSTMENT RINGS PER ASTM C 478 VOL. 04.05. BASES MAY BE FIELD PLACED CONCRETE OR PRECAST CONCRETE PER ASTM C 478 VOL. 04.05 (CERTIFICATES REQUIRED). CRACKED OR VISIBLY DEFECTIVE UNITS WILL BE REJECTED.
B. PIPE PENETRATIONS: PRECAST UNITS SHALL HAVE SUITABLE SIZED OPENINGS CAST INTO BARREL AT PROPER ANGLES FOR PIPE AND MANHOLE ADAPTERS.
C. MANHOLE STEPS: REFER TO SECTION 920.4.7 NM APWA POLYPROPYLENE ENCASED GRADE 60 STEEL BY M.A. INC. OR APPROVED EQUAL: 14"(IN.) WIDE, 16"(IN.) MAXIMUM SPACING.
D. FRAMES AND COVERS:
1. CASTING: SHALL CONFORM TO SECTION 160, 161 & 162, NM, APWA CLASS 30B. (CERTIFICATES AND SHOP DRAWINGS REQUIRED)
2. MINIMUM COVER WEIGHT: 165 POUNDS
3. MINIMUM COMBINED WEIGHT: 365 POUNDS +/- 5%
4. BEARING SURFACES: SHALL BE MATCHED FOR A FIRM NON ROCKING SEAT BETWEEN FRAME AND COVER. MINIMUM SEATING WIDTH: 7/8"(IN.)
5. COATING: NONE
6. COVER LETTERINGS: SANTA FE, N.M. SANITARY SEWER
7. CASTINGS: CAST MANUFACTURER AND MODEL NUMBER ON FRAME AND COVER.
8. CASTINGS TOLERANCE: +/- 1/16"(IN.) PER FOOT OF OVERALL DIMENSION. OUT OF ROUND CASTINGS AND LOOSE FITTING UNITS WILL BE REJECTED IN THE FIELD.

CM-3 CONCRETE ENCASEMENT:
A. REQUIREMENTS:
1. WHEN THE PIPE COVER IS 36" (IN.) OR LESS.
2. WHEN VITRIFIED CLAY CROSSES AN ARROYO.
3. WHEN A WATER LINE PASSES BELOW OR LESS THAN 18" (IN.) ABOVE THE EXISTING SEWER LINE.
4. WHEN A PARALLEL WATER LINE IS LESS THAN 10'(FT.) HORIZONTALLY AND LESS THAN 2'(FT.) ABOVE THE SEWER LINE.
5. THE SEWER LINE SHALL BE ENCASED IN CONCRETE 6"(IN.) THICK AS DETAILED, AND EXTEND AT LEAST 10'(FT.) ON EACH SIDE OF THE WATER LINE.

FIELD QUALITY CONTROL

FQC-1 TESTING AND INSPECTION:
A. SUPERVISION: CONDUCTED BY DESIGN ENGINEER.
B. CERTIFICATION: DESIGN ENGINEER SHALL CERTIFY THAT THE PROJECT HAS BEEN COMPLETED IN ACCORDANCE TO PLANS & SPECIFICATIONS AND SHALL SUBMIT A CERTIFICATION OF COMPLIANCE STATEMENT WITH STAMP AND SIGNATURE.
C. EQUIPMENT AND ASSISTANCE: PROVIDED BY CONTRACTOR.

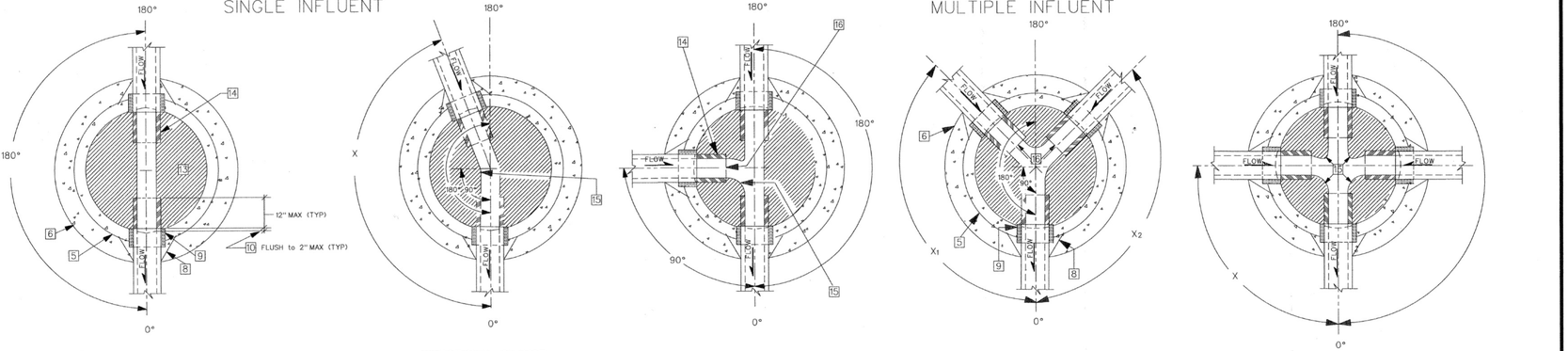
FQC-2 LINE AND GRADE: ALLOWABLE TOLERANCE BETWEEN STRUCTURES FROM DESIGN:
A. LINE: 0.20 FOOT
B. GRADE: 0.02 FOOT: PIPE SHALL NOT HOLD BACK ANY WATER.

FQC-3 LEAKAGE TEST:
AIR TEST REQUIRED: REFER TO SECTION 901.7 NM APWA.

FQC-4 TELEVISION INSPECTION:
CONTRACTOR SHALL PROVIDE A CERTIFIED CCTV SEWERLINE INSPECTION AND RECORD TAPES AT HIS OWN EXPENSE.

FQC-5 ALL CONNECTIONS TO EXISTING MANHOLES INCLUDES REHABILITATING THE TIE IN MANHOLE TO MEET THESE STANDARD CONSTRUCTION DETAILS.

NOTE: REVISIONS TO THIS SHEET SHALL BE MADE UNDER THE AUTHORITY OF THE CITY OF SANTA FE ONLY.



PLAN VIEW OF MANHOLE BASE CONNECTION/DWG. # SAS-3

NOT TO SCALE

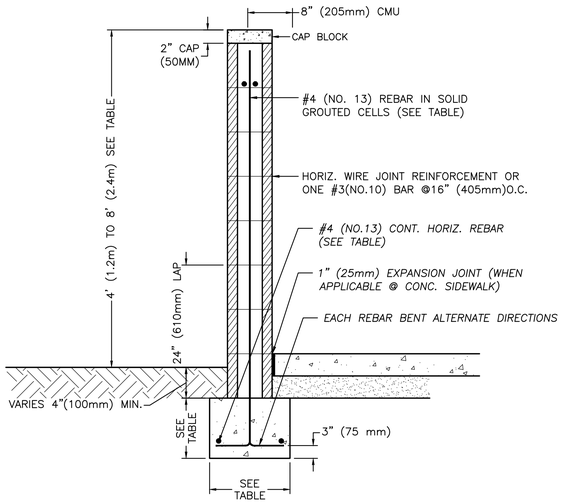
CONTRACT NO. DACA47-03-D-0012 TASK ORDER NO.3

CITY OF SANTA FE
WATER QUALITY DIVISION

TITLE: SANITARY SEWER STANDARD CONSTRUCTION DETAILS - A

DATE: JULY 1992	REVISIONS	FILE = E:\AUTO\DWG\SCDT1-4
DRAWN BY: G. CHAVEZ	1 8-3-92	
CADD RENDITION BY: G. CHAVEZ	2 12-14-92	SHEET 3 OF 12
APPROVED BY: E. BROWN	3 11-16-94	

DET-3



SCREEN WALL SECTION
NTS

NOTES:

FOOTING TO BE UNDISTURBED SOIL OR IN COMPACTED SOIL @ 95%

CONCRETE TO BE 2500 PSI (17.2 MPc) (MIN.)

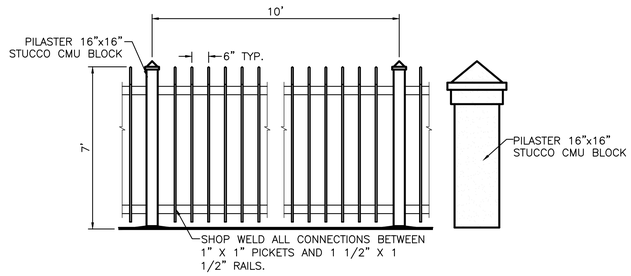
REBAR TO BE GRADED 40

8" (205 mm) CMU TO BE fm= 1350 PSI (9.3 MPc)

COLOR AND TEXTURE OF BLOCK TO BE AS SPECIFIED ON PLANS.

DESIGN WIND PRESSURE IS 15psf (718 pa) AND SOIL PRESSURE 1000 psi (6.9 MPa) MORTAR/GROUT, TYPE S Fm=1800 psi (12.4 MPa)

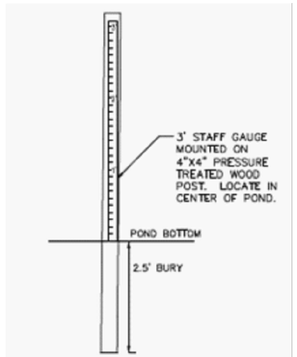
WALL HEIGHT (MAX.)	VERT. BAR SPACING	FOOTING WIDTH	FOOTING DEPTH	FOOTING HORIZ. BAR
4'–0" (1.2m)	48" (1.2m)	14" (355mm)	8" (205mm)	2 #4(NO. 13)
4'–8" (1.4m)	48" (1.2m)	16" (405mm)	10"(255mm)	2 #4(NO. 13)
5'–4" (1.6m)	48" (1.2m)	18" (460mm)	12"(305mm)	2 #4(NO. 13)
6'–0" (1.8m)	48" (1.2m)	20" (510mm)	12"(305mm)	3 #4(NO. 13)
6'–8" (2.0m)	32" (810mm)	22" (550mm)	12"(305mm)	3 #4(NO. 13)
7'–4" (2.2m)	32" (810mm)	24" (610mm)	12"(305mm)	3 #4(NO. 13)
8'–0" (2.4m)	32" (810mm)	26" (660mm)	15"(380mm)	4 #4(NO. 13)



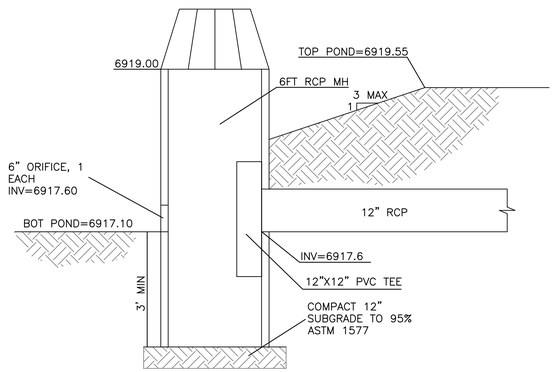
WROUGHT IRON FENCE DETAIL
NTS

GUNNISON'S PRAIRIE DOG NOTE

A. THE PROJECT SHALL COMPLY WITH THE PROVISIONS OF THE GUNNISON'S PRAIRIE DOG ORDINANCE (ARTICLE 14–8.12).



POST & STAFF GAUGE
NTS



RISER DETAIL

ENGINEER'S SEAL

RONALD R. BOHANNAN NEW MEXICO 7868 PROFESSIONAL ENGINEER

12–2–25

RONALD R. BOHANNAN P.E. #7868

1000, 1101, 1103 CERRILLOS RD SANTA FE, NM

CONSTRUCTION DETAILS

TIERRA WEST, LLC
5571 MIDWAY PARK PL NE
ALBUQUERQUE, NEW MEXICO 87109
(505) 858–3100
www.tierrawestllc.com

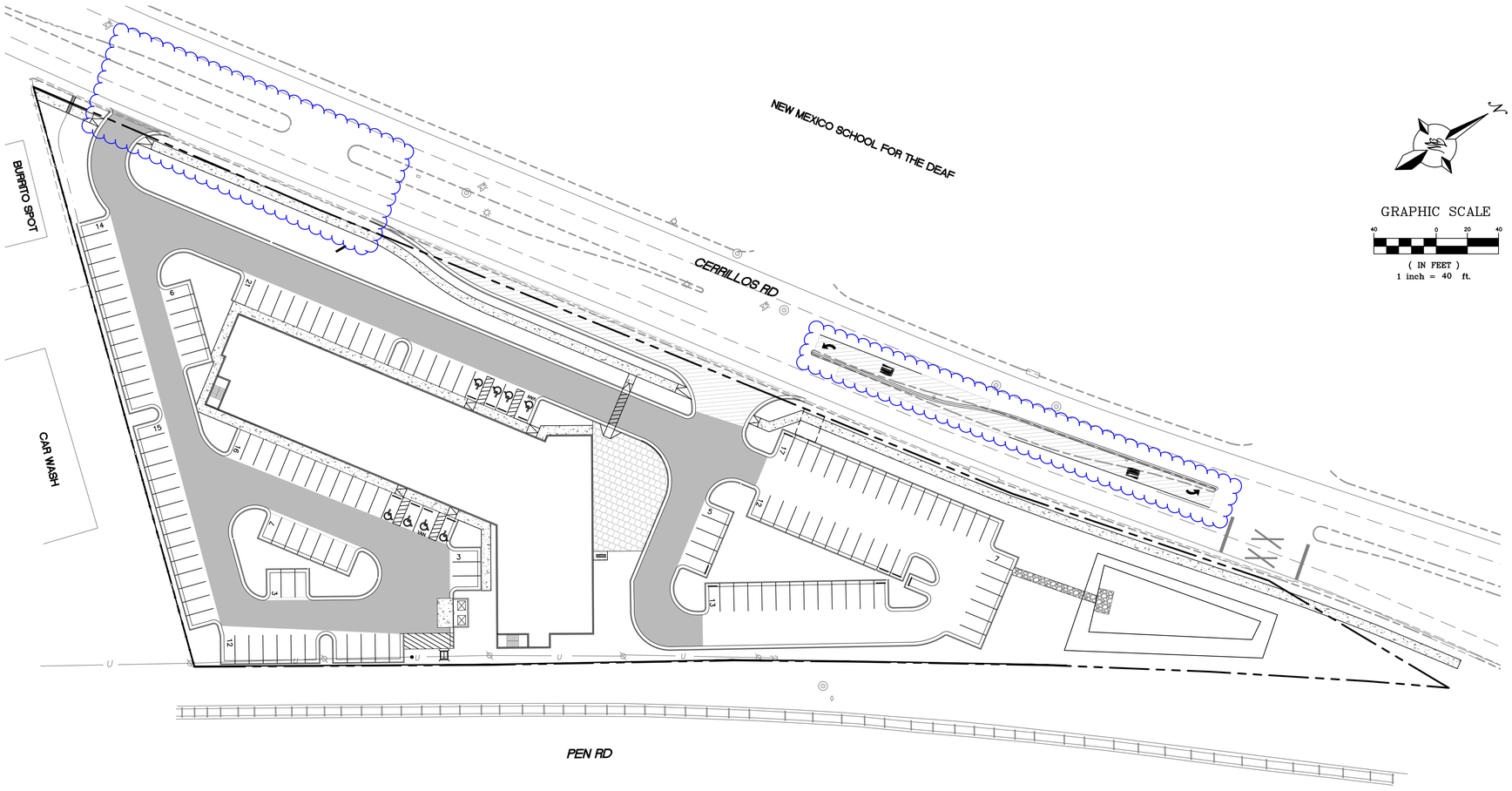
DRAWN BY: pm

DATE: 12–2–25

DRAWING: 2025080–DET

SHEET #: DET-4

JOB #: 2025080



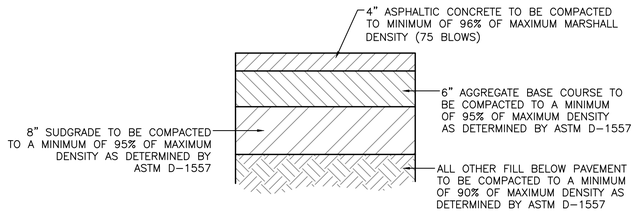
LEGEND

- CURB & GUTTER
- BOUNDARY LINE
- BUILDING
- EXISTING CURB & GUTTER
- CONCRETE SIDEWALK
- LIGHT DUTY PAVING
- HEAVY DUTY PAVING
- RURAL PAVING

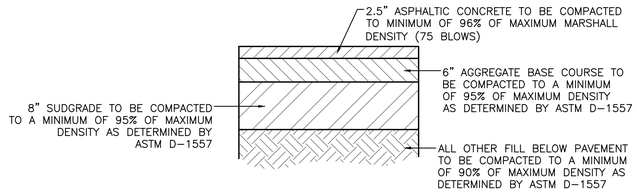
GRAPHIC SCALE

40 0 20 40

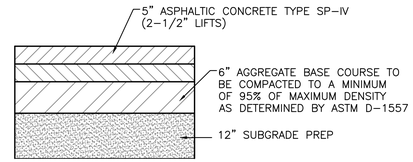
(IN FEET)
1 inch = 40 ft.



AUTOMOBILE DRIVEWAYS AND AREAS SUBJECT TO SEMI-TRUCKS TYPICAL PAVING SECTION
1" = 1'



AUTOMOBILE PARKING TYPICAL PAVING SECTION
1" = 1'



RURAL PAVING TYPICAL SECTION
1" = 1'

NOTE

PAVING SECTIONS SHALL BE CONFIRMED WITH RECOMMENDATION PROVIDED IN THE GEOTECHNICAL REPORT PREPARED BY TERRACON (9-14-22)

ENGINEER'S SEAL

RONALD R. BOHANNAN NEW MEXICO 7868 PROFESSIONAL ENGINEER

12-2-25

RONALD R. BOHANNAN
P.E. #7868

1000, 1101, 1103 CERRILLOS RD
SANTA FE, NM

PAVING PLAN

TIERRA WEST, LLC
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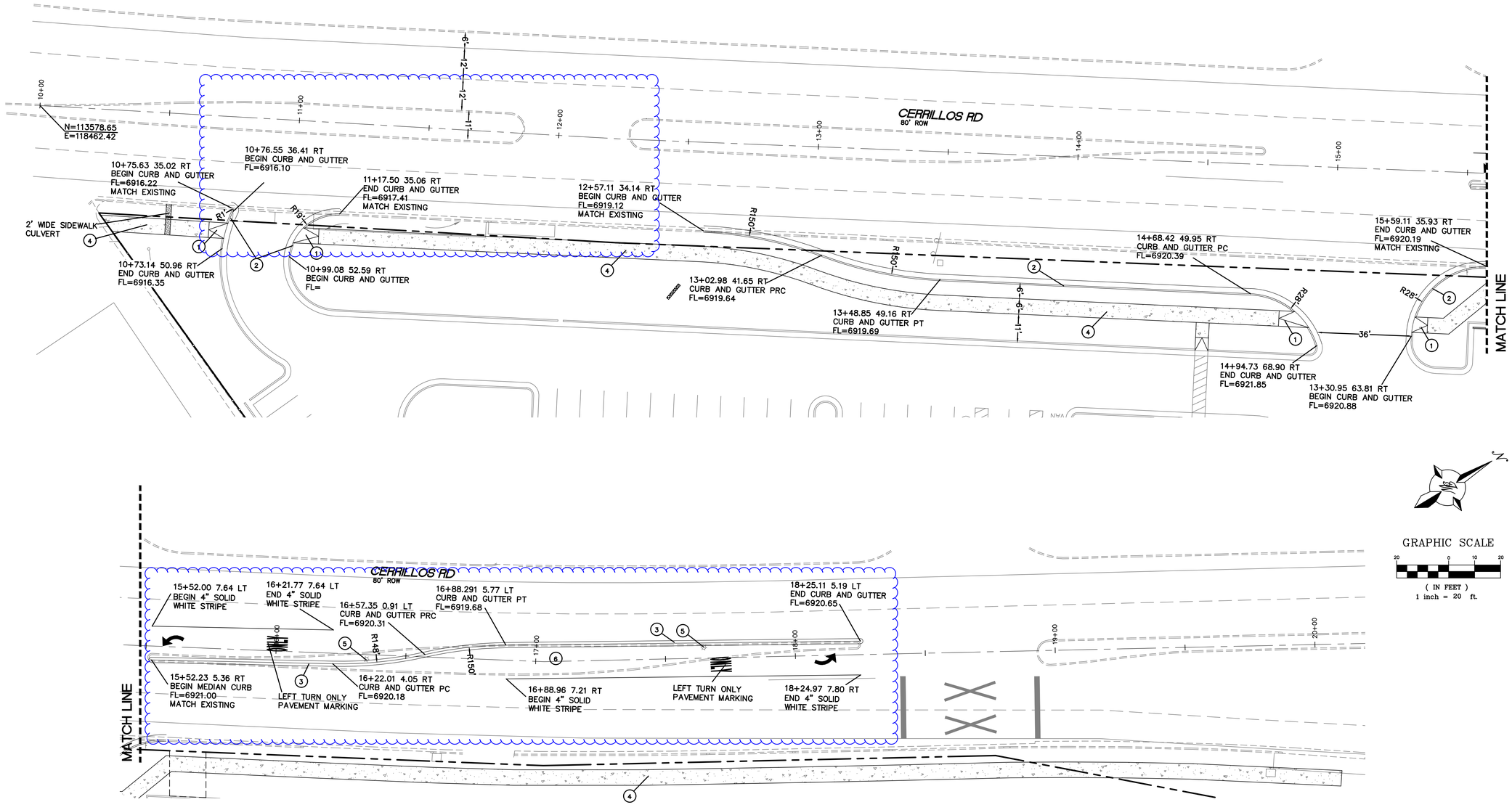
(505) 858-3100
www.tierrawestllc.com

DRAWN BY: pm
DATE: 12-2-25
DRAWING
SHEET #: PAV-1
JOB #: 2025080



KEYED NOTES

1. UNIDIRECTIONAL ACCESSIBLE RAMP PER NMDOT DWG 608-001-8
2. CURB AND GUTTER TYPE C PER NMDOT DWG 609-01
3. MOUNTABLE MEDIAN CURB (BACK TO BACK) PER NMDOT DWG 609-01
4. 6' CONCRETE SIDEWALK
5. REMOVE AND SALVAGE EXISTING LIGHT POLES
6. REMOVE AND DISPOSE EXIST MEDIAN CURB AND LANDSCAPE

LEGEND

- CURB & GUTTER
- BOUNDARY LINE
- BUILDING
- EXISTING CURB & GUTTER
- CONCRETE SIDEWALK

ENGINEER'S SEAL

RONALD R. BOHANNAN NEW MEXICO 7868 PROFESSIONAL ENGINEER

12-2-25

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CERRILLOS RD IMPROVEMENTS

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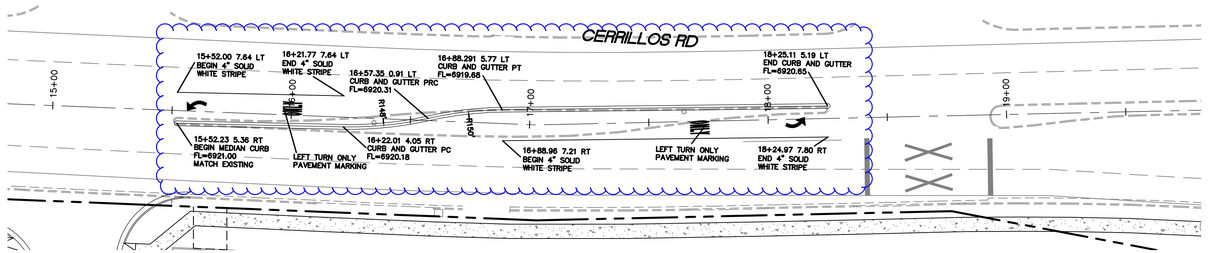
DATE: 12-2-25

DRAWING

SHEET # RD-1

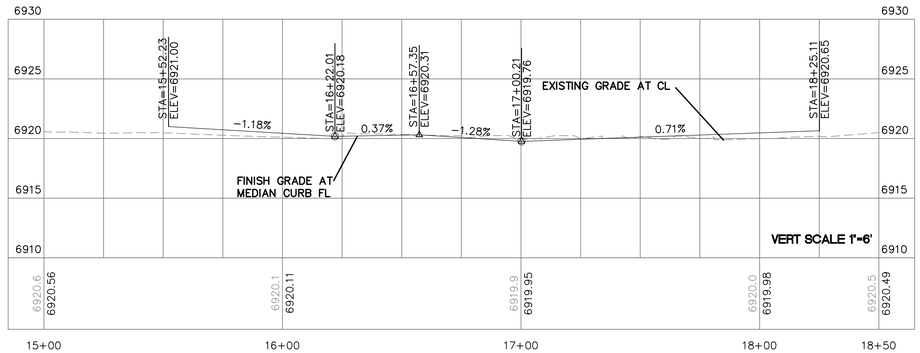
JOB # 2025080



GRAPHIC SCALE

30 0 15 30

(IN FEET)
1 inch = 30 ft.



LEGEND

- CURB & GUTTER
- BOUNDARY LINE
- BUILDING
- EXISTING CURB & GUTTER
- CONCRETE SIDEWALK

ENGINEER'S SEAL

RONALD R. BOHANNAN
NEW MEXICO
7868
PROFESSIONAL ENGINEER

12-2-25

RONALD R. BOHANNAN
P.E. #7868

1000, 1101, 1103 CERRILLOS RD SANTA FE, NM

CERRILLOS RD MEDIAN PLAN AND PROFILE

TIERRA WEST, LLC
5571 MIDWAY PARK PL NE
ALBUQUERQUE, NEW MEXICO 87109
(505) 858-3100
www.tierrawestllc.com

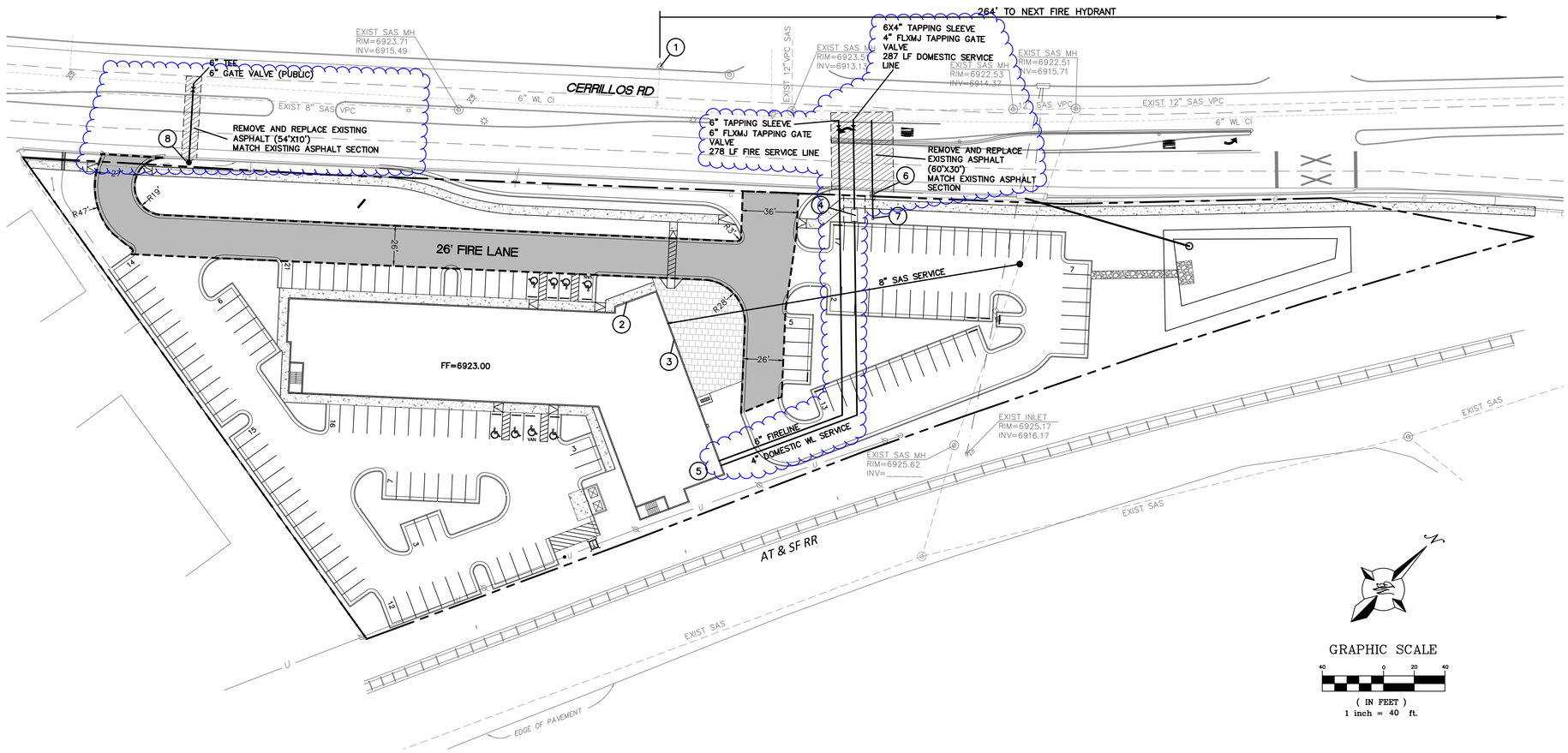
DRAWN BY: pm

DATE: 12-2-25

DRAWING

SHEET #: RD-2

JOB #: 2025080



VICINITY MAP

LEGAL DESCRIPTION:

1000 CERRILLOS ROAD, SPECIAL WARRANTY DEED RECORDRD IN Bk. 1630, Pg.649 AND PLAT Bk. 435, Pg.37, 1001 AND 1003 CERRILLOS ROAD, WARRANTY DEED RECORDED AS INSTRUMENT #1704193, AND PLAT Bk.651, Pg.03,

SANTA FE HOTEL
1000, 1101 AND 1103 CERRILLOS RD
SANTA FE, NM

HOTEL
OCCUPANCY TYPE R-1

LOT AREA	148122 SF (3.40 AC)
BUILDING SIZE	19853 GSF
BUILDING OVERALL AREA	79491 GSF
CONSTRUCTION TYPE	TYPE V-A
FULLY SPRINKLED	
MAX BUILDING HEIGHT	45'

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

NOTES

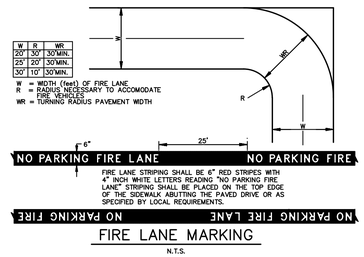
1. ON SITE FIRE LANE ROAD SHALL BE MARKED ON BOTH SIDES, AS DIRECTED BY FIRE MARSHALL
2. FIRE APPARATUS ACCESS ROADS SHALL NOT EXCEED 10 PERCENT IN GRADE AND SHALL HAVE AN ALL WEATHER DRIVING SURFACE CAPABLE OF SUPPORTING THE IMPOSED LOAD OF FIRE APPARATUS WEIGHING AT LEAST 75000 LBS
3. KEY BOX (KNOX BOX) SHALL BE MOUNTED BETWEEN 4 AND 6 FEET ABOVE GRADE AND SHALL BE ILLUMINATED.
4. MECHANICAL PENTHOUSE AND ROOF SCREENS MAY EXCEED MAXIMUM BUILDING HEIGHT LISTED ABOVE BY 8 FEET

LEGEND

- CURB & GUTTER
- BOUNDARY LINE
- BUILDING
- EXISTING CURB & GUTTER
- EXISTING SAS MH
- EXISTING GATE VALVE
- EXISTING WATERLINE
- EXISTING SAS
- 8" SAS — SANITARY SEWER LINE
- 8" WL — WATERLINE
- PROPOSED HYDRANT
- NEW SAS MH
- NEW WATER VALVE
- NEW SINGLE WATER METER
- SAWCUT LINE
- FIRE LANE

KEYED NOTES

1. EXISTING FIRE HYDRANT (PUBLIC)
2. BUILDING ADDRESS
3. KNOX BOX
4. 3" WATER METER AND VAULT
5. 8" BACKFLOW PREVENTER INSIDE BUILDING
6. 1" IRRIGATION METER
7. BACKFLOW PREVENTER (IRRIGATION)
8. NEW FIRE HYDRANT



FIRE LANE MARKING
N.T.S.

CAUTION

ALL EXISTING UTILITIES SHOWN WERE OBTAINED FROM RESEARCH, AS-BUILTS, SURVEYS OR INFORMATION PROVIDED BY OTHERS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO AND INCLUDING ANY EXCAVATION, TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS, PRIOR TO STARTING THE WORK. ANY CHANGES FROM THIS PLAN SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.

ENGINEER'S SEAL

RONALD R. BOHANNAN NEW MEXICO 7868 PROFESSIONAL ENGINEER

12-2-25

RONALD R. BOHANNAN
P.E. #7868

1000, 1101, 1103 CERRILLOS RD
SANTA FE, NM

FIRE PROTECTION PLAN

TIERRA WEST, LLC
5571 MIDWAY PARK PL NE
ALBUQUERQUE, NEW MEXICO 87109
(505) 858-3100
www.tierrawestllc.com

DRAWN BY: pm
DATE: 12-2-25
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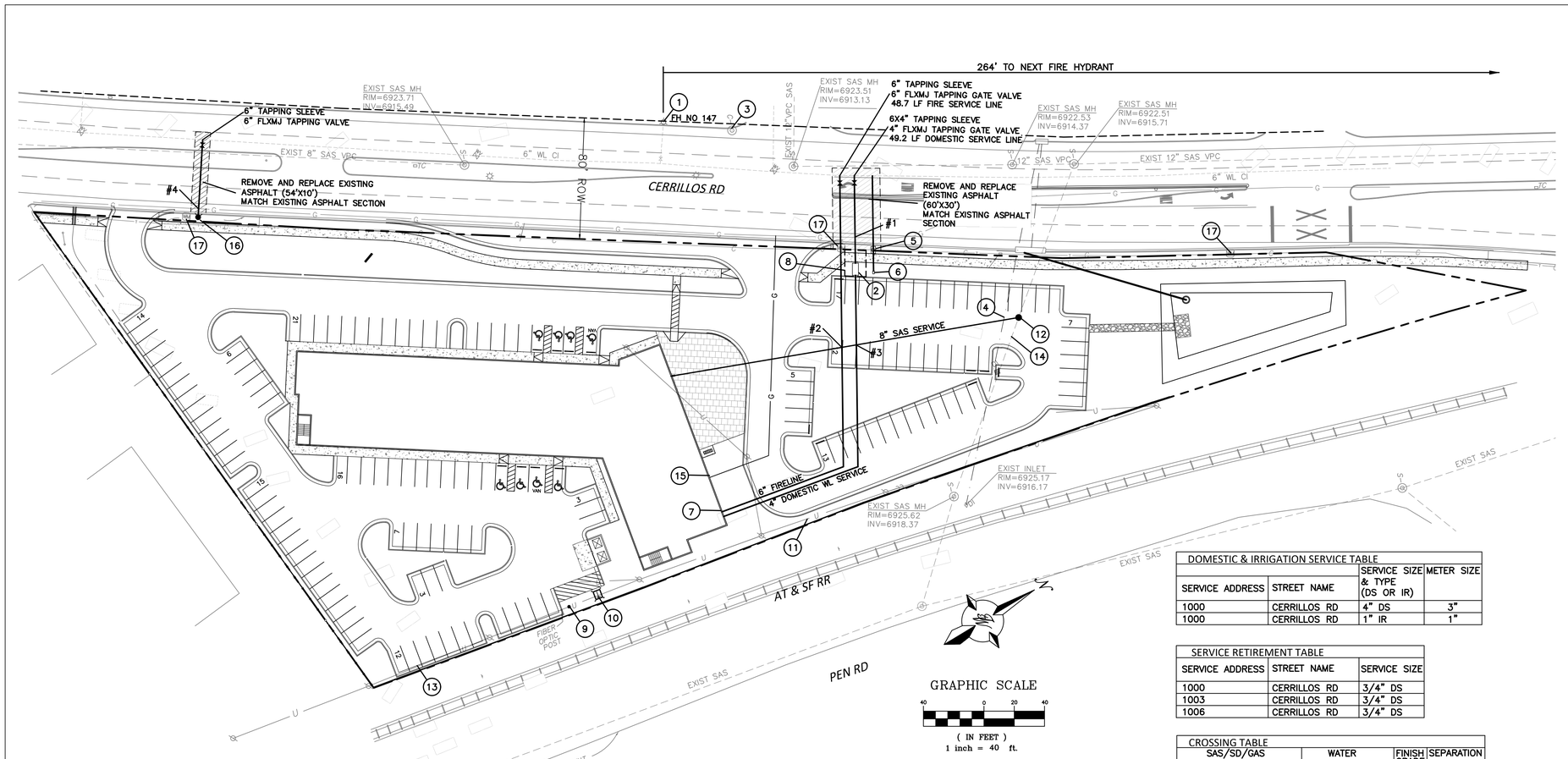
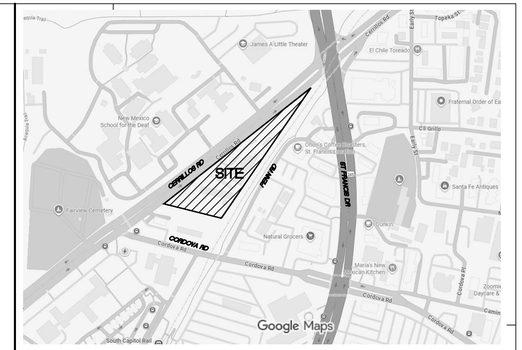
JOB #: 2025080





VICINITY MAP N.T.S.

NOTE:
ALL WATERLINES SHALL BE CONSTRUCTED OF POLY WRAPPED DUCTILE IRON

NOTE:
PIPE JOINTS SHALL BE MECHANICALLY RESTRAINED PER UPDATED COSF WATER DIVISION DETAIL 10A. SEE COSF WATER DIVISION STANDARD DETAIL 10B FOR DIAGRAMMATIC REPRESENTATION OF JOINT RESTRAINT LENGTHS

UTILITY CONTACT INFORMATION

CITY OF SANTA FE DEPARTMENT OF PUBLIC UTILITIES–WATER DIVISION

CITY OF SANTA FE DEPARTMENT OF PUBLIC UTILITIES–WASTE WATER DIVISION
GARY MARTINEZ (505) 670–0480

NEW MEXICO GAS COMPANY
STEVE LARRANGA (505) 412–2904

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED BASED ON INFORMATION FURNISHED BY OTHERS. THE ARCHITECT/ENGINEER HAS NOT VERIFIED THE ACCURACY OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ERRORS OR OMISSIONS INCORPORATED INTO THIS DRAWING AS A RESULT FIELD VERIFICATION IS REQUIRED BEFORE USING INFORMATION REPRESENTED BY THIS DRAWING.

ENGINEER _____ PE _____ DATE _____

LEGEND

- CURB & GUTTER
- BOUNDARY LINE
- BUILDING
- EXISTING CURB & GUTTER
- EXISTING SAS MH
- EXISTING GATE VALVE
- EXISTING WATERLINE
- EXISTING SAS
- 8" SAS — SANITARY SEWER LINE
- 8" WL — WATERLINE
- PROPOSED HYDRANT
- NEW SAS MH
- NEW WATER VALVE
- NEW SINGLE WATER METER
- SAWCUT LINE
- EXISTING GAS LINE
- G — NEW GAS LINE

KEYED NOTES

1. EXISTING FIRE HYDRANT (PUBLIC)
2. 3" DOMESTIC SERVICE METER AND VAULT SEE COSFWD DETAIL 18
3. EXISTING UTILITY VAULT
4. EXISTING 36" SD RCP
5. 1" IRRIGATION METER/SERVICE PER COSFWD DETAIL NO 03 (PEAK DESIGN FLOW=9.8 GPM)
6. 1" BACKFLOW PREVENTER (IRRIGATION) REFERENCE LANDSCAPE IRRIGATION PLAN SHEETS LI–101 AND LI–102 FOR CONTINUATION
7. 6" REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER LOCATED INSIDE BUILDING PER COSFWD STANDARDS
8. 15' WATERLINE EASEMENT
9. NEW POWER POLE W/SERVICE RISER
10. TRANSFORMER
11. REMOVE 410 LF EXISTING OVERHEAD POWER LINE AND 4 POWER POLES
12. NEW 4' SAS MANHOLE RIM=6920.72 INV=6917.00
13. EXISTING OVERHEAD POWER LINE TO REMAIN
14. EXISTING 10" VPC SAS
15. GAS METER
16. NEW FIRE HYDRANT, 6" TAPPING SLEEVE, 6" GATE VALVE
17. RETIRED WATER SERVICE, CUT AND CAP AT MAIN CLOSE CORP, REMOVE METER CAN AND RETURN METER TO COSFWD

CITY OF SANTA FE WATER DIVISION GENERAL NOTES

1. CONTRACTOR SHALL NOTIFY THE CITY OF SANTA FE WATER DIVISION (CoSFWD) FIVE (5) DAYS PRIOR TO COMMENCEMENT OF WORK.
2. CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE CoSFWD CONSTRUCTION STANDARDS AND SPECIFICATIONS.
3. ALL EASEMENTS SHALL BE DEDICATED, CLEARED, GRADED AND STAKED PRIOR TO WATER LINE INSTALLATION.
4. ALL STREETS SHALL BE CUT TO WITHIN ±6" OF FINAL GRADE PRIOR TO WATER LINE INSTALLATION.
5. LOT CORNERS SHALL BE STAKED PRIOR TO SERVICE LINE INSTALLATION. CURB, GUTTER AND DRIVEWAY APRON SHALL BE INSTALLED PRIOR TO SERVICE LINE INSTALLATION UNLESS OTHERWISE APPROVED, IN WRITING, BY CoSFWD.
6. CONTRACTOR (DEVELOPER) SHALL PROVIDE CONSTRUCTION STAKING UTILIZING THE APPROPRIATE RIGHT–OF–WAY MAPS, SIGNED PLATS AND CoSFWD DRAWINGS.
7. MATERIAL SUBMITTALS SHALL BE APPROVED BY CoSFWD PRIOR TO CONSTRUCTION.
8. CONTACT NEW MEXICO ONE CALL AT 811 TWO (2) WORKING DAYS IN ADVANCE OF CONSTRUCTION FOR UTILITY SPOTS.
9. PRESSURE REGULATORS SHALL BE INSTALLED ON ALL SERVICES DOWNSTREAM FROM THE METER.
10. 4 FEET COVER TO TOP OF PIPE SHALL BE MAINTAINED ON ALL WATER MAINS AND SERVICES.
11. CONTRACTOR SHALL SUBMIT AS–BUILT CONSTRUCTION PACKET WITHIN FIVE (5) DAYS OF COMPLETION OF CONSTRUCTION INCLUDING: VALVE TIES, AS–BUILT DRAWINGS (INCLUDING, BUT NOT LIMITED TO: FITTING–TO–FITTING MEASUREMENTS, SERVICE–TO–SERVICE MEASUREMENTS, CENTER OF MAIN TO CENTER OF SERVICE MEASUREMENTS, LENGTH OF MAIN INSTALLED, FITTINGS INSTALLED, ETC.) AND POTABILITY RESULTS.
12. ALL VALVE BOXES SHALL BE BROUGHT UP TO GRADE OF THE FINAL PAVING MATERIAL SO THAT THE CONCRETE IS EXPOSED.
13. FIRE HYDRANTS SHALL BE NUMBERED USING REFLECTIVE NUMERALS. THE REFLECTIVE NUMERALS SHALL BE OBTAINED BY THE CONTRACTOR FOR THE CoSFWD FIELD REPRESENTATIVE AT THE TIME THE NOTICE TO PROCEED (NTP) IS ISSUED. NUMBERS SHALL BE LEGIBLE FROM THE ROAD. PRIOR TO INSTALLING NUMBERS, FIRE HYDRANTS SHALL BE PAINTED.
14. A MECHANICAL RESTRAINT SYSTEM SHALL BE UTILIZED ON FITTINGS AND PIPING FOR THRUST RESTRAINT. CONCRETE THRUST BLOCKING SHALL BE USED ONLY FOR SPECIAL CONDITIONS (E.G. CAPS WHERE MAIN WILL BE EXTENDED IN THE FUTURE) AS SPECIFICALLY APPROVED BY CoSFWD.
15. ANY FIELD CHANGES TO THESE PLANS REQUIRE APPROVAL OF BOTH THE DESIGN ENGINEER AND CoSFWD.
16. WORK ON CoSFWD FACILITIES SHALL NOT BEGIN UNTIL CoSFWD HAS ISSUED A NTP TO THE APPROVED UTILITY CONTRACTOR.
17. ANY AND ALL EASEMENTS FOR CITY–OWNED INFRASTRUCTURE SHALL BE OBTAINED/VERIFIED AND RECORDED BY DEVELOPER BEFORE PROJECT COMMENCEMENT. CONTRACTOR SHALL VERIFY THE EASEMENT IS IN PLACE BEFORE INSTALLING ANY INFRASTRUCTURE.

DOMESTIC & IRRIGATION SERVICE TABLE

SERVICE ADDRESS	STREET NAME	SERVICE SIZE & TYPE (DS OR IR)	METER SIZE
1000	CERRILLOS RD	4" DS	3"
1000	CERRILLOS RD	1" IR	1"

SERVICE RETIREMENT TABLE

SERVICE ADDRESS	STREET NAME	SERVICE SIZE
1000	CERRILLOS RD	3/4" DS
1003	CERRILLOS RD	3/4" DS
1006	CERRILLOS RD	3/4" DS

CROSSING TABLE

	SAS/SD/GAS			WATER			FINISH GRADE	SEPARATION
NO.	SIZE	INV	TOP	SIZE	INV	TOP		
1	6" GAS	6914.74	6915.24	4"	6916.99	6917.24	6920.24	1.75'
2	6" SAS	6918.80	6519.30	6"	6916.50	6917.00	6921.00	1.80
3	6" SAS	6918.73	6919.23	4"	6916.67	6917.00	6921.00	1.73
4	6" GAS	6911.71	6912.21	6"	6913.71	6914.21	6917.21	1.50'

FIRE DESIGN TABLE

SERVICE SIZE	REQUIRED FLOW* GPM	RESIDUAL PRESSURE	BUILDING(S) SERVED
6"	500 GPM	100 psi	HOTEL

– ALL FIRE SERVICES SHALL BE EQUIPPED WITH A BACKFLOW PREVENTION DEVICE MEETING THE REQUIREMENTS OF THE CoSFW DESIGN CRITERIA, LATEST VERSION. REQUIRED FLOW RATE SHALL NOT EXCEED MANUFACTURE'S RATED CAPACITY FOR BACKFLOW PREVENTION DEVICE TO BE USED.
– TESTING, INSPECTION, AND MAINTENANCE OF PRIVATE FIRE HYDRANTS, BACKFLOW PREVENTERS AND OTHER FIRE SERVICE APPURTENANCES SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER AND SHALL COMPLY WITH ALL CoSFW, SFFD, AND NFPA REQUIREMENTS.
* REQUIRED FLOW RATE
– FOR FIRE SERVICE LINES SERVING ONLY AUTOMATIC FIRE SPRINKLER SYSTEMS, INCLUDE ONLY THE REQUIRED FLOW RATE OF SPRINKLER SYSTEM TO BE SERVED.
– FOR FIRE SERVICE LINES THAT WILL BE SERVING PRIVATE FIRE HYDRANTS (WITH OR WITHOUT AUTOMATIC FIRE SPRINKLER SYSTEMS), INCLUDE THE REQUIRED FLOW RATE FOR THE SITE AS DETERMINED BY APPENDIX B OF THE INTERNATIONAL FIRE CODE, LATEST VERSION ADOPTED BY THE CITY OF SANTA FE FIRE DEPARTMENT (SFFD).
** RESIDUAL PRESSURE LISTED SHALL BE CALCULATED AT THE REQUIRED FLOW RATE AT THE POINT OF CONNECTION TO THE MAIN AS DETERMINED BY THE CoSFW'S WATER MODEL OR FIELD TEST. RESIDUAL PRESSURES LESS THAN 20 PSI ARE NOT PERMITTED.

RECORD MAPPING

	BY	DATE
AS BUILT		
VALVE MAPS		
GIS		
INSPECTOR		

2025080–WATER

RONALD R. BOHANNAN NEW MEXICO 7868 PROFESSIONAL ENGINEER
12–2–25

TIERRA WEST, LLC
5571 MIDWAY PARK PL NE
ALBUQUERQUE, NEW MEXICO 87109
(505) 858–3100
www.tierrawestllc.com

AC MARRIOTT HOTEL
1000, 1101 AND 1103 CERRILLOS RD,SANTA FE, NM

PUBLIC WATER PLAN

PLAT RECORDING INFORMATION
BOOK _____
PAGE _____
FILE _____
DATE _____

APPROVED
CITY OF SANTA FE WATER DIVISION DATE
SANTA FE FIRE DEPARTMENT DATE

INSPECTOR
DATE:

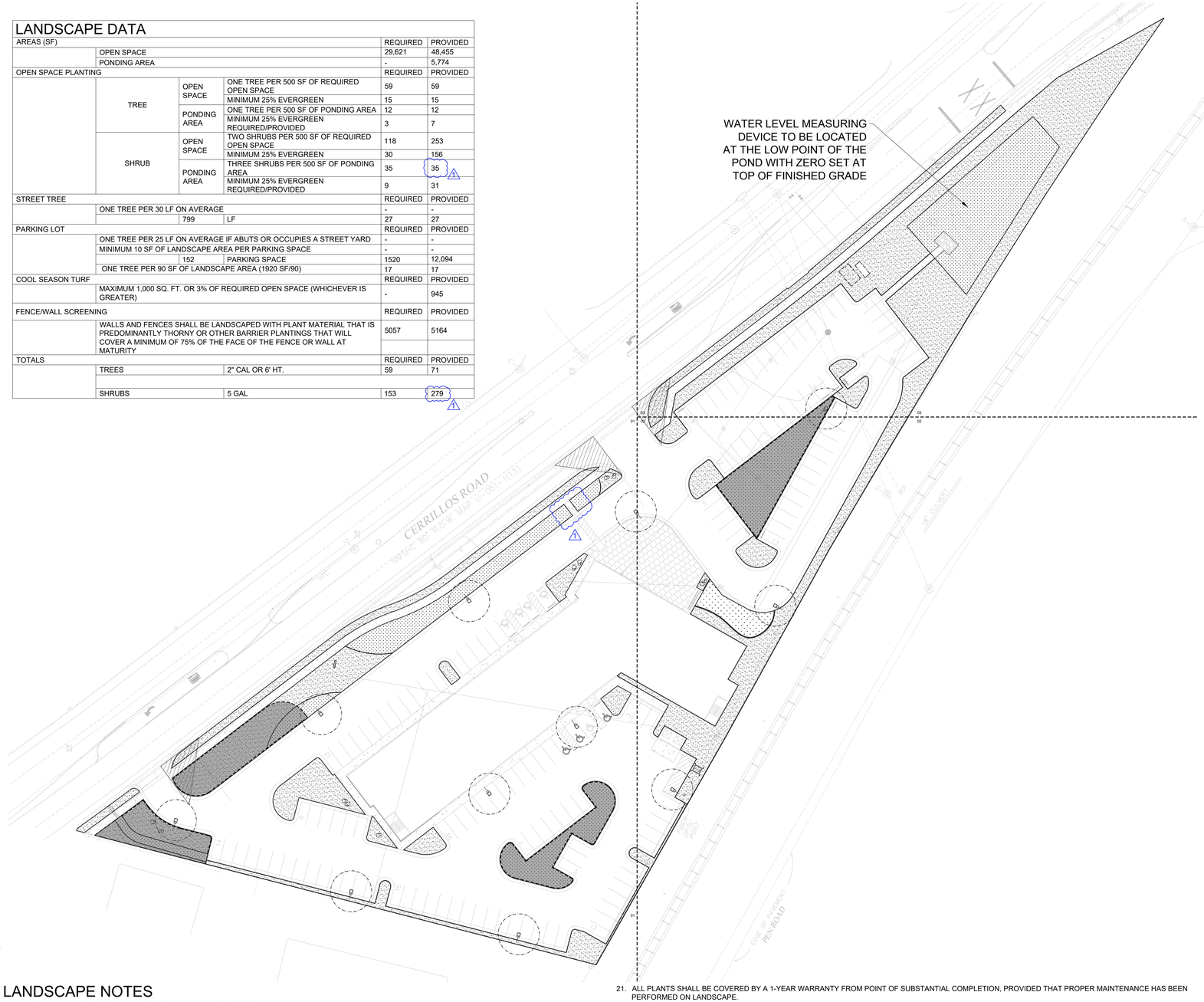
2025

AERIAL	TOWNSHIP RANGE SECTION	WORK ORDER NO.
I–17	SEC25,T17N,R9E	#_____

21
(1 OF 1)

LANDSCAPE DATA

				REQUIRED	PROVIDED
AREAS (SF)					
	OPEN SPACE			29,621	48,455
	PONDING AREA			-	5,774
OPEN SPACE PLANTING				REQUIRED	PROVIDED
	TREE	OPEN SPACE	ONE TREE PER 500 SF OF REQUIRED OPEN SPACE	59	59
			MINIMUM 25% EVERGREEN	15	15
		PONDING AREA	ONE TREE PER 500 SF OF PONDING AREA	12	12
			MINIMUM 25% EVERGREEN REQUIRED/PROVIDED	3	7
	SHRUB	OPEN SPACE	TWO SHRUBS PER 500 SF OF REQUIRED OPEN SPACE	118	253
			MINIMUM 25% EVERGREEN	30	156
		PONDING AREA	THREE SHRUBS PER 500 SF OF PONDING AREA	35	35
			MINIMUM 25% EVERGREEN REQUIRED/PROVIDED	9	31
STREET TREE				REQUIRED	PROVIDED
	ONE TREE PER 30 LF ON AVERAGE			-	-
		799	LF	27	27
PARKING LOT				REQUIRED	PROVIDED
	ONE TREE PER 25 LF ON AVERAGE IF ABUTS OR OCCUPIES A STREET YARD			-	-
	MINIMUM 10 SF OF LANDSCAPE AREA PER PARKING SPACE			-	-
		152	PARKING SPACE	1520	12,094
	ONE TREE PER 90 SF OF LANDSCAPE AREA (1920 SF/90)			17	17
COOL SEASON TURF				REQUIRED	PROVIDED
	MAXIMUM 1,000 SQ. FT. OR 3% OF REQUIRED OPEN SPACE (WHICHEVER IS GREATER)			-	945
FENCE/WALL SCREENING				REQUIRED	PROVIDED
	WALLS AND FENCES SHALL BE LANDSCAPED WITH PLANT MATERIAL THAT IS PREDOMINANTLY THORNY OR OTHER BARRIER PLANTINGS THAT WILL COVER A MINIMUM OF 75% OF THE FACE OF THE FENCE OR WALL AT MATURITY			5057	5164
TOTALS				REQUIRED	PROVIDED
	TREES		2" CAL OR 6' HT.	59	71
	SHRUBS		5 GAL	153	279



WATER BUDGET CALCULATIONS

ALL SITE LANDSCAPING

YEAR 1 AND YEAR 2
DRIP IRRIGATION TO TREES AND SHRUBS
4 MONTHS AT 1 RUN TIME PER MONTH
4 MONTHS AT 1 RUN TIME PER WEEK
4 MONTHS AT 4 RUN TIMES PER WEEK
APPROX. 90 RUN CYCLES PER YEAR

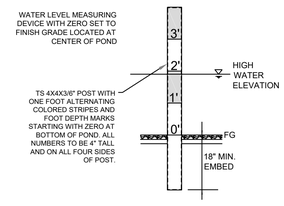
71	TREES	=	426	GALLONS PER RUN CYCLE			
365	SHRUBS	=	730	GALLONS PER RUN CYCLE			
1156	GALLONS PER RUN CYCLE X 90 RUN TIMES	=	104040	GPY	/	0.32	ACRE FT.
SPRAY IRRIGATION TO LAWN							
945	SF X 3' PER YEAR	=	21207.27	GPY	/	0.07	ACRE FT.
TOTAL WATER USE PER YEAR		=	125247.27	GPY	/	0.38	ACRE FT.

YEAR 3 AND BEYOND
DRIP IRRIGATION TO TREES AND SHRUBS
4 MONTHS AT 1 RUN TIME PER MONTH
4 MONTHS AT 1 RUN TIME PER WEEK
4 MONTHS AT 3 RUN TIMES PER WEEK
APPROX. .77 RUN CYCLES PER YEAR

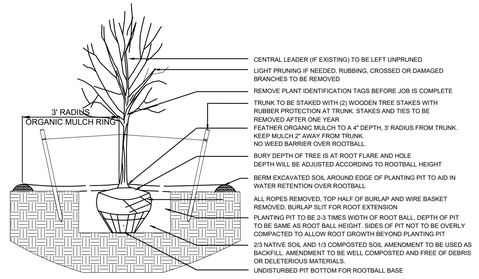
71	TREES	=	426	GALLONS PER RUN CYCLE			
365	SHRUBS	=	730	GALLONS PER RUN CYCLE			
1156	GALLONS PER RUN CYCLE X .77 RUN TIMES	=	89012	GPY	/	0.27	ACRE FT.
SPRAY IRRIGATION TO LAWN							
945	SF X 3' PER YEAR	=	21207.27	GPY	/	0.07	ACRE FT.
TOTAL WATER USE PER YEAR		=	110219.27	GPY	/	0.34	ACRE FT.

NOTE: THIS WATER BUDGET IS APPROXIMATE AND IS TO BE USED AS A GUIDELINE AND ADJUSTED ACCORDING TO SITE CONDITIONS

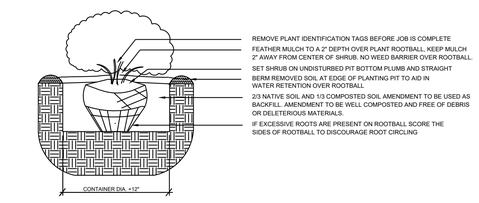
1



1 WATER LEVEL MEASURING DEVICE NTS



2 TREE PLANTING DETAIL N.T.S.



3 SHRUB PLANTING DETAIL N.T.S.

LANDSCAPE NOTES

1. ALL GRAVEL MULCHES TO BE A 2-INCHES MINIMUM THICKNESS OVER WEED BARRIER.
2. FILTER FABRIC UNDER ALL GRAVEL MULCHES AND RIP RAP ROCK. MULCH TO BE ONE HALF INCH BELOW CONCRETE AND TWO INCHES BELOW TOP OF CURB AND NOTED ON LANDSCAPE PLAN.
3. PLANTS TO BE IRRIGATED WITH AUTOMATIC DRIP IRRIGATION SYSTEM PROTECTED WITH BACKFLOW PREVENTION DEVICE (SEE DETAILS).
4. EXISTING LANDSCAPE AREAS OUTSIDE PROJECT AREA TO BE PROTECTED DURING CONSTRUCTION.
5. STREET TREES PROVIDED AT APPROX. 30' ON CENTER.
6. PROPOSED COOL SEASON SOD AREA WILL BE FOR RECREATIONAL USE. SOD USED WILL BE THE SIEMPRE VERDE FESCUE MIX FROM EVERGREEN TRUF.
7. TURF GRASS SOD OR TURF GRASS SEED MIXES CONTAIN NO MORE THAN TWENTY-FIVE PERCENT KENTUCKY BLUEGRASS PER 14-8.4(F)(3)(A) .
8. PLANTS LOCATED IN BOTTOM THIRD OF POND AREAS ARE ADAPTED TO PERIODS OF INUNDATION.
9. NO OBJECTS, WALLS, FENCES, PARKED VEHICLES OR VEGETATION SHALL BE PLACED WITHIN CLEAR-SIGHT TRIANGLES BETWEEN 3' AND 6' HEIGHT.
10. STREET TREES WILL BE INSTALLED SO AS TO NOT OBSTRUCT STREET SIGNS.
11. STREET TREES TO BE LOCATED/ADJUSTED TO BE A MINIMUM OF 15' FROM STREET LIGHT STANDARDS AND FIRE HYDRANTS PER ZONING SECTION 14-8.4(G)(3)(e)(f).
12. ALL PROJECT STREET TREES SHALL BE IRRIGATED AND MAINTAINED BY THE DEVELOPER.
13. NO TREES SHALL BE SITUATED WITHIN 15 FEET OF A WATERMAIN OR WASTEWATER MAIN PER CITY UTILITY CODES.
14. ALL PROJECT STREET TREES SHALL BE IRRIGATED AND MAINTAINED BY THE DEVELOPER.
15. A LANDSCAPE IRRIGATION PLAN BY A QUALIFIED IRRIGATION DESIGNER PER COSF CODE CHAPTER 14-8.4(E) WATER HARVESTING AND IRRIGATION STANDARDS AND COSF LANDSCAPE IRRIGATION DESIGN STANDARDS TO BE PROVIDED.
16. THIS PLAN INCORPORATES PASSIVE WATER HARVESTING TECHNIQUES FOR LANDSCAPE IRRIGATION WHEREVER MADE POSSIBLE BY THE GRADING AND DRAINAGE PLAN. DETENTION AND RETENTION PONDS ARE INTENDED AS INTEGRATED LANDSCAPE FEATURES RATHER THAN SINGLE USE FLOOD CONTROL FEATURES.
17. TRANSITION LINE BETWEEN EXCAVATION AND NATIVE SOIL SHALL BE SMOOTHLY RAKED, CREATING A CLEAN CONSISTENT GRADE. EXISTING GRADE BELOW NATIVE TREES AND SHRUBS SHALL REMAIN UNDISTURBED THROUGHOUT THE DRIPLINE OF THE PLANT MATERIAL. NO MOUNDING OF SOIL, FILL DIRT, ORGANIC OR INORGANIC DEBRIS SHALL BE ABANDONED UNDER NATIVE PLANT MATERIAL CANOPIES.
18. ALL DISTURBED AREAS DUE TO CONSTRUCTION AND NOT PART OF THE LANDSCAPE PLAN SHALL BE REVEGETATED AND IRRIGATED INCLUDING SPOIL PILES AND STOCKPILES OF ANY MATERIAL. GRASS SEED MIX SHALL BE DRYLAND BLEND NATIVE GRASS MIXTURE FROM PLANTS OF THE SOUTHWEST OR EQUAL. THE SEED RATE SHALL BE 2 LBS. PER 1,000 SF.
19. AREAS OF NATURAL GRAVEL, COBBLE, FRACTURED STONE, AND/OR BOULDER FIELDS SHALL BE RESTORED TO THE NATURAL STATE THAT EXISTED PRIOR TO CONSTRUCTION. GRADE OUT ANY DAMAGE TO THE NATURAL TERRAIN PRIOR TO THE RE-APPLICATION OF NATIVE STONE MATERIAL.
20. TRANSITION LINE BETWEEN EXCAVATION AND NATIVE SOIL SHALL BE SMOOTHLY RAKED, CREATING A CLEAN CONSISTENT GRADE. EXISTING GRADE BELOW NATIVE TREES AND SHRUBS SHALL REMAIN UNDISTURBED THROUGHOUT THE DRIPLINE OF THE PLANT MATERIAL. NO MOUNDING OF SOIL, FILL DIRT, ORGANIC OR INORGANIC DEBRIS SHALL BE ABANDONED UNDER NATIVE PLANT MATERIAL CANOPIES.
21. ALL PLANTS SHALL BE COVERED BY A 1-YEAR WARRANTY FROM POINT OF SUBSTANTIAL COMPLETION, PROVIDED THAT PROPER MAINTENANCE HAS BEEN PERFORMED ON LANDSCAPE.
22. 14-8.4(F)(2)(f) ANY PLANT MATERIAL REQUIRED BY THIS SECTION 14-8.4 THAT FAILS TO SHOW HEALTHY GROWTH DUE TO DAMAGE, PEST, DISEASE OR NEGLECT SHALL BE PROMPTLY REPLACED WITH A SIMILAR PLANT.
23. 14-8.4(F)(2)(j) THE OWNER SHALL PROPERLY MAINTAIN ALL MATERIALS AND INSTALLATION REQUIRED BY THIS SECTION 14-8.4 INCLUDING PROPER PRUNING, SOIL TESTING, FERTILIZING, AND WEEDING.
24. ALL REMOVED SIGNIFICANT TREES SHALL BE REPLACED TREE FOR TREE.
25. NUMBER OF 2" CALIPER DECIDUOUS AND 6' OR TALLER EVERGREEN SIGNIFICANT TREES REQUIRED BY CODE MUST BE MAINTAINED.
26. 14-8.4(F)(5)(a)(ii) SIGNIFICANT TREES THAT ARE TO BE PRESERVED OR RELOCATED SHALL BE HEALTHY AND FREE FROM SERIOUS INSECT OR PARASITE INFESTATION. CITY STAFF SHALL INSPECT SIGNIFICANT TREES PRIOR TO REMOVALS FOR TREE HEALTH. CITY STAFF TO COMPLETE AN INSPECTION PRIOR TO ANY TREE REMOVALS. INSPECTION DATE SHALL BE DETERMINED AT THE PRE-CONSTRUCTION MEETING.
27. EXISTING GRADE BELOW NATIVE TREES AND SHRUBS SHALL REMAIN UNDISTURBED THROUGHOUT THE DRIPLINE OF THE PLANT MATERIAL. NO MOUNDING OF SOIL, FILL DIRT, ORGANIC OR INORGANIC DEBRIS SHALL BE ABANDONED UNDER NATIVE PLANT MATERIAL CANOPIES.
28. 14-8.4(G)(3)(f) TREES LOCATED UNDER UTILITY LINES SHALL BE A SPECIES THAT MAINTAINS A MINIMUM OF FIVE (5) FEET OF CLEARANCE FROM OVERHEAD UTILITY LINES AT MATURITY. CITY STAFF TO COMPLETE AN INSPECTION PRIOR TO ANY TREE REMOVALS. INSPECTION DATE SHALL BE DETERMINED AT THE PRE-CONSTRUCTION MEETING.
29. 14-8.4(E)(4)(g) PLANTING BEDS SHALL BE SWALED, SLOPED OR RECESSED BELOW GRADE PREVENT FUGITIVE WATER.
30. RETENTION PONDS DEEPER THAN THREE FEET REQUIRE A SECURITY FENCE AND MAINTENANCE GATE. FENCE SHALL BE FIVE IN HEIGHT. THE FOLLOWING SHALL ALSO APPLY 14-8.4(J) SCREENING AND BUFFERING, 14-8.5 WALLS AND FENCES. 14-8.4(J)(1) WALL AND FENCES: FOR ANY PROJECT TO WHICH THIS SUBSECTION 14-8.4(J) APPLIES, PUBLICLY VISIBLE WALLS AND FENCES SHALL BE WROUGHT IRON OR SIMULATED WROUGHT IRON, WOOD OR SIMULATED WOOD, CEDAR POLE, ADOBE, SPLIT-FACED CONCRETE BLOCK, STONE, STUCCOED OR RECTANGULAR MESH WIRE ON WOODEN POSTS IN COMBINATION WITH VINES OR OTHER CLIMBING PLANT MATERIAL 14-8.4(J)(2)(b)(i) ANY WALL OR FENCE THAT IS MORE THAN THREE(3) FEET INHEIGHT ABOVE FINISHED GRADE ON THE SIDE FACING THE STREET, SHALL BE SET BACK FROM THE STREET RIGHT OF WAY LINE A DISTANCE EQUAL TO OR GREATER THAT THE HEIGHT.
31. A WATER LEVEL MEASURING DEVICE WITH ZERO SET AT FINISH GRADE LOCATED AT THE CENTER OF EACH POND IS REQUIRED.
32. RETENTION PONDS REQUIRE AN OVERFLOW DEVISE. REFER TO CIVIL DRAWINGS FOR RETENTION PONDS OVERFLOW DEVICES.
33. ALL GRAVEL AND COBBLE TO BE SCREENED AND WASHED.
34. 14-8.4(J)(2)(b)(ii) THE SETBACK AREA REQUIRED BY SUBSECTION (b)(i) SHALL BE LANDSCAPED WITH PLANT MATERIAL THAT CONSISTS OF PREDOMINANTLY THORNY OR OTHER BARRIER PLANTINGS THAT WILL COVER A MINIMUM OF SEVENTY-FIVE PERCENT OF THE GROUND AREA OF THE PLANTER AND THAT WILL SCREEN A MINIMUM OF SEVENTY-FIVE PERCENT OF THE FACE OF THE FENCE OR WALL AT MATURITY.
35. THE RP MUST BE INSTALLED A MINIMUM DISTANCE OF FIVE (5) FEET FROM THE METER SERVICE. BACKFLOW PREVENTERS SHALL BE PLACED OUTSIDE OF STREET RIGHT OF WAY. BACKFLOW PREVENTERS SHALL NOT BE LOCATED WITHIN THE PLANTER STRIP WITHOUT WATER DIVISION WRITTEN APPROVAL.

YELLOWSTONE LANDSCAPE
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Albuquerque, NM 87184
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STATE OF NEW MEXICO — CODY McNALLEN — 650 — REGISTERED LANDSCAPE ARCHITECT — 12/01/25

Date: 10/14/2025
Revisions:
1 12/01/2025

Drawn by: PL
Reviewed by: CM

AC by Marriott Hotel

1000, 1101 & 1103 Cerrillos Road
Santa Fe, New Mexico

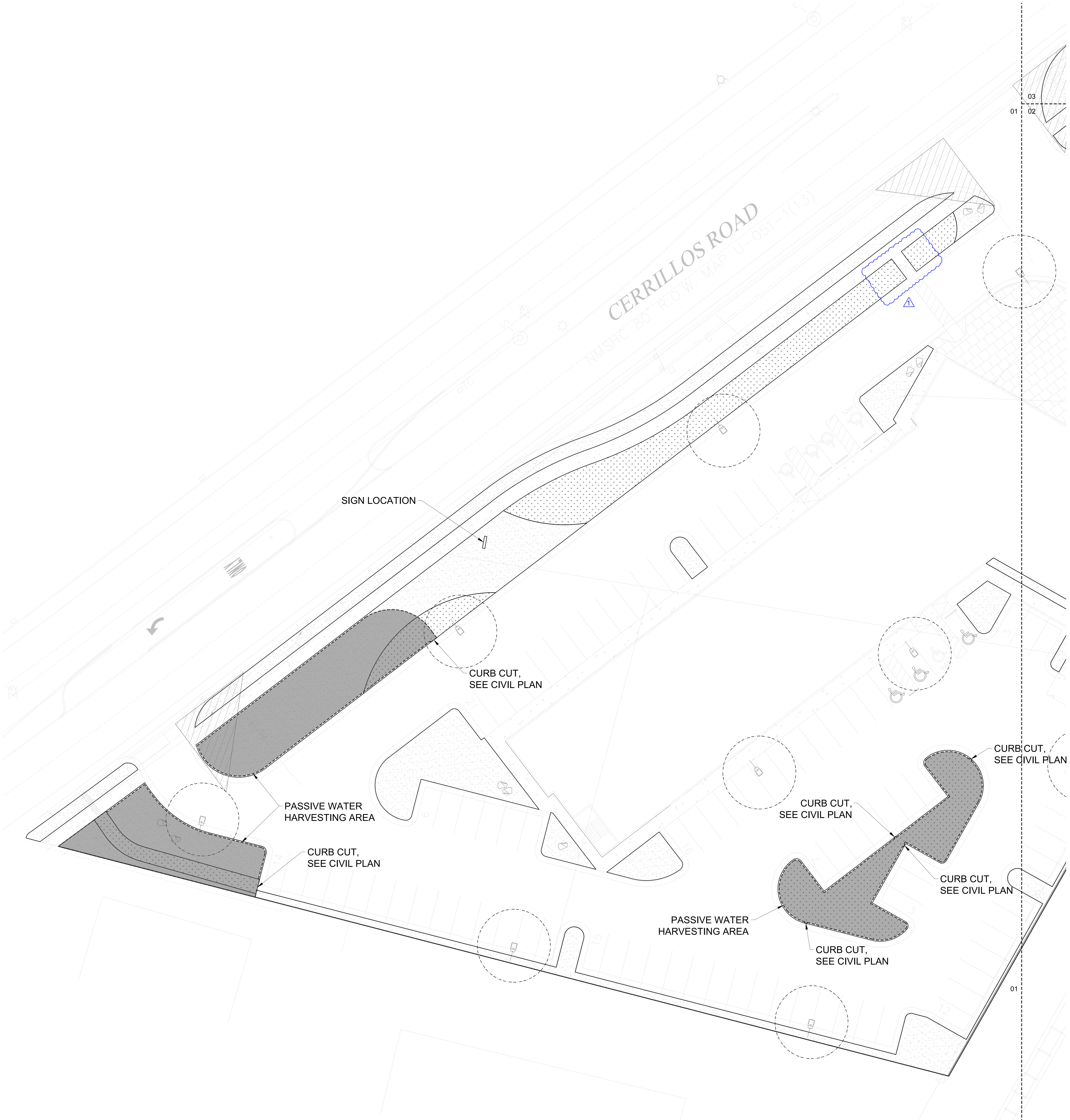
NORTH

Scale: 1" = 40'

20 0 40 80

Sheet Title:
Material Plan Overall

Sheet Number:
LS-00



Material Schedule

SYMBOL	DESCRIPTION
	MOUNTAINAIR BROWN 7/8" GRAVEL 3" DEPTH OVER FILTER FABRIC
	MOUNTAINAIR BLUSH 2-4" ANGULAR COBBLE 4" DEPTH OVER FILTER FABRIC
	SIEMPRE VERDE FESCUE SOD
	LARGE BOULDER
	PASSIVE WATER HARVESTING AREA
	15' POLE LIGHT BUFFER

LANDSCAPE DATA

AREAS (SF)				REQUIRED	PROVIDED
	OPEN SPACE			29,621	48,455
	PONDING AREA			-	5,774
OPEN SPACE PLANTING				REQUIRED	PROVIDED
	TREE	OPEN SPACE	ONE TREE PER 500 SF OF REQUIRED OPEN SPACE	59	59
			MINIMUM 25% EVERGREEN	15	15
		PONDING AREA	ONE TREE PER 500 SF OF PONDING AREA	12	12
			MINIMUM 25% EVERGREEN REQUIRED/PROVIDED	3	7
	SHRUB	OPEN SPACE	TWO SHRUBS PER 500 SF OF REQUIRED OPEN SPACE	118	253
			MINIMUM 25% EVERGREEN	30	156
		PONDING AREA	THREE SHRUBS PER 500 SF OF PONDING AREA	35	35
			MINIMUM 25% EVERGREEN REQUIRED/PROVIDED	9	31
STREET TREE				REQUIRED	PROVIDED
	ONE TREE PER 30 LF ON AVERAGE			-	-
		799	LF	27	27
PARKING LOT				REQUIRED	PROVIDED
	ONE TREE PER 25 LF ON AVERAGE IF ABUTS OR OCCUPIES A STREET YARD			-	-
	MINIMUM 10 SF OF LANDSCAPE AREA PER PARKING SPACE			-	-
		152	PARKING SPACE	1520	12,094
	ONE TREE PER 90 SF OF LANDSCAPE AREA (1920 SF/90)			17	17
COOL SEASON TURF				REQUIRED	PROVIDED
	MAXIMUM 1,000 SQ. FT. OR 3% OF REQUIRED OPEN SPACE (WHICHEVER IS GREATER)			-	945
FENCE/WALL SCREENING				REQUIRED	PROVIDED
	WALLS AND FENCES SHALL BE LANDSCAPED WITH PLANT MATERIAL THAT IS PREDOMINANTLY THORNY OR OTHER BARRIER PLANTINGS THAT WILL COVER A MINIMUM OF 75% OF THE FACE OF THE FENCE OR WALL AT MATURITY			5057	5164
TOTALS				REQUIRED	PROVIDED
	TREES		2" CAL OR 6' HT.	59	71
	SHRUBS		5 GAL	153	279

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STATE OF NEW MEXICO
CODY McNALLEN
650
REGISTERED
LANDSCAPE ARCHITECT
12/01/25

Date: 10/14/2025
Revisions:
1 12/01/2025

Drawn by: PL
Reviewed by: CM

AC by Marriott Hotel

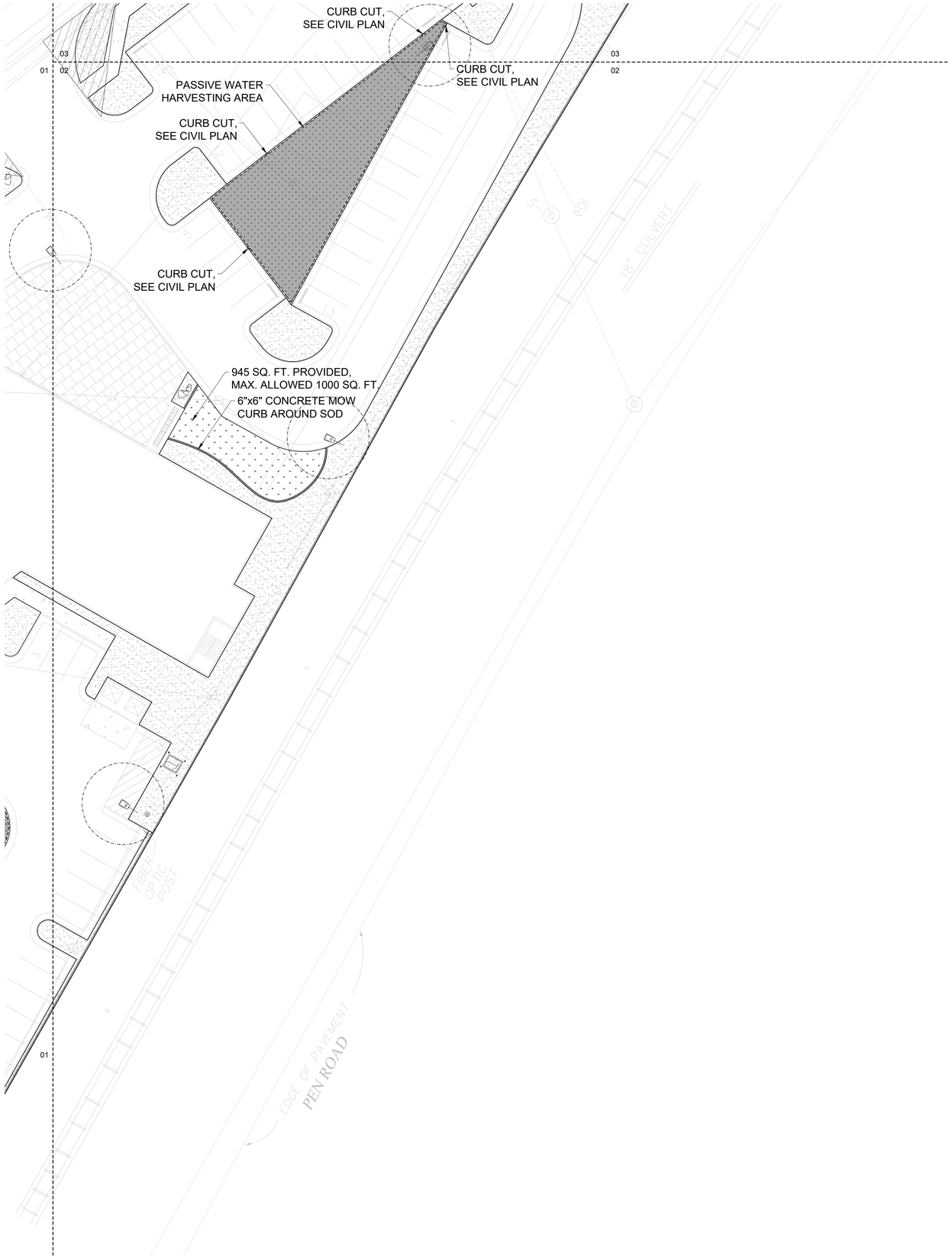
1000, 1101 & 1103 Cerrillos Road
Santa Fe, New Mexico

NORTH

Scale: 1" = 20'
10 0 20 40

Sheet Title:
Material Plan Enlargement

Sheet Number:
LS-01



Material Schedule

SYMBOL	DESCRIPTION
	MOUNTAINAIR BROWN 7/8" GRAVEL 3" DEPTH OVER FILTER FABRIC
	MOUNTAINAIR BLUSH 2-4" ANGULAR COBBLE 4" DEPTH OVER FILTER FABRIC
	SIEMPRE VERDE FESCUE SOD
	LARGE BOULDER
	PASSIVE WATER HARVESTING AREA
	15' POLE LIGHT BUFFER

LANDSCAPE DATA

				REQUIRED	PROVIDED
AREAS (SF)					
	OPEN SPACE			29,621	48,455
	PONDING AREA			-	5,774
OPEN SPACE PLANTING				REQUIRED	PROVIDED
	TREE	OPEN SPACE	ONE TREE PER 500 SF OF REQUIRED OPEN SPACE	59	59
			MINIMUM 25% EVERGREEN	15	15
		PONDING AREA	ONE TREE PER 500 SF OF PONDING AREA	12	12
			MINIMUM 25% EVERGREEN REQUIRED/PROVIDED	3	7
	SHRUB	OPEN SPACE	TWO SHRUBS PER 500 SF OF REQUIRED OPEN SPACE	118	253 ⚠1
			MINIMUM 25% EVERGREEN	30	156
		PONDING AREA	THREE SHRUBS PER 500 SF OF PONDING AREA	35	35
			MINIMUM 25% EVERGREEN REQUIRED/PROVIDED	9	31
STREET TREE				REQUIRED	PROVIDED
	ONE TREE PER 30 LF ON AVERAGE			-	-
		799	LF	27	27
PARKING LOT				REQUIRED	PROVIDED
	ONE TREE PER 25 LF ON AVERAGE IF ABUTS OR OCCUPIES A STREET YARD			-	-
	MINIMUM 10 SF OF LANDSCAPE AREA PER PARKING SPACE			-	-
		152	PARKING SPACE	1520	12,094
	ONE TREE PER 90 SF OF LANDSCAPE AREA (1920 SF/90)			17	17
COOL SEASON TURF				REQUIRED	PROVIDED
	MAXIMUM 1,000 SQ. FT. OR 3% OF REQUIRED OPEN SPACE (WHICHEVER IS GREATER)			-	945
FENCE/WALL SCREENING				REQUIRED	PROVIDED
	WALLS AND FENCES SHALL BE LANDSCAPED WITH PLANT MATERIAL THAT IS PREDOMINANTLY THORNY OR OTHER BARRIER PLANTINGS THAT WILL COVER A MINIMUM OF 75% OF THE FACE OF THE FENCE OR WALL AT MATURITY			5057	5164
TOTALS				REQUIRED	PROVIDED
	TREES		2" CAL OR 6' HT.	59	71
	SHRUBS		5 GAL	153	279 ⚠1

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NORTH

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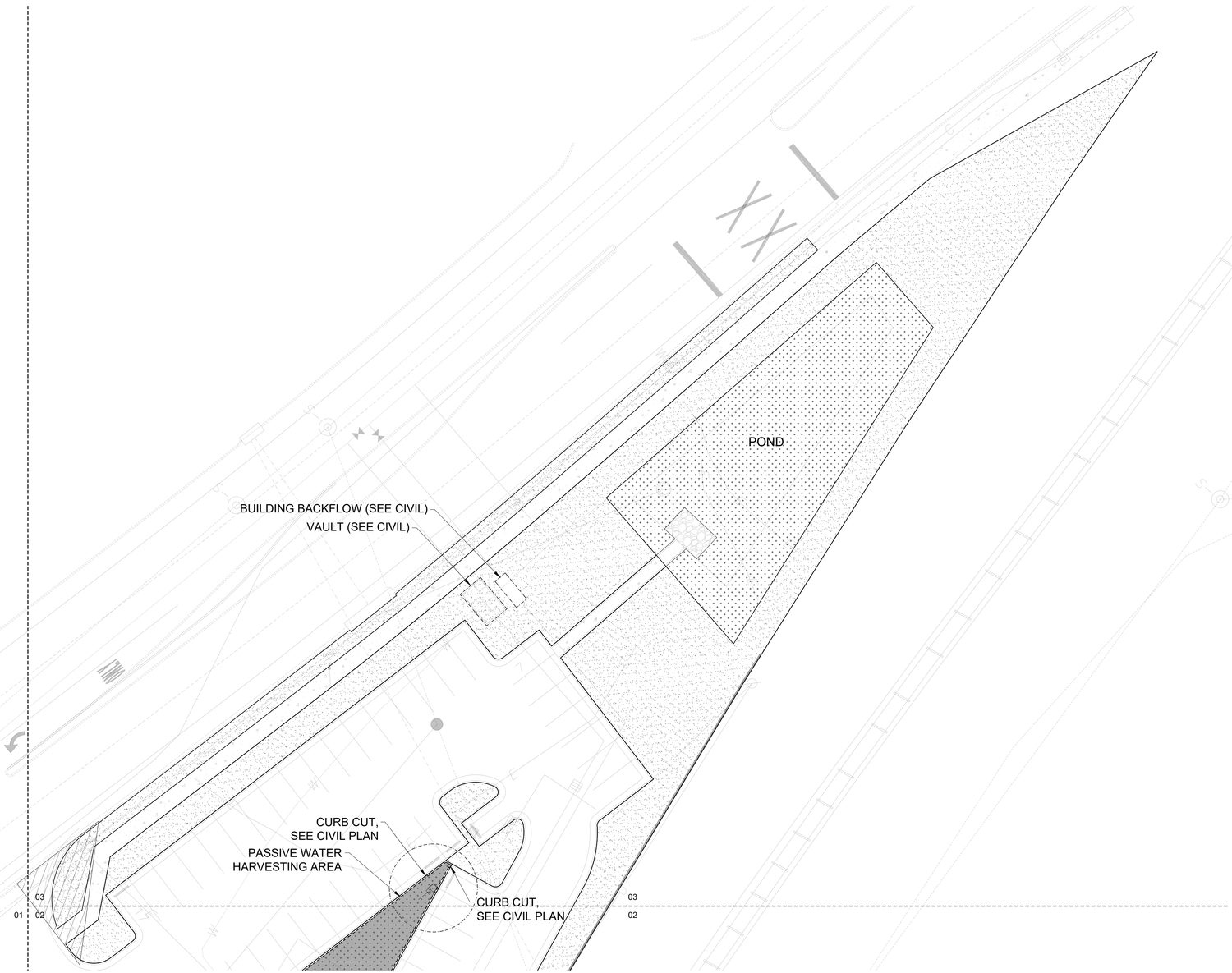
10 0 20 40

Sheet Title:
Material Plan Enlargement

Sheet Number:
LS-02

Material Schedule

SYMBOL	DESCRIPTION
	MOUNTAINAIR BROWN 7/8" GRAVEL 3" DEPTH OVER FILTER FABRIC
	MOUNTAINAIR BLUSH 2-4" ANGULAR COBBLE 4" DEPTH OVER FILTER FABRIC
	SIEMPRE VERDE FESCUE SOD
	LARGE BOULDER
	PASSIVE WATER HARVESTING AREA
	15' POLE LIGHT BUFFER



LANDSCAPE DATA

AREAS (SF)				REQUIRED	PROVIDED
	OPEN SPACE			29,621	48,455
	PONDING AREA			-	5,774
OPEN SPACE PLANTING				REQUIRED	PROVIDED
	TREE	OPEN SPACE	ONE TREE PER 500 SF OF REQUIRED OPEN SPACE	59	59
			MINIMUM 25% EVERGREEN	15	15
		PONDING AREA	ONE TREE PER 500 SF OF PONDING AREA	12	12
			MINIMUM 25% EVERGREEN REQUIRED/PROVIDED	3	7
	SHRUB	OPEN SPACE	TWO SHRUBS PER 500 SF OF REQUIRED OPEN SPACE	118	253 ⚠1
			MINIMUM 25% EVERGREEN	30	156
		PONDING AREA	THREE SHRUBS PER 500 SF OF PONDING AREA	35	35
			MINIMUM 25% EVERGREEN REQUIRED/PROVIDED	9	31
STREET TREE				REQUIRED	PROVIDED
	ONE TREE PER 30 LF ON AVERAGE			-	-
		799	LF	27	27
PARKING LOT				REQUIRED	PROVIDED
	ONE TREE PER 25 LF ON AVERAGE IF ABUTS OR OCCUPIES A STREET YARD			-	-
	MINIMUM 10 SF OF LANDSCAPE AREA PER PARKING SPACE			-	-
		152	PARKING SPACE	1520	12,094
	ONE TREE PER 90 SF OF LANDSCAPE AREA (1920 SF/90)			17	17
COOL SEASON TURF				REQUIRED	PROVIDED
	MAXIMUM 1,000 SQ. FT. OR 3% OF REQUIRED OPEN SPACE (WHICHEVER IS GREATER)			-	945
FENCE/WALL SCREENING				REQUIRED	PROVIDED
	WALLS AND FENCES SHALL BE LANDSCAPED WITH PLANT MATERIAL THAT IS PREDOMINANTLY THORNY OR OTHER BARRIER PLANTINGS THAT WILL COVER A MINIMUM OF 75% OF THE FACE OF THE FENCE OR WALL AT MATURITY			5057	5164
TOTALS				REQUIRED	PROVIDED
	TREES		2" CAL OR 6' HT.	59	71
	SHRUBS		5 GAL	153	279 ⚠1

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NORTH

Scale: 1" = 20'

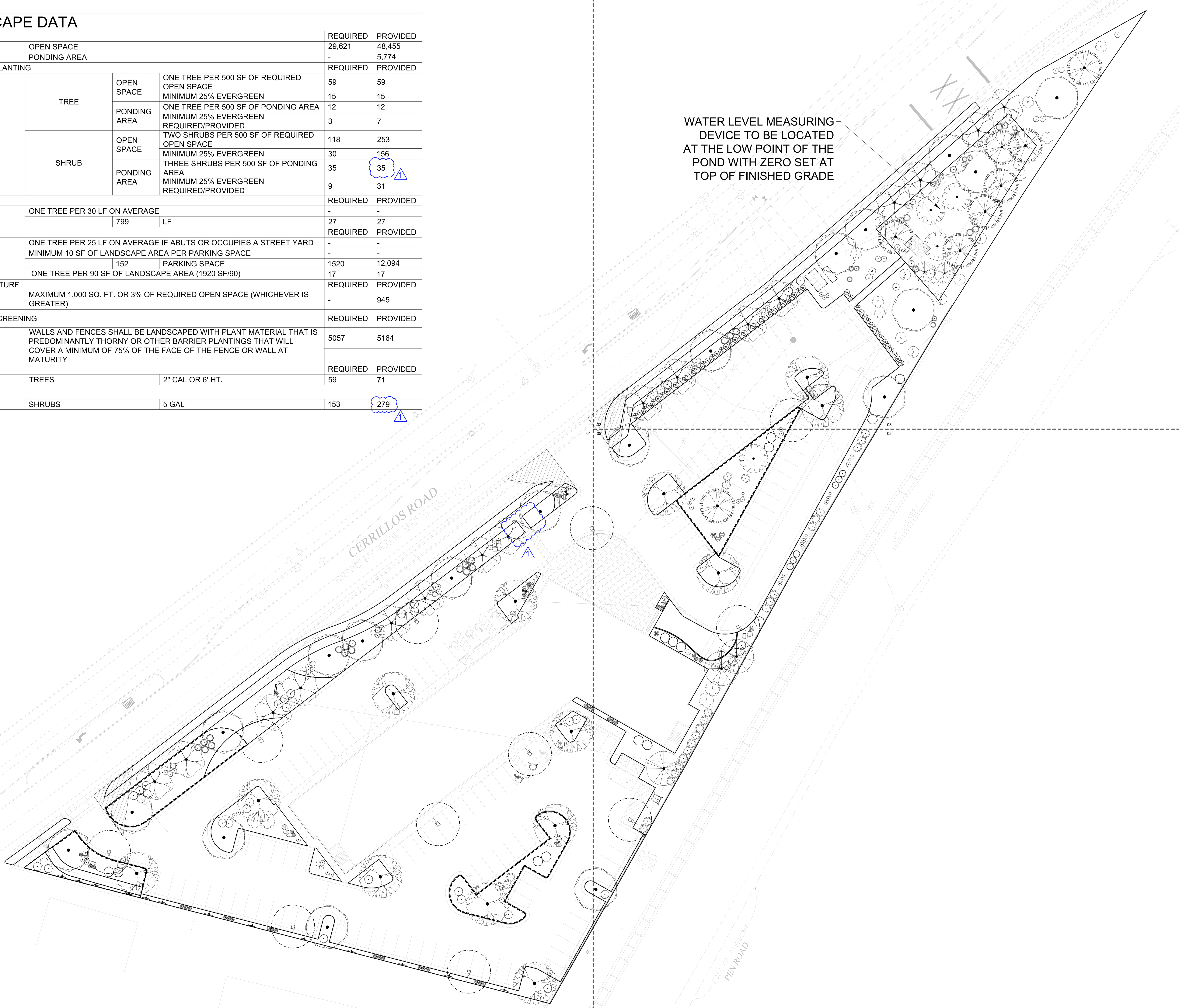
10 0 20 40

Sheet Title:
Material Plan Enlargement

Sheet Number:
LS-03

LANDSCAPE DATA

AREAS (SF)				REQUIRED	PROVIDED
	OPEN SPACE			29,621	48,455
	PONDING AREA			-	5,774
OPEN SPACE PLANTING				REQUIRED	PROVIDED
	TREE	OPEN SPACE	ONE TREE PER 500 SF OF REQUIRED OPEN SPACE	59	59
			MINIMUM 25% EVERGREEN	15	15
		PONDING AREA	ONE TREE PER 500 SF OF PONDING AREA	12	12
			MINIMUM 25% EVERGREEN REQUIRED/PROVIDED	3	7
	SHRUB	OPEN SPACE	TWO SHRUBS PER 500 SF OF REQUIRED OPEN SPACE	118	253
			MINIMUM 25% EVERGREEN	30	156
		PONDING AREA	THREE SHRUBS PER 500 SF OF PONDING AREA	35	35 (1)
			MINIMUM 25% EVERGREEN REQUIRED/PROVIDED	9	31
STREET TREE				REQUIRED	PROVIDED
	ONE TREE PER 30 LF ON AVERAGE			-	-
		799	LF	27	27
PARKING LOT				REQUIRED	PROVIDED
	ONE TREE PER 25 LF ON AVERAGE IF ABUTS OR OCCUPIES A STREET YARD			-	-
	MINIMUM 10 SF OF LANDSCAPE AREA PER PARKING SPACE			-	-
		152	PARKING SPACE	1520	12,094
	ONE TREE PER 90 SF OF LANDSCAPE AREA (1920 SF/90)			17	17
COOL SEASON TURF				REQUIRED	PROVIDED
	MAXIMUM 1,000 SQ. FT. OR 3% OF REQUIRED OPEN SPACE (WHICHEVER IS GREATER)			-	945
FENCE/WALL SCREENING				REQUIRED	PROVIDED
	WALLS AND FENCES SHALL BE LANDSCAPED WITH PLANT MATERIAL THAT IS PREDOMINANTLY THORNY OR OTHER BARRIER PLANTINGS THAT WILL COVER A MINIMUM OF 75% OF THE FACE OF THE FENCE OR WALL AT MATURITY			5057	5164
TOTALS				REQUIRED	PROVIDED
	TREES	2" CAL OR 6' HT.		59	71
	SHRUBS	5 GAL		153	279 (1)



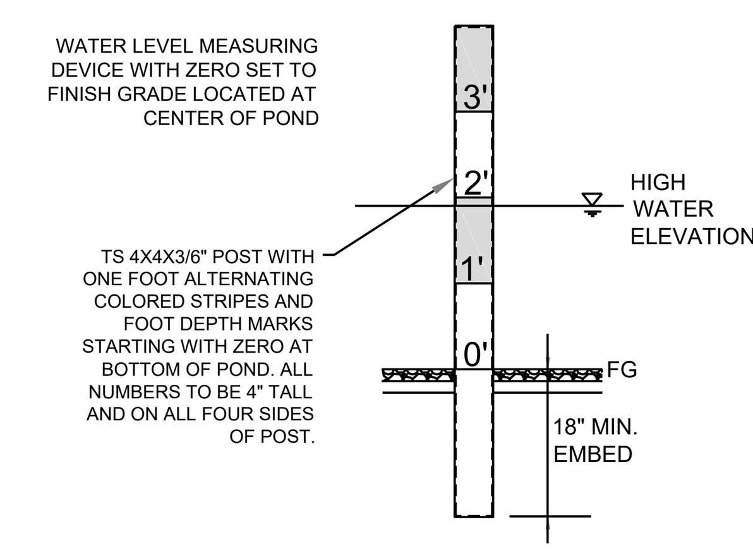
WATER BUDGET CALCULATIONS

ALL SITE LANDSCAPING

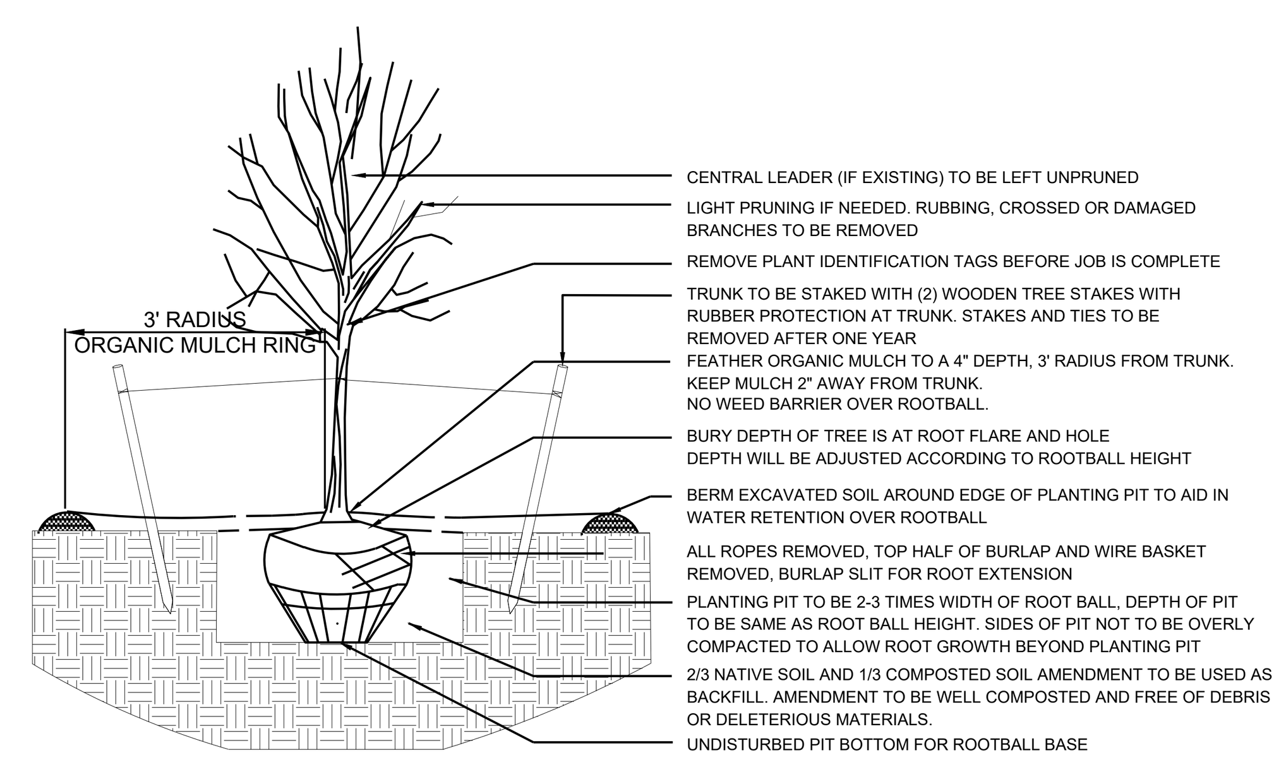
YEAR 1 AND YEAR 2
DRIP IRRIGATION TO TREES AND SHRUBS
4 MONTHS AT 1 RUN TIME PER MONTH
4 MONTHS AT 1 RUN TIME PER WEEK
4 MONTHS AT 4 RUN TIMES PER WEEK
APPROX. 90 RUN CYCLES PER YEAR
71 TREES = 426 GALLONS PER RUN CYCLE
365 SHRUBS = 730 GALLONS PER RUN CYCLE
1156 GALLONS PER RUN CYCLE X 90 RUN TIMES = 104040 GPY / 0.32 ACRE FT.
SPRAY IRRIGATION TO LAWN
945 SF X 3' PER YEAR = 21207.27 GPY / 0.07 ACRE FT.
TOTAL WATER USE PER YEAR = 125247.27 GPY / 0.38 ACRE FT.

YEAR 3 AND BEYOND
DRIP IRRIGATION TO TREES AND SHRUBS
4 MONTHS AT 1 RUN TIME PER MONTH
4 MONTHS AT 1 RUN TIME PER WEEK
4 MONTHS AT 3 RUN TIMES PER WEEK
APPROX. .77 RUN CYCLES PER YEAR
71 TREES = 426 GALLONS PER RUN CYCLE
365 SHRUBS = 730 GALLONS PER RUN CYCLE
1156 GALLONS PER RUN CYCLE X .77 RUN TIMES = 89012 GPY / 0.27 ACRE FT.
SPRAY IRRIGATION TO LAWN
945 SF X 3' PER YEAR = 21207.27 GPY / 0.07 ACRE FT.
TOTAL WATER USE PER YEAR = 110219.27 GPY / 0.34 ACRE FT.

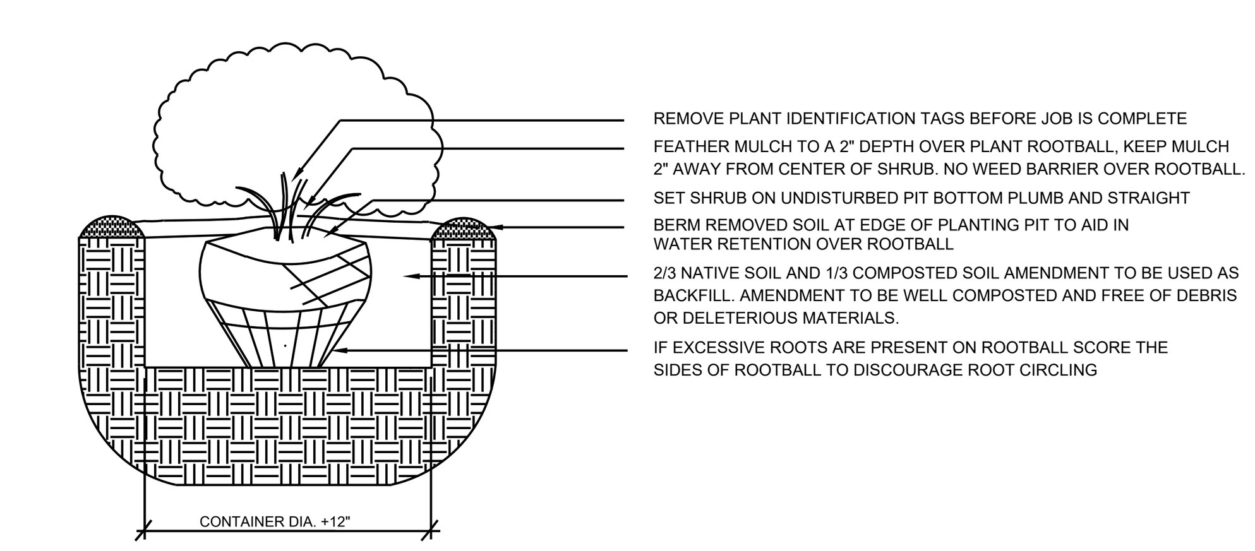
NOTE: THIS WATER BUDGET IS APPROXIMATE AND IS TO BE USED AS A GUIDELINE AND ADJUSTED ACCORDING TO SITE CONDITIONS



1 WATER LEVEL MEASURING DEVICE NTS



2 TREE PLANTING DETAIL N.T.S.



3 SHRUB PLANTING DETAIL N.T.S.

LANDSCAPE NOTES

1. ALL GRAVEL MULCHES TO BE A 2-INCHES MINIMUM THICKNESS OVER WEED BARRIER.
2. FILTER FABRIC UNDER ALL GRAVEL MULCHES AND RIP RAP ROCK. MULCH TO BE ONE HALF INCH BELOW CONCRETE AND TWO INCHES BELOW TOP OF CURB AND NOTED ON LANDSCAPE PLAN.
3. PLANTS TO BE IRRIGATED WITH AUTOMATIC DRIP IRRIGATION SYSTEM PROTECTED WITH BACKFLOW PREVENTION DEVICE (SEE DETAILS).
4. EXISTING LANDSCAPE AREAS OUTSIDE PROJECT AREA TO BE PROTECTED DURING CONSTRUCTION.
5. STREET TREES PROVIDED AT APPROX. 30' ON CENTER.
6. PROPOSED COOL SEASON SOD AREA WILL BE FOR RECREATIONAL USE. SOD USED WILL BE THE SIEMPRE VERDE FESCUE MIX FROM EVERGREEN TRUF.
7. TURF GRASS SOD OR TURF GRASS SEED MIXES CONTAIN NO MORE THAN TWENTY-FIVE PERCENT KENTUCKY BLUEGRASS PER 14-8.4(F)(3)(A) .
8. PLANTS LOCATED IN BOTTOM THIRD OF POND AREAS ARE ADAPTED TO PERIODS OF INUNDATION.
9. NO OBJECTS, WALLS, FENCES, PARKED VEHICLES OR VEGETATION SHALL BE PLACED WITHIN CLEAR-SIGHT TRIANGLES BETWEEN 3' AND 6' HEIGHT.
10. STREET TREES WILL BE INSTALLED SO AS TO NOT OBSTRUCT STREET SIGNS.
11. STREET TREES TO BE LOCATED/ADJUSTED TO BE A MINIMUM OF 15' FROM STREET LIGHT STANDARDS AND FIRE HYDRANTS PER ZONING SECTION 14-8.4(G)(3)(e)(f).
12. ALL PROJECT STREET TREES SHALL BE IRRIGATED AND MAINTAINED BY THE DEVELOPER.
13. NO TREES SHALL BE SITUATED WITHIN 15 FEET OF A WATERMAIN OR WASTEWATER MAIN PER CITY UTILITY CODES.
14. ALL PROJECT STREET TREES SHALL BE IRRIGATED AND MAINTAINED BY THE DEVELOPER.
15. A LANDSCAPE IRRIGATION PLAN BY A QUALIFIED IRRIGATION DESIGNER PER COSF CODE CHAPTER 14-8.4(E) WATER HARVESTING AND IRRIGATION STANDARDS AND COSF LANDSCAPE IRRIGATION DESIGN STANDARDS TO BE PROVIDED.
16. THIS PLAN INCORPORATES PASSIVE WATER HARVESTING TECHNIQUES FOR LANDSCAPE IRRIGATION WHEREVER MADE POSSIBLE BY THE GRADING AND DRAINAGE PLAN. DETENTION AND RETENTION PONDS ARE INTENDED AS INTEGRATED LANDSCAPE FEATURES RATHER THAN SINGLE USE FLOOD CONTROL FEATURES.
17. TRANSITION LINE BETWEEN EXCAVATION AND NATIVE SOIL SHALL BE SMOOTHLY RAKED, CREATING A CLEAN CONSISTENT GRADE. EXISTING GRADE BELOW NATIVE TREES AND SHRUBS SHALL REMAIN UNDISTURBED THROUGHOUT THE DRIPLINE OF THE PLANT MATERIAL. NO MOUNDING OF SOIL, FILL DIRT, ORGANIC OR INORGANIC DEBRIS SHALL BE ABANDONED UNDER NATIVE PLANT MATERIAL CANOPIES.
18. ALL DISTURBED AREAS DUE TO CONSTRUCTION AND NOT PART OF THE LANDSCAPE PLAN SHALL BE REVEGETATED AND IRRIGATED INCLUDING SPOIL PILES AND STOCKPILES OF ANY MATERIAL. GRASS SEED MIX SHALL BE DRYLAND BLEND NATIVE GRASS MIXTURE FROM PLANTS OF THE SOUTHWEST OR EQUAL. THE SEED RATE SHALL BE 2 LBS. PER 1,000 SF.
19. AREAS OF NATURAL GRAVEL, COBBLE, FRACTURED STONE, AND/OR BOULDER FIELDS SHALL BE RESTORED TO THE NATURAL STATE THAT EXISTED PRIOR TO CONSTRUCTION. GRADE OUT ANY DAMAGE TO THE NATURAL TERRAIN PRIOR TO THE RE-APPLICATION OF NATIVE STONE MATERIAL.
20. TRANSITION LINE BETWEEN EXCAVATION AND NATIVE SOIL SHALL BE SMOOTHLY RAKED, CREATING A CLEAN CONSISTENT GRADE. EXISTING GRADE BELOW NATIVE TREES AND SHRUBS SHALL REMAIN UNDISTURBED THROUGHOUT THE DRIPLINE OF THE PLANT MATERIAL. NO MOUNDING OF SOIL, FILL DIRT, ORGANIC OR INORGANIC DEBRIS SHALL BE ABANDONED UNDER NATIVE PLANT MATERIAL CANOPIES.
21. ALL PLANTS SHALL BE COVERED BY A 1-YEAR WARRANTY FROM POINT OF SUBSTANTIAL COMPLETION, PROVIDED THAT PROPER MAINTENANCE HAS BEEN PERFORMED ON LANDSCAPE.
22. 14-8.4(F)(2)(f) ANY PLANT MATERIAL REQUIRED BY THIS SECTION 14-8.4 THAT FAILS TO SHOW HEALTHY GROWTH DUE TO DAMAGE, PEST, DISEASE OR NEGLECT SHALL BE PROMPTLY REPLACED WITH A SIMILAR PLANT.
23. 14-8.4(F)(2)(j) THE OWNER SHALL PROPERLY MAINTAIN ALL MATERIALS AND INSTALLATION REQUIRED BY THIS SECTION 14-8.4 INCLUDING PROPER PRUNING, SOIL TESTING, FERTILIZING, AND WEEDING.
24. ALL REMOVED SIGNIFICANT TREES SHALL BE REPLACED TREE FOR TREE.
25. NUMBER OF 2" CALIPER DECIDUOUS AND 6' OR TALLER EVERGREEN SIGNIFICANT TREES REQUIRED BY CODE MUST BE MAINTAINED.
26. 14-8.4(F)(5)(a)(ii) SIGNIFICANT TREES THAT ARE TO BE PRESERVED OR RELOCATED SHALL BE HEALTHY AND FREE FROM SERIOUS INSECT OR PARASITE INFESTATION. CITY STAFF SHALL INSPECT SIGNIFICANT TREES PRIOR TO REMOVALS FOR TREE HEALTH. CITY STAFF TO COMPLETE AN INSPECTION PRIOR TO ANY TREE REMOVALS. INSPECTION DATE SHALL BE DETERMINED AT THE PRE-CONSTRUCTION MEETING.
27. EXISTING GRADE BELOW NATIVE TREES AND SHRUBS SHALL REMAIN UNDISTURBED THROUGHOUT THE DRIPLINE OF THE PLANT MATERIAL. NO MOUNDING OF SOIL, FILL DIRT, ORGANIC OR INORGANIC DEBRIS SHALL BE ABANDONED UNDER NATIVE PLANT MATERIAL CANOPIES.
28. 14-8.4(G)(3)(f) TREES LOCATED UNDER UTILITY LINES SHALL BE A SPECIES THAT MAINTAINS A MINIMUM OF FIVE (5) FEET OF CLEARANCE FROM OVERHEAD UTILITY LINES AT MATURITY. CITY STAFF TO COMPLETE AN INSPECTION PRIOR TO ANY TREE REMOVALS. INSPECTION DATE SHALL BE DETERMINED AT THE PRE-CONSTRUCTION MEETING.
29. 14-8.4(E)(4)(g) PLANTING BEDS SHALL BE SWALED, SLOPED OR RECESSED BELOW GRADE PREVENT FUGITIVE WATER.
30. RETENTION PONDS DEEPER THAN THREE FEET REQUIRE A SECURITY FENCE AND MAINTENANCE GATE. FENCE SHALL BE FIVE IN HEIGHT. THE FOLLOWING SHALL ALSO APPLY 14-8.4(J) SCREENING AND BUFFERING, 14-8.5 WALLS AND FENCES. 14-8.4(J)(1) WALL AND FENCES: FOR ANY PROJECT TO WHICH THIS SUBSECTION 14-8.4(J) APPLIES, PUBLICLY VISIBLE WALLS AND FENCES SHALL BE WROUGHT IRON OR SIMULATED WROUGHT IRON, WOOD OR SIMULATED WOOD, CEDAR POLE, ADOBE, SPLIT-FACED CONCRETE BLOCK, STONE, STUCCOED OR RECTANGULAR MESH WIRE ON WOODEN POSTS IN COMBINATION WITH VINES OR OTHER CLIMBING PLANT MATERIAL.14-8.4(J)(2)(b)(i) ANY WALL OR FENCE THAT IS MORE THAN THREE(3) FEET INHEIGHT ABOVE FINISHED GRADE ON THE SIDE FACING THE STREET, SHALL BE SET BACK FROM THE STREET RIGHT OF WAY LINE A DISTANCE EQUAL TO OR GREATER THAT THE HEIGHT.
31. A WATER LEVEL MEASURING DEVICE WITH ZERO SET AT FINISH GRADE LOCATED AT THE CENTER OF EACH POND IS REQUIRED.
32. RETENTION PONDS REQUIRE AN OVERFLOW DEVISE. REFER TO CIVIL DRAWINGS FOR RETENTION PONDS OVERFLOW DEVICES.
33. ALL GRAVEL AND COBBLE TO BE SCREENED AND WASHED.
34. 14-8.4(J)(2)(b)(ii) THE SETBACK AREA REQUIRED BY SUBSECTION (b)(i) SHALL BE LANDSCAPED WITH PLANT MATERIAL THAT CONSISTS OF PREDOMINANTLY THORNY OR OTHER BARRIER PLANTINGS THAT WILL COVER A MINIMUM OF SEVENTY-FIVE PERCENT OF THE GROUND AREA OF THE PLANTER AND THAT WILL SCREEN A MINIMUM OF SEVENTY-FIVE PERCENT OF THE FACE OF THE FENCE OR WALL AT MATURITY.
35. THE RP MUST BE INSTALLED A MINIMUM DISTANCE OF FIVE (5) FEET FROM THE METER SERVICE. BACKFLOW PREVENTERS SHALL BE PLACED OUTSIDE OF STREET RIGHT OF WAY. BACKFLOW PREVENTERS SHALL NOT BE LOCATED WITHIN THE PLANTER STRIP WITHOUT WATER DIVISION WRITTEN APPROVAL.

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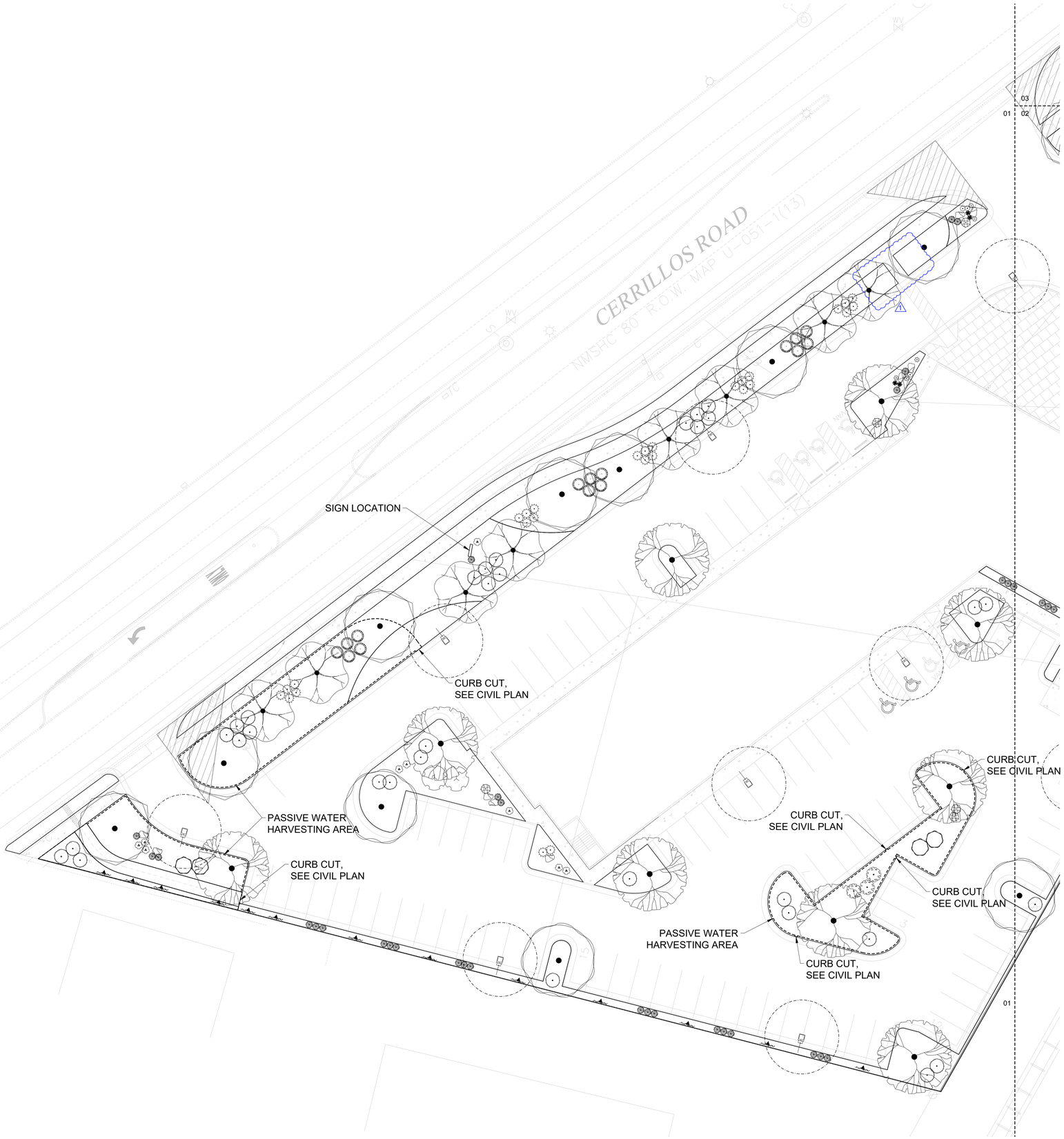
Sheet Title:
Planting Plan Overall

Sheet Number:
LP-00



PLANT SCHEDULE

SYMBOL	QTY	BOTANICAL / COMMON NAME	SIZE	WATER
DECIDUOUS TREE				
	12	ACER NEGUNDO `SENSATION` / SENSATION BOX ELDER MAPLE	2" B&B	L-M
	2	CRATAEGUS AMBIGUA / RUSSIAN HAWTHORN	2" B&B	L-M
	3	KOELREUTERIA PANICULATA / GOLDEN RAIN TREE	2" B&B	L-M
	4	PRUNUS VIRGINIANA `CANADA RED` / CANADA RED CHOKECHERRY	2" B&B	L-M
	13	ULMUS PARVIFOLIA `ALLEE` / ALLEE® LACEBARK ELM	2" B&B	L-M
	16	ULMUS PROPINQUA `EMERALD SUNSHINE` / EMERALD SUNSHINE ELM	2" B&B	L-M
EVERGREEN TREE				
	6	JUNIPERUS CHINENSIS 'SPARTAN' / SPARTAN JUNIPER	6`	L-M
	8	PINUS NIGRA / AUSTRIAN BLACK PINE	6`	L-M
	7	QUERCUS FUSIFORMIS / ESCARPMENT LIVE OAK	2" B&B	L-M
DESERT ACCENT				
	3	DASYLIRION TEXANUM / TEXAS SOTOL	5 GAL	VL-L
	32	HESPERALOE PARVIFLORA / RED YUCCA	5 GAL	L-M
PERENNIAL				
	4	ACHILLEA X `MOONSHINE` / MOONSHINE YARROW	1 GAL	L-M
	7	GAILLARDIA X GRANDIFLORA / BLANKETFLOWER	1 GAL	L-M
	5	NEPETA X FAASSENII `SELECT BLUE` / CATMINT	1 GAL	L-M
ORNAMENTAL GRASS				
	39	BOUTELOUA GRACILIS `BLONDE AMBITION` / BLONDE AMBITION BLUE GRAMA	1 GAL	L-M
VINE				
	13	LONICERA SEMPERVIRENS `MAJOR WHEELER` / MAJOR WHEELER TRUMPET HONEYSUCKLE	5 GAL	MEDIUM
DECIDUOUS SHRUBS				
	13	BERBERIS THUNBERGII `ROSE GLOW` / ROSE GLOW JAPANESE BARBERRY	5 GAL	L-M
	14	BUDDLEJA DAVIDII / BUTTERFLY BUSH	5 GAL	L-M
	11	CERCOCARPUS MONTANUS / ALDERLEAF MOUNTAIN MAHOGANY	5 GAL	VL-L
	43	RHUS AROMATICA `GRO-LOW` / GRO-LOW FRAGRANT SUMAC	5 GAL	L-M
	27	RIBES AUREUM / GOLDEN CURRANT	5 GAL	L-M
	6	ROSA WOODSII / MOUNTAIN ROSE	5 GAL	VL-L
EVERGREEN SHRUBS				
	13	ARTEMISIA TRIDENTATA / BIG SAGEBRUSH	5 GAL	VL-L
	54	BUXUS MICROPHYLLA / LITTLELEAF BOXWOOD	5 GAL	L-M
	16	ERICAMERIA LARICIFOLIA `AGUIRRE` / AGUIRRE TURPENTINE BUSH	5 GAL	VL-L
	10	JUNIPERUS SABINA 'BUFFALO' / BUFFALO JUNIPER	5 GAL	VL-L
	33	MAHONIA AQUIFOLIUM `COMPACTA` / COMPACT OREGON GRAPE	5 GAL	L-M
	18	PINUS MUGO / MUGO PINE	5 GAL	L-M
	4	VAUQUELINIA CALIFORNICA / ARIZONA ROSEWOOD	5 GAL	L-M

LANDSCAPE DATA

				REQUIRED	PROVIDED
AREAS (SF)					
	OPEN SPACE			29,621	48,455
	PONDING AREA			-	5,774
OPEN SPACE PLANTING				REQUIRED	PROVIDED
	TREE	OPEN SPACE	ONE TREE PER 500 SF OF REQUIRED OPEN SPACE	59	59
			MINIMUM 25% EVERGREEN	15	15
		PONDING AREA	ONE TREE PER 500 SF OF PONDING AREA	12	12
			MINIMUM 25% EVERGREEN REQUIRED/PROVIDED	3	7
	SHRUB	OPEN SPACE	TWO SHRUBS PER 500 SF OF REQUIRED OPEN SPACE	118	253
			MINIMUM 25% EVERGREEN	30	156
		PONDING AREA	THREE SHRUBS PER 500 SF OF PONDING AREA	35	35
			MINIMUM 25% EVERGREEN REQUIRED/PROVIDED	9	31
STREET TREE				REQUIRED	PROVIDED
	ONE TREE PER 30 LF ON AVERAGE			-	-
		799	LF	27	27
PARKING LOT				REQUIRED	PROVIDED
	ONE TREE PER 25 LF ON AVERAGE IF ABUTS OR OCCUPIES A STREET YARD			-	-
	MINIMUM 10 SF OF LANDSCAPE AREA PER PARKING SPACE			-	-
		152	PARKING SPACE	1520	12,094
	ONE TREE PER 90 SF OF LANDSCAPE AREA (1920 SF/90)			17	17
COOL SEASON TURF				REQUIRED	PROVIDED
	MAXIMUM 1,000 SQ. FT. OR 3% OF REQUIRED OPEN SPACE (WHICHEVER IS GREATER)			-	945
FENCE/WALL SCREENING				REQUIRED	PROVIDED
	WALLS AND FENCES SHALL BE LANDSCAPED WITH PLANT MATERIAL THAT IS PREDOMINANTLY THORNY OR OTHER BARRIER PLANTINGS THAT WILL COVER A MINIMUM OF 75% OF THE FACE OF THE FENCE OR WALL AT MATURITY			5057	5164
TOTALS				REQUIRED	PROVIDED
	TREES		2" CAL OR 6' HT.	59	71
	SHRUBS		5 GAL	153	279

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STATE OF NEW MEXICO — CODY McALLEN — 650 — REGISTERED LANDSCAPE ARCHITECT — 12/01/25

Date: 10/14/2025
Revisions:
1 12/01/2025

Drawn by: PL
Reviewed by: CM

AC by Marriott Hotel

1000, 1101 & 1103 Cerrillos Road
Santa Fe, New Mexico

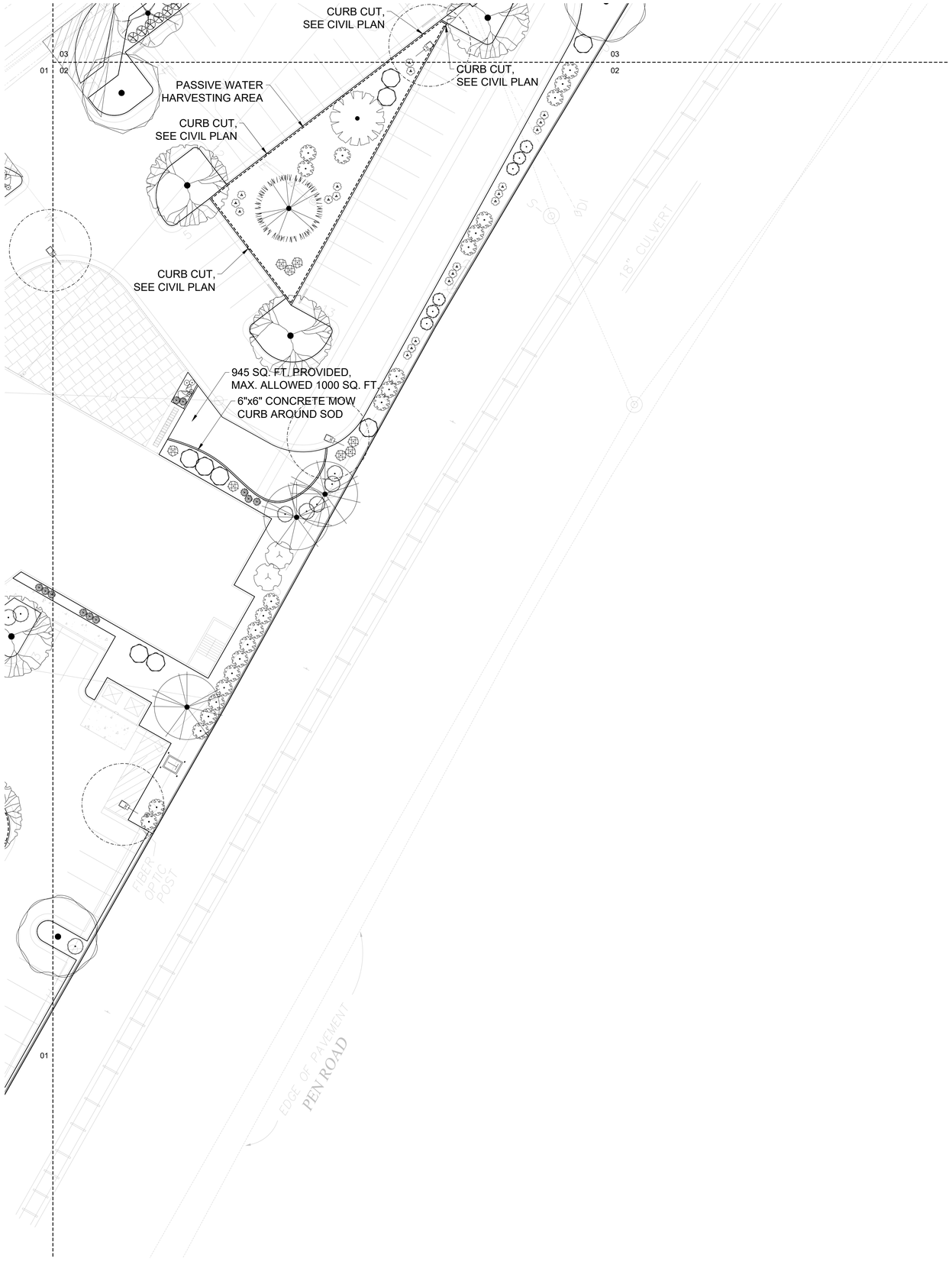
NORTH

Scale: 1" = 20'

10 0 20 40

Sheet Title:
Planting Plan Enlargement

Sheet Number:
LP-01



PLANT SCHEDULE

SYMBOL	QTY	BOTANICAL / COMMON NAME	SIZE	WATER
DECIDUOUS TREE				
	12	ACER NEGUNDO `SENSATION` / SENSATION BOX ELDER MAPLE	2" B&B	L-M
	2	CRATAEGUS AMBIGUA / RUSSIAN HAWTHORN	2" B&B	L-M
	3	KOELREUTERIA PANICULATA / GOLDEN RAIN TREE	2" B&B	L-M
	4	PRUNUS VIRGINIANA `CANADA RED` / CANADA RED CHOKECHERRY	2" B&B	L-M
	13	ULMUS PARVIFOLIA `ALLEE` / ALLEE® LACEBARK ELM	2" B&B	L-M
	16	ULMUS PROPINQUA `EMERALD SUNSHINE` / EMERALD SUNSHINE ELM	2" B&B	L-M
EVERGREEN TREE				
	6	JUNIPERUS CHINENSIS 'SPARTAN' / SPARTAN JUNIPER	6`	L-M
	8	PINUS NIGRA / AUSTRIAN BLACK PINE	6`	L-M
	7	QUERCUS FUSIFORMIS / ESCARPMENT LIVE OAK	2" B&B	L-M
DESERT ACCENT				
	3	DASYLIRION TEXANUM / TEXAS SOTOL	5 GAL	VL-L
	32	HESPERALOE PARVIFLORA / RED YUCCA	5 GAL	L-M
PERENNIAL				
	4	ACHILLEA X `MOONSHINE` / MOONSHINE YARROW	1 GAL	L-M
	7	GAILLARDIA X GRANDIFLORA / BLANKETFLOWER	1 GAL	L-M
	5	NEPETA X FAASSENII `SELECT BLUE` / CATMINT	1 GAL	L-M
ORNAMENTAL GRASS				
	39	BOUTELOUA GRACILIS `BLONDE AMBITION` / BLONDE AMBITION BLUE GRAMA	1 GAL	L-M
VINE				
	13	LONICERA SEMPERVIRENS `MAJOR WHEELER` / MAJOR WHEELER TRUMPET HONEYSUCKLE	5 GAL	MEDIUM
DECIDUOUS SHRUBS				
	13	BERBERIS THUNBERGII `ROSE GLOW` / ROSE GLOW JAPANESE BARBERRY	5 GAL	L-M
	14	BUDDLEJA DAVIDII / BUTTERFLY BUSH	5 GAL	L-M
	11	CERCOCARPUS MONTANUS / ALDERLEAF MOUNTAIN MAHOGANY	5 GAL	VL-L
	43 ⚠1	RHUS AROMATICA `GRO-LOW` / GRO-LOW FRAGRANT SUMAC	5 GAL	L-M
	27	RIBES AUREUM / GOLDEN CURRANT	5 GAL	L-M
	6	ROSA WOODSII / MOUNTAIN ROSE	5 GAL	VL-L
EVERGREEN SHRUBS				
	13	ARTEMISIA TRIDENTATA / BIG SAGEBRUSH	5 GAL	VL-L
	54	BUXUS MICROPHYLLA / LITTLELEAF BOXWOOD	5 GAL	L-M
	16	ERICAMERIA LARICIFOLIA `AGUIRRE` / AGUIRRE TURPENTINE BUSH	5 GAL	VL-L
	10	JUNIPERUS SABINA 'BUFFALO' / BUFFALO JUNIPER	5 GAL	VL-L
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	SHRUB	OPEN SPACE	TWO SHRUBS PER 500 SF OF REQUIRED OPEN SPACE	118	253 ⚠1
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STREET TREE				REQUIRED	PROVIDED
	ONE TREE PER 30 LF ON AVERAGE			-	-
		799	LF	27	27
PARKING LOT				REQUIRED	PROVIDED
	ONE TREE PER 25 LF ON AVERAGE IF ABUTS OR OCCUPIES A STREET YARD			-	-
	MINIMUM 10 SF OF LANDSCAPE AREA PER PARKING SPACE			-	-
		152	PARKING SPACE	1520	12,094
	ONE TREE PER 90 SF OF LANDSCAPE AREA (1920 SF/90)			17	17
COOL SEASON TURF				REQUIRED	PROVIDED
	MAXIMUM 1,000 SQ. FT. OR 3% OF REQUIRED OPEN SPACE (WHICHEVER IS GREATER)			-	945
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TOTALS				REQUIRED	PROVIDED
	TREES		2" CAL OR 6' HT.	59	71
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CODY McNALLEN
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REGISTERED LANDSCAPE ARCHITECT
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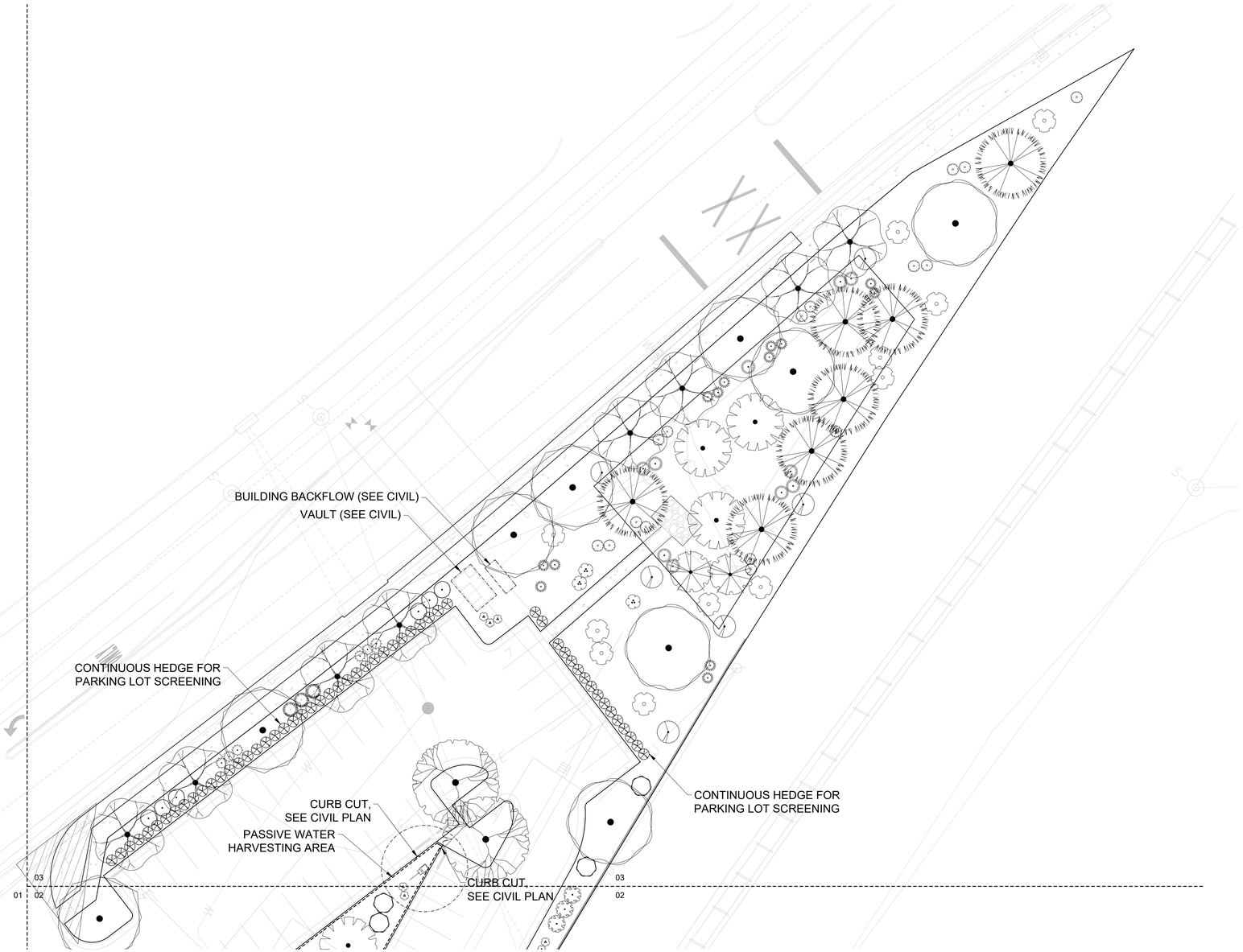
Sheet Title:
Planting Plan Enlargement

Sheet Number:
LP-02



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NORTH

Scale: 1" = 20'

10 0 20 40

Sheet Title:
Planting Plan Enlargement

Sheet Number:
LP-03

WATER BUDGET CALCULATIONS

ALL SITE LANDSCAPING

YEAR 1 AND YEAR 2
DRIP IRRIGATION TO TREES AND SHRUBS
4 MONTHS AT 1 RUN TIME PER MONTH
4 MONTHS AT 1 RUN TIME PER WEEK
4 MONTHS AT 4 RUN TIMES PER WEEK
APPROX. 90 RUN CYCLES PER YEAR

71	TREES	=	426	GALLONS PER RUN CYCLE				
365	SHRUBS	=	730	GALLONS PER RUN CYCLE				
1156	GALLONS PER RUN CYCLE X 90 RUN TIMES	=	104040	GPY	/	0.32	ACRE FT.
SPRAY IRRIGATION TO LAWN								
945	SF X 3' PER YEAR	=	21207.27	GPY	/	0.07	ACRE FT.
TOTAL WATER USE PER YEAR		=	125247.27	GPY	/	0.38	ACRE FT.

YEAR 3 AND BEYOND
DRIP IRRIGATION TO TREES AND SHRUBS
4 MONTHS AT 1 RUN TIME PER MONTH
4 MONTHS AT 1 RUN TIME PER WEEK
4 MONTHS AT 3 RUN TIMES PER WEEK
APPROX. .77 RUN CYCLES PER YEAR

71	TREES	=	426	GALLONS PER RUN CYCLE				
365	SHRUBS	=	730	GALLONS PER RUN CYCLE				
1156	GALLONS PER RUN CYCLE X .77 RUN TIMES	=	89012	GPY	/	0.27	ACRE FT.
SPRAY IRRIGATION TO LAWN								
945	SF X 3' PER YEAR	=	21207.27	GPY	/	0.07	ACRE FT.
TOTAL WATER USE PER YEAR		=	110219.27	GPY	/	0.34	ACRE FT.

NOTE: THIS WATER BUDGET IS APPROXIMATE AND IS TO BE USED AS A GUIDELINE AND ADJUSTED ACCORDING TO SITE CONDITIONS

IRRIGATION NOTES

1. A LANDSCAPE IRRIGATION PLAN BY A QUALIFIED IRRIGATION DESIGNER PER COSF CODE CHAPTER 14-8.4(E) WATER HARVESTING AND IRRIGATION STANDARDS AND COSF LANDSCAPE IRRIGATION DESIGN STANDARDS TO BE PROVIDED.
2. PER 14-8.4(E)(4)(h) IRRIGATION SYSTEMS SHALL BE ZONED BY LEVELS OF WATER USE. FOR THE MOST EFFICIENT WATER USE, PLANT WITH SIMILAR WATER USE REQUIREMENTS SHALL BE GROUPED TOGETHER. TREES AND SHRUBS SHALL HAVE SEPARATE ZONES. DROUGHT TOLERANT AND VERY LOW WATER-USE TREE SHALL HAVE A SEPARATE ZONE. NATIVE SHRUBS AND VERY LOW WATER-USE SHRUBS SHALL BE IRRIGATED ON A SEPARATE ZONE. SEPARATE ZONES ARE REQUIRED FOR PERMANENT AND TEMPORARY IRRIGATION LINES
3. IRRIGATION SYSTEM HAS BEEN DESIGNED TO A MINIMUM DYNAMIC PRESSURE OF 75 PSI AT 50 GPM. IF THE PSI/GPM ARE LOWER THAN 75/50 THE LANDSCAPE ARCHITECT MUST BE NOTIFIED IMMEDIATELY.
4. ALL NEW PLANTINGS TO BE WATERED BY AUTO DRIP IRRIGATION SYSTEM.
5. WATER MANAGEMENT AND THE MAINTENANCE OF THE IRRIGATION SYSTEM IS THE SOLE RESPONSIBILITY OF THE PROPERTY OWNER.
6. THE IRRIGATION SYSTEM SHALL BE CONNECTED TO CITY WATER. THE POINT OF CONNECTION SHALL CONSIST OF A WATER METER, BACKFLOW PREVENTOR, AND MASTER VALVE.
7. USE SIX 2 GPH EMITTERS PER EACH TREE AND TWO 2 GPH EMITTERS PER EACH SHRUB/GROUNDCOVER. USE SIX 2 GPH DRIP EMITTERS PER TREE. IRRIGATION ZONES SHALL BE DESIGNED FOR TREES AND SHRUBS/GROUNDCOVERS.
8. PRESSURE COMPENSATING EMITTERS ARE REQUIRED FOR SYSTEMS WITH LATERAL DISTANCE OF MORE THAN 150 FEET AND ROLLING TERRAIN PER COSF IRRIGATION DESIGN STANDARDS.
9. IRRIGATION ZONES SHALL BE DESIGNED FOR TREES AND SHRUBS/GROUNDCOVERS.
10. INSTALL SLEEVES TWO SIZES LARGER THAN THE SLEEVED PIPE UNDER ALL HARD SURFACES.
11. THE BACKFLOW SIZE AND LOCATION IS ASSUMED ONLY, BASED ON THE LATEST AVAILABLE UTILITY PLAN. GENERAL CONTRACTOR TO PROVIDE THE IRRIGATION WATER STUB OUT AND ELECTRICITY FOR THE HOTBOX.
12. IRRIGATION EQUIPMENT IS SHOWN ON A LARGER SCALE FOR CLARITY. THE PIPE ROUTING ON THE PLAN IS SCHEMATIC AND MAY REQUIRE FIELD ADJUSTMENTS TO AVOID INSTALLING PIPE WITHIN THE ROOT ZONE OF PLANTS OR IN CONFLICT WITH UTILITY EASEMENTS.
13. ALL SLEEVES ARE ASSUMED TO BE PLACED PRIOR HARDSCAPE WITHOUT THE NEED OF BORING.
14. BACKFILL FOR TRENCHES SHALL BE CLEANED OF ALL ROCK AND DEBRIS.
15. THE RP MUST BE INSTALLED A MINIMUM DISTANCE OF FIVE (5) FEET FROM THE METER SERVICE. BACKFLOW PREVENTERS SHALL BE PLACED OUTSIDE OF STREET RIGHT OF WAY. BACKFLOW PREVENTERS SHALL NOT BE LOCATED WITHIN THE PLANTER STRIP WITHOUT WATER DIVISION WRITTEN APPROVAL.
16. MAINLINE & IRRIGATION EQUIPMENT IS SHOWN SCHEMATICALLY AS PLACED IN THE ROAD OR OUTSIDE OF THE LANDSCAPED AREAS FOR CLARITY ONLY. ALL MAINLINE, & IRRIGATION EQUIPMENT IS TO BE PLACED IN THE LANDSCAPE BEDS.
17. BACKFLOW PREVENTER YEARLY TESTING REQUIRED PER IAPMO 603.4.2.
18. 14-8.4(E)(4)(g) PLANTING BEDS SHALL BE SWALED, SLOPED OR RECESSED BELOW GRADE PREVENT FUGITIVE WATER.

Irrigation Schedule

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
18 ADJ 18 F	RAIN BIRD R-VAN18 - TURF ROTARY 1804-SAM-P45, 13FT.-18FT. 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 TURF SPRAY BODY ON 4IN. POP-UP, WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.	7
24 ADJ 24 F	RAIN BIRD R-VAN24 - TURF ROTARY 1804-SAM-P45, 17FT.-24FT. 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 TURF SPRAY BODY ON 4IN. POP-UP, WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.	2

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
⊠	DRIP CONTROL VALVE - SHRUB - L-M RAIN BIRD XCZ-100-PRF, MEDIUM FLOW DRIP CONTROL KIT, 1IN. DV VALVE, 1IN. PRESSURE REGULATING FILTER, 40PSI PRESSURE REGULATOR. 5 GPM-20 GPM.	3
⊞	DRIP CONTROL VALVE - SHRUB - VL-L RAIN BIRD XCZ-100-LC, WIDE FLOW DRIP CONTROL KIT, FOR LIGHT COMMERCIAL USES. 1IN. PEB VALVE, WITH 1IN. PRESSURE REGULATING 40PSI BASKET FILTER. 0.3-20 GPM.	1
⬛	DRIP CONTROL VALVE - TREE - L-M RAIN BIRD XCZ-100-PRF, MEDIUM FLOW DRIP CONTROL KIT, 1IN. DV VALVE, 1IN. PRESSURE REGULATING FILTER, 40PSI PRESSURE REGULATOR. 3 GPM-15 GPM.	3
⊗	TRANSITION FITTING PIPE TRANSITION POINT FROM PVC LATERAL TO DRIP TUBING WITH RISER IN 6IN. DRIP BOX.	3
F	FLUSH CAP NDS CEP900	43
⊛	DRIP EMITTER - SHRUB - L-M (2) RB XB20-PC DRIP EMITTERS	306
⊛	DRIP EMITTER - SHRUB - VL-L (2) RB XB20-PC DRIP EMITTERS	59
⊛	DRIP EMITTER - TREE (6) RB XB20-PC DRIP EMITTERS	71

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
◔	CONTROL VALVE RAIN BIRD PEB. 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL VALVES. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	1
⋈	MAIN SHUT OFF VALVE SPEARS SCH80 PVC COMPACT BALL VALVE	1
MV	MASTER VALVE 1" RAIN BIRD PEB. 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL MASTER VALVES. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	1
BF	REDUCED PRESSURE BACKFLOW PREVENTER 1" FEBCO 825Y	1
C	CONTROLLER - RAIN BIRD ESP-2WIRE 50 STATION 2-WIRE, INDOOR/ OUTDOOR CONTROLLER W/ DECODER AUTO-ADDRESS. FOR RESIDENTIAL OR LIGHT COMMERCIAL USE. LNK WIFI MODULE AND FLOW SENSOR READY. USE WITH 2W-1 SINGLE STATION DECODERS AND STANDARD DIRECT BURIAL WIRE. LOCATION TO BE DETERMINED.	1
FS	FLOW SENSOR CREATIVE SENSOR TECHNOLOGY FSI-T10-001 1IN. PVC TEE TYPE FLOW SENSOR W/SOCKET ENDS, CUSTOM MOUNTING TEE AND ULTRA-LIGHTWEIGHT IMPELLER ENHANCES LOW FLOW MEASUREMENT. 2 WIRE DIGITAL OUTPUT COMPATIBLE W/ALL IRRIGATION CONTROLLERS. FLOW RANGE: .86 GPM - 52 GPM.	1
M	WATER METER 1"	1

IRRIGATION LATERAL LINE: PVC SCHEDULE 40

IRRIGATION LATERAL LINE: A940 DRIP POLYLINE - SHRUB - L-M

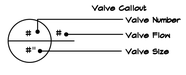
IRRIGATION LATERAL LINE: A940RDS DRIP POLYLINE - TREE

IRRIGATION LATERAL LINE: A940YS DRIP POLYLINE - SHRUB - VL-L

IRRIGATION MAINLINE: PVC SCHEDULE 40

PIPE SLEEVE: PVC CLASS 200 SDR 21

PIPE SLEEVE: PVC CLASS 200 SDR 21 - WIRE



VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM
1	DRIP CONTROL VALVE - SHRUB - VL-L	1"	DRIP EMITTER	3.94
2	DRIP CONTROL VALVE - TREE - L-M	1"	DRIP EMITTER	5.6
3	DRIP CONTROL VALVE - SHRUB - L-M	1"	DRIP EMITTER	4.8
4	CONTROL VALVE	1"	TURF ROTARY	7.88
5	DRIP CONTROL VALVE - SHRUB - L-M	1"	DRIP EMITTER	6.47
6	DRIP CONTROL VALVE - TREE - L-M	1"	DRIP EMITTER	4
7	DRIP CONTROL VALVE - TREE - L-M	1"	DRIP EMITTER	4.6
8	DRIP CONTROL VALVE - SHRUB - L-M	1"	DRIP EMITTER	9.14

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STATE OF NEW MEXICO
CODY McNALLEN
650
REGISTERED LANDSCAPE ARCHITECT
12/01/25

Date: 10/14/2025
Revisions:
1 12/01/2025

Drawn by: PL
Reviewed by: CM

AC by Marriott Hotel

1000, 1101 & 1103 Cerrillos Road
Santa Fe, New Mexico

NORTH

Scale: 1" = 40'

20 0 40 80

Sheet Title:
Irrigation Plan Overall

Sheet Number:
LI-00

WATER BUDGET CALCULATIONS

ALL SITE LANDSCAPING

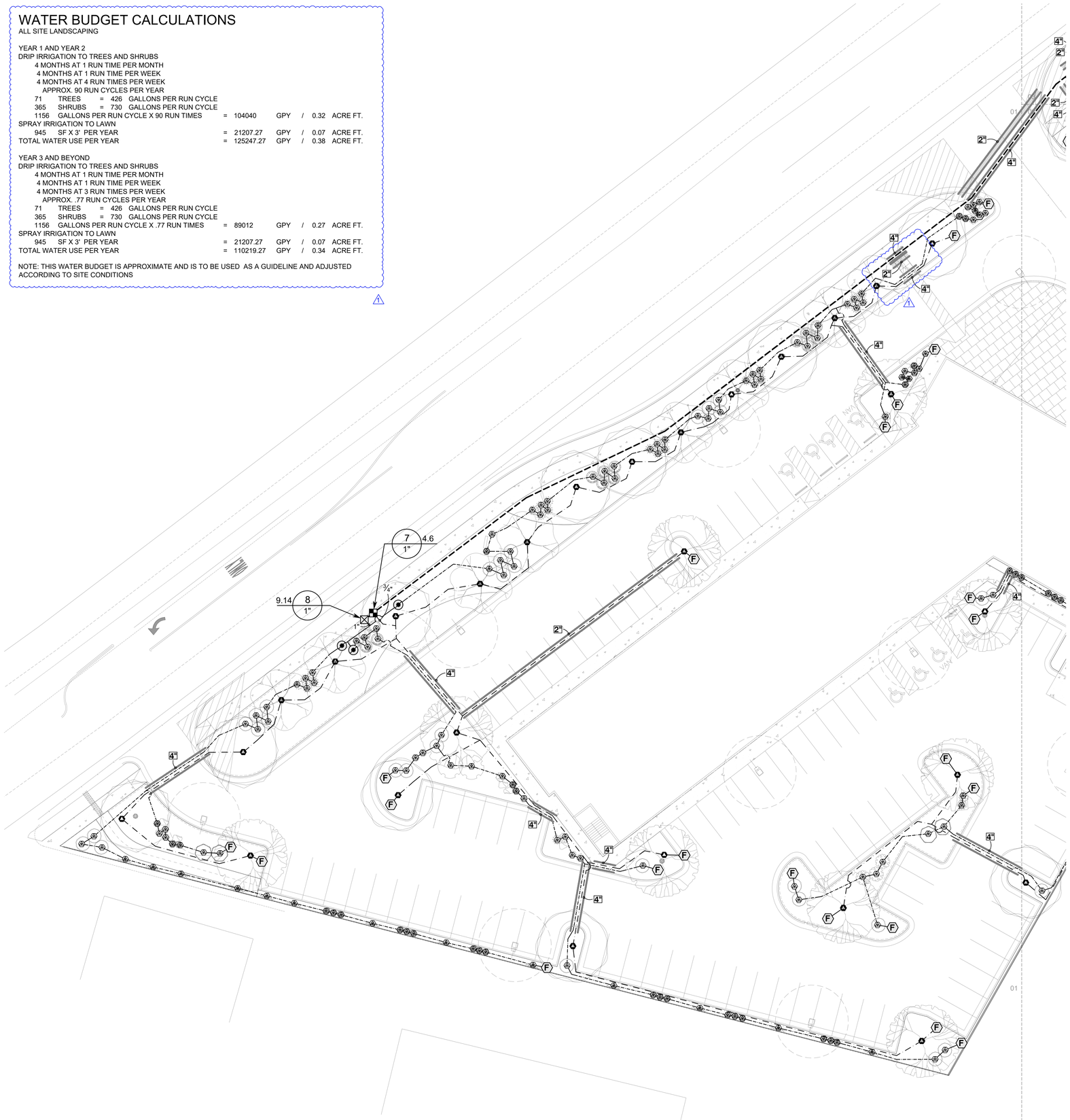
YEAR 1 AND YEAR 2
DRIP IRRIGATION TO TREES AND SHRUBS
4 MONTHS AT 1 RUN TIME PER MONTH
4 MONTHS AT 1 RUN TIME PER WEEK
4 MONTHS AT 4 RUN TIMES PER WEEK
APPROX. 90 RUN CYCLES PER YEAR

71	TREES	=	426	GALLONS PER RUN CYCLE				
365	SHRUBS	=	730	GALLONS PER RUN CYCLE				
1156	GALLONS PER RUN CYCLE X 90 RUN TIMES	=	104040	GPY	/	0.32	ACRE FT.	
SPRAY IRRIGATION TO LAWN								
945	SF X 3' PER YEAR	=	21207.27	GPY	/	0.07	ACRE FT.	
TOTAL WATER USE PER YEAR		=	125247.27	GPY	/	0.38	ACRE FT.	

YEAR 3 AND BEYOND
DRIP IRRIGATION TO TREES AND SHRUBS
4 MONTHS AT 1 RUN TIME PER MONTH
4 MONTHS AT 1 RUN TIME PER WEEK
4 MONTHS AT 3 RUN TIMES PER WEEK
APPROX. .77 RUN CYCLES PER YEAR

71	TREES	=	426	GALLONS PER RUN CYCLE				
365	SHRUBS	=	730	GALLONS PER RUN CYCLE				
1156	GALLONS PER RUN CYCLE X .77 RUN TIMES	=	89012	GPY	/	0.27	ACRE FT.	
SPRAY IRRIGATION TO LAWN								
945	SF X 3' PER YEAR	=	21207.27	GPY	/	0.07	ACRE FT.	
TOTAL WATER USE PER YEAR		=	110219.27	GPY	/	0.34	ACRE FT.	

NOTE: THIS WATER BUDGET IS APPROXIMATE AND IS TO BE USED AS A GUIDELINE AND ADJUSTED ACCORDING TO SITE CONDITIONS



Irrigation Schedule

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
18 ADJ 18 F	RAIN BIRD R-VAN18 - TURF ROTARY 1804-SAM-P45, 13FT.-18FT. 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 TURF SPRAY BODY ON 4IN. POP-UP, WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.	7
24 ADJ 24 F	RAIN BIRD R-VAN24 - TURF ROTARY 1804-SAM-P45, 17FT.-24FT. 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 TURF SPRAY BODY ON 4IN. POP-UP, WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.	2

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
⊠	DRIP CONTROL VALVE - SHRUB - L-M RAIN BIRD XCZ-100-PRF, MEDIUM FLOW DRIP CONTROL KIT, 1IN. DV VALVE, 1IN. PRESSURE REGULATING FILTER, 40PSI PRESSURE REGULATOR. 5 GPM-20 GPM.	3
⊞	DRIP CONTROL VALVE - SHRUB - VL-L RAIN BIRD XCZ-100-LC, WIDE FLOW DRIP CONTROL KIT, FOR LIGHT COMMERCIAL USES. 1IN. PEB VALVE, WITH 1IN. PRESSURE REGULATING 40PSI BASKET FILTER. 0.3-20 GPM.	1
⬛	DRIP CONTROL VALVE - TREE - L-M RAIN BIRD XCZ-100-PRF, MEDIUM FLOW DRIP CONTROL KIT, 1IN. DV VALVE, 1IN. PRESSURE REGULATING FILTER, 40PSI PRESSURE REGULATOR. 3 GPM-15 GPM.	3
⊗	TRANSITION FITTING PIPE TRANSITION POINT FROM PVC LATERAL TO DRIP TUBING WITH RISER IN 6IN. DRIP BOX.	3
F	FLUSH CAP NDS CEP900	43
⊛	DRIP EMITTER - SHRUB - L-M (2) RB XB20-PC DRIP EMITTERS	306 ⚠1
⊛	DRIP EMITTER - SHRUB - VL-L (2) RB XB20-PC DRIP EMITTERS	59
⊛	DRIP EMITTER - TREE (6) RB XB20-PC DRIP EMITTERS	71

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
◔	CONTROL VALVE RAIN BIRD PEB. 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL VALVES. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	1
⋈	MAIN SHUT OFF VALVE SPEARS SCH80 PVC COMPACT BALL VALVE	1
MV	MASTER VALVE 1" RAIN BIRD PEB. 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL MASTER VALVES. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	1
BF	REDUCED PRESSURE BACKFLOW PREVENTER 1" FEBCO 825Y	1
C	CONTROLLER - RAIN BIRD ESP-2WIRE 50 STATION 2-WIRE, INDOOR/ OUTDOOR CONTROLLER W/ DECODER AUTO-ADDRESS. FOR RESIDENTIAL OR LIGHT COMMERCIAL USE. LNK WIFI MODULE AND FLOW SENSOR READY. USE WITH 2W-1 SINGLE STATION DECODERS AND STANDARD DIRECT BURIAL WIRE. LOCATION TO BE DETERMINED.	1
FS	FLOW SENSOR CREATIVE SENSOR TECHNOLOGY FSI-T10-001 1IN. PVC TEE TYPE FLOW SENSOR W/SOCKET ENDS, CUSTOM MOUNTING TEE AND ULTRA-LIGHTWEIGHT IMPELLER ENHANCES LOW FLOW MEASUREMENT. 2 WIRE DIGITAL OUTPUT COMPATIBLE W/ALL IRRIGATION CONTROLLERS. FLOW RANGE: .86 GPM - 52 GPM.	1
M	WATER METER 1"	1

IRRIGATION LATERAL LINE: PVC SCHEDULE 40

IRRIGATION LATERAL LINE: A940 DRIP POLYLINE - SHRUB - L-M

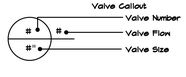
IRRIGATION LATERAL LINE: A940RDS DRIP POLYLINE - TREE

IRRIGATION LATERAL LINE: A940YS DRIP POLYLINE - SHRUB - VL-L

IRRIGATION MAINLINE: PVC SCHEDULE 40

PIPE SLEEVE: PVC CLASS 200 SDR 21

PIPE SLEEVE: PVC CLASS 200 SDR 21 - WIRE



VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM
1	DRIP CONTROL VALVE - SHRUB - VL-L	1"	DRIP EMITTER	3.94
2	DRIP CONTROL VALVE - TREE - L-M	1"	DRIP EMITTER	5.6
3	DRIP CONTROL VALVE - SHRUB - L-M	1"	DRIP EMITTER	4.8
4	CONTROL VALVE	1"	TURF ROTARY	7.88
5	DRIP CONTROL VALVE - SHRUB - L-M	1"	DRIP EMITTER	6.47
6	DRIP CONTROL VALVE - TREE - L-M	1"	DRIP EMITTER	4
7	DRIP CONTROL VALVE - TREE - L-M	1"	DRIP EMITTER	4.6
8	DRIP CONTROL VALVE - SHRUB - L-M	1"	DRIP EMITTER	9.14 ⚠1

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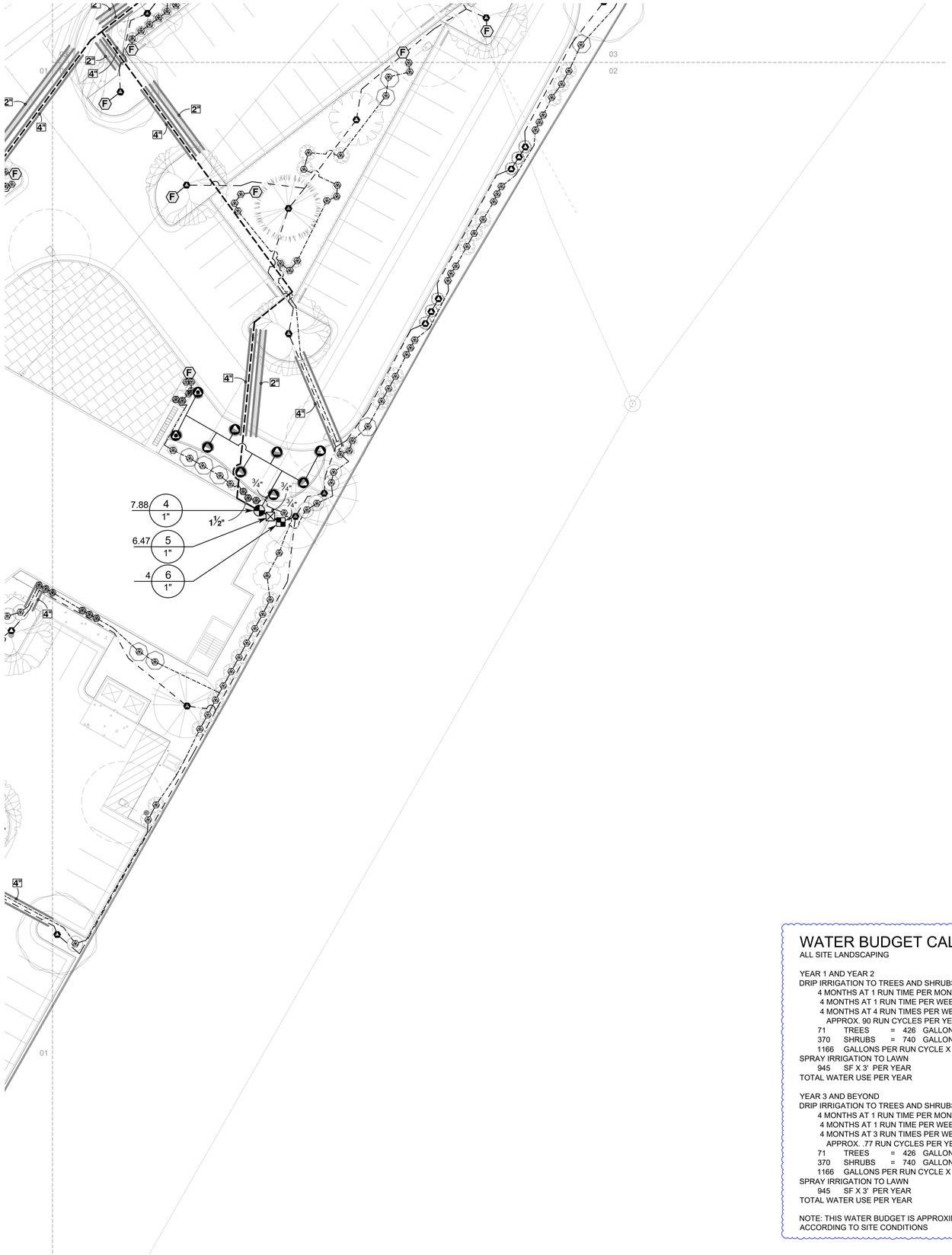
10 0 20 40

Sheet Title:
Irrigation Plan Enlargement

Sheet Number:
LI-01

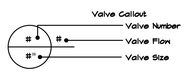


Irrigation Schedule

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
18 ADJ 18 F	RAIN BIRD R-VAN18 - TURF ROTARY 1804-SAM-P45, 13FT.-18FT. 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 TURF SPRAY BODY ON 4IN. POP-UP, WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.	7
24 ADJ 24 F	RAIN BIRD R-VAN24 - TURF ROTARY 1804-SAM-P45, 17FT.-24FT. 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 TURF SPRAY BODY ON 4IN. POP-UP, WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.	2

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	DRIP CONTROL VALVE - SHRUB - L-M RAIN BIRD XCZ-100-PRF, MEDIUM FLOW DRIP CONTROL KIT, 1IN. DV VALVE, 1IN. PRESSURE REGULATING FILTER, 40PSI PRESSURE REGULATOR. 5 GPM-20 GPM.	3
	DRIP CONTROL VALVE - SHRUB - VL-L RAIN BIRD XCZ-100-LC, WIDE FLOW DRIP CONTROL KIT, FOR LIGHT COMMERCIAL USES. 1IN. PEB VALVE, WITH 1IN. PRESSURE REGULATING 40PSI BASKET FILTER. 0.3-20 GPM.	1
	DRIP CONTROL VALVE - TREE - L-M RAIN BIRD XCZ-100-PRF. MEDIUM FLOW DRIP CONTROL KIT, 1IN. DV VALVE, 1IN. PRESSURE REGULATING FILTER, 40PSI PRESSURE REGULATOR. 3 GPM-15 GPM.	3
	TRANSITION FITTING PIPE TRANSITION POINT FROM PVC LATERAL TO DRIP TUBING WITH RISER IN 6IN. DRIP BOX.	3
F	FLUSH CAP NDS CEP900	43
	DRIP EMITTER - SHRUB - L-M (2) RB XB20-PC DRIP EMITTERS	306 △1
	DRIP EMITTER - SHRUB - VL-L (2) RB XB20-PC DRIP EMITTERS	59
	DRIP EMITTER - TREE (6) RB XB20-PC DRIP EMITTERS	71

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	CONTROL VALVE RAIN BIRD PEB. 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL VALVES. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	1
	MAIN SHUT OFF VALVE SPEARS SCH80 PVC COMPACT BALL VALVE	1
MV	MASTER VALVE 1" RAIN BIRD PEB. 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL MASTER VALVES. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	1
BF	REDUCED PRESSURE BACKFLOW PREVENTER 1" FEBCO 825Y	1
C	CONTROLLER - RAIN BIRD ESP-2WIRE 50 STATION 2-WIRE, INDOOR/ OUTDOOR CONTROLLER W/ DECODER AUTO-ADDRESS. FOR RESIDENTIAL OR LIGHT COMMERCIAL USE. LNK WIFI MODULE AND FLOW SENSOR READY. USE WITH 2W-1 SINGLE STATION DECODERS AND STANDARD DIRECT BURIAL WIRE. LOCATION TO BE DETERMINED.	1
FS	FLOW SENSOR CREATIVE SENSOR TECHNOLOGY FSI-T10-001 1IN. PVC TEE TYPE FLOW SENSOR W/SOCKET ENDS, CUSTOM MOUNTING TEE AND ULTRA-LIGHTWEIGHT IMPELLER ENHANCES LOW FLOW MEASUREMENT. 2 WIRE DIGITAL OUTPUT COMPATIBLE W/ALL IRRIGATION CONTROLLERS. FLOW RANGE: .86 GPM - 52 GPM.	1
M	WATER METER 1"	1
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40	
	IRRIGATION LATERAL LINE: A940 DRIP POLYLINE - SHRUB - L-M	
	IRRIGATION LATERAL LINE: A940RDS DRIP POLYLINE - TREE	
	IRRIGATION LATERAL LINE: A940YS DRIP POLYLINE - SHRUB - VL-L	
	IRRIGATION MAINLINE: PVC SCHEDULE 40	
	PIPE SLEEVE: PVC CLASS 200 SDR 21	
	PIPE SLEEVE: PVC CLASS 200 SDR 21 - WIRE	



WATER BUDGET CALCULATIONS

ALL SITE LANDSCAPING

YEAR 1 AND YEAR 2
DRIP IRRIGATION TO TREES AND SHRUBS
4 MONTHS AT 1 RUN TIME PER MONTH
4 MONTHS AT 1 RUN TIME PER WEEK
4 MONTHS AT 4 RUN TIMES PER WEEK
APPROX. 90 RUN CYCLES PER YEAR

71	TREES	=	426	GALLONS PER RUN CYCLE			
370	SHRUBS	=	740	GALLONS PER RUN CYCLE			
1166	GALLONS PER RUN CYCLE X 90 RUN TIMES	=	104940	GPY	/ 0.32	ACRE FT.	

SPRAY IRRIGATION TO LAWN

945	SF X 3' PER YEAR	=	21207.27	GPY	/ 0.07	ACRE FT.	
TOTAL WATER USE PER YEAR		=	126147.27	GPY	/ 0.39	ACRE FT.	

YEAR 3 AND BEYOND
DRIP IRRIGATION TO TREES AND SHRUBS
4 MONTHS AT 1 RUN TIME PER MONTH
4 MONTHS AT 1 RUN TIME PER WEEK
4 MONTHS AT 3 RUN TIMES PER WEEK
APPROX. .77 RUN CYCLES PER YEAR

71	TREES	=	426	GALLONS PER RUN CYCLE			
370	SHRUBS	=	740	GALLONS PER RUN CYCLE			
1166	GALLONS PER RUN CYCLE X .77 RUN TIMES	=	89782	GPY	/ 0.28	ACRE FT.	

SPRAY IRRIGATION TO LAWN

945	SF X 3' PER YEAR	=	21207.27	GPY	/ 0.07	ACRE FT.	
TOTAL WATER USE PER YEAR		=	110989.27	GPY	/ 0.34	ACRE FT.	

NOTE: THIS WATER BUDGET IS APPROXIMATE AND IS TO BE USED AS A GUIDELINE AND ADJUSTED ACCORDING TO SITE CONDITIONS

△1

VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM
1	DRIP CONTROL VALVE - SHRUB - VL-L	1"	DRIP EMITTER	3.94
2	DRIP CONTROL VALVE - TREE - L-M	1"	DRIP EMITTER	5.6
3	DRIP CONTROL VALVE - SHRUB - L-M	1"	DRIP EMITTER	4.8
4	CONTROL VALVE	1"	TURF ROTARY	7.88
5	DRIP CONTROL VALVE - SHRUB - L-M	1"	DRIP EMITTER	6.47
6	DRIP CONTROL VALVE - TREE - L-M	1"	DRIP EMITTER	4
7	DRIP CONTROL VALVE - TREE - L-M	1"	DRIP EMITTER	4.6
8	DRIP CONTROL VALVE - SHRUB - L-M	1"	DRIP EMITTER	9.14 △1

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Santa Fe, New Mexico

NORTH

Scale: 1" = 20'

10 0 20 40

Sheet Title:
Irrigation Plan Enlargement

Sheet Number:
LI-02

WATER BUDGET CALCULATIONS

ALL SITE LANDSCAPING

YEAR 1 AND YEAR 2
DRIP IRRIGATION TO TREES AND SHRUBS
4 MONTHS AT 1 RUN TIME PER MONTH
4 MONTHS AT 1 RUN TIME PER WEEK
4 MONTHS AT 4 RUN TIMES PER WEEK
APPROX. 90 RUN CYCLES PER YEAR

71	TREES	=	426	GALLONS PER RUN CYCLE				
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TOTAL WATER USE PER YEAR		=	126147.27	GPY	/	0.39	ACRE FT.	

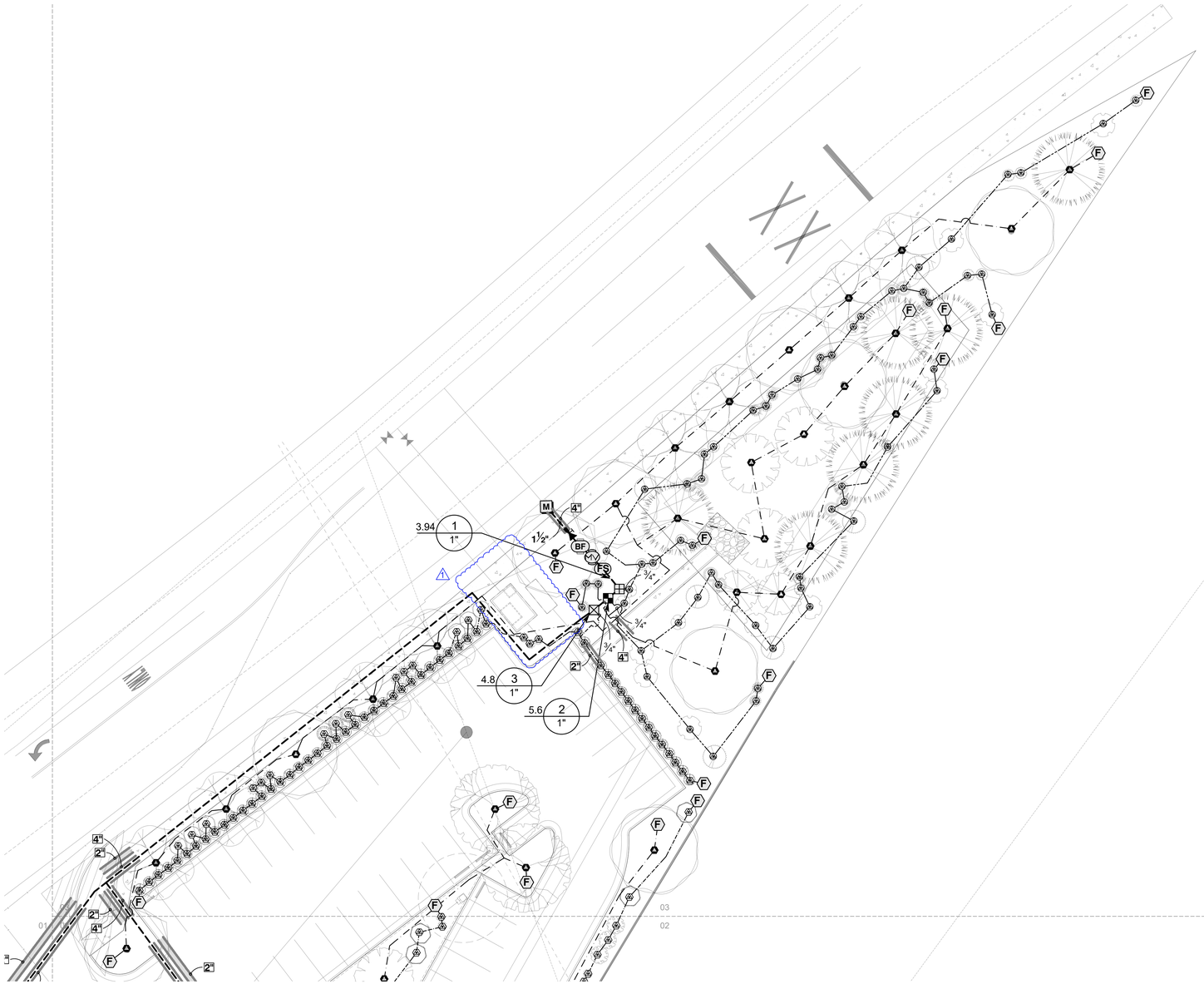
YEAR 3 AND BEYOND
DRIP IRRIGATION TO TREES AND SHRUBS
4 MONTHS AT 1 RUN TIME PER MONTH
4 MONTHS AT 1 RUN TIME PER WEEK
4 MONTHS AT 3 RUN TIMES PER WEEK
APPROX. .77 RUN CYCLES PER YEAR

71	TREES	=	426	GALLONS PER RUN CYCLE				
370	SHRUBS	=	740	GALLONS PER RUN CYCLE				
1166	GALLONS PER RUN CYCLE X .77 RUN TIMES	=	89782	GPY	/	0.28	ACRE FT.	

SPRAY IRRIGATION TO LAWN

945	SF X 3' PER YEAR	=	21207.27	GPY	/	0.07	ACRE FT.	
TOTAL WATER USE PER YEAR		=	110989.27	GPY	/	0.34	ACRE FT.	

NOTE: THIS WATER BUDGET IS APPROXIMATE AND IS TO BE USED AS A GUIDELINE AND ADJUSTED ACCORDING TO SITE CONDITIONS



Irrigation Schedule

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
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24 ADJ 24 F	RAIN BIRD R-VAN24 - TURF ROTARY 1804-SAM-P45, 17FT.-24FT. 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 TURF SPRAY BODY ON 4IN. POP-UP, WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.	2

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	DRIP CONTROL VALVE - SHRUB - L-M RAIN BIRD XCZ-100-PRF, MEDIUM FLOW DRIP CONTROL KIT, 1IN. DV VALVE, 1IN. PRESSURE REGULATING FILTER, 40PSI PRESSURE REGULATOR. 5 GPM-20 GPM.	3
	DRIP CONTROL VALVE - SHRUB - VL-L RAIN BIRD XCZ-100-LC, WIDE FLOW DRIP CONTROL KIT, FOR LIGHT COMMERCIAL USES. 1IN. PEB VALVE, WITH 1IN. PRESSURE REGULATING 40PSI BASKET FILTER. 0.3-20 GPM.	1
	DRIP CONTROL VALVE - TREE - L-M RAIN BIRD XCZ-100-PRF, MEDIUM FLOW DRIP CONTROL KIT, 1IN. DV VALVE, 1IN. PRESSURE REGULATING FILTER, 40PSI PRESSURE REGULATOR. 3 GPM-15 GPM.	3
	TRANSITION FITTING PIPE TRANSITION POINT FROM PVC LATERAL TO DRIP TUBING WITH RISER IN 6IN. DRIP BOX.	3
F	FLUSH CAP NDS CEP900	43
	DRIP EMITTER - SHRUB - L-M (2) RB XB20-PC DRIP EMITTERS	306
	DRIP EMITTER - SHRUB - VL-L (2) RB XB20-PC DRIP EMITTERS	59
	DRIP EMITTER - TREE (6) RB XB20-PC DRIP EMITTERS	71

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	CONTROL VALVE RAIN BIRD PEB. 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL VALVES. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	1
	MAIN SHUT OFF VALVE SPEARS SCH80 PVC COMPACT BALL VALVE	1
MV	MASTER VALVE 1" RAIN BIRD PEB. 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL MASTER VALVES. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	1
BF	REDUCED PRESSURE BACKFLOW PREVENTER 1" FEBCO 825Y	1
C	CONTROLLER - RAIN BIRD ESP-2WIRE 50 STATION 2-WIRE, INDOOR/ OUTDOOR CONTROLLER W/ DECODER AUTO-ADDRESS. FOR RESIDENTIAL OR LIGHT COMMERCIAL USE. LNK WIFI MODULE AND FLOW SENSOR READY. USE WITH 2W-1 SINGLE STATION DECODERS AND STANDARD DIRECT BURIAL WIRE. LOCATION TO BE DETERMINED.	1
FS	FLOW SENSOR CREATIVE SENSOR TECHNOLOGY FSI-T10-001 1IN. PVC TEE TYPE FLOW SENSOR W/SOCKET ENDS, CUSTOM MOUNTING TEE AND ULTRA-LIGHTWEIGHT IMPELLER ENHANCES LOW FLOW MEASUREMENT. 2 WIRE DIGITAL OUTPUT COMPATIBLE W/ALL IRRIGATION CONTROLLERS. FLOW RANGE: .86 GPM - 52 GPM.	1
M	WATER METER 1"	1
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40	
	IRRIGATION LATERAL LINE: A940 DRIP POLYLINE - SHRUB - L-M	
	IRRIGATION LATERAL LINE: A940RDS DRIP POLYLINE - TREE	
	IRRIGATION LATERAL LINE: A940YS DRIP POLYLINE - SHRUB - VL-L	
	IRRIGATION MAINLINE: PVC SCHEDULE 40	
	PIPE SLEEVE: PVC CLASS 200 SDR 21	
	PIPE SLEEVE: PVC CLASS 200 SDR 21 - WIRE	

Valve Callout
Valve Number
Valve Flow
Valve Size

VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM
1	DRIP CONTROL VALVE - SHRUB - VL-L	1"	DRIP EMITTER	3.94
2	DRIP CONTROL VALVE - TREE - L-M	1"	DRIP EMITTER	5.6
3	DRIP CONTROL VALVE - SHRUB - L-M	1"	DRIP EMITTER	4.8
4	CONTROL VALVE	1"	TURF ROTARY	7.88
5	DRIP CONTROL VALVE - SHRUB - L-M	1"	DRIP EMITTER	6.47
6	DRIP CONTROL VALVE - TREE - L-M	1"	DRIP EMITTER	4
7	DRIP CONTROL VALVE - TREE - L-M	1"	DRIP EMITTER	4.6
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Sheet Title:
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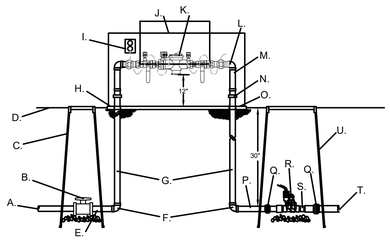
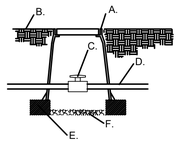


A. IRRIGATION SUPPLY LINE
B. SCH. 80 UTILITY BALL VALVE
C. APPLIED ENGINEERING PRODUCTS 910 ROUND VALVE BOX WITH EXTENSIONS AS NEEDED
D. FINISH GRADE
E. SCH. 80 NIPPLE
F. GAL. 90°
G. GAL. 30" NIPPLE
H. 4" THICK CONCRETE PAD (6" WIDER THAN ASSEMBLY ON ALL SIDES)
I. OUTLET FOR HEAT TAPE PROVIDED BY OTHERS
J. HOT BOX (HEATED ENCLOSURE)
K. REDUCED PRESSURE BACKFLOW PREVENTER
L. GAL. STREET 90°
M. GAL. NIPPLE (TYP.)
N. GAL. UNION (TYP.)
O. PVC SLEEVE THROUGH CONCRETE (TYP.)
P. SCH. 80 NIPPLE
Q. SCH. 80 TRUE UNION
R. MASTER VALVE
S. SLIP X THREAD MALE ADAPTER
T. SCH. 40 PVC MASTERLINE
U. APPLIED ENGINEERING PRODUCTS 1320 VALVE BOX WITH EXTENSIONS AS NEEDED

NOTE: INSTALL BACKFLOW PREVENTER AS REQUIRED BY LOCAL CODES AND HEALTH DEPARTMENT. VERIFY LOCAL REQUIREMENTS PRIOR TO INSTALLATION.

1 RP BACKFLOW/MASTER VALVE DETAIL

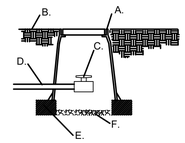
N.T.S.



A. APPLIED ENGINEERING PRODUCTS 910 ROUND VALVE BOX WITH EXTENSIONS AS NEEDED
B. FINISH GRADE
C. SCH. 80 UTILITY BALL VALVE
D. MAINLINE/24" BURY
E. 8" X 8" X 16" CMU CONCRETE BLOCK
F. 4" LAYER OF 3/4" GRAVEL

2 MAINLINE ISOLATION VALVE DETAIL

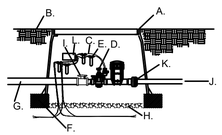
N.T.S.



A. APPLIED ENGINEERING PRODUCTS 910 ROUND VALVE BOX WITH EXTENSIONS AS NEEDED
B. FINISH GRADE
C. SCH. 80 UTILITY BALL VALVE
D. MAINLINE/24" BURY
E. 8" X 8" X 16" CMU CONCRETE BLOCK
F. 3/4" GRAVEL SUMP UNDER MANUAL DRAIN TO BE A MINIMUM OF 12" DEEP

3 MANUAL DRAIN VALVE DETAIL

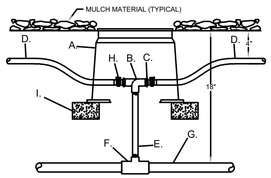
N.T.S.



A. APPLIED ENGINEERING PRODUCTS 1320 VALVE BOX WITH EXTENSIONS AS NEEDED
B. FINISH GRADE
C. SOLENOID WIRE
D. RAIN BIRD XCZ CONTROL ZONE KIT WITH BASKET FILTER, SEE SCHEDULE.
E. DRY SPLICE CONNECTOR OR EQUAL
F. 8" X 8" X 16" CMU CONCRETE BLOCK
G. MASTERLINE/24" BURY
H. 4" LAYER OF 3/4" GRAVEL
I. SCH. 80 TRUE UNION BALL VALVE
J. LATERAL LINE. SEE PLAN.
K. SCH. 80 UNION
L. FIELD DECODER, SEE SCHEDULE.

4 DRIP VALVE WITH FILTER & PRESSURE REGULATOR FOR 2-WIRE IRRIGATION

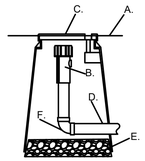
N.T.S.



A. 6" ROUND BOX WITH LID
B. SCH.40 PVC THREADED TEE OR THREADED ELL (REFER TO PLAN) - 3/4"
C. BARBED DRIP INSERT FITTING (TYPICAL) (3/4" MIPT x 3/4" BARB)
D. 3/4" POLY DRIP TUBING - MAXIMUM RUN OF 150' IN EACH DIRECTION
E. SCH.80 PVC NIPPLE - 3/4" x 6" (OR LENGTH AS REQUIRED)
F. SCH.40 PVC LATERAL FITTING WITH 3/4" THREADED OUTLET (SEE PLAN FOR SIZE)
G. LATERAL PIPING (SEE PLAN FOR SIZE AND TYPE)
H. 1" STAINLESS STEEL HOSE CLAMP (TYPICAL) - SECURE TUBING TO INSERT FITTING
I. SOLID BRICK (2 BRICKS REQUIRED)

5 PVC TO POLY TRANSITION

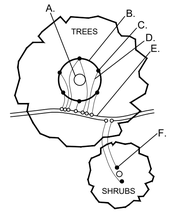
N.T.S.



A. FINISH GRADE
B. END FLUSH CAP
C. 6" ROUND BOX WITH LID
D. 3/4" POLY DRIP PIPE
E. 2" DEPTH OF GRAVEL
F. 90° FITTING

6 END FLUSH CAP

N.T.S.

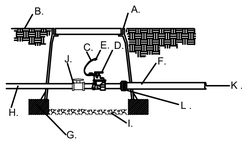


A. TREE TRUNK/ ROOT CROWN
B. 24" CIRCLE FROM TRUNK
C. EMITTERS
D. 1/4" DISTRIBUTION LINE
E. 3/4" POLYETHYLENE DRIPLINE
F. EMITTER PLACED AT THE EDGE OF THE ROOT BALL

NOTE:INSTALL EMITTERS ABOVE THE ROOT BALL IF PLANT IS INSTALLED ON A SLOPE.

7 EMITTER PLACEMENT DETAIL

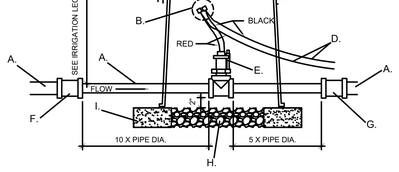
N.T.S.



A. APPLIED ENGINEERING PRODUCTS 1320 VALVE BOX WITH EXTENSIONS AS NEEDED
B. FINISH GRADE
C. 24" WIRE LOOP
D. AUTOMATIC VALVE, SEE IRRIGATION LEGEND
E. DRY SPLICE CONNECTOR OR EQUAL
F. LATERAL LINE/24" BURY
G. 8" X 8" X 16" CMU CONCRETE BLOCK
H. MASTERLINE/24" BURY
I. 4" LAYER OF 3/4" GRAVEL
J. SCH. 80 TRUE UNION BALL VALVE
K. SCH. 40 PVC LATERAL LINE
L. SCH. 80 UNION

8 AUTOMATIC VALVE

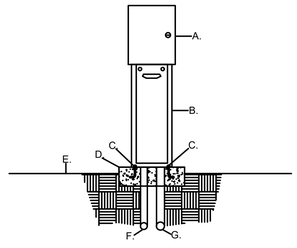
N.T.S.



A. PVC IRRIGATION MAINLINE, SEE PLAN.
B. WATERPROOF CONNECTIONS.
C. APPLIED ENGINEERING PRODUCTS MODEL 1320 VALVE BOX WITH EXTENSIONS AS REQUIRED AND FLUSH BOLT-DOWN COVER.
D. SHIELDED CABLE CONNECTED TO IRRIGATION CONTROLLER - SEE IRRIGATION LEGEND.
E. FLOW SENSOR - SEE IRRIGATION LEGEND.
F. SIZE OR DIRECTION CHANGE AT DISTANCE EQUAL TO 10X PIPE DIAMETER FROM FLOW SENSOR.
G. SIZE OR DIRECTION CHANGE AT DISTANCE EQUAL TO 5X PIPE DIAMETER FROM FLOW SENSOR.
H. 1" DIAMETER WASHED ROCK, 8" DEPTH.
I. 8"X8"X16" SOLID CMU BLOCK - 4 PER VALVE BOX.

9 FLOW SENSOR

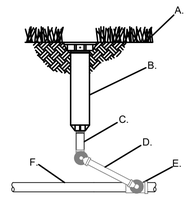
N.T.S.



A. AUTOMATIC CONTROLLER, SEE IRRIGATION LEGEND
B. PEDESTAL (SAME AS CONTROLLER MANUFACTURER)
C. 1/2' X 6" ANCHOR BOLTS, FOUR PER PEDESTAL
D. 3000 PSI CONCRETE PAD, 18" X 24" X 8" THICK
E. FINISH GRADE
F. 3/4" RIGID PVC SWEEP ELL (120 VOLT WIRE)
G. 2" RIGID PVC SWEEP ELL (24 VOLT WIRE)

10 PEDESTAL MOUNTED AUTOMATIC CONTROLLER

N.T.S.



A. FINISH GRADE
B. SEE PLAN FOR HEAD TYPE
C. PVC SCH.40 NIPPLE
D. HUNTER SWING JOINT
E. PVC SCH.40 TEE
F. PVC LATERAL LINE

11 ROTOR/ROTARY HEAD

N.T.S.

YELLOWSTONE LANDSCAPE
www.yellowstonelandscape.com
PO Box 10597
Albuquerque, NM 87184
505.898.9615
design@yellowstonelandscape. com

STATE OF NEW MEXICO
CODY McNALLEN
650
REGISTERED LANDSCAPE ARCHITECT
12/01/25

Date: 10/14/2025
Revisions:
1 12/01/2025

Drawn by: PL
Reviewed by: CM

AC by Marriott Hotel

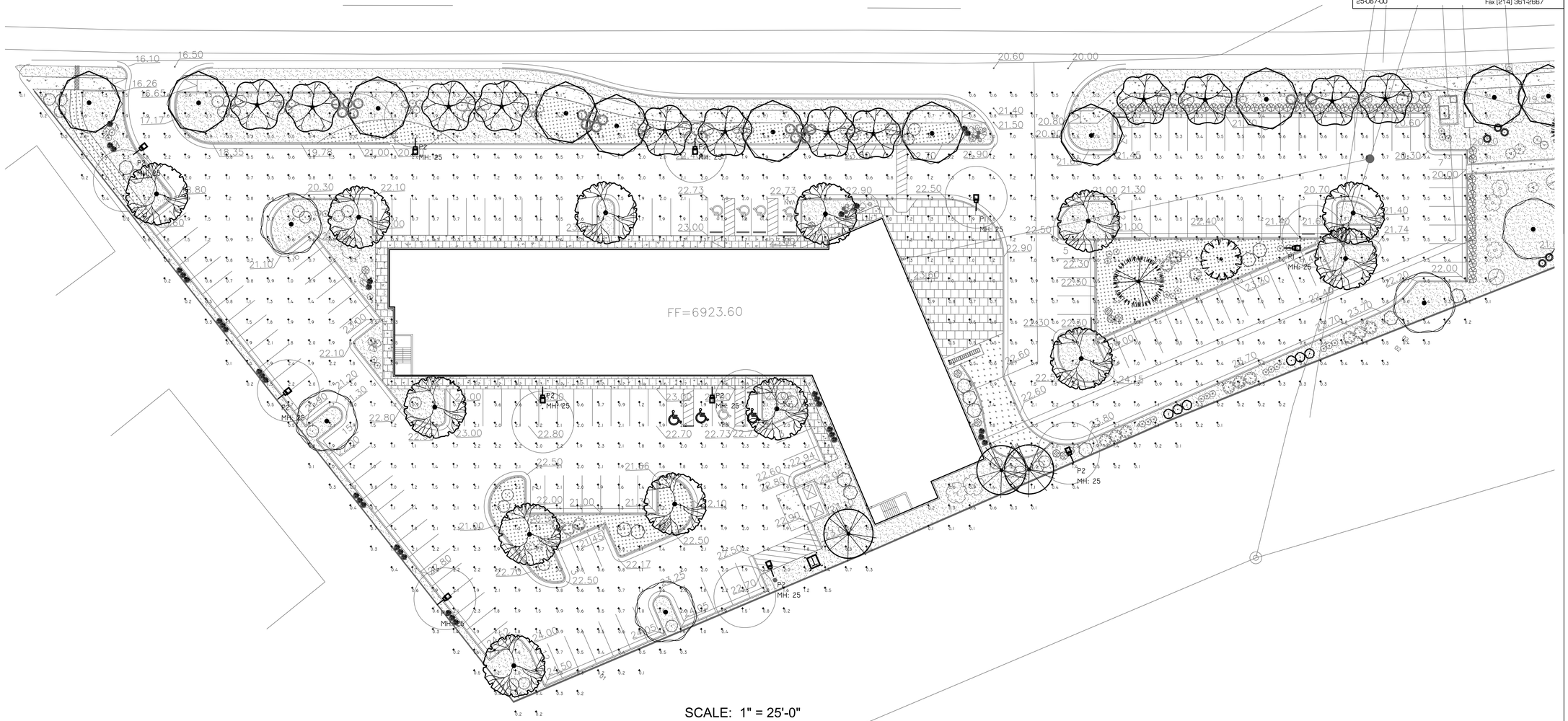
1000, 1101 & 1103 Cerrillos Road
Santa Fe, New Mexico

Sheet Title:
Irrigation Details

Sheet Number:
LI-04

BLUM CONSULTING ENGINEERS, INC.
12790 Merit Drive, Suite 700
Dallas, Texas 75251
www.blumeng.com
JOB NO. 25-087-00
(214) 373-8222
Fax (214) 361-2667

5GSTUDIO COLLABORATIVE



SCALE: 1" = 25'-0"

OWNER/DEVELOPER
Titan Development
6300 Riverside Plaza, Ste 200
Albuquerque, New Mexico 87120
(505-998-0163 Ian Robertson)

ARCHITECT
5G Studio Collaborative, LLC..
1217 Main Street
Dallas, TX 75202
(214-670-0050 Christine Robbins-Elrod)

CIVIL ENGINEER
Tierra West, LLC
5571 Midway Park Pl NE
Albuquerque, New Mexico 87109
(505-858-3100 Ronald R. Bohannan)

CONSULTANT
JenkinsGavin
130 Grant Avenue, Suite 101
Santa Fe, New Mexico 87501
(505-820-7444 Jennifer Jenkins)

LANDSCAPE ARCHITECT
Yellowstone Landscape
7525 Second Street NW
Albuquerque, New Mexico 87107
(505-998-9615 Cody McNallen)

MEP
Blum Consulting Engineers, Inc.
12790 Merit Drive, Building 9, Suite 700
Dallas, Texas 75251
(214-373-8222 Jake Musick)

Calculation Summary								
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Calc Ht.
SITE	Illuminance	Fc	1.00	2.4	0.1	10.00	24.00	0

Luminaire Schedule									
Symbol	Qty	Label	Arrangement	Description	Manufacturer	LLF	Luminaire Lumens	Luminaire Watts	Total Watts
	2	P1	Single	GALN-SA3B-740-U-SWQ	COOPER LIGHTING SOLUTIONS - McGRAW-EDISON (FORMERLY EATON)	0.912	17778	121	242
	9	P2	Single	GALN-SA3B-740-U-T4W-HSS	COOPER LIGHTING SOLUTIONS - McGRAW-EDISON (FORMERLY EATON)	0.912	12288	121	1089

Average Maintained Horizontal Footcandles at Grade		Maximum Illuminance	Pattern Style
Area	Commercial	Commercial	
Sidewalks	1.0	1.9	
Pedestrian Area	2.0	3.5	
Parking Lots	1.0	2.3	
Building Entrances	5.0	6.5	
Building Grounds	1.0	2.4	
Public Spaces	3.0	n/a	
The maximum illumination at any point shall not exceed the allowed average by more than 1.5 footcandles			

OUR PHOTOMETRICS ARE MOSTLY SIDEWALKS/PARKING LOTS/BUILDING GROUNDS WHICH ARE THE SAME PHOTOMETRIC ALLOWANCES SO WE HAVE ELECTED TO HAVE NO PATTERN STYLE FOR THESE SPACES.

REV.	DATE	ISSUE TITLE
	10/14/25	DEVELOPMENT PLAN

SCOTT SWAN
NEW MEXICO
22823
PROFESSIONAL ENGINEER

10.14.25

AC BY MARRIOTT HOTEL
DEVELOPMENT PLAN
1000, 1101 & 1103 CERRILLOS RD
SANTA FE, NM 87505

PHOTOMETRIC SITE PLAN

250008
PROJECT NUMBER

E1.00
SHEET NUMBER

Cooper Poles
Square Straight Steel Anchor Bolt Construction – SSS-AB

Ordering Information

Sample Number: SSS-20-4-11-AB-N4-BK

Domestic Preference	Product Family	Mounting Height(ft) [15]	Shaft Size-Wall Thickness	Installation Type
Blank = None **BABA** = Build America, Buy America funding [1]	**SSS** = Square Straight Steel	**5** = 5' **10** = 10' **12** = 12' **14** = 14' **15** = 15' **16** = 16' **18** = 18' **20** = 20' **22** = 22' **25** = 25' **27** = 27' **28** = 28' **30** = 30' **35** = 35' **37** = 37' **39** = 39'	**4-11** = 4", 11ga (.120") [6] **4-7** = 4", 7ga (.188") [7] **5-11** = 5", 11ga (.120") [7] **5-7** = 5", 7ga (.188") **5-3** = 5", 3ga (.250") **6-11** = 6", 11ga (.120") **6-7** = 6", 7ga (.188") **6-3** = 6", 3ga (.250")	**AB** = Anchor Base Installation

Mounting Types	Pre-Finish	Finish	Options (Add as Suffix)
[blank] = no mounting defined **T23S** = 2-3/8" OD x 4" long tenon **T23L** = 2-3/8" OD x 6" long tenon **T300** = 3" OD x 4" long tenon **T350** = 3-1/2" OD x 5" long tenon **T40S** = 4" OD x 6" long tenon **T40L** = 4" OD x 10" long tenon **M1** = Single M-drilling **M2** = M-drilling, 2 at 180° **M3** = M-drilling, 3 at 90° **M4** = M-drilling, 4 at 90° **M5** = M-drilling, 2 at 90° **N1** = Single N-drilling **N2** = N-drilling, 2 at 180° **N3** = N-drilling, 3 at 90° **N4** = N-drilling, 4 at 90° **N5** = N-drilling, 2 at 90° **S13** = CLS Simplex fitting for 13" rise to support 2' arm [8] **S15** = CLS Simplex fitting for 15" rise to support 2.5' arm [8] **S19** = CLS Simplex fitting for 19" rise to support 4' arm [8] **S24** = CLS Simplex fitting for 24" rise to support 6' arm [8] **S30** = CLS Simplex fitting for 30" rise to support 7.5' arm [8] **S/[ABCD][z]** = simplex fitting mounted at custom location [8, 11, 13]	**[blank]** = none **GV** = Galvanized [10]	**[Blank]** = none [9] **WTS** = Summit White, smooth **WHT** = New White, textured **WH** = New White, smooth **TWS** = True White, smooth **BZ** = Bronze, smooth **BZT** = Bronze, textured **CB** = Carbon Bronze **DP** = Dark Platinum **GN** = Hartford Green **VGS** = Verde Green, smooth **VGT** = Verde Green, textured **SY** = Silver **GM** = Graphite Metallic **AP** = Grey **APT** = Grey, textured **BK** = Black, smooth **BT** = Black, textured **XX** = Custom color [10] **RALxxxx** = RAL####, smooth or textured [10]	**CO/[ABCD][z]** = Convenience Outlet less electrical [11, 12] **ECO/[ABCD][z]** = Convenience Outlet with 20A GFCI plug 125V AC and in-use electrical cover (in hardware kit) [11, 12] **ITC050/[ABCD][z]** = 1/2" coupling - internal thread [11, 13] **ITC075/[ABCD][z]** = 3/4" coupling - internal thread [11, 13] **ITC100/[ABCD][z]** = 1" coupling - internal thread [11, 13] **ITC125/[ABCD][z]** = 1-1/4" coupling - internal thread [11, 13] **ITC150/[ABCD][z]** = 1-1/2" coupling - internal thread [11, 13] **ITC200/[ABCD][z]** = 2" coupling - internal thread [11, 13] **ETC050/[ABCD][z]** = 1/2" coupling - external thread [11, 13] **ETC075/[ABCD][z]** = 3/4" coupling - external thread [11, 13] **ETC100/[ABCD][z]** = 1" coupling - external thread [11, 13] **ETC125/[ABCD][z]** = 1-1/4" coupling - external thread [11, 13] **ETC150/[ABCD][z]** = 1-1/2" coupling - external thread [11, 13] **ETC200/[ABCD][z]** = 2" coupling - external thread [11, 13] **EHH/[ABCD][z]** = Extra Handhole with grounding provision [11] **VDF** = Vibration Dampener - Factory Installed for 2nd mode vibration **INT** = Interior coating (8 feet from base inside pole; 3 mils of epoxy or "tar") **ABS** = ABS Base Cover & handhole cover (black, bronze, or white - closest match to chosen finish) **TR** = Tamper Resistant handhole cover(s) **CMB-A/[ABCD][z]** = Camera Mounting Bracket "A" with 1/2" hole [11] **BMODxxxx** = Base Modification (where xxxx is reference number) [10] **UL** = UL listed with label (includes NEC) **CSA** = CSA listed with label **DP1** = DuraPro Level 1 extended corrosion resistance premium finish **DP3** = DuraPro Level 3 extended corrosion resistance premium pre-treatment & finish [14] **L/AB** = Less Anchor Bolts and template **EAB** = Anchor Bolts and Template Shipped Early

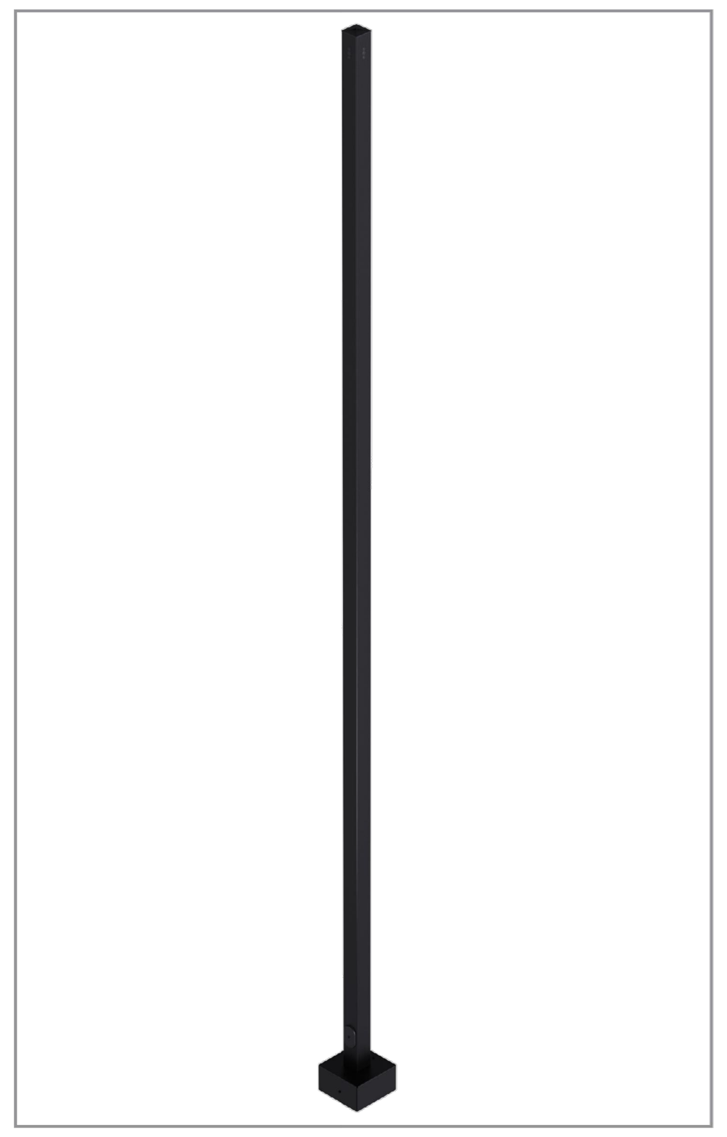
NOTES:
1. Only product configurations with this prefix are built to be compliant with the Buy American Act of 1933 (BAA) or the Buy America Build America Act (BABA). BABA is the minimum government compliance requirement for the Buy America Build America standards which is part of the Infrastructure and Investment Jobs Act (IIJA). Individual government agencies may have more stringent compliance standards. Please refer to the DOMESTIC PREFENCES website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
6. Up to 30' mounting height
7. Up to 35' mounting height
8. CLS Simplex arm ordered separately. See page 4 for details.
9. Available only with galvanized pre-finish.
10. Requires approval. Additional lead times may apply
11. Specify quadrant A, B, C, or D using mounting details, pg. 3. Specify height [z] in inches (min = 12" above base. Max = 6" below pole mounting height). Consult factory for exceptions
12. When location not specified by "/[ABCD][z]", the default location will be A48 (same side as handhole, 4-feet from base).
13. Specify each one required, maximum of 4, with it's [ABCD][z] location.
14. Requires -GV = Galvanization option.
15. Refer to EPA tables for published size, lengths, and wall thicknesses. Shorter length available in 1/2-foot increments.

Accessories (Order Separately) [1]

BCP-SSS-xxxxxx = premium 2pc metal base cover [2]
HCP-SSS-xxxxxx = premium metal handhole cover [2]
BCABS-SSS-xxxxxx = 2pc ABS base cover (BK, BZ, or WH finish) [2]
HCABS-SSS-xxxxxx = ABS handhole cover (BK, BZ, or WH finish) [2]
VDF-SSS-xx = vibration dampener [3]
ABKIT-SSS-xxxxx-STD = Anchor Bolt Kit and template [4]
PTC-SSS-xxxxx = Pole cap assembly, ABS smooth black [4]
GRD-KIT = Electrical grounding kit
DRL-PLUG-KIT-xxxx = drill plugs, painted to match pole finish [5]

NOTES:
1. Add 'BABA-' as prefix for BABA-compliant accessories
2. xxxxxx = shaft size,wall thickness, and finish (ex. BCP-SSS-4-11-GM or BCABS-SSS-4-11-BZ)
3. xx = mounting height (ex. VDF-SSS-20)
4. xxxx = shaft size and wall thickness (ex. ABKIT-SSS-4-11-STD, PTC-SSS-4-11)
5. xxxx = Drill pattern and finish (ex. DRL-PLUG-KIT-N4-BZ)

Project		Catalog #		Type	
Prepared by		Notes		Date	



Cooper Poles

Square Straight Steel - SSS

Anchor Base Installation

Product Certifications & Features

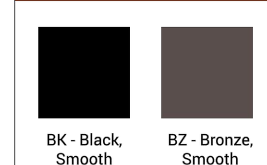
Base Cover

- 2-piece metal cover, painted to match pole
- Optional ABS cover, 3 basic finishes
- Corrosion resistant hardware

Handhole

- Handhole Assembly, 3"x5", 14" minimum above base
- Grounding provision Included
- Extra handhole locations available
- Metal handhole cover, painted to match pole
- Optional ABS Handhole cover, 3 basic finishes
- Corrosion resistant hardware
- Optional vandal resistant mechanism

Finish



Featured Colors

- Highly durable TGIC polyester powder paint
- ASTM D3359 5B classification
- Optional hot-dipped galvanized pre-treat
- 10+ colors, custom finishes available

Domestic Preferences

BABA option supports both the USA Buy America (BAA) and Infrastructure Investment and Jobs Act (IIJA) domestic preference procurement requirements.

Quick Facts

- Weldable grade carbon steel
- One-year limited warranty
- Fully galvanized anchor bolts & template included

Interactive Menu

Project		Catalog #		Type	
Prepared by		Notes		Date	

McGraw-Edison

GALN Galleon II

Area / Site Luminaire

Product Features

Interactive Menu

Product Certifications

Quick Facts

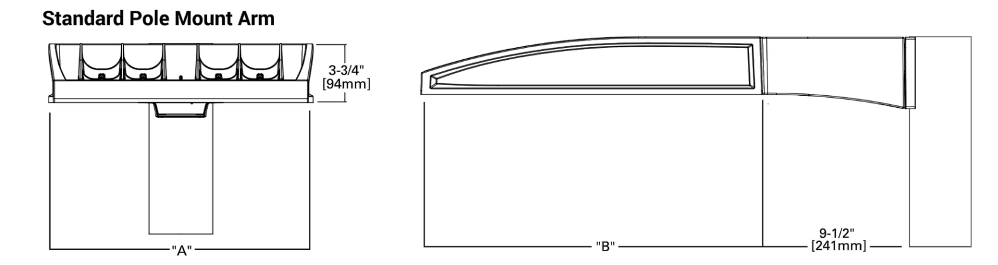
- Lumen packages range from 3,300 - 102,700 (33W - 658W)
- 22 optical distributions
- Efficacy up to 178 LPW

Connected Systems

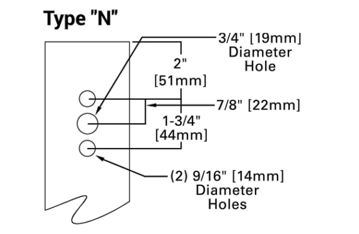
- Wavelinx LITE Wireless
- Wavelinx PRO Wireless
- AirMesh Wireless

Dimensional Details

Standard Pole Mount Arm



Pole Drilling Pattern
Type "N"

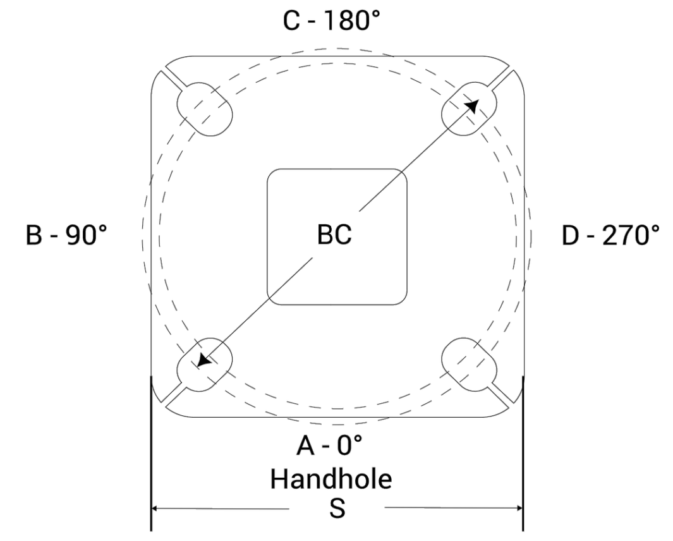


Number of Light Squares	Width "A"	Housing Length "B"	Weight with Standard or QM Arm	EPA with Standard or QM Arm
1-4	16"	22"	29 lb	0.95
5-6	22"	22"	39 lb	0.95
7-9	22"	28-1/8"	48 lb	1.1
NOTES: For arm selection requirements and additional line art, see Mounting Details section.				

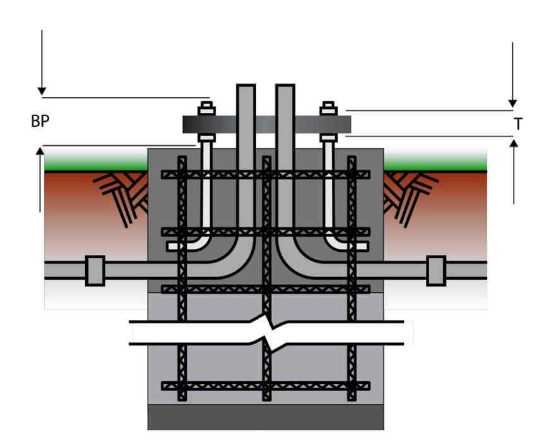
NOTES:
1. IDA Certified (3000K CCT and warmer only, fixed mounting options)

Cooper Poles
Square Straight Steel Anchor Bolt Construction – SSS-AB

Mounting Plate Details



A/B/C/D denote pole quadrants. Handhole always at 'A' or 0°



NOTE:
If custom base option required, please specify BMODxxxx option and provide drawing. Approval required, additional lead times may apply. Premium metal base cover included.

Shaft size & guage	Base Size		Anchor Bolt Details [1]		
	Square Size (S)	Thickness (T)	Bolt Circle (BC)	Bolt Size	Bolt projection (BP)
4-11, & 4-7	8	0.75	8.5	.75 x 17 x 3	3.0 - 3.5
5-11	11	0.75	11	.75 x 17 x 3	3.0 - 3.5
5-7 & 5-3	11	1	11	1 x 36 x 4	3.5 - 4.0
6-11, 6-7, & 6-3	11.5	1	11.5	1 x 36 x 4	3.5 - 4.0

NOTES: Dimensions in inches

1. Anchor Bolts and template included.

McGraw-Edison
GALN Galleon II

Ordering Information

SAMPLE NUMBER: **GALN-SA4C-740-U-T4FT-GM**

Product Family [1, 2]	Light Engine Configuration: Light Square	Light Engine Configuration: Square Count	Light Engine Configuration: Lumen Output	Color Temperature	Voltage	Distribution	Mounting	Finish
GALN=Galleon II **BAA-GALN**=Galleon II Buy American Act Compliant [26] **TAA-GALN**=Galleon II Trade Agreements Act Compliant [26] **BABA-GALN**=Galleon II BABA/IIJA Compliant [38]	**SA**=16 LED Light Square **SB**=26 LED Light Square	**1**=1 Light Square **2**=2 Light Squares **3**=3 Light Squares **4**=4 Light Squares **5**=5 Light Squares **6**=6 Light Squares **7**=7 Light Squares **8**=8 Light Squares **9**=9 Light Squares	**A**=Output Level 1 **B**=Output Level 2 **C**=Output Level 3 **D**=Output Level 4 [4, 16] **Z**=Configured Output [32]	**722**=70CRI, 2200K **727**=70CRI, 2700K **730**=70CRI, 3000K **735**=70CRI, 3500K **740**=70CRI, 4000K **750**=70CRI, 5000K **760**=70CRI, 6000K **827**=80CRI, 2700K **830**=80CRI, 3000K **835**=80CRI, 3500K **840**=80CRI, 4000K **930**=90CRI, 3000K **935**=90CRI, 3500K **940**=90CRI, 4000K **950**=90CRI, 5000K **AMB**=Amber [14, 16]	**U**=120-277V **H**=347V-480V [7, 29] **1**=120V **2**=208V **3**=240V **4**=277V **8**=480V [7, 29] **9**=347V [7] **DV**=277V-480V DuraVolt Drivers [28, 29, 30]	**T1**=Type I **T2**=Type II **T2R**=Type II Roadway **T3**=Type III **T3R**=Type III Roadway **T4FT**=Type IV Forward Throw **T4W**=Type IV Wide **5NQ**=Type V Narrow **5MQ**=Type V Square Medium **5WQ**=Type V Square Wide **SL2**=Type II w/Spill Control **SL3**=Type III w/Spill Control **SL4**=Type IV w/Spill Control **SLL**=90° Spill Light Eliminator Left **SLR**=90° Spill Light Eliminator Right **RW**=Rectangular Wide Type I **AFL**=Automotive Frontline **T2BC**=Type II w/ Backlight Control [39] **T3BC**=Type III w/ Backlight Control [39] **T4BC**=Type IV w/ Backlight Control [39] **LBC**=90° Left w/ Backlight Control [39] **RBC**=90° Right w/ Backlight Control [39]	**[Blank]**=Standard Pole Mount Arm **QU**=Quick Mount Universal Arm **QM**=Pole Mount Arm with Quick Mount Adaptor **PA**=Pole Mount, Adjustable **SP**=3" Slipfitter, Adjustable [8] **SP2**=2-3/8" Slipfitter, Adjustable [8] **QMA**=Quick Mount Mast Arm, Fixed **MA**=Mast Arm, Fixed **WM**=Wall Mount, Fixed **WA**=Wall Mount, Adjustable **UP**=Upswept Arm	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White **RALXX**=Custom Color

Options (Add as Suffix)	Controls and Systems Options (Add as Suffix)	Accessories (Order Separately) [27]
DIM=External 0-10V Dimming Leads [19] **F**=Single Fuse (120, 277 or 347V Specify Voltage) **FF**=Double Fuse (208, 240 or 480V Specify Voltage) **20K**=20kV UL 1449 fused surge protective device [10] **2L**=Two Circuits [10] **HA**=50°C High Ambient [16] **HSS**=Installed House Side Shield [17] **BCS**=Backlight Control Shield [17, 37] **GRSBK**=Glare Reducing Shield, Black [22] **GRSWH**=Glare Reducing Shield, White [22] **LCF**=Light Square Trim Painted to Match Housing [25] **TH**=Tool-less Door Hardware [5] **CC**=Coastal Construction finish [3] **L90**=Optics Rotated 90° Left **R90**=Optics Rotated 90° Right **3SDCM**=3 Standard Deviation Color Matching [36] **AHD145**=After Hours Dim, 5 Hours [21] **AHD245**=After Hours Dim, 6 Hours [21] **AHD255**=After Hours Dim, 7 Hours [21] **AHD355**=After Hours Dim, 8 Hours [21] **DALI**=DALI Drivers	**BPC**=Button Type Photocontrol. Must specify voltage 120V, 208V, 240V or 277V. [6] **PR**=NEMA 3-PIN Photocontrol Receptacle **PR7**=NEMA 7-PIN Photocontrol Receptacle [20] **FADC**=Field Adjustable Dimming Controller [31] **PSC**=Photocontrol Shorting Cap **SPB2**=Dimming Motion Sensor, 9'-20' mounting [23] **SPB4**=Dimming Motion Sensor, 21'-40' mounting [23] **SPB2/X**=Dimming Motion Sensor, limited square count, 9'-20' mounting [23] **SPB4/X**=Dimming Motion Sensor, limited square count, 21'-40' mounting [23] **MS/DIM-L20**=Motion Sensor for Dimming Operation, 9'-20' Mounting [33, 40] **MS/DIM-L40**=Motion Sensor for Dimming Operation, 21'-40' Mounting [33, 40] **WLS2XX**=WaveLinx LITE, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting [12, 18, 34] **WLS4XX**=WaveLinx LITE, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting [12, 18, 34] **WPS2XX**=WaveLinx PRO, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting [12, 13, 18, 34] **WPS4XX**=WaveLinx PRO, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting [12, 13, 18, 34] **DIM10-L20**=AirMesh Occupancy Sensor (9'-20' Mounting) [18, 35] **DIM10-L40**=AirMesh Occupancy Sensor (21'-40' Mounting) [18, 35]	**OA/RA1016**=NEMA Photocontrol Multi-Tap - 105-285V **OA/RA1027**=NEMA Photocontrol - 480V **OA/RA1201**=NEMA Photocontrol - 347V **OA/RA1013**=Photocontrol Shorting Cap **OA/RA1014**=120V Photocontrol **MA1252**=10kV Surge Module Replacement **MA1036-XX**=Single Tenon Adapter for 2-3/8" O.D. Tenon **MA1037-XX**=2@180° Tenon Adapter for 2-3/8" O.D. Tenon **MA1197-XX**=3@120° Tenon Adapter for 2-3/8" O.D. Tenon **MA1188-XX**=4@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1189-XX**=2@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1190-XX**=3@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1191-XX**=2@120° Tenon Adapter for 2-3/8" O.D. Tenon **MA1038-XX**=Single Tenon Adapter for 3-1/2" O.D. Tenon **MA1039-XX**=2@180° Tenon Adapter for 3-1/2" O.D. Tenon **MA1192-XX**=3@120° Tenon Adapter for 3-1/2" O.D. Tenon **MA1193-XX**=4@90° Tenon Adapter for 3-1/2" O.D. Tenon **MA1194-XX**=2@90° Tenon Adapter for 3-1/2" O.D. Tenon **MA1195-XX**=3@90° Tenon Adapter for 3-1/2" O.D. Tenon **SRA238**=Adapter kit for mounting 3" SP arm to 2-3/8" O.D. vertical tenon **FSIR-100**=Wireless Configuration Tool for MS/DIM [33] **LS/HSS**=Field Installed House Side Shield for SA Light Squares [9, 17] **LS/HSS-SB**=Field Installed House Side Shield for SB Light Squares [9, 17] **LS/BCS**=Backlight Control Shield [9, 17, 37] **LS/GRSBK-2PK** =Glare Reducing Shield, Black [9, 22] **LS/GRSWH-2PK** =Glare Reducing Shield, White [9, 22] **LS/PFS**=Perimeter Shield, Black [15] **WOLC-7P-10A**=WaveLinx Outdoor Control Module [11, 18, 13] **TL7-G1-HV**= AirMesh 7-PIN node, 110-480V [11, 18, 35] **CBSSW-450-002**= AirMesh central base station with 5-button control [35]

NOTES:
1. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information.
2. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
3. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. Not available with TH option.
4. When using SA light squares, Output Level 4 not available with color temperatures 722, 727, 827, 830 or 930 when HSS is used.
5. TH option not 3G rated. Not available with Coastal Construction (CC) option.
6. Not available with voltage options H, 8 or 9.
7. Not available with SB1A or SB2A configurations. Not available in combination with HA high ambient and sensor options at Output Level 3. H voltage not available with sensor options, choose voltage 8 or 9.
8. SP arm limited to 3" O.D. vertical tenon. SP2 limited to 2-3/8" O.D. vertical tenon.
9. One required for each Light Square.
10. 2L is not available with SB light squares. Not available with SPB at 347V or 480V. Not available with WaveLinx or 20kV surge option.
11. Requires PR7.
12. Replace XX with sensor color (WH, BZ or BK.).
13. WAC Gateway required to enable field-configurability: Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed. WAC not required for LC Bluetooth sensors.
14. Narrow-band 590nm +/- 5nm for wildlife and observatory use. Choose Output Level 1; supplied at 500mA drive current only. Not available with SB light squares. Exact luminaire wattage available in IES files. Available with 5WQ, 5MQ, SL2, SL3 and SL4 distributions. Can be used with HSS option.
15. Set of 4 pcs. One set required per Light Square.
16. HA option not available with Output Level 4 or AMB Amber.
17. Not for use with T1, 5NQ, 5MQ, 5WQ or RW optics.
18. Cannot be used with other control options.
19. Low voltage control lead brought out 18" outside fixture. Not available with DALI or integrated controls options.
20. Not available if any SPB, or WaveLinx sensor is selected. Motion sensor has an integral photocell.
21. Requires the use of BPC photocontrol or the PR7 or PR photocontrol receptacle with photocontrol accessory. Not available with SB light squares when using Output Level 4.
22. Not for use with T1, T4FT, T4W or SL optics. See IES files for details. Not available with SB light squares.
23. Sensor configuration mobile application required for configuration. See controls page for details.
24. Replace X with number of Light Squares controlled by the SPB, referencing the "SPB/X Availability Table" on the controls page.
25. Not available with HSS, GRSWH or GRSBK.
26. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
27. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
28. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.signify.com/duravolt for more information.
29. 480V not to be used with ungrounded or impedance grounded systems.
30. Not available with SA1A or SA1B. Not available with SB1, or any SB configuration using Output Level 1. Not available with any control option except SPB
31. Cannot be used with DALI, PR7, or other motion response control options. Not available with SB light squares when using Output Level 4.
32. Use GALN Product Configurator to specify lumen output, drive current and wattage. Not available with AMB. Not available with SB light squares.
33. Uses the FSP-211 motion sensor. The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Cooper Lighting Solutions for more information.
34. Controls system is not available with photocontrol receptacles (PR , PR7) or other controls systems (FADC, SPBx).
35. Requires AirMesh central base station CBSSW-450-002 and Synapse commissioning for operation.
36. 3-step MacAdam ellipse binning. Available in 740 CRI/CCT only. Longer lead times apply, consult your lighting representative at Cooper Lighting Solutions for more information.
37. Not available with SB light squares.
38. Only product configurations with these prefixes are built to be compliant with theBuy American Act of 1933 (BAA) or the Build America Buy America Act (BABA).BABA is the minimum Government compliance requirement for the Build America Buy America standards which is part of the Infrastructure and Investment JobsAct (IIJA). Individual Government Agencies may have more stringent compliancestandards. Please refer to the DOMESTIC PREFERENCES website or consult the CLSDomestic Preferences team for more information. Components shipped separatelymay be separately analyzed under domestic preference requirements.
39. Select SA light square. Only available with Output Levels 1, 2 or 3. Not compatible with HSS, GRS, BCS or PFS shield options, or LCF.
40. Not compatible with DALI.

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REV.	DATE	ISSUE TITLE
	10/14/25	DEVELOPMENT PLAN

10.14.25

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DEVELOPMENT PLAN
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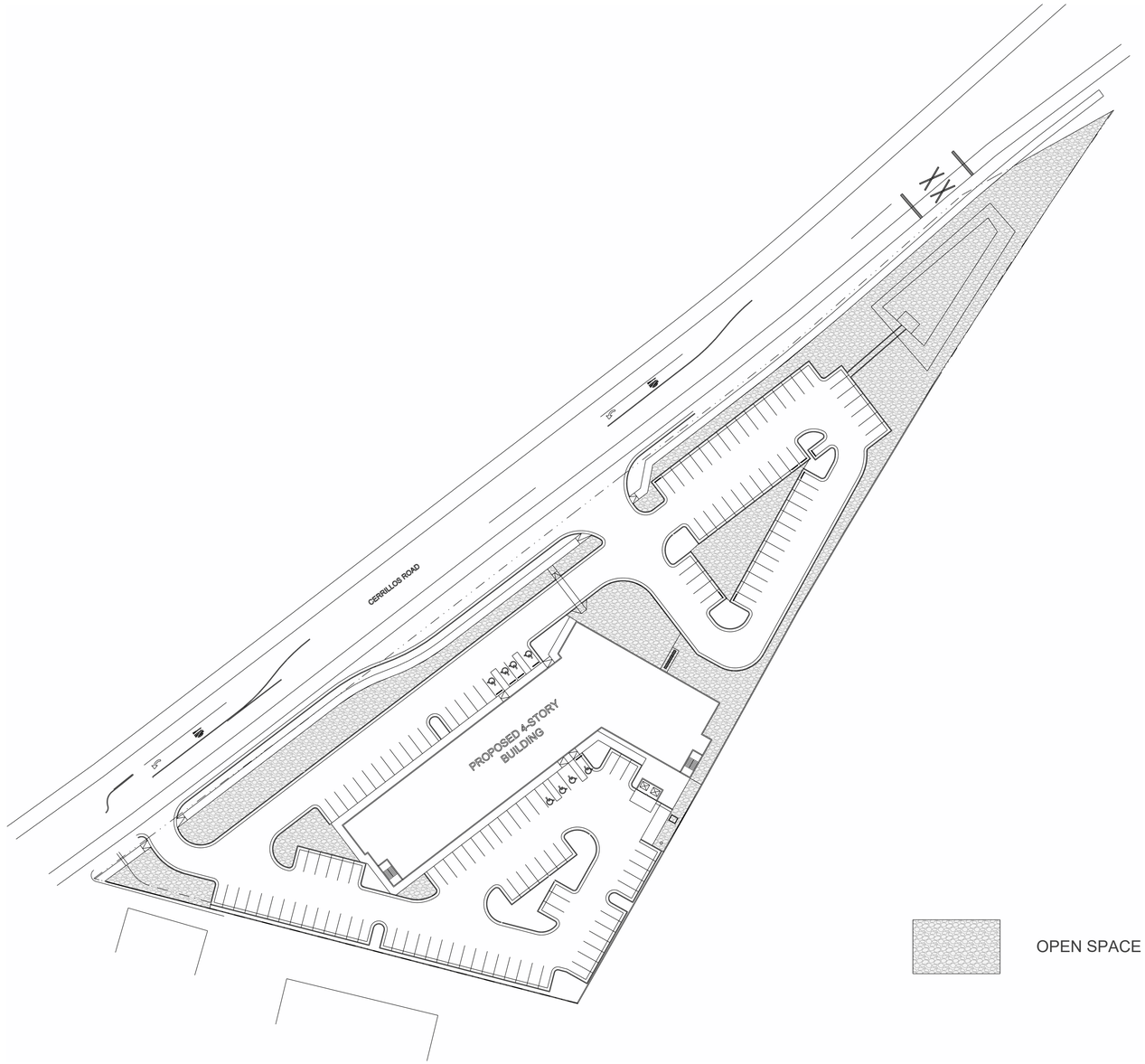
SANTA FE, NM 87505

LIGHTING FIXTURE CUTSHEETS

250008
PROJECT NUMBER

E1.01
SHEET NUMBER



OPEN SPACE : 27.5%

01 OPEN SPACE DIAGRAM

SCALE 1"=50'

0 5'10' 20' 50'

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REV.	DATE	ISSUE TITLE
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	12/01/25	DEVELOPMENT PLAN REV 1

STATE OF NEW MEXICO
ONG YEN ONG
No. 005683
REGISTERED ARCHITECT

12.01.25

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DEVELOPMENT PLAN

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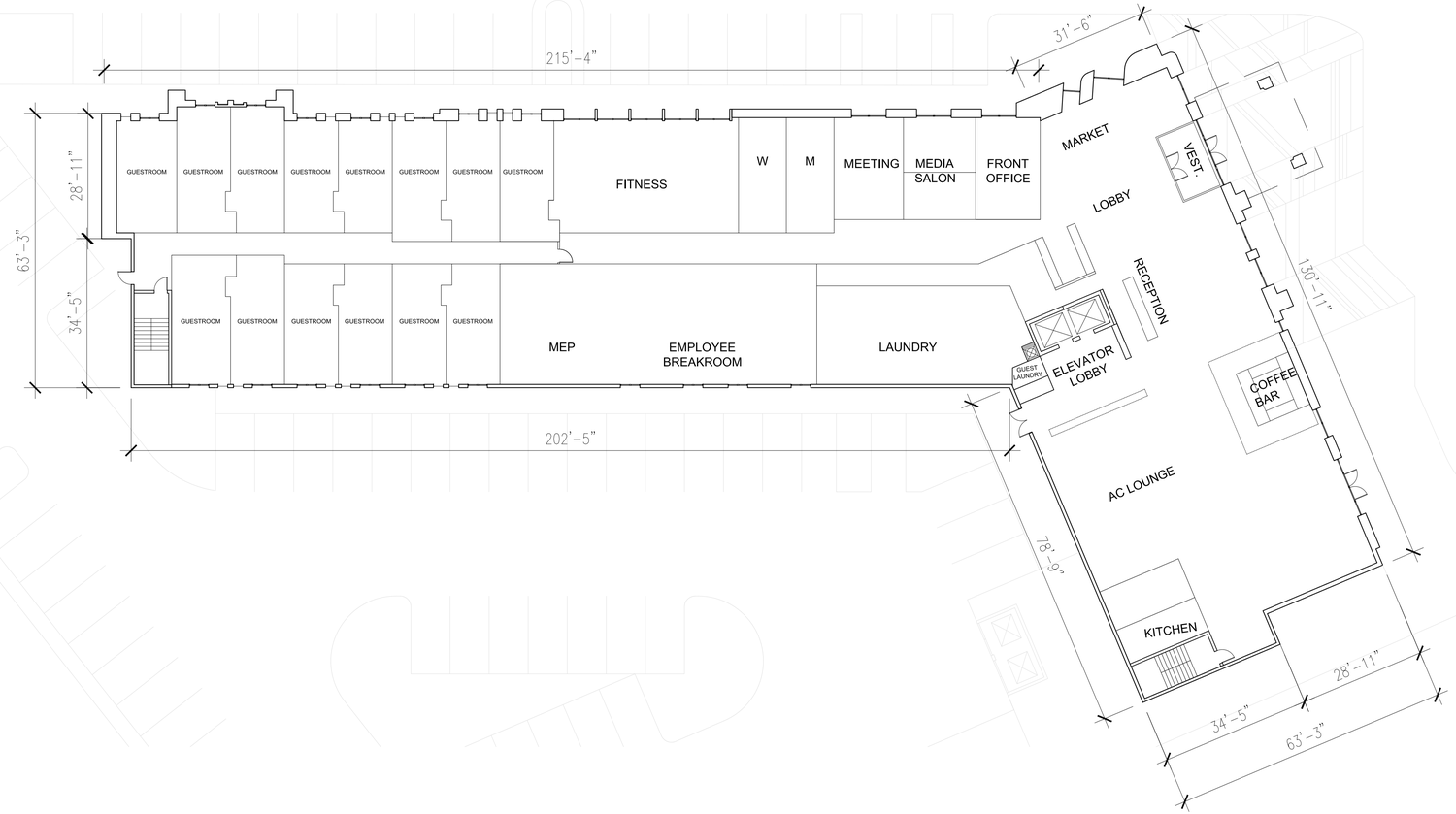
OPEN SPACE DIAGRAM

250008
PROJECT NUMBER

A101
SHEET NUMBER



01 FIRST FLOOR PLAN

SCALE 1/16"=1'-0"

0' 5' 10' 20'

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STATE OF NEW MEXICO
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DEVELOPMENT PLAN

1000, 1101 & 1103 CERRILLOS RD
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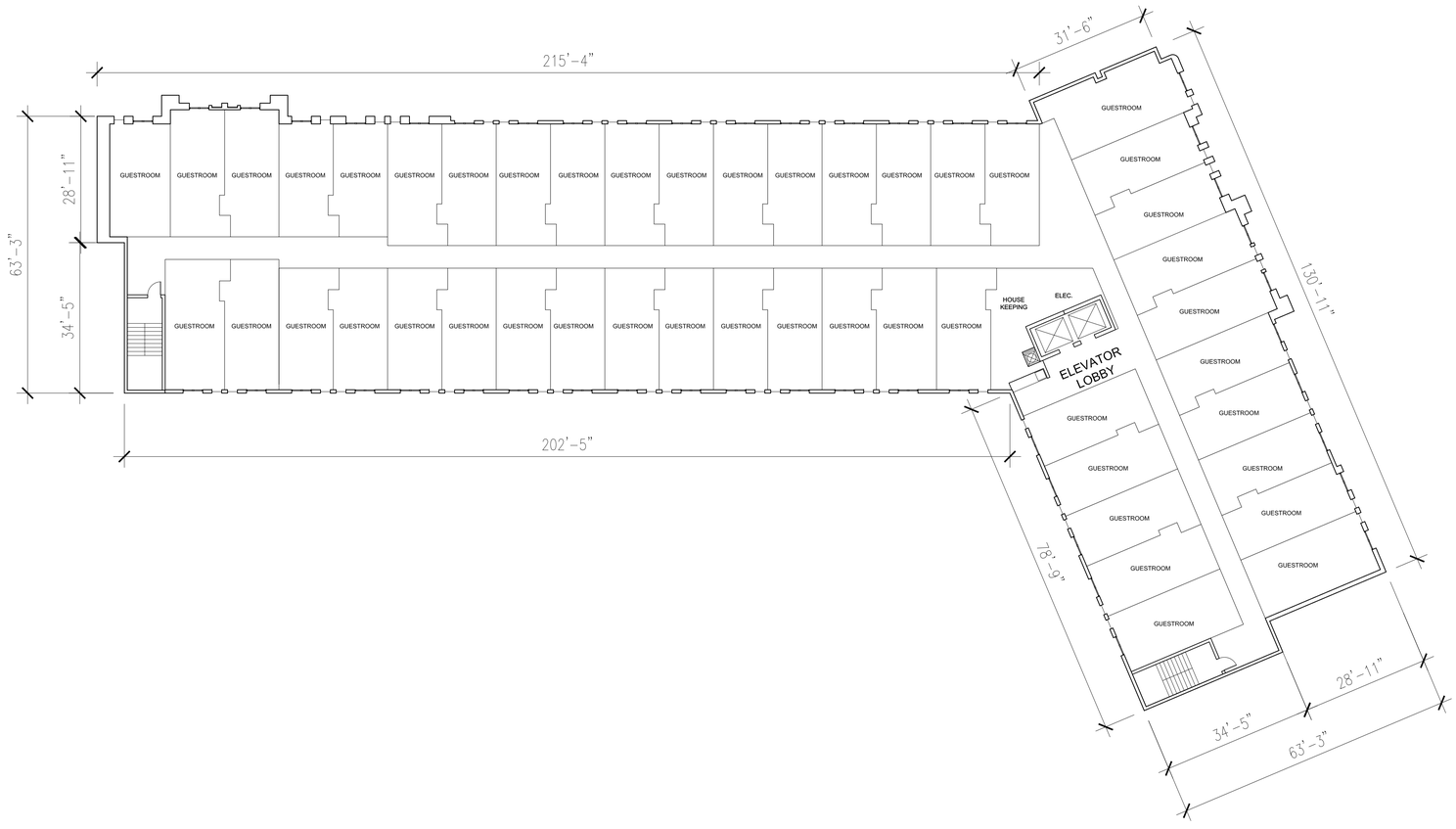
FIRST FLOOR PLAN

250008
PROJECT NUMBER

A201
SHEET NUMBER



02 SECOND/THIRD FLOOR PLAN

SCALE 1/16"=1'-0"

0' 5' 10' 20'

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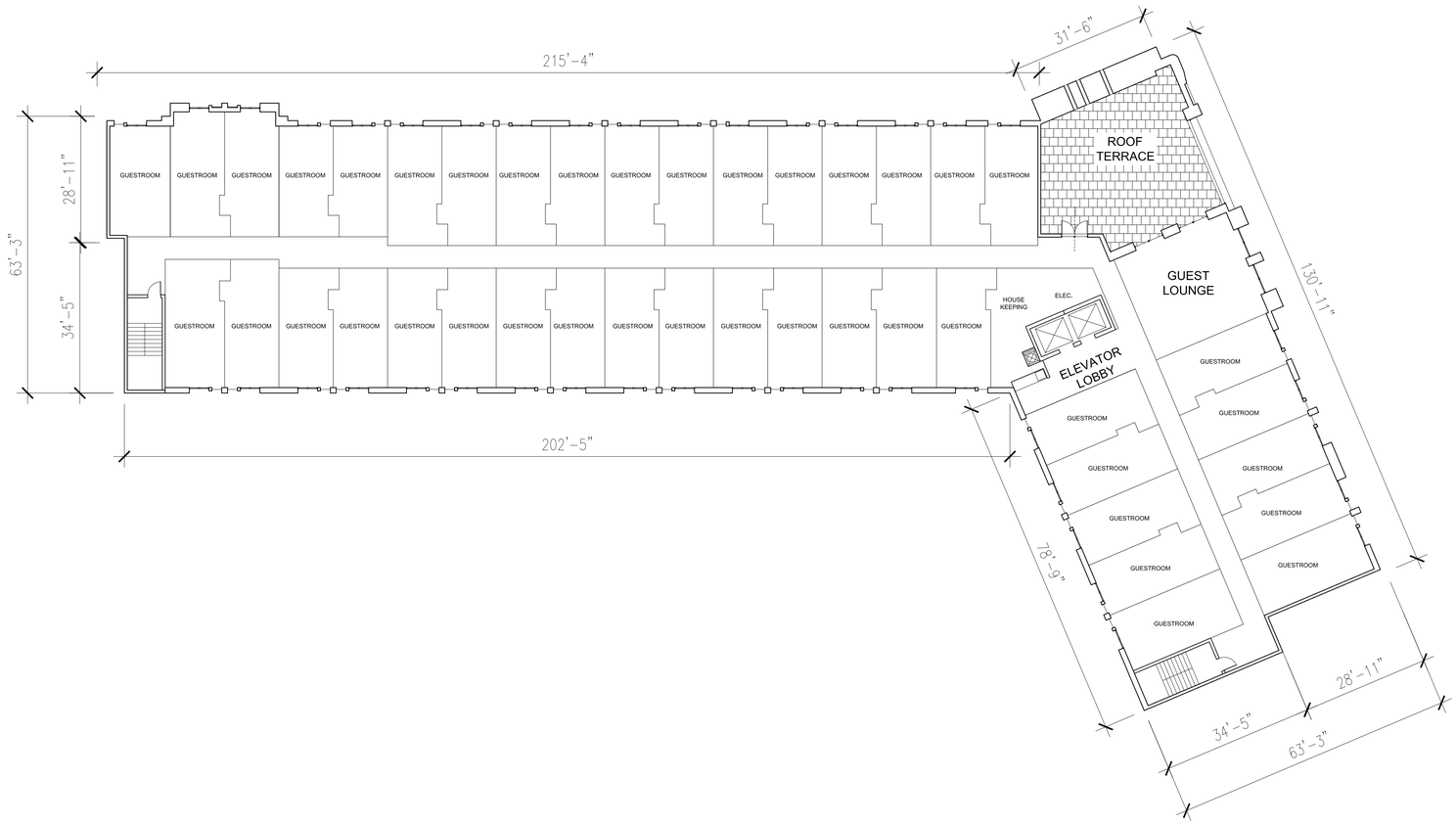
SECOND/THIRD FLOOR PLAN

250008
PROJECT NUMBER

A202
SHEET NUMBER



03 FOURTH FLOOR PLAN

SCALE 1/16"=1'-0"

0 1' 5' 10' 20'

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DEVELOPMENT PLAN

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FOURTH FLOOR PLAN

250008
PROJECT NUMBER

A203
SHEET NUMBER

Architectural Points Analysis Highlight

- Stucco is the predominant exterior surface material. 30
- Earthtones are the colors of predominant exterior surface material. 30
- More than 75% of exterior wall surfaces are with monolithic treatment. 10
- Flat roof surfaces are entirely concealed from public view by parapets. 20
- Roofing surfaces are entirely concealed from public view. 20
- Roofing material color is entirely concealed from public view. 15
- All windows and doors are recessed a min. 3" from exterior wall surfaces. 20
- The total area of windows and doors is less than 50% of the façade area. 20
- No doors or windows are located less than 2' from the corners. 20
- Window glazing color is neutral gray. 10
- MEP equipment is screened from public view by parapets. 10

02 NORTH ELEVATION

SCALE 1/16"=1'-0"

0 1' 5' 10' 20'

01 WEST ELEVATION (CERRILLOS ROAD)

SCALE 1/16"=1'-0"

0 1' 5' 10' 20'

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STATE OF NEW MEXICO
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12.01.25

AC BY MARRIOTT HOTEL
DEVELOPMENT PLAN

1000, 1101 & 1103 CERRILLOS RD
SANTA FE, NM 87505

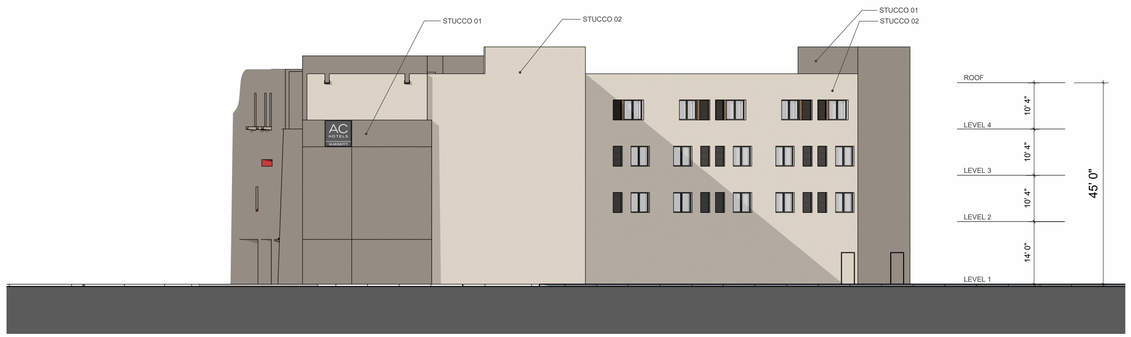
BUILDING ELEVATIONS

250008
PROJECT NUMBER

A301
SHEET NUMBER

Architectural Points Analysis Highlight

- Stucco is the predominant exterior surface material. 30
- Earthtones are the colors of predominant exterior surface material. 30
- More than 75% of exterior wall surfaces are with monolithic treatment. 10
- Flat roof surfaces are entirely concealed from public view by parapets. 20
- Roofing surfaces are entirely concealed from public view. 20
- Roofing material color is entirely concealed from public view. 15
- All windows and doors are recessed a min. 3" from exterior wall surfaces. 20
- The total area of windows and doors is less than 50% of the façade area. 20
- No doors or windows are located less than 2' from the corners. 20
- Window glazing color is neutral gray. 10
- MEP equipment is screened from public view by parapets. 10



02 SOUTH ELEVATION (CORDOVA ROAD)

SCALE 1/16"=1'-0"

0 1' 5' 10' 20'

01 EAST ELEVATION (RAILROAD)

SCALE 1/16"=1'-0"

0 1' 5' 10' 20'

5GSTUDIO COLLABORATIVE

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(214-373-8222 Jake Musick)

REV.	DATE	ISSUE TITLE
	10/14/25	DEVELOPMENT PLAN
	12/01/25	DEVELOPMENT PLAN REV 1

STATE OF NEW MEXICO
ONG YEN ONG
No. 005683
REGISTERED ARCHITECT

12.01.25

AC BY MARRIOTT HOTEL
DEVELOPMENT PLAN

1000, 1101 & 1103 CERRILLOS RD
SANTA FE, NM 87505

BUILDING ELEVATIONS

250008
PROJECT NUMBER

A302
SHEET NUMBER

D/F DIRECTIONAL SIGN

Main id:
D/f fabricated aluminum cabinet
Cabinet painted to match pms 425c gray (satin finish)

.177" white solar grade polycarbonate faces
W/ 1st surface vinyl or digitally printed graphics

Translucent film digitally printed to match pms 425c gray
w/ weed-out sho-thru white graphics

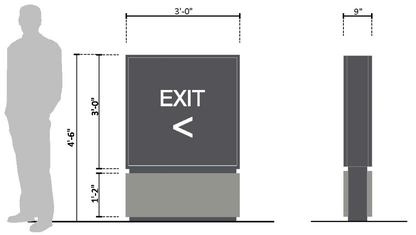
Font: Helvetica

Internally illuminated w/ GE 7100k white led's

Fabricated aluminum base
Painted to match pms 425c gray (satin finish)

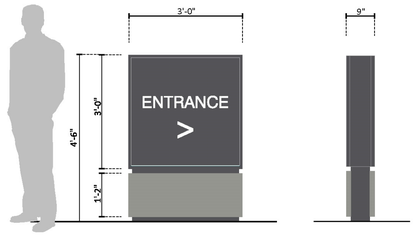
Aluminum pan-type accent panels
Painted to match pms 423c light gray (satin finish)

Standard steel supports & concrete pier
Foundations



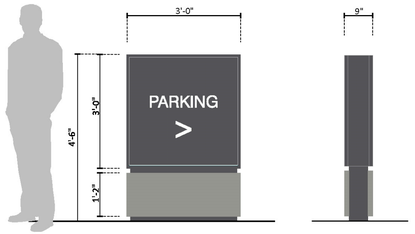
D/F DIRECTIONAL SIGN SCALE: 3/4" = 1'-0"

OPPOSITE FACE LAYOUT



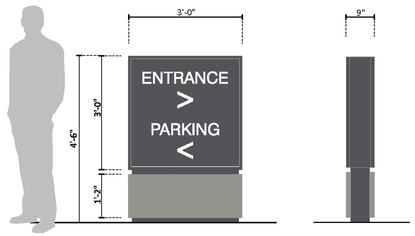
DIRECTIONAL SIGN SCALE: 3/4" = 1'-0"

OPPOSITE FACE LAYOUT



D/F DIRECTIONAL SIGN SCALE: 3/4" = 1'-0"

OPPOSITE FACE LAYOUT



D/F DIRECTIONAL SIGN SCALE: 3/4" = 1'-0"

OPPOSITE FACE LAYOUT

BUILDING SIGNAGE - WALL SIGN

Signcomp extruded aluminum #2107
Bleed face frame w/ #2124 cover & internal 1½"
Aluminum square tube frame
Exterior painted to match pms 425c gray (satin finish)

Flexible bleed faces w/ digitally printed vinyl graphics
Background to be pms 425c gray
Logo copy & divider to show-thru white

Internally illuminated w/ 7100k white led's
Remote led power supplies
(verify access behind wall)

Clip-mount to wall w/ non-corrosive
Hardware as req'd per site conditions

S/F WALL SIGN

A	B	C	D	E	F	G	H	SQ FT
4'-0"	4'-0"	3'-2½"	9"	⅞"	1'-3¼"	4"	4¼"	16 SQ FT
5'-0"	5'-0"	4'-0"	1 1⅛"	½"	1'-8"	5¼"	5¼"	25 SQ FT
6'-0"	6'-0"	4'-9½"	1'-1¼"	¾"	1'-11"	6⅛"	6⅛"	36 SQ FT

PORTE COCHERE SIGNAGE - 18"

Aluminum channel letters
Wrisco brite clear anodized .040 aluminum
White l.e.p inside

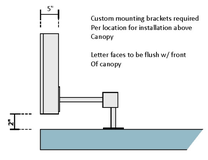
1" silver jewelite retainers

#7328 white acrylic faces

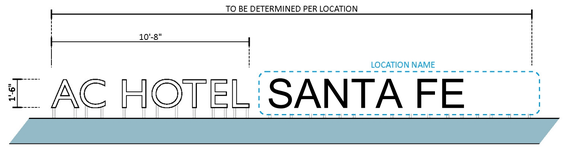
White GE tetra l.e.d. illumination

Power supplies in raceway on mounting bracket

Flush mounted to wall surface
With rivnut anchors as required



END VIEW



MONUMENT SIGN

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Cabinet painted to match pms 425c gray (satin finish)

.177" white solar grade polycarbonate faces
W/ 1st surface vinyl or digitally printed graphics

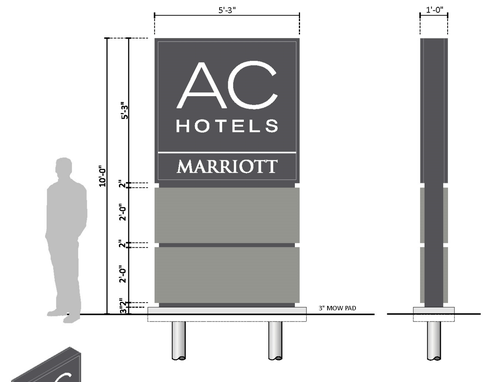
Translucent film digitally printed to match pms 425c gray
3m 3630-20 white translucent film

Internally illuminated w/ GE 7100k white led's

Fabricated aluminum base
Painted to match pms 425c gray (satin finish)

Aluminum pan-type accent panels
Painted to match pms 423c light gray (satin finish)

Standard steel supports & concrete pier
foundations



MONUMENT SIGN SCALE: 3/4" = 1'-0"
10'-0" OAH

END VIEW

ISOMETRIC VIEW

5GSTUDIO COLLABORATIVE

OWNER/DEVELOPER
Titan Development
6300 Riverside Plaza, Ste 200
Albuquerque, New Mexico 87120
(505-998-0163 Ian Robertson)

ARCHITECT
5G Studio Collaborative, LLC..
1217 Main Street
Dallas, TX 75202
(214-670-0050 Christine Robbins-Elrod)

CIVIL ENGINEER
Tierra West, LLC
5571 Midway Park Pl NE
Albuquerque, New Mexico 87109
(505-858-3100 Ronald R. Bohannan)

CONSULTANT
JenkinsGavin
130 Grant Avenue, Suite 101
Santa Fe, New Mexico 87501
(505-820-7444 Jennifer Jenkins)

LANDSCAPE ARCHITECT
Yellowstone Landscape
7525 Second Street NW
Albuquerque, New Mexico 87107
(505-998-9615 Cody McNallen)

MEP
Blum Consulting Engineers, Inc.
12790 Merit Drive, Building 9, Suite 700
Dallas, Texas 75251
(214-373-8222 Jake Musick)

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SIGNAGE

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