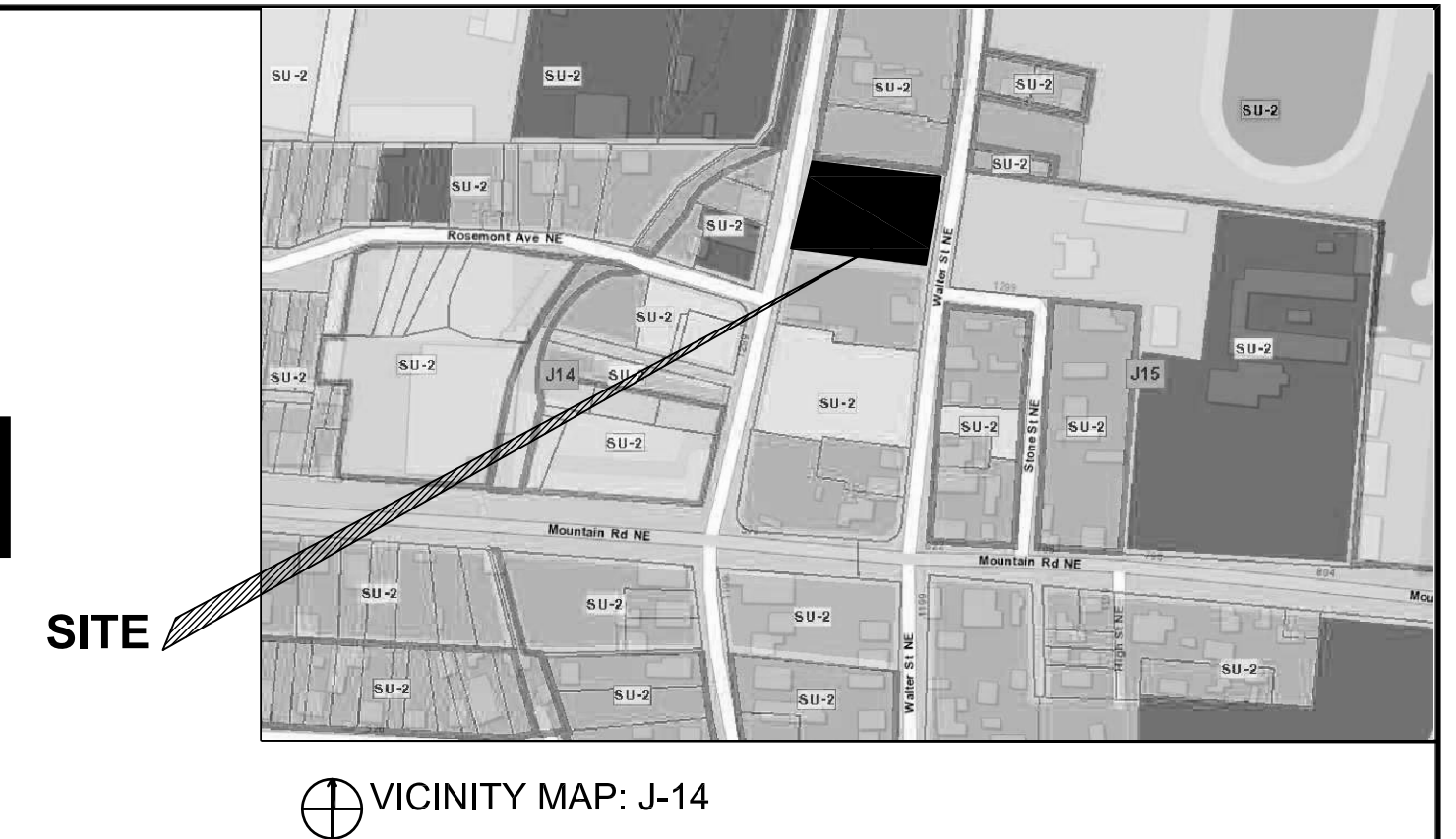




# SANTA BARBARA PARK RENOVATION

## 100% CONSTRUCTION DOCUMENTS FOR PRICING

### JULY, 2015



## CITY OF ALBUQUERQUE

### PARKS & RECREATION DEPARTMENT

Strategic Planning and Design

Date of Record Drawings:  
Parks & Recreation Department - Owner

#### Property Information

Property Address: 1226 Walter St. NE  
Zone : SU-2  
Park Acres: 0.6  
Existing Turf Acres: 0.3  
New Turf Acres: 0.3

#### Legal Description

WLY POR Springer Transfer CO  
Tract C EXC POR TO R/W 0 656 AC  
City of Albuquerque  
Bernalillo County, New Mexico

#### Index of Drawings

1. Cover Sheet
2. General Notes
3. Demolition Plan
4. Grading Plan and Drainage Plan (PH I)
5. Grading Plan and Drainage Plan (PH II)
6. Construction Plan
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8. Irrigation Plan
9. Planting Plan
10. Construction Details
11. Construction Details
12. Construction Details
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15. Planting Details
16. Wall Elevations

17. Wall Details Sheet
18. Electrical Plan
19. Electrical Notes and Diagrams



REV.	SHEETS	CITY ENGINEER	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEER'S STAMP & SIGNATURE		APPROVED	ENGINEER	DATE		
FOR PRICING ONLY						
		PROJECT # 721503			SHEET 1 OF 19	

☐ FINAL FOR CONSTRUCTION  
DATE:

Santa Barbara Park

PROJECT# 721503

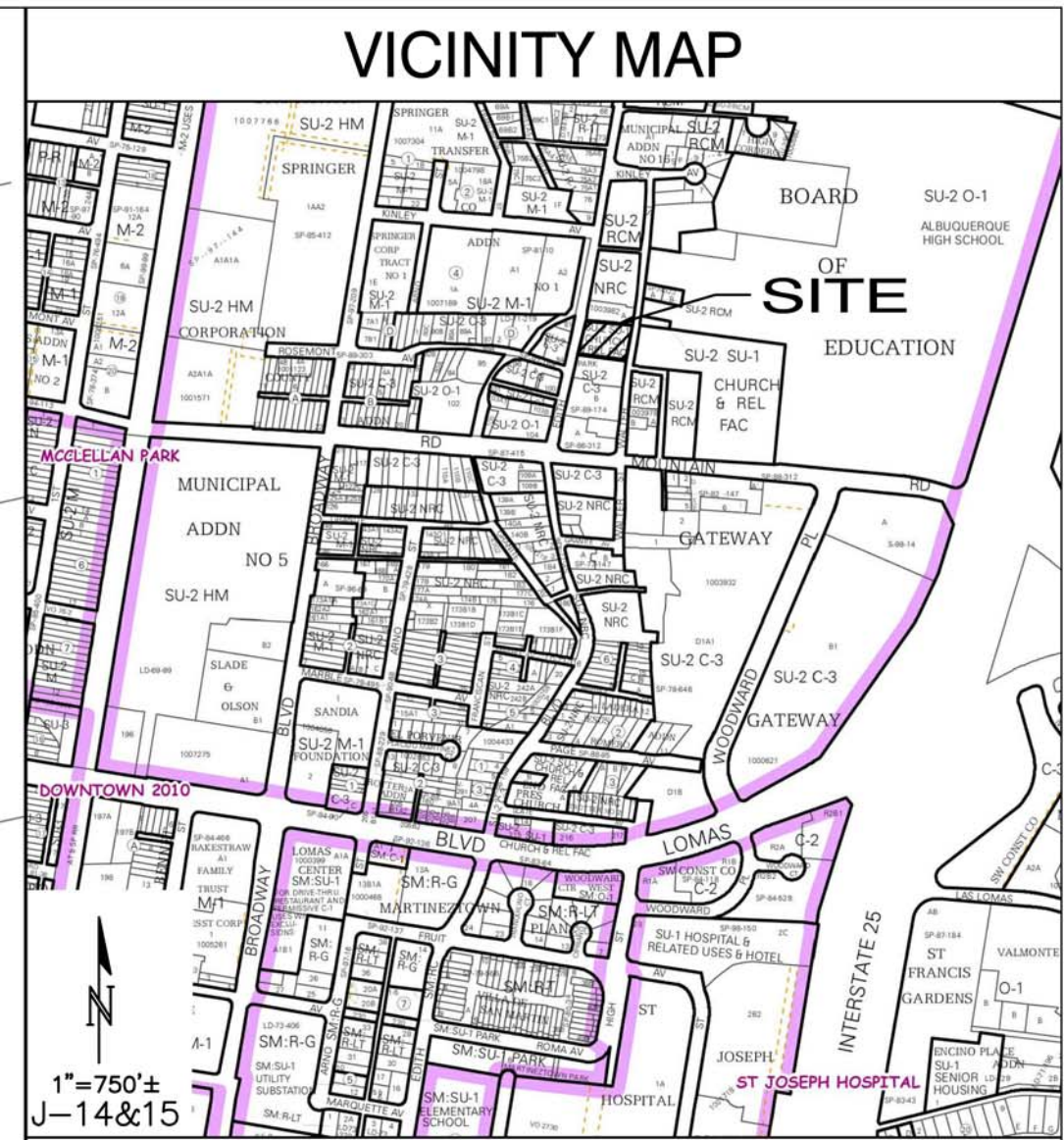
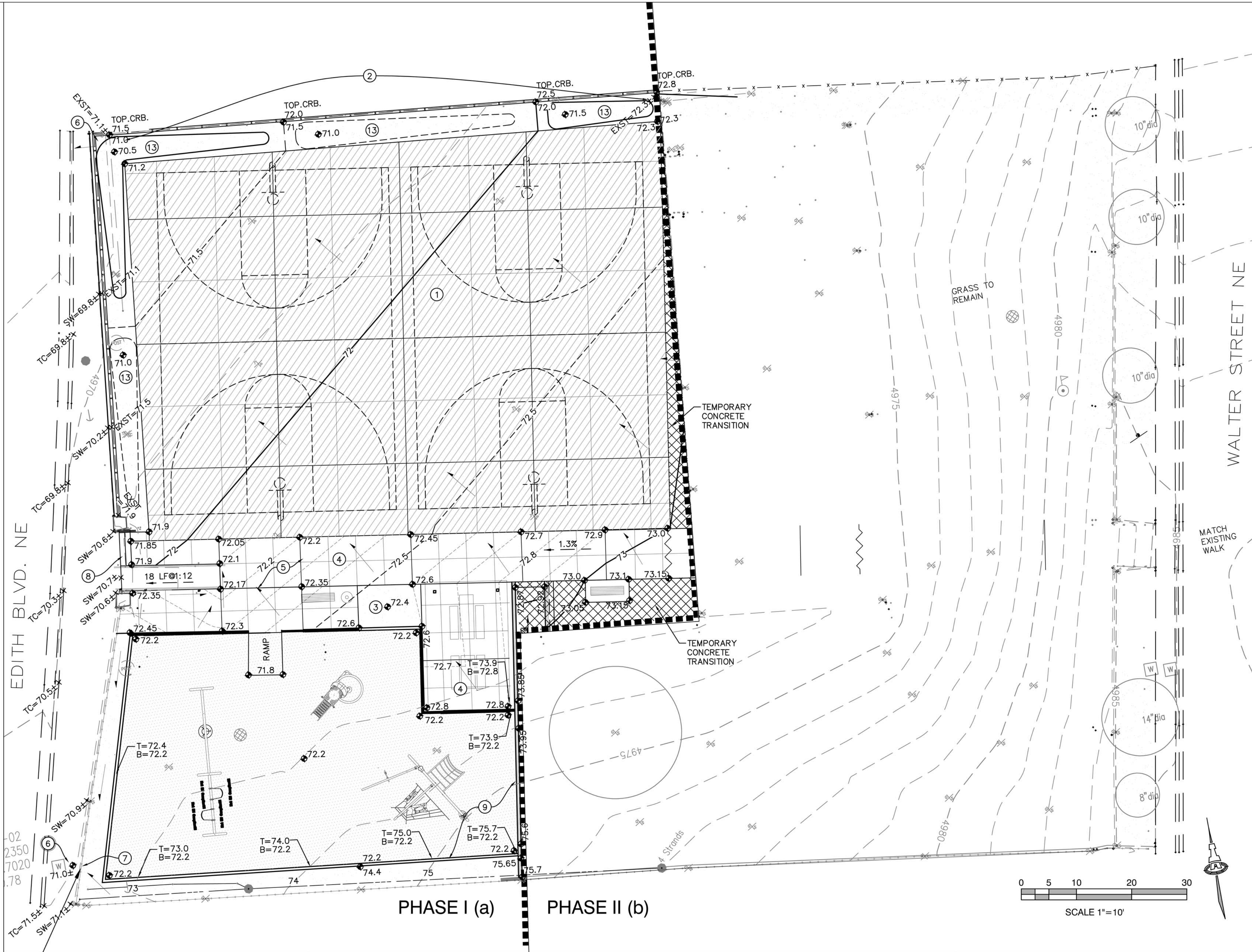
☐ RECORD DRAWINGS  
DATE:











**PROJECT DATA**

PROPERTY: THE SITE IS A FULLY DEVELOPED PUBLIC PARK PROPERTY LOCATED WITHIN C.O.A. VICINITY MAP J-15. THE PARK IS BOUND TO THE EAST BY WALTER STREET NE, TO THE WEST BY EDITH BLVD. AND TO THE NORTH AND SOUTH BY DEVELOPED RESIDENTIAL PROPERTIES.

PROPOSED IMPROVEMENTS: THE PROPOSED IMPROVEMENTS INCLUDE ADA ACCESSIBLE RAMPS AND VARIOUS IMPROVEMENTS TO PLAY AREAS, GRASS FIELDS, RETAINING WALL TRANSITIONS, PLAYGROUND AND PICNIC AREAS.

LEGAL: SANTA BARBARA PARK, ALBUQUERQUE, N.M.

BENCHMARK: "17-J14" A 3 1/4" ALUMINUM DISC SET FLUSH WITH THE TOP OF CONCRETE. PUBLISHED GRID COORDINATES (NAD 83 CENTRAL ZONE) N=,488,866.762, E=,1,519,149.317, ELEV.=4957.484 (NAVD 1988), LATITUDE 35°5'29.65906"N, LONGITUDE 106°39'19.40075"W (WGS 84)

OFF-SITE: NO OFF-SITE DRAINAGE AFFECTS THIS PROPERTY.

FLOOD HAZARD: PER BERNALILLO COUNTY FIRM MAP #35001C0332G, DATED SEPTEMBER 2008, THE SITE IS LOCATED WITHIN FLOODZONE 'X' (UNSHADED) DESIGNATED AS FLOOD INSURANCE RATE ZONES FOR AREAS OUTSIDE THE 0.2-PERCENT-ANNUAL-CHANCE FLOODPLAIN.

DRAINAGE PLAN CONCEPT:

THE SITE DEMOLITION AND NEW CONSTRUCTION WILL NOT SIGNIFICANTLY ALTER EXISTING DRAINAGE PATTERNS OR RATES. SITE DISCHARGE WILL CONTINUE TO PASS WEST TO EDITH BLVD.

PER A PRE-DESIGN MEETING WITH COA HYDROLOGY ENGINEER: CURTIS CHERNE P.E., A TEMPORARY ASPHALT CURB WILL BE INSTALLED ALONG THE NORTH EDGE OF THE EXISTING ASPHALT BASKETBALL PAVEMENT TO DEFLECT MINOR DISCHARGE TO EDITH BLVD. WHEN THIS PORTION OF THE PARK IS REDEVELOPED (PHASE II), A PERMANENT CURB WILL BE CONSTRUCTED. STORM WATER WILL CONTINUE TO DISCHARGE FORM THE SITE AS PER THE EXISTING RELEASE CHARACTERISTICS.

ENGINEER: ISAACSON & ARFMAN, P.A.  
128 MONROE ST NE, ABQ. NM 87108  
PHONE: (505) 268-8828

SURVEYOR: BOHANNAN HUSTON  
ROBERT LOCKMAN NMPS NO. 18331  
COURTYARD 1  
7500 JEFFERSON ST NE, ABQ. NM 87109

**WATER QUALITY REQUIREMENTS**

PER THE CITY OF ALBUQUERQUE DRAINAGE ORDINANCE, ALL NEW DEVELOPMENT PROJECTS SHALL MANAGE THE RUNOFF FROM PRECIPITATION WHICH OCCURS DURING THE 90TH PERCENTILE STORM EVENT - THE PRECIPITATION EVENT THAT IS LESS THAN OR EQUAL TO NINETY PERCENT OF ALL RAINFALL EVENTS IN A CALENDAR YEAR. THE ORDINANCE DEFINES THE 90TH PERCENTILE STORM EVENTS AS 0.44 INCHES AND THE REQUIRED STORAGE AS 0.34" [0.44" LESS 0.1" FOR INITIAL ABSTRACTION].

IN THE FULLY DEVELOPED CONDITION (FOLLOWING THE REMOVAL / REPLACEMENT OF THE EXISTING ASPHALT BASKETBALL COURTS - SEE SHEET CG-102), THE IMPERVIOUS AREA WILL BE 0.27 ACRES(±). THE REQUIRED STORMWATER RETENTION FOR THIS IMPERVIOUS AREA = 333 CF (BASED ON THE 0.34" REQUIREMENT).

- KEYED NOTES**
- FOR USE ON SHEETS CG-101 AND CG-102. NOT ALL NOTES ARE USED ON EACH SHEET.
- NEW CONCRETE PAVEMENT. SEE SITE PLAN FOR EXTENTS OF PHASE I PAVEMENT. PROVIDE TEMPORARY CONCRETE TRANSITION PAVEMENT BETWEEN EXISTING AND PROPOSED CONSTRUCT. COORDINATE WITH LANDSCAPE ARCHITECT IN FIELD.
  - CONSTRUCT 6" HIGH CONCRETE PINNED CURB PER C.O.A. STD. DWG. 2415-B (TYPE 1 PINNED CURB). SEE SITE PLAN FOR ADDITIONAL INFORMATION.
  - PROVIDE SHALLOW DEPRESSION (4" TO 6" DEEP) WITHIN LANDSCAPING TO CAPTURE STORM WATER FOR WATER HARVESTING.
  - CONSTRUCT NEW CONCRETE WALKS AT ELEVATIONS SHOWN. GRADEBREAKS INDICATES SLOPE CHANGES. SEE CONSTRUCTION PLAN SHEET 6 OF 19.
  - 0.1' CONTOURS SHOWN THIS AREA TO CLARIFY GRADING.
  - BASED ON PRE-DESIGN MEETING WITH CURTIS CHERNE (COA HYDROLOGY), DISCHARGE IS PERMITTED TO CONTINUE TO DRAIN ACROSS WALK TO EDITH BLVD.
  - EXISTING DRAINAGE OPENING. CONTRACTOR TO CLEAR ANY OBSTRUCTION TO DRAINAGE.
  - CONSTRUCT STAIRS TO ACHIEVE REQUIRED GRADE DIFFERENCE. SEE CONSTRUCTION PLAN SHEET 6 OF 19.
  - CONSTRUCT GARDEN / RETAINING WALLS TO ACHIEVE GRADE DIFFERENCE. SEE CONSTRUCTION PLAN SHEET 6 OF 19. TOP OF RETAINING (T=) AND BOTTOM OF RETAINING WALL (B=) ARE PROVIDED. SEE WALL AND STAIR ELEVATIONS (SHEET 16 OF 19) FOR ADDITIONAL HEIGHT / WALL / GUARDRAIL / DETAIL INFORMATION.
  - CONSTRUCT CONCRETE MOW CURB. SEE CONSTRUCTION PLAN SHEET 6 OF 19.
  - EXISTING TREE TO REMAIN. COORDINATE PROTECTION OF TREE WITH LANDSCAPE ARCHITECT.
  - EXISTING GRASS TO REMAIN IN AREAS  $\leq 6:1$  SLOPE. REGRADE IN AREAS  $> 6:1$ . COORDINATE WITH LANDSCAPE ARCHITECT.
  - GRADE LANDSCAPE AREAS ON THE NORTH AND WEST SIDES OF NEW PAVEMENT TO PROVIDE A SERIES OF SHALLOW (6" DEEP) WATER HARVESTING (WATER QUALITY RETENTION PONDS) TO CAPTURE STORM WATER FROM IMPERVIOUS PAVEMENT. EXCESS FLOW WILL CONTINUE TO OVERFLOW AT THE NORTHWEST CORNER TO FOLLOW THE HISTORIC FLOWPATH.

- LEGEND**
- 4975 — EXISTING CONTOUR (1' INCREMENTS)
  - 74 — PROPOSED 1' CONTOUR
  - - - 72.2 - - - PROPOSED 0.1' CONTOUR
  - S=7.8% PROPOSED SLOPE
  - ~~~~~ PROPOSED SLOPE TRANSITION
  - T=HIGH SIDE GRADE
  - B=LOW SIDE GRADE
  - XXXXXX TEMPORARY PHASE TRANSITION PAVEMENT



**FOR PRICING ONLY**

**ISAACSON & ARFMAN, P.A.**  
Consulting Engineering Associates  
128 Monroe Street N.E.  
Albuquerque, New Mexico 87108  
Ph. 505-268-8828 www.isaacson.com

2081 CG-101.dwg Jul 08,2015

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**SANTA BARBARA PARK**  
MRWM

**GRADING & DRAINAGE - PHASE I**

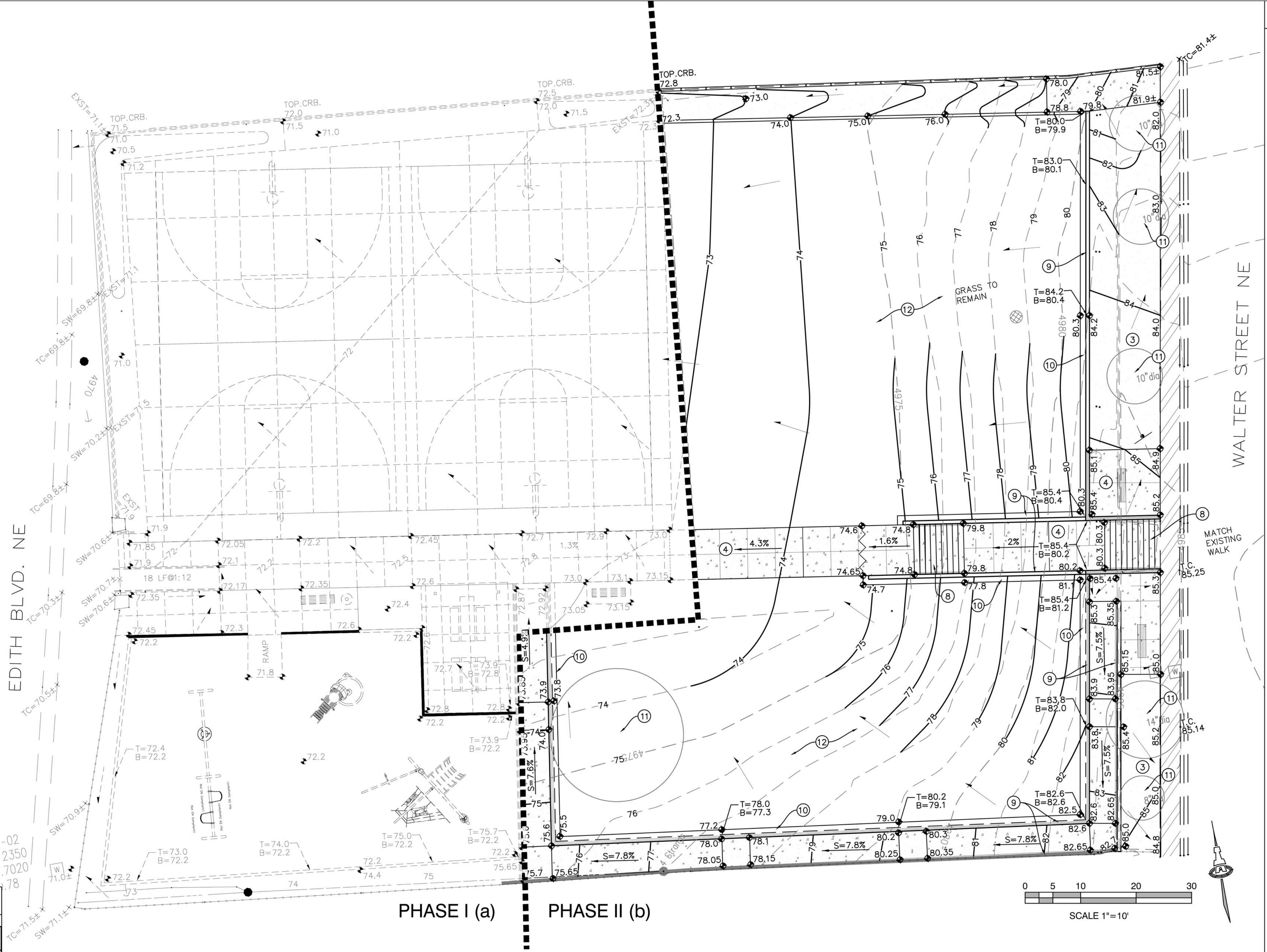
Date: 07/16/15	No. Revision:	Date:	Job No. 2081
Drawn By: BJB			CG-101
Ckd By: FCA			SH. 4 OF 19



GENERAL NOTES

- A. ALL WORK DETAILED ON THESE PLANS AND PERFORMED UNDER THIS CONTRACT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT GEOTECHNICAL REPORT. WHERE APPLICABLE, CITY OF ALBUQUERQUE STANDARDS APPLY.
- B. THE CONTRACTOR SHALL ABIDE BY ALL STATE, LOCAL, AND FEDERAL LAWS, CODES, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS, INCLUDING EPA AND ADA REQUIREMENTS.
- C. ALL SUBGRADE, OVEREXCAVATION, BACKFILL, AND FILL SHALL BE PLACED AND / OR COMPACTED PER THE GEOTECHNICAL REPORT AND CITY OF ALBUQUERQUE SPECIFICATIONS.
- D. COORDINATE WORK WITH SITE, DEMOLITION AND LANDSCAPE PLANS.
- E. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING OBSTRUCTIONS, AND CONDITION OF ALL EXISTING INFRASTRUCTURE PRIOR TO CONSTRUCTION. REPORT ALL DISCREPANCIES TO THE ARCHITECT AND VERIFY THE ARCHITECT 'S INTENT BEFORE PROCEEDING.
- F. CONTRACTOR SHALL OBTAIN ALL REQUIRED INSPECTIONS OF THE WORK.
- G. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. ANY DAMAGE TO ADJACENT STRUCTURES RESULTING FROM THE CONSTRUCTION PROCESS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE. CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
- H. CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS. EQUIPMENT SHALL ONLY OBSTRUCT DESIGNATED TRAFFIC LANES IF APPROPRIATE BARRICADING PERMITS HAVE BEEN OBTAINED.
- I. THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION TRAFFIC CONTROL AND SIGNING PLAN THAT CONFORMS TO THE LATEST EDITION OF THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) AND LOCAL REQUIREMENTS. THE CONTRACTOR SHALL OBTAIN BARRICADING PERMITS FROM THE APPROPRIATE AUTHORITIES PRIOR TO ANY CONSTRUCTION WORK ON OR ADJACENT TO EXISTING STREETS.
- J. THE CONTRACTOR SHALL MAINTAIN ALL BARRICADING AND CONSTRUCTION SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADING AT THE END AND BEGINNING OF EACH DAY.
- K. ALL TRASH, DEBRIS, & SURFACE VEGETATION SHALL BE CLEARED AND LEGALLY DISPOSED OF OFFSITE.
- L. PROPOSED SPOT AND CONTOUR ELEVATIONS SHOWN REPRESENT TOP OF FINISH MATERIAL (I.E. TOP OF CONCRETE, TOP OF CONCRETE BUILDING PAD, TOP OF PAVEMENT MATERIAL, TOP OF LANDSCAPING MATERIAL, ETC.). CONTRACTOR SHALL GRADE, COMPACT SUBGRADE AND DETERMINE EARTHWORK ESTIMATES BASED ON ELEVATIONS SHOWN MINUS FINISH MATERIAL THICKNESSES.
- M. IF FIELD GRADE ADJUSTMENTS ARE REQUIRED, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT.
- N. EXISTING UTILITY LINES ARE SHOWN IN AN APPROXIMATE MANNER ONLY AND MAY BE INCOMPLETE OR OBSOLETE. SUCH LINES MAY OR MAY NOT EXIST WHERE SHOWN OR NOT SHOWN. CONTRACTOR SHALL CONTACT NM-811 FOR UTILITY LINE SPOTS TWO WORKING DAYS PRIOR TO CONDUCTING SITE FIELD WORK. CONTRACTOR SHALL FIELD VERIFY AND LOCATE ALL UTILITIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF NECESSARY DRY UTILITY ADJUSTMENTS.
- O. SOIL TESTING AND INSPECTION SERVICES DURING EARTHWORK OPERATIONS ARE REQUIRED. CONTRACTOR SHALL ALLOW TESTING LABS TO INSPECT AND APPROVE COMPACTED SUBGRADES, BACKFILL, AND FILL LAYERS BEFORE FURTHER CONSTRUCTION WORK IS DONE. SHOULD COMPACTION TESTS INDICATE INADEQUATE DENSITY, CONTRACTOR SHALL PROVIDE ADDITIONAL COMPACTION AND TESTING AT THE CONTRACTOR'S SOLE EXPENSE.
- P. CONTRACTOR SHALL PROVIDE ALL CONSTRUCTION STAKING. CONTRACTOR SHALL LOCATE AND PRESERVE ALL BOUNDARY CORNERS AND REPLACE ANY LOST OR DISTURBED CORNERS AT CONTRACTOR'S SOLE EXPENSE. PROPERTY CORNERS SHALL ONLY BE RESET BY A REGISTERED LAND SURVEYOR.
- Q. A CURRENT STORMWATER CONTROL PERMIT, INCLUDING AN EROSION SEDIMENT CONTROL PLAN (E.S.C.) FOR EROSION AND SEDIMENT CONTROL IS REQUIRED FOR ALL CONSTRUCTION, DEMOLITION, CLEARING, AND GRADING OPERATIONS THAT DISTURB THE SOIL ON ONE ACRE OR MORE OF LAND. OWNER WILL COORDINATE.
- R. POST-CONSTRUCTION MAINTENANCE FOR PRIVATE STORMWATER FACILITIES WILL BE THE RESPONSIBILITY OF THE FACILITIES OWNER. PERIODIC INSPECTION AND CERTIFICATIONS OF THE FACILITIES MAY BE REQUIRED BY THE CITY ENGINEER.
- Y. IF THE SITE IS SMALL ENOUGH NOT TO REQUIRE A SWPPP/NPDES PERMIT (LESS THAN ONE ACRE), THE CONTRACTOR SHALL STILL BE RESPONSIBLE FOR USING EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMP'S) TO ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO ADJACENT PUBLIC RIGHT-OF-WAY.
- Z. ADJUST ANY RIMS OF EXISTING UTILITY FEATURES AS NECESSARY TO MATCH NEW GRADES. UTILITIES IN PAVED AREAS SHALL BE HS-25 TRAFFIC RATED.
- AA. WHERE GRADES BETWEEN NEW AND EXISTING ARE SHOWN AS 'MATCH' OR '±', TRANSITIONS SHALL BE SMOOTH.
- AB. ENGINEER RECOMMENDS THAT OWNER INSPECT SITE YEARLY AND AFTER EACH RAINFALL TO IDENTIFY AREAS OF EROSION AND INSTALL EROSION PROTECTION AS NEEDED BASED ON ACTUAL OCCURRENCES.
- AC. MEASURES REQUIRED FOR EROSION AND SEDIMENT CONTROL SHALL BE INCIDENTAL TO THE PROJECT COST.

CALCULATIONS			
CALCULATIONS: SANTA BARBARA PARK : 12/22/14			
Based on Drainage Design Criteria for City of Albuquerque Section 22.2, DPM, Vol 2, dated Jan., 1993			
ON-SITE CALCULATIONS: 100-YEAR, 6-HOUR STORM			
AREA OF SITE	26770 SF	=	0.6
HISTORIC FLOWS:			
	Treatment S <sub>i</sub>	%	
Area A	= 0	0%	
Area B	= 16329.7	61%	
Area C	= 0	0%	
Area D	= 10440.3	39%	
Total Area	= 26770	100%	
DEVELOPED FLOWS:			
	Treatment S <sub>i</sub>	%	EXCESS PRECIP:
Area A	= 0	0%	Precip. Zone 2
Area B	= 14456	54%	E <sub>A</sub> = 0.53
Area C	= 0	0%	E <sub>B</sub> = 0.78
Area D	= 12314	46%	E <sub>C</sub> = 1.13
Total Area	= 26770	100%	E <sub>D</sub> = 2.12
On-Site Weighted Excess Precipitation (100-Year, 6-Hour Storm)			
Weighted E = $\frac{E_A A_A + E_B A_B + E_C A_C + E_D A_D}{A_A + A_B + A_C + A_D}$			
Historic	= 1.30 in.	Developed E	= 1.40 in.
On-Site Volume of Runoff: V <sub>360</sub> = $E^* A / 12$			
Historic V	= 2906 CF	Developed V <sub>36</sub>	= 3115 CF
On-Site Peak Discharge Rate: Q <sub>p</sub> = Q <sub>ps</sub> A <sub>A</sub> + Q <sub>ps</sub> A <sub>B</sub> + Q <sub>ps</sub> A <sub>C</sub> + Q <sub>ps</sub> A <sub>D</sub> / 43,566			
For Precipitation Z <sub>o</sub> 2			
Q <sub>ps</sub>	= 1.56	Q <sub>ps</sub>	= 3.14
Q <sub>ps</sub>	= 2.28	Q <sub>ps</sub>	= 4.70
Historic C	= 2.0 CFS	Developed Q <sub>p</sub>	= 2.1 CFS



WATER QUALITY PONDING			
WATER QUALITY RETENTION PONDING WILL BE PROVIDED WITHIN THE SITE LANDSCAPING TO INCLUDE THE GRASS AREAS, SELF-PONDING PLAYGROUNDS AND A SERIES OF DEPRESSED LANDSCAPING (6" DEPTH) ON THE NORTH AND WEST SIDES OF THE NEW BASKETBALL COURT PAVEMENT.			
BASED ON AN OVERALL PERVIOUS AREA CONSISTING OF 61% OF THE FULLY DEVELOPED SITE (16,330 SF), THE REQUIRED VOLUME OF 333 CF REPRESENTS AN AVERAGE DEPTH OF 0.02' OR 1/4".			

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LEGEND	
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— 74 —	PROPOSED 1' CONTOUR
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S=7.8%	PROPOSED SLOPE
~~~~~	PROPOSED SLOPE TRANSITION
T=HIGH SIDE GRADE	
B=LOW SIDE GRADE	

FOR PRICING ONLY

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2081 CG-101.dwg Jul 08,2015

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SANTA BARBARA PARK

MRWM

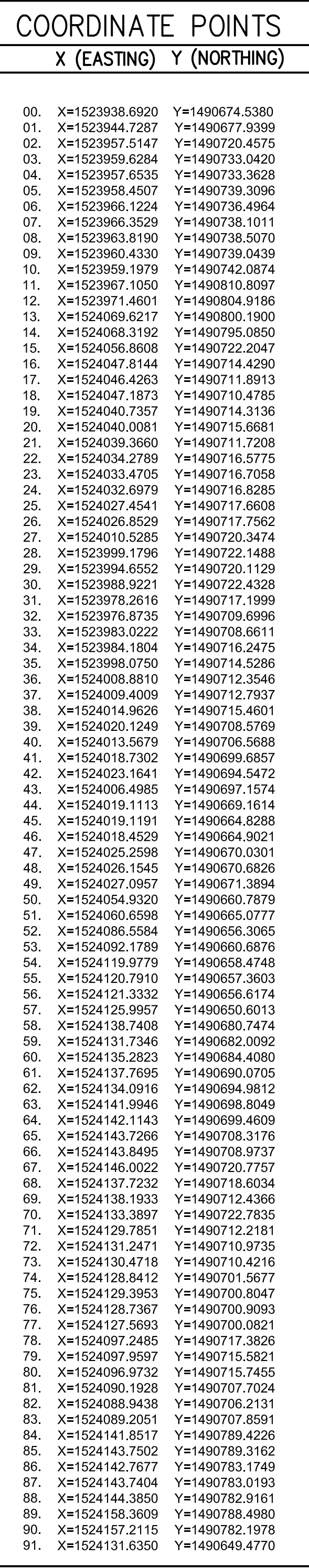
GRADING & DRAINAGE - PHASE II

No.	Revision:	Date:	Job No.
07/16/15			2081
Drawn By:			CG-102
BJB			
FCA			SH. 5 OF 19



RECORD DRAWINGS  
DATE:





**MRWM**

**LANDSCAPE ARCHITECTS**  
Morrow Reardon Wilkinson Miller, Ltd.

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[mrwmlla.com](http://mrwmlla.com) 505 268 2266

 CITY OF ALBUQUERQUE  
STRATEGIC PLANNING AND DESIGN  
PARKS AND RECREATION DEPARTMENT

# SANTA BARBARA PARK RENOVATION LAYOUT PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
City Project No. 721503		Zone Map No. J-14	Sheet 7	Of 19

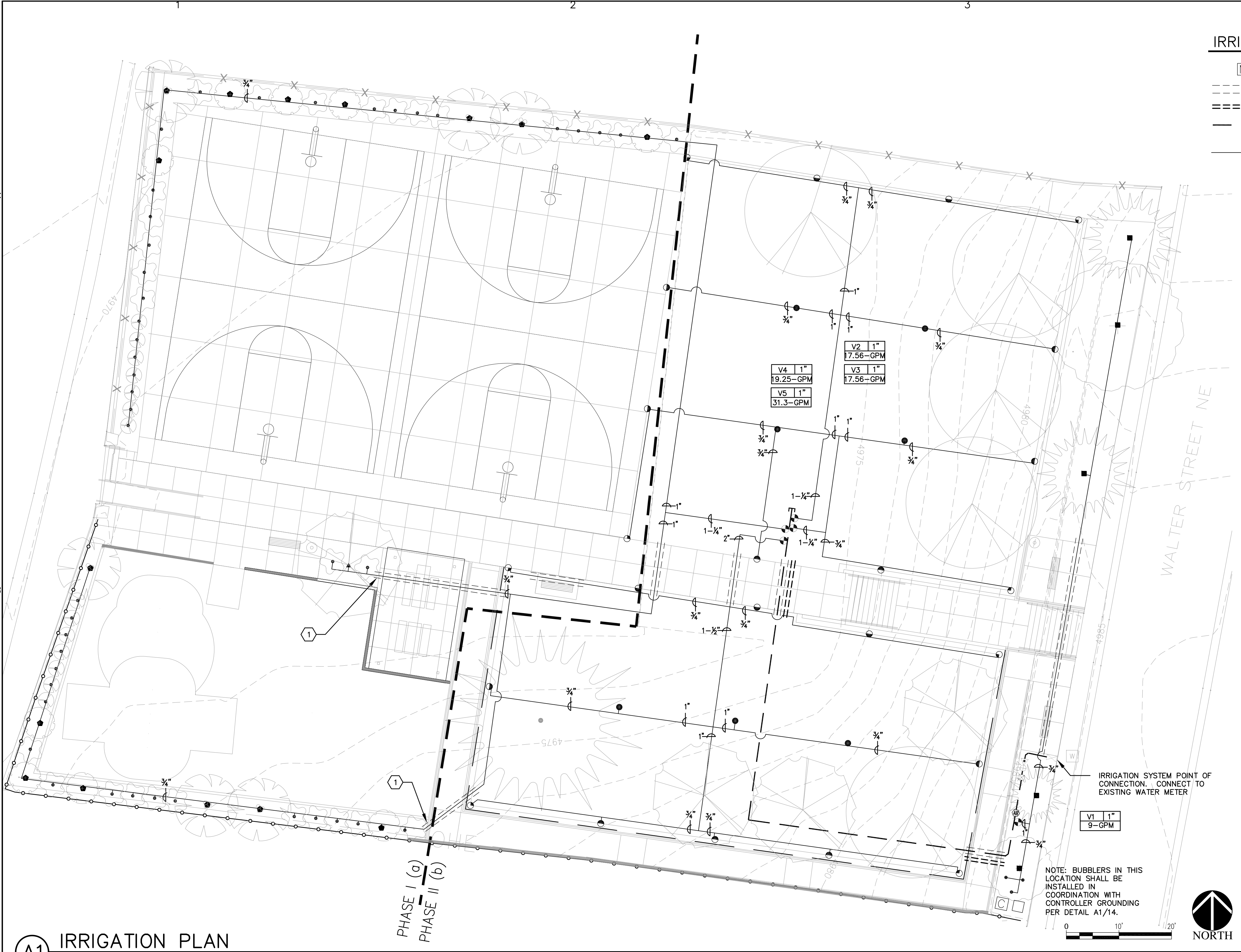
FINAL FOR CONSTRUCTION  
DATE:

# SANTA BARBARA PARK RENOVATION

PROJECT# 721503

RECORD DRAWINGS  
DATE:





IRRIGATION LEGEND

- EXISTING WATER METER.
- MAIN LINE AND LATERAL SLEEVE PIPING, CLASS 200, SDR-21, BELL-END, SOLVENT WELD PVC, SEE NOTE NO. 2 BELOW.
- 24-VOLT IRRIGATION WIRE SLEEVE PIPING, CLASS 200, SDR-21, BELL-END, SOLVENT WELD PVC, SEE NOTE NO. 2 BELOW.
- IRRIGATION MAIN LINE, SCH. 40, BELL END, SOLVENT WELD PVC, SIZE 2". DEPTH OF BURY 28" FOR CONTINUOUS PRESSURE LINES, 18" FOR NON-CONTINUOUS PRESSURE LINES.
- LATERAL PIPING, SCH. 40, BELL END, SOLVENT WELD PVC. SIZE AS SHOWN ON PLAN. DEPTH OF BURY, 18". PIPE CONVEYING LESS THAN 5 GPM SHALL BE 3/4".

- MAINLINE ISOLATION VALVE, SIZE: 2". SEE COA STD DWG 2707.
- BACKFLOW PREVENTER, AND MASTER VALVE ASSEMBLY, FEBCO 825YA, 2" REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER IN HOT BOX MODEL NO. HB2 HEATED AND INSULATED BACKFLOW ENCLOSURE AND RAINBIRD 200 PEB PLASTIC-BODY 24-VOLT MASTER VALVE IN TAN VALVE BOX WITH TAN LID. INSTALL PER DETAIL A2/13.
- FLOW METER SHALL BE A PVC RAINBIRD FS SERIES FLOW SENSOR, SIZE 2" IN TAN VALVE BOX WITH TAN LID. INSTALL PER DETAIL A2/13. CONNECT FLOW METER TO CONTROLLER PER MANUFACTURER'S SPECIFICATIONS.
- REMOTE CONTROL VALVE ASSEMBLY, RAINBIRD 200 PESB PLASTIC BODY 24-VOLT AUTOMATIC VALVE, SIZE AS SHOWN ON PLAN. FOR VALVES IN TURF, VALVE BOX SHALL BE GREEN WITH GREEN LID. FOR VALVES IN GRAVEL MULCH, VALVE BOX SHALL BE TAN WITH TAN LID. SEE COA DWG. 2703
- AIR RELEASE VALVE ASSEMBLY, RAINBIRD AR, SIZE 1" IN TAN BOX WITH TAN LID. REFERENCE DETAIL B4/13. SEE IRRIGATION NOTE NO. 8.
- SOLVENT WELD CAP, SCH. 40 PVC, LINE SIZE.

PRESSURE COMPENSATING BUBBLER ASSEMBLIES, RAIN BIRD 1400 SERIES, AS FOLLOWS: SEE COA DWG. 2710 AND 2711 AND DETAILS A1, B1, B2, C1, AND C2, SHEET 13.

MODEL NO.	GPM	PSI	
1401	.25	30	
1401 (2 PER SHRUB)	.5	30	REFERENCE DETAILS B1/13 AND B2/13
1401 (3 PER TREE)	.75	30	REFERENCE DETAIL C1/13 AND C2/13

BUBBLER AND ROOT WATERING SYSTEM ASSEMBLY, RAIN BIRD 1400 SERIES PRESSURE COMPENSATING BUBBLERS AND RAIN BIRD RWS ROOT WATERING TUBES. MODEL NO AS FOLLOWS: (OR APPROVED EQUAL) INSTALL ROOT WATERING SYSTEM PER MANUFACTURER'S INSTRUCTIONS. SEE DETAIL A2/14. FOR BUBBLER LAYOUT AT TREES, SEE DETAIL C1/13.

MODEL NO.	GPM	PSI	
1402 (3 PER TREE)	1.5	30	REFERENCE DETAILS A2/14 AND C1/13

HUNTER ROTOR ASSEMBLIES, HUNTER I-20 MPR-25 RED NOZZLE SERIES ON 6" STAINLESS STEEL POP UP. (INSTALL PER COA STD DWG 2709):

MODEL NO.	RADIUS	GPM	PSI	PR
I-20-06-SS-MPR-25	25'	1.00	45	.62
I-20-06-SS-MPR-25	25'	1.98	45	.61
I-20-06-SS-MPR-25	25'	3.82	45	.59

- IRRIGATION CONTROLLER ON PEDESTAL, RAINBIRD ESPLXMEF 12 STATION CONTROLLER WITH GPRS CARTRIDGE # 1036-USA. AVAILABLE FROM RAINBIRD. (877) 727-8772. INSTALL CONTROLLER IN STRONGBOX ENCLOSURE (COLOR: TAN) PER DETAIL C1/14 AND C2/14. INSTALL GROUNDING RODS AT CONTROLLER PER DETAIL A1/14. CONTRACTOR SHALL TEST GROUNDING OF CONTROLLER PER MANUFACTURER'S SPECIFICATIONS AND SHALL PROVIDE TEST RESULTS IN WRITING TO THE OWNER.

PHASING NOTE

- COMPLETE IRRIGATION SYSTEM SHALL BE INSTALLED IN PH II. CERTAIN LATERAL SLEEVES SHALL BE INSTALLED IN PH I FOR EASE OF FUTURE IRRIGATION INSTALLATION. SEE PLAN AND KEYNOTE #1.

IRRIGATION KEYED NOTES

- LATERAL SLEEVE TO BE INSTALLED IN PH I, SEE IRRIGATION NOTE #10.

IRRIGATION NOTES

- CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO CONSTRUCT PROPOSED IRRIGATION SYSTEM IN ACCORDANCE WITH PLANS, WRITTEN SPECIFICATIONS AND DETAILS.
- CONTRACTOR SHALL INSTALL MAIN LINE, LATERALS, AND WIRE IN SLEEVE PIPING AT ALL LOCATIONS WHERE MAIN LINE, LATERALS AND WIRE CROSS BENEATH PAVING OR RETAINING WALLS. SLEEVES SHALL BE LOCATED A MIN. OF 6" BELOW WALL FOOTINGS AND EXTEND A MIN. 6" BEYOND EACH EDGE OF FOOTINGS. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF SLEEVE PIPING WITH ALL TRADES TO INSURE THAT SLEEVES ARE INSTALLED PROPERLY PRIOR TO INSTALLATION OF CURB AND GUTTER, ASPHALT PAVING, SIDEWALKS, CONCRETE PADS, ETC.
- THIS SYSTEM WAS DESIGNED AT A MINIMUM STATIC PRESSURE OF 60 PSI AT THE POINT OF CONNECTION. CONTRACTOR SHALL VERIFY ACTUAL PSI AND DELIVER RESULTS TO LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. IN THE EVENT THE ACTUAL PSI AT THE POINT OF CONNECTION IS LESS THAN 60 PSI THE CONTRACTOR SHALL RECEIVE DIRECTION FROM LANDSCAPE ARCHITECT REGARDING DESIGN MODIFICATIONS IF NECESSARY.
- PIPE ROUTING IS SHOWN DIAGRAMMATICALLY. PIPE SHALL BE ROUTED TO ACHIEVE MINIMUM 10' CLEARANCE FROM THE TRUNK OF A TREE. IRRIGATION EQUIPMENT SHALL BE IN LANDSCAPE AREAS. PIPE ROUTING SHALL BE REVIEWED WITH THE LANDSCAPE ARCHITECT PRIOR TO TRENCHING.
- IN NO CASE SHALL AN IRRIGATION VALVE BE LOCATED WITHIN 12' OF A NEW TREE TRUNK.
- ALL 90 DEGREE ANGLES OF LATERAL PIPE SIZED 2" AND LARGER AND MAIN LINE PIPE AS SHOWN ON THE PLAN SHALL BE FITTED WITH TWO 45 DEGREE FITTINGS.
- ALL TRENCHING UNDER THE DRIP LINE OF AN EXISTING TREE TO REMAIN SHALL BE DONE BY HAND OR WITH AN AIR KNIFE TRENCHER. NO ROOTS LARGER THAN 1" DIAMETER SHALL BE CUT. SEE TREE PROTECTION NOTES, SHEET 3.
- AIR RELEASE VALVE LOCATION SHOWN SCHEMATICALLY ON THE PLAN AT THE HIGH POINT IN ELEVATION ON THE IRRIGATION MAIN LINE. CONTRACTOR SHALL SURVEY FINAL LOCATION OF AIR RELEASE VALVE PRIOR TO INSTALLATION TO ENSURE THAT VALVE IS LOCATED AT AN ACTUAL HIGH POINT.
- IN AREAS WHERE IRRIGATION OR ELECTRICAL TRENCHES CUT THROUGH EXISTING TURF TO REMAIN, THE TRENCHED AREA AND SURROUNDING AREA DISTURBED BY SPOILS FROM TRENCHING SHALL BE REPAIRED WITH PARK BLEND SOD. REFERENCE PLANTING PLAN.



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SANTA BARBARA PARK RENOVATION  
IRRIGATION PLAN

Design Review Committee

City Engineer Approval

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City Project No.

721503

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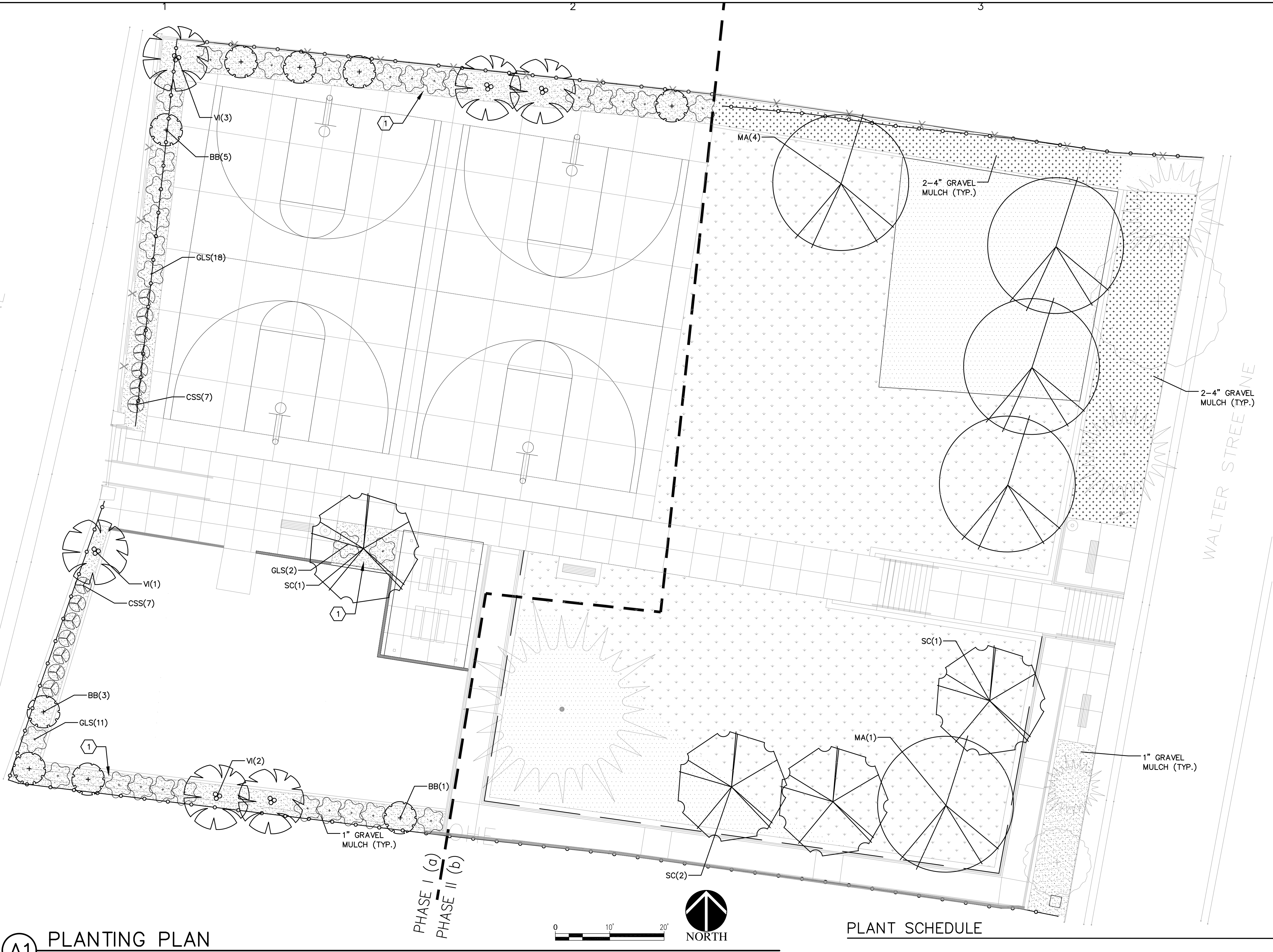
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**A1** PLANTING PLAN  
1"=10'-0"

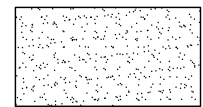
PLANT SCHEDULE

KEY	COMMON NAME	BOTANICAL NAME	QUANTITY	INSTALLED	SIZE	MATURE SIZE	REMARKS
<b>TREES</b>							
MA	Modesto Ash	Fraxinus velutina 'Modesto'	5	2" cal., 12'-14'ht.	35' ht. & 25' spd.	B&B	
SC	Spring Snow Crabapple	Malus 'Spring Snow'	4	2" cal., 10'-12'ht.	20' ht. & spd.	B&B	
<b>VERTICAL SHRUBS</b>							
VI	Vitex	Vitex agnus-castus	6	4'-6' ht.	15' ht. & 12' spd.	15 gal.	
BB	Butterfly Bush	Buddleia davidii	9	Min. 18" ht.	6' ht. & 6' spd.	5 gal.	
<b>SHRUBS/ORNAMENTAL GRASSES</b>							
GLS	Gro-Lo Sumac	Rhus aromatica	31	Min. 12" ht.	18" ht. & 5' spd.	5 gal.	
CSS	Creeping Sand Cherry	Prunus besseyi	14	Min. 18" ht.	5' ht. & 5' spd.	5 gal.	
<b>TURF</b>							
	Park Blend	Poa pratensis Festuca eliator Lolium perenne	6,850	SF		Sod	
	Existing turf to remain						

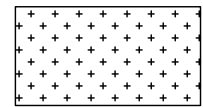
PLANTING NOTES

- IN CASE OF DISCREPANCY IN PLANT QUANTITIES SHOWN ON THE PLANT LIST AND THOSE SHOWN ON THE PLANTING PLAN, THE QUANTITIES SHOWN ON THE PLAN SHALL GOVERN. CONTRACTOR SHALL VERIFY ALL QUANTITIES PRIOR TO BID AND INSTALLATION. NO ADDITIONAL PAYMENT WILL BE MADE FOR ANY DISCREPANCIES IN QUANTITIES BETWEEN THE PLANTING PLAN AND THE PLANT LIST.
- FILTER FABRIC SHALL BE INSTALLED UNDER ALL PLANTING AREAS SPECIFIED TO RECEIVE GRAVEL MULCH. FILTER FABRIC SHALL BE MIN. 4 OZ. NON-WOVEN NEEDLE PUNCHED POLYPROPYLENE (MIRAFI OR EQUIVALENT) UNLESS OTHERWISE NOTED. OVERLAP ENDS 3", TURN DOWN EDGES 6". ON SLOPES, UPHILL FABRIC SHALL OVERLAP DOWNHILL FABRIC.
- IF THERE IS A DISCREPANCY IN THE FIELD OR NURSERY BETWEEN THE CONTAINER SIZE CALLED OUT UNDER "CONDITION" AND HEIGHT, SPREAD, AND CALIPER CALLED OUT UNDER "INSTALLED SIZE", THE SPECIFIED PLANT MUST MEET HEIGHT, SPREAD, AND CALIPER REQUIREMENTS SPECIFIED UNDER "INSTALLED SIZE", EVEN IF THE LARGER CONTAINER SIZE IS REQUIRED TO MEET THESE SPECIFICATIONS, AT NO ADDITIONAL COST TO THE OWNER.
- TREES AND SHRUBS SHALL BE PLANTED PER COA STD. DWG. 2714 AND 2717, AND DETAILS A1/15 AND B1/15. TREES AND SHRUBS ON SLOPES GREATER THAN 10:1 SHALL BE PLANTED PER DETAILS A2/15 AND B2/15.
- AT TREES IN TURF, CONTRACTOR SHALL INSTALL A 8' DIA. RING OF 3"-4" DECORATIVE CHIPPED BARK MULCH AT THE BASE OF THE TREE, HOLD MULCH BACK 2" FROM TRUNK.
- ALL LANDSCAPE MATERIAL INSTALLATION WORK SHALL BE PERFORMED DURING PH II. GRAVEL MULCH IN CERTAIN AREAS SHALL BE INSTALLED IN PH I. SEE PLAN AND KEYED NOTE #1.

MULCH LEGEND



4" DEPTH OF 1" 'BUILDOLOGY BROWN' CRUSHED GRAVEL MULCH (OR APPROVED EQUAL), WITH FILTER FABRIC UNDER, AVAILABLE FROM BUILDOLOGY. CONTRACTOR SHALL SUBMIT SAMPLE TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION. SEE PLANTING NOTE 2.



4" DEPTH OF 2-4" 'BUILDOLOGY BROWN' CRUSHED GRAVEL MULCH (OR APPROVED EQUAL), WITH FILTER FABRIC UNDER, AVAILABLE FROM BUILDOLOGY. CONTRACTOR SHALL SUBMIT SAMPLE TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION. SEE PLANTING NOTE 2.

PHASING NOTE

- ALL LANDSCAPE MATERIAL INSTALLATION WORK SHALL BE PERFORMED DURING PH II. GRAVEL MULCH IN CERTAIN AREAS SHALL BE INSTALLED IN PH I. SEE PLAN AND KEYED NOTE #1.



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SANTA BARBARA PARK RENOVATION  
PLANTING PLAN

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RECORDED BY	NO.

BENCH MARKS	
NO.	DATE

SURVEY INFORMATION	
FIELD NOTES	DATE
NO.	DATE

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REVISIONS	
NO.	DATE
REMARKS	
NO.	DATE
BY	DATE

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DATE 7/21/2014  
DRAWN BY BV  
DATE 7/21/2014  
CHECKED BY BV  
DATE 7/21/2014

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DATE:

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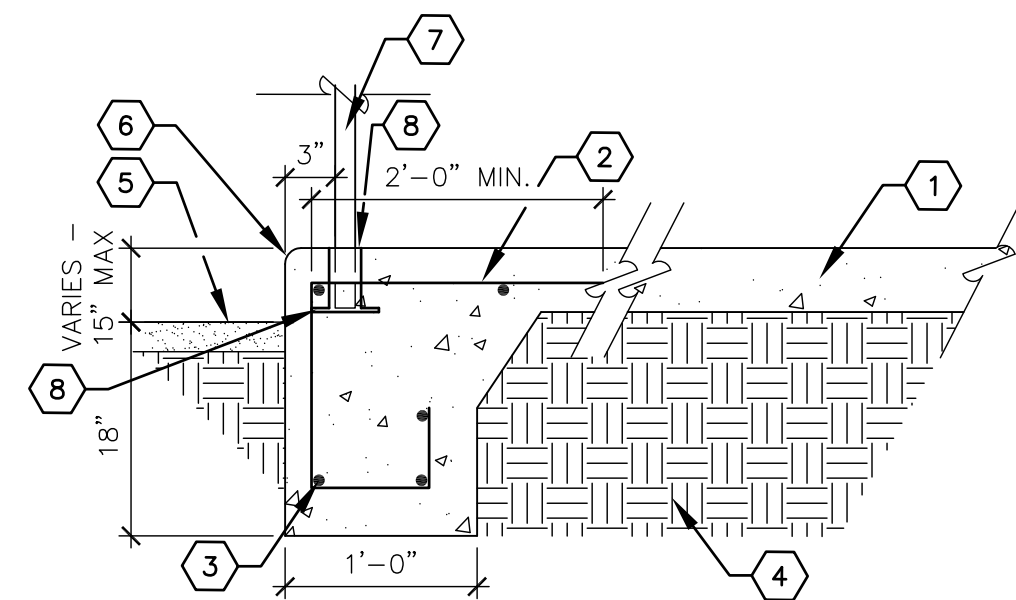
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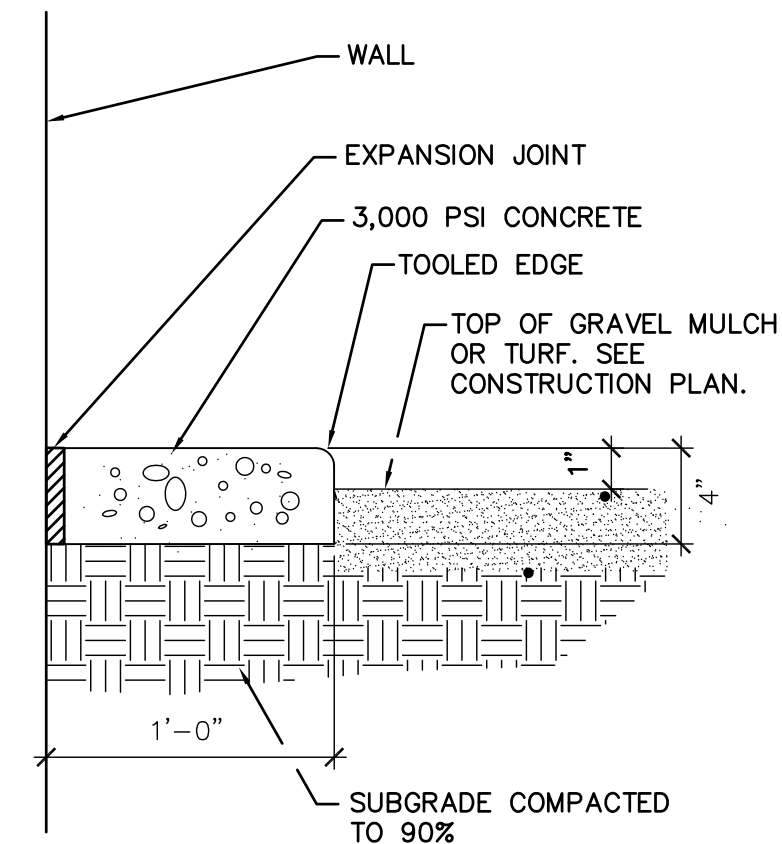




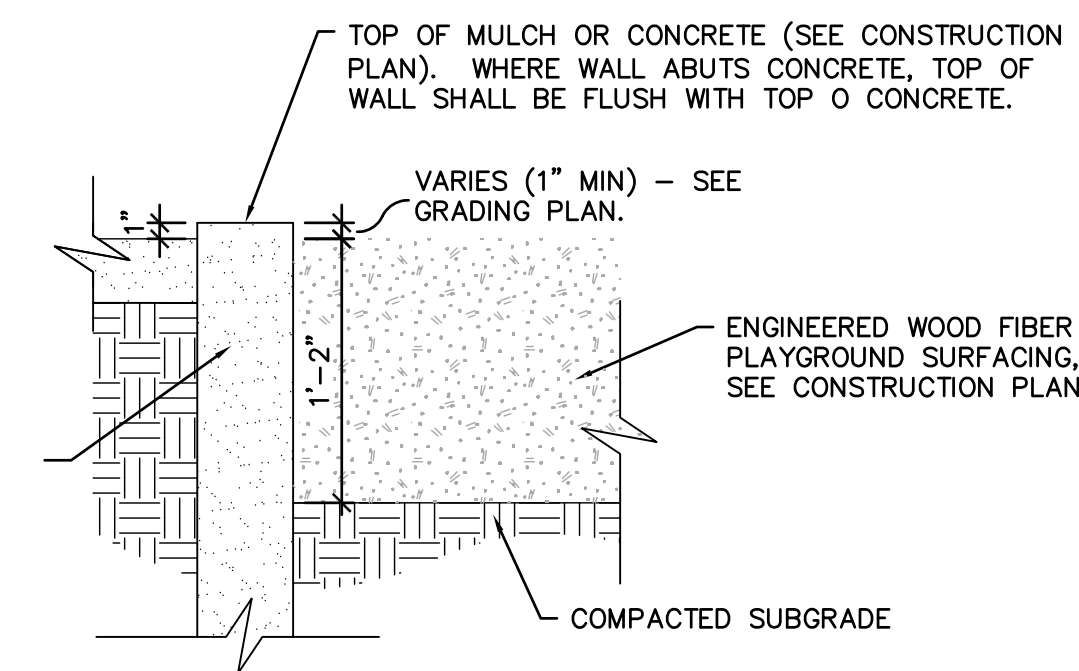




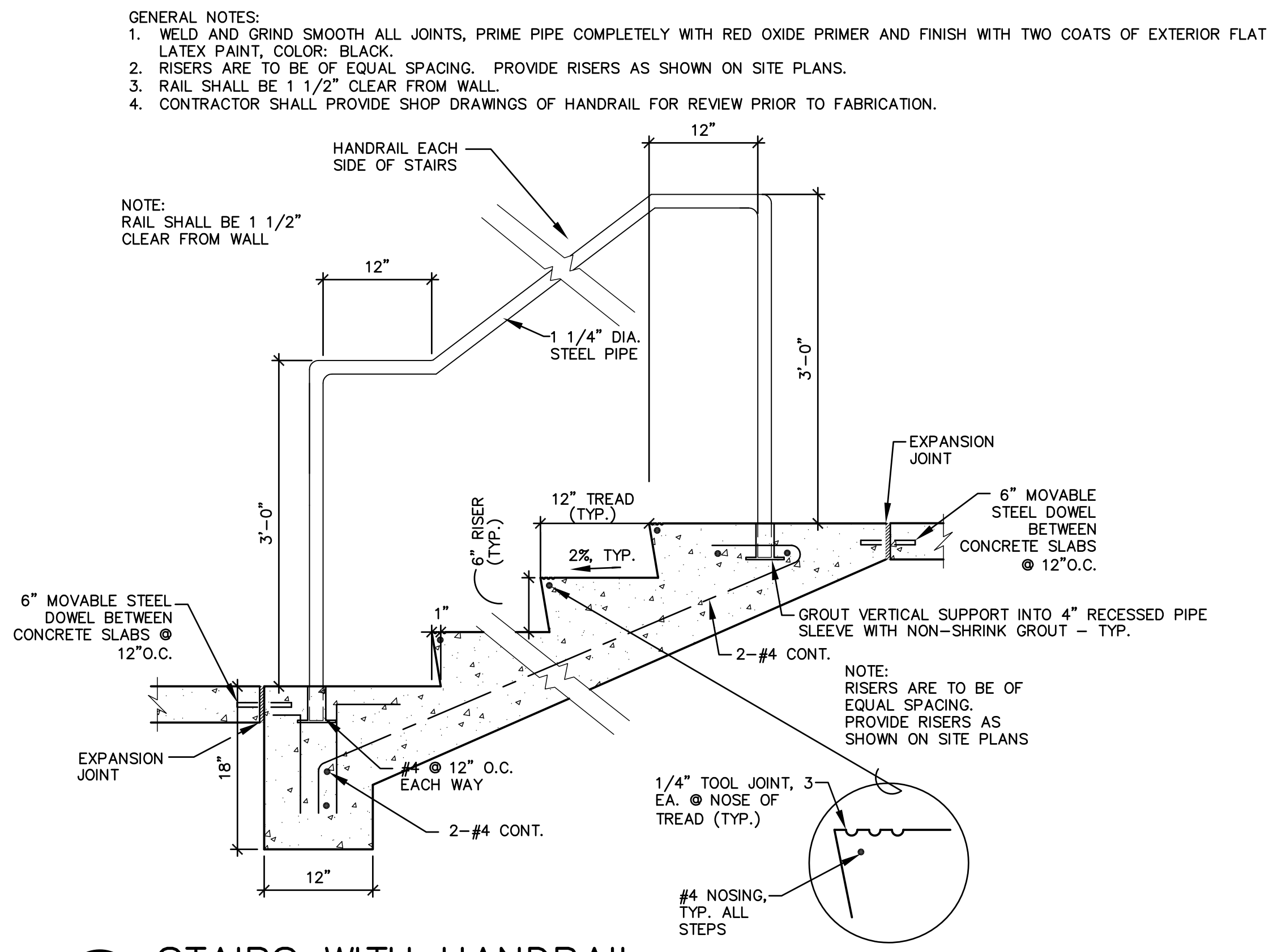
**(B3) TURNDOWN EDGE AT RAMP**  
SCALE: 1"=1'



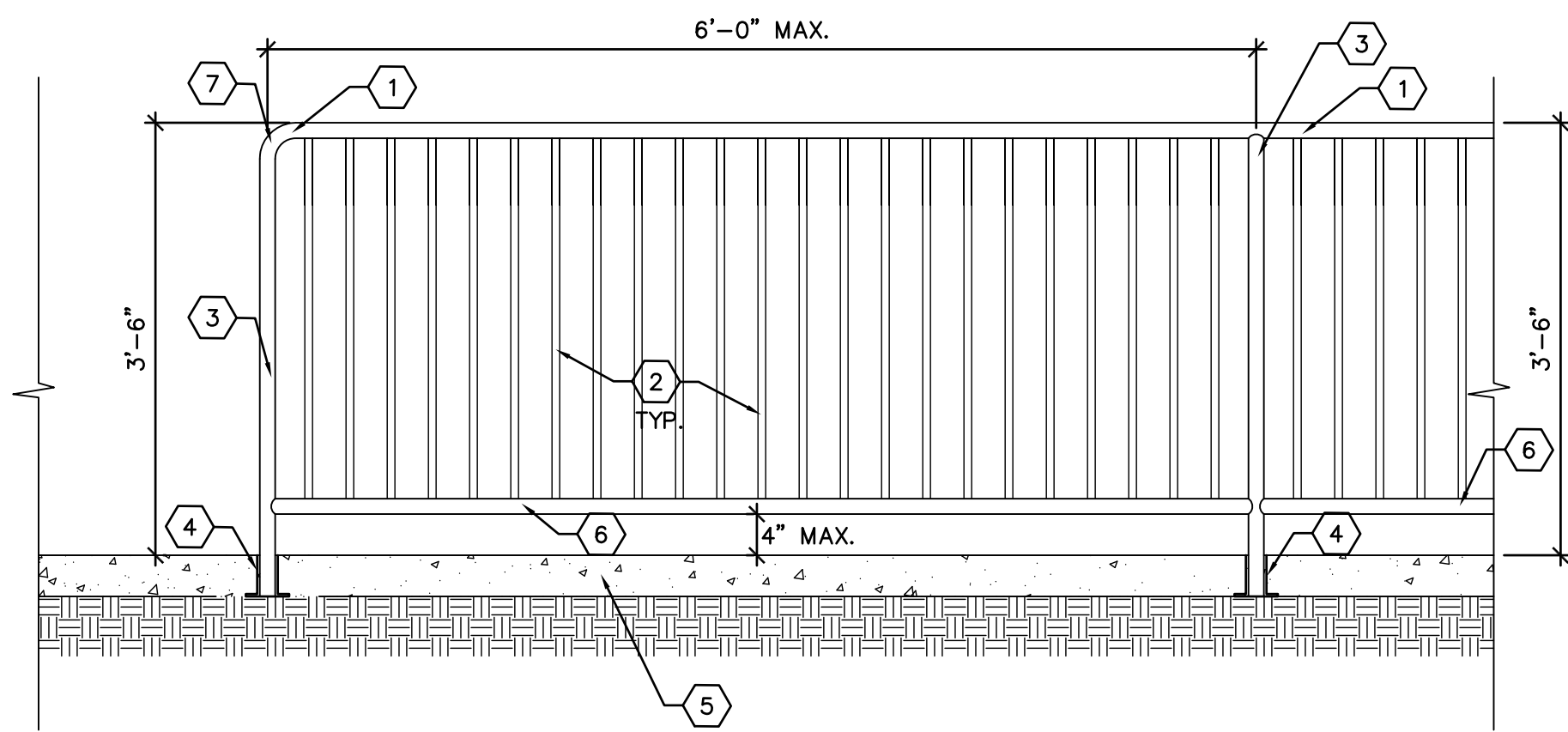
**(B4) CONCRETE MOWSTRIP AT WALL**



**A4 WOOD FIBER MULCH AT PLAYGROUNDS**  
SCALE: 1"= 1'-0"



**A1 STAIRS WITH HANDRAIL**  
SCALE: 1"=1'



## KEYED NOTES

1. 1 1/4" DIAMETER TOP RAIL, SCH. 40 STEEL PIPE.
2. 3/4" DIAMETER SCH. 40 STEEL PIPE SPACED AT 4" O.C.
3. 1 1/4" DIAMETER POST, SCH. 40 STEEL PIPE.
4. GROUT VERTICAL SUPPORT INTO 2" DIA. X 4" DEEP RECESSED SCH. 40 STEEL PIPE SLEEVE WITH NON SHRINK GROUT.
5. CONCRETE RETAINING WALL. SEE DETAIL B1/12.
6. BOTTOM RAIL 1 1/4" DIAMETER SCH. 40 STEEL PIPE. BOTTOM RAIL SHALL BE 4" MAXIMUM ABOVE TOP OF CONCRETE.
7. WHERE GUARDRAIL ENDS, INSTALL A 2 1/2" RADIUS WHERE POST AND TOP RAIL MEET AS SHOWN.

**A2** GUARDRAIL  
SCALE: 3/4" = 1'

- ## GENERAL NOTES

- A. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF GUARDRAIL FOR REVIEW AND APPROVAL PRIOR TO FABRICATION AND INSTALLATION.
- B. CONTRACTOR SHALL GRIND ALL WELDS SMOOTH. PRIME PIPE COMPLETELY WITH RED OXIDE PRIMER AND FINISH WITH TWO COATS INDUSTRIAL ENAMEL PAINT. PROVIDE PRODUCT INFORMATION ON INDUSTRIAL ENAMEL PAINT ALONG WITH GUARD RAIL SHOP DRAWINGS. COLOR SHALL BE BLACK.

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<b>LANDSCAPE ARCHITECTS</b> Morrow Reardon Wilkinson Miller, Ltd.  mrwmla.com                  505 268 2266											NO. DATE							
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Design Review Committee				City Engineer Approval				Last Design Update		Mo./Day/Yr.				Mo./Day/Yr.				
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- GENERAL NOTES

- A. WASHED ROCK SHALL BE INSTALLED FLUSH WITH BOTTOM OF GATE VALVE

**FOR PRICING  
ONLY**



- NOTE: TOP OF BUBBLER TO BE FLUSH WITH TOP OF MULCH

SCALE: N.T.S.



- (A2) RPBA WITH MASTER VALVE AND FLOW METER



SANTA BARBARA PARK RENOVATION  
IRRIGATION DETAILS

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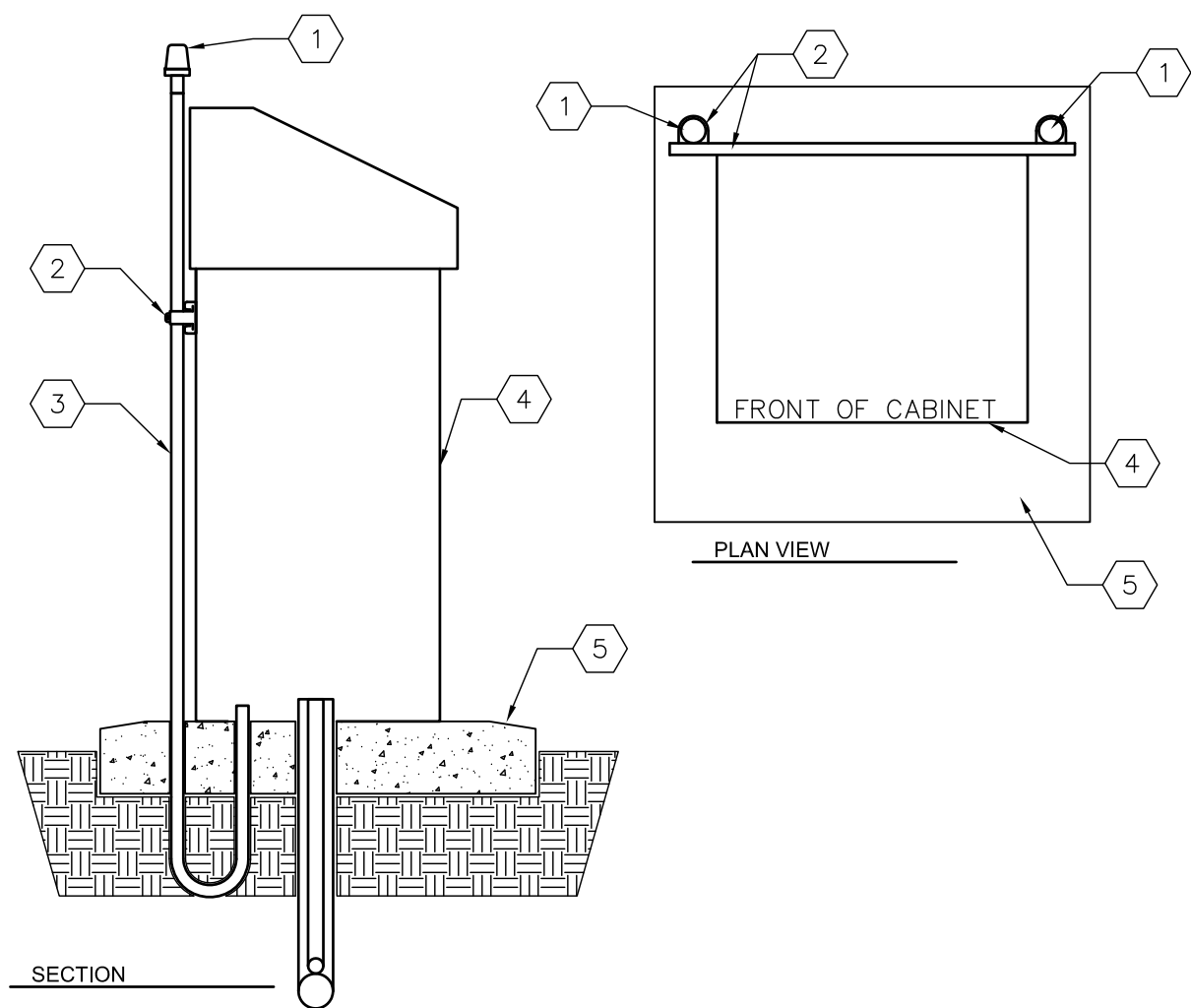
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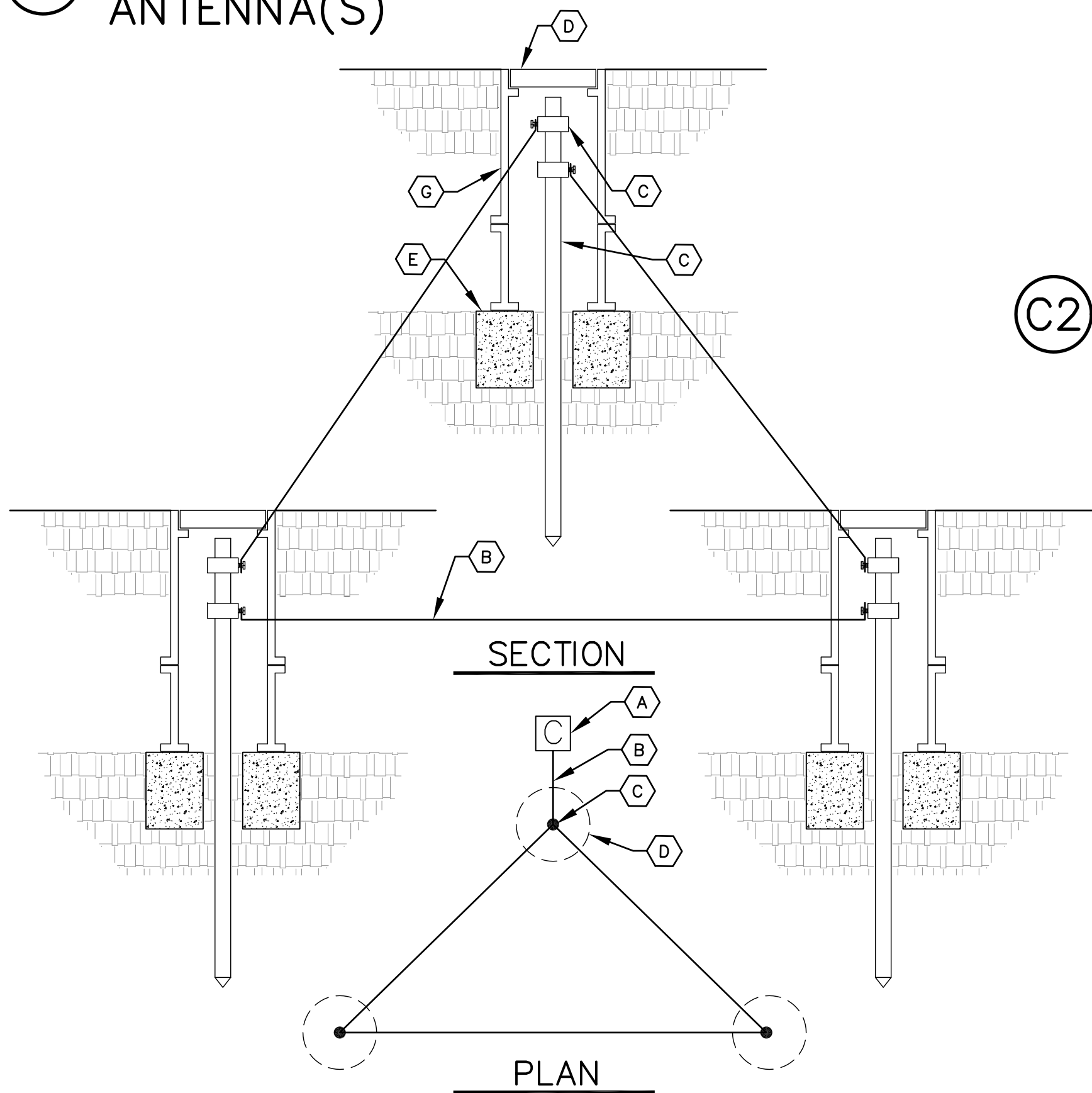


#### KEYED NOTES

1. RADIO AND / OR GPRS ANTENNA
2. 1-1/2" ALUMINIUM ANGLE BRACKET (BOLT TO BACK OF ENCLOSURE)
3. GALVANIZED CONDUIT
4. SB-16SS STRONGBOX- POWDER COATED COLOR TAN
5. CONCRETE PAD

### C1 CONTROLLER ENCLOSURE WITH ANTENNA(S)

SCALE: N.T.S.



#### GENERAL NOTES

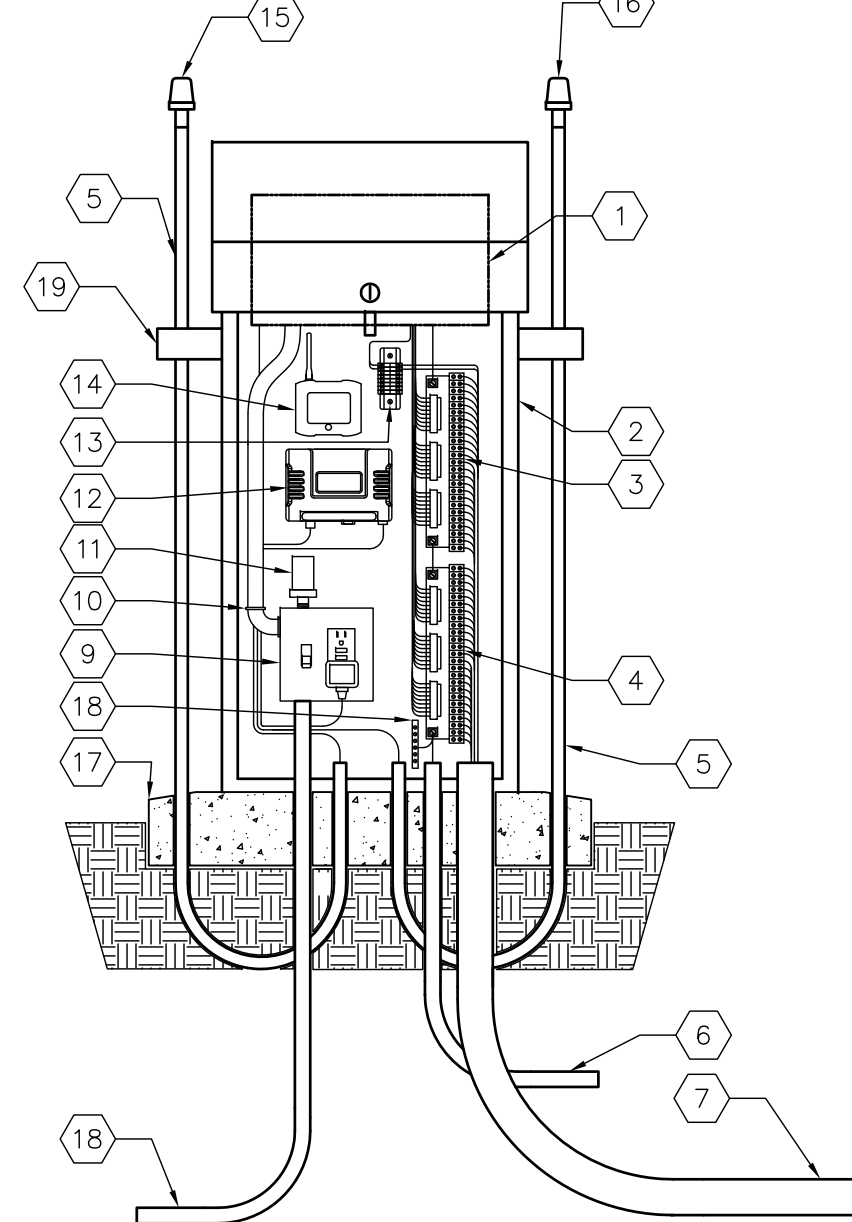
1. CONTRACTOR SHALL TEST GROUNDING OF CONTROLLER TO VERIFY THAT IT MEETS THE MANUFACTURER'S SPECIFICATIONS AND SHALL PROVIDE TEST RESULTS IN WRITING TO THE OWNER.
2. CONTRACTOR SHALL INSTALL ONE .25 GPM BUBBLER ADJACENT TO EACH GROUNDING ROD AS NOTED ON THE IRRIGATION PLAN.

#### KEYED NOTES

- A. IRRIGATION CONTROLLER, SEE IRRIGATION LEGEND.
- B. #10 AWG WIRE FROM IRRIGATION CONTROLLER TO GROUND ROD CLAMP. WIRE SHALL BE INSTALLED STRAIGHT AND TAUT.
- C. 8' LENGTH GROUND ROD, PLACE IN IRRIGATED AREA A MINIMUM OF 16' FROM ONE ANOTHER W/ ONE ROD A MIN. 12' FROM CONTROLLER. (OPTION: REPLACE GROUNDING RODS W/ 1 EA. 1/8" X 12" X 18" COPPER, BURIED @ 12" DEPTH. SOLDER #6 BARE COPPER WIRE TO PLATE).
- D. 7" DIAMETER x 9" DEEP BROOKS 700 SERIES VALVE BOX WITH COVER.
- E. 8"x8"x16" SOLID CMU BLOCK.
- F. GROUND ROD CLAMP
- G. DRILL A SMALL OPENING IN VALVE BOX TO MAINTAIN WIRE TAUTNESS.

### A1 CONTROLLER GROUNDING DETAIL

NTS 1

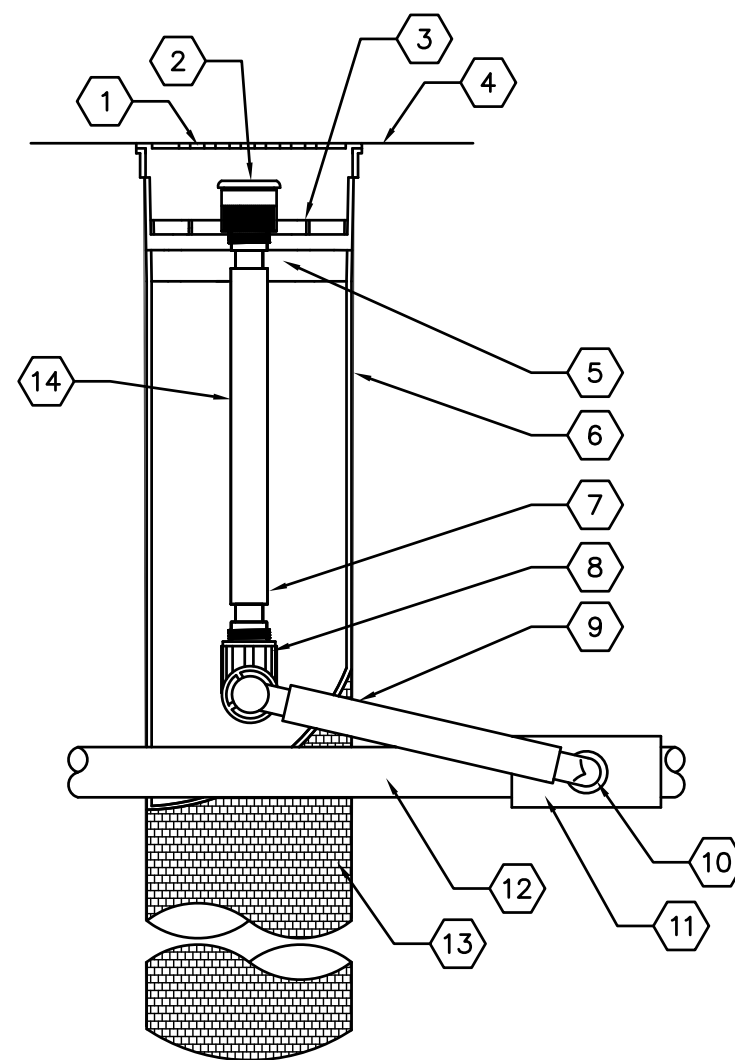


#### KEYED NOTES

1. RAINBIRD ESP12LXMEF CONTROLLER W/ GPRS CARTRIDGE #: IQ3G-USA ADD 12-STATION MODULES AS NECESSARY TO OPERATE THE NUMBER OF VALVES SHOWN ON THE PLANS
2. SB-16SS STRONGBOX- POWDER COATED COLOR TAN - SEE ENCLOSURE WITH ANTENNA DETAIL
3. RAINBIRD 25-48 STATION TERMINAL BOARD #: H60321 - OMIT IF CONTROLLER OPERATES
4. RAINBIRD 1 - 24 STATION TERMINAL BOARD #: H60311
5. ANTENNA CONDUIT & CABLE
6. 3/4" GROUNDING CONDUIT & WIRE
7. STATION WIRES & 3" CONDUIT
8. 120V POWER SUPPLY & 3/4" CONDUIT
9. 120V POWER SUPPLY ASSEMBLY W/ GFCI & BREAKER
10. 120V POWER SUPPLY TO CONTROLLER & CONDUIT
11. INTERMATIC AG2401C3 SURGE PROTECTOR
12. RAINBIRD SPREAD SPECTRUM 900 MHZ RADIO MODEL #: IQSSRADIO
13. DIN RAIL TERMINAL BLOCK ASSEMBLY FOR SENSORS
14. RAINBIRD LUMRRX REMOTE RECEIVER
15. GPRS EXTERNAL ANTENNA
16. RADIO ANTENNA ( TO BE DETERMINED)
17. CONCRETE PAD
18. GROUNDING TERMINAL BLOCK
19. 1-1/2" ALUMINIUM ANGLE BRACKET

### C2 SERVER/CLIENT CONTROLLER GPRS & RADIO

SCALE: N.T.S.



#### KEYED NOTES

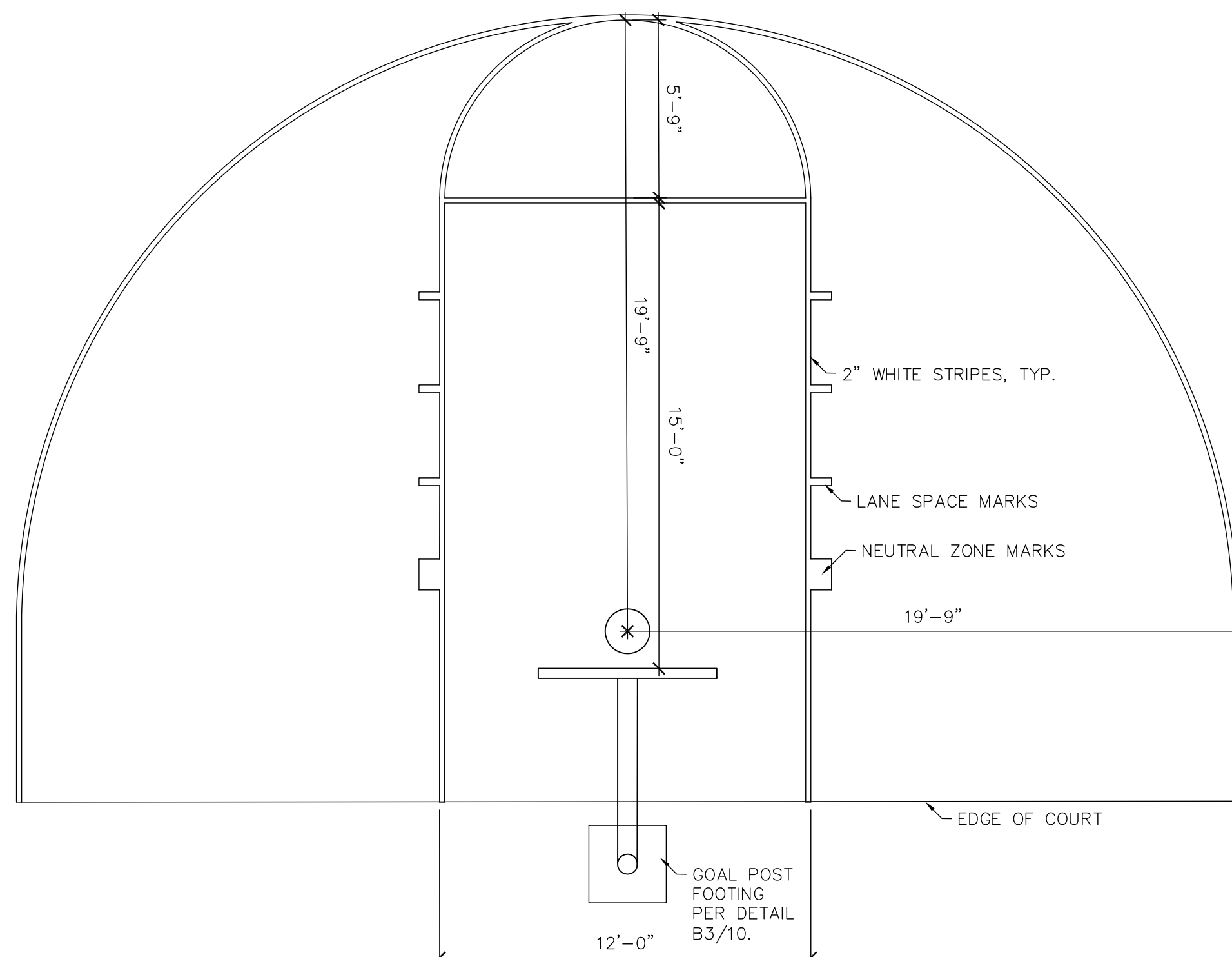
1. 4-INCH LOCKING GRATE (INCLUDED)
2. BUBBLER: SEE LEGEND
3. ROOT WATERING ASSEMBLY: RAIN BIRD RWS-B-C-1402 (INCLUDES BUBBLER WITH RISER, CHECK VALVE, GRATE, SWING ASSEMBLY, 1/2" MALE NPT INLET, AND BASKET CANISTER)
4. FINISH GRADE / TOP OF MULCH
5. CHECK VALVE (INCLUDED)
6. RWS SAND SOCK (RWS-SOCK)
7. 1/2 -INCH POLY SWING JOINT (INCLUDED)
8. 1/2-INCH SPIRAL BARB ELBOW (INCLUDED)
9. 12-INCH SWING ASSEMBLY (INCLUDED)
10. 1/2-INCH MALE NPT INLET (INCLUDED)
11. PVC SCH 40 TEE OR ELL
12. PVC LATERAL PIPING
13. 4" WIDE X 36" LONG RIGHT BASKET WEAVE CANISTER (INCLUDED)
14. 1/2-INCH STRAIGHT SPIRAL BARB FITTING (1 OF 2, INCLUDED)

#### GENERAL NOTES

- A. INSTALL PRODUCT SO THAT THE GRATE IS EVEN WITH TOP OF MULCH.
- B. SAND SOCK (RWS-SOCK) IS 34" IN LENGTH TO COVER MESH BASKET AREA.
- C. ONCE RWS HAS BEEN INSTALLED FILL THE BASKET WITH PEA GRAVEL BEFORE LOCKING LID.

### A2 ROOT WATERING BUBBLER ASSEMBLY

SCALE: N.T.S.



### B3 BASKETBALL KEY STRIPING

SCALE: 1/4" = 1'

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BENCH MARKS		SURVEY INFORMATION		ARCHITECTURAL SEAL		REVISIONS		REMARKS		NO. DATE		BY	
CONTRACTOR		FIELD NOTES		FOR PRICING ONLY									
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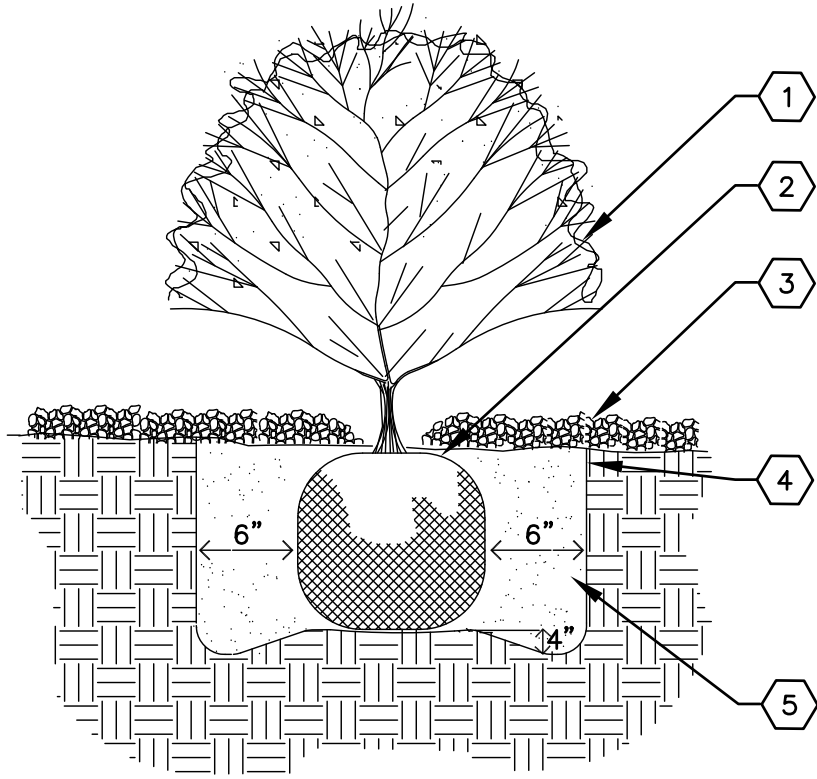
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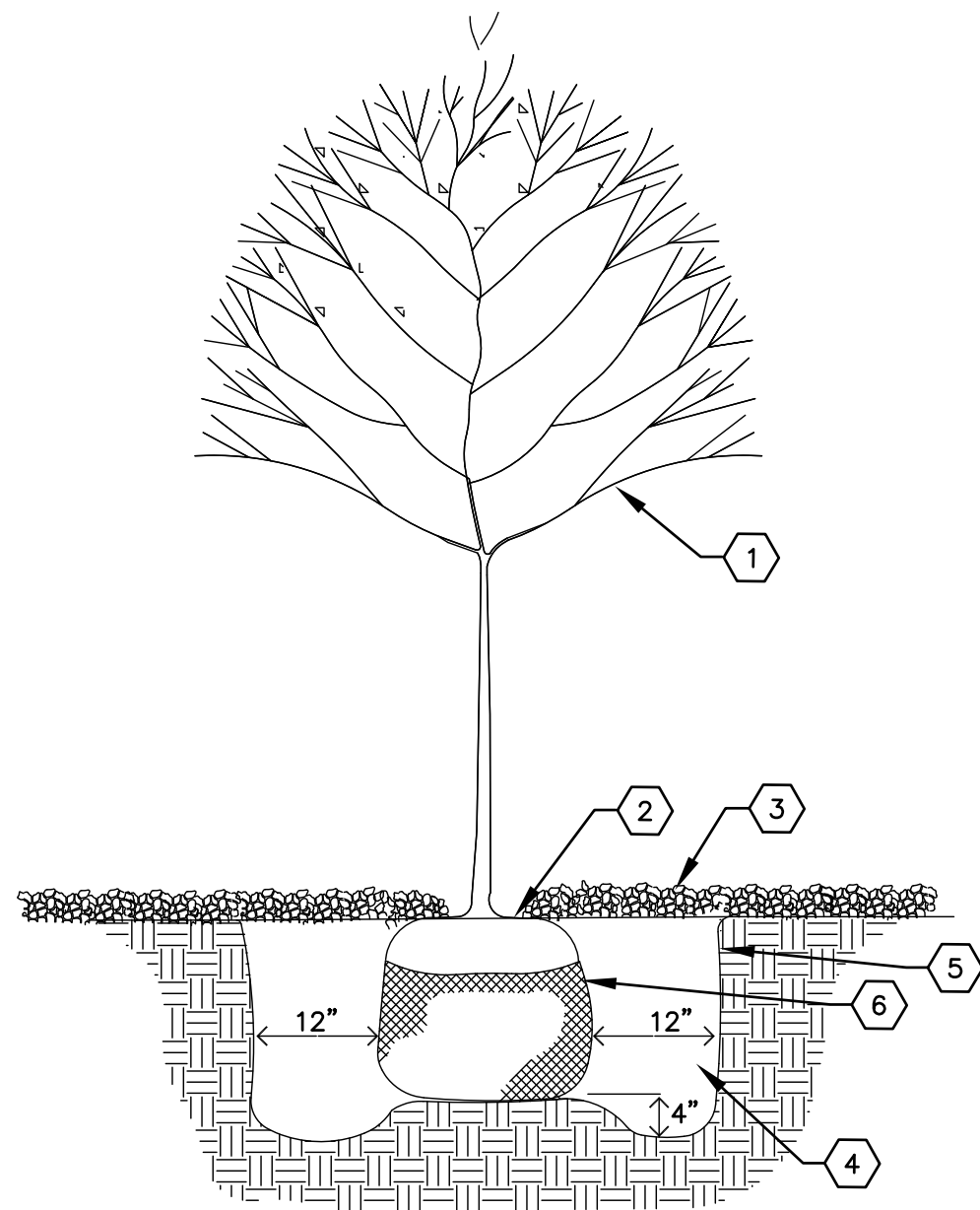


KEYED NOTES

1. TREE LOCATION AND SPECIES PER PLAN
2. REMOVE EXISTING SOIL (FROM NURSERY) AS NEEDED TO EXPOSE ROOT FLARE. INSTALL WITH ROOT FLARE FLUSH WITH SUB-GRADE (BOTTOM OF MULCH).
3. CRUSHER FINES MULCH. MULCH SHALL BE FEATHERED TO A 2" DEPTH ON TOP OF ROOT BALL AND SHALL BE HELD BACK 2" FROM TREE TRUNK.
4. BACKFILL AND SOIL AMENDMENTS (SEE SPECIFICATIONS). THOROUGHLY MIX BACKFILL AND AMENDMENTS PRIOR TO INSTALLATION.
5. SCARIFY EDGE OF PLANTING HOLE, CONTINUOUS ALL SIDES.
6. REMOVE WIRE BASKET, WOOD BOX, PLASTIC TWINE, AND/OR ROPE PRIOR TO BACKFILL. REMOVE BURLAP EXCEPT FROM BOTTOM OF ROOT BALL.

A1 TREE PLANTING DETAIL

SCALE: N.T.S.

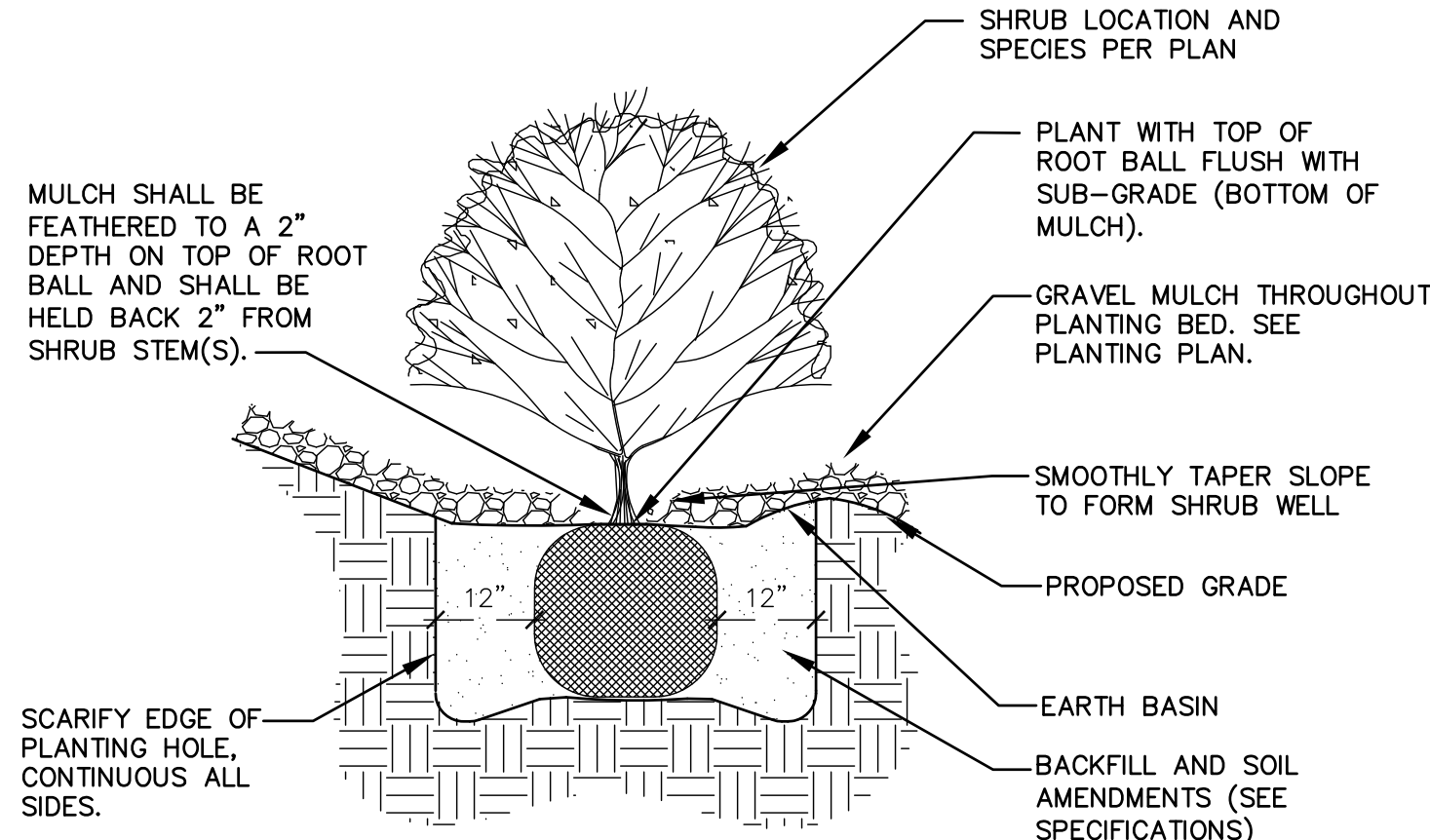


KEYED NOTES

1. TREE LOCATION AND SPECIES PER PLAN
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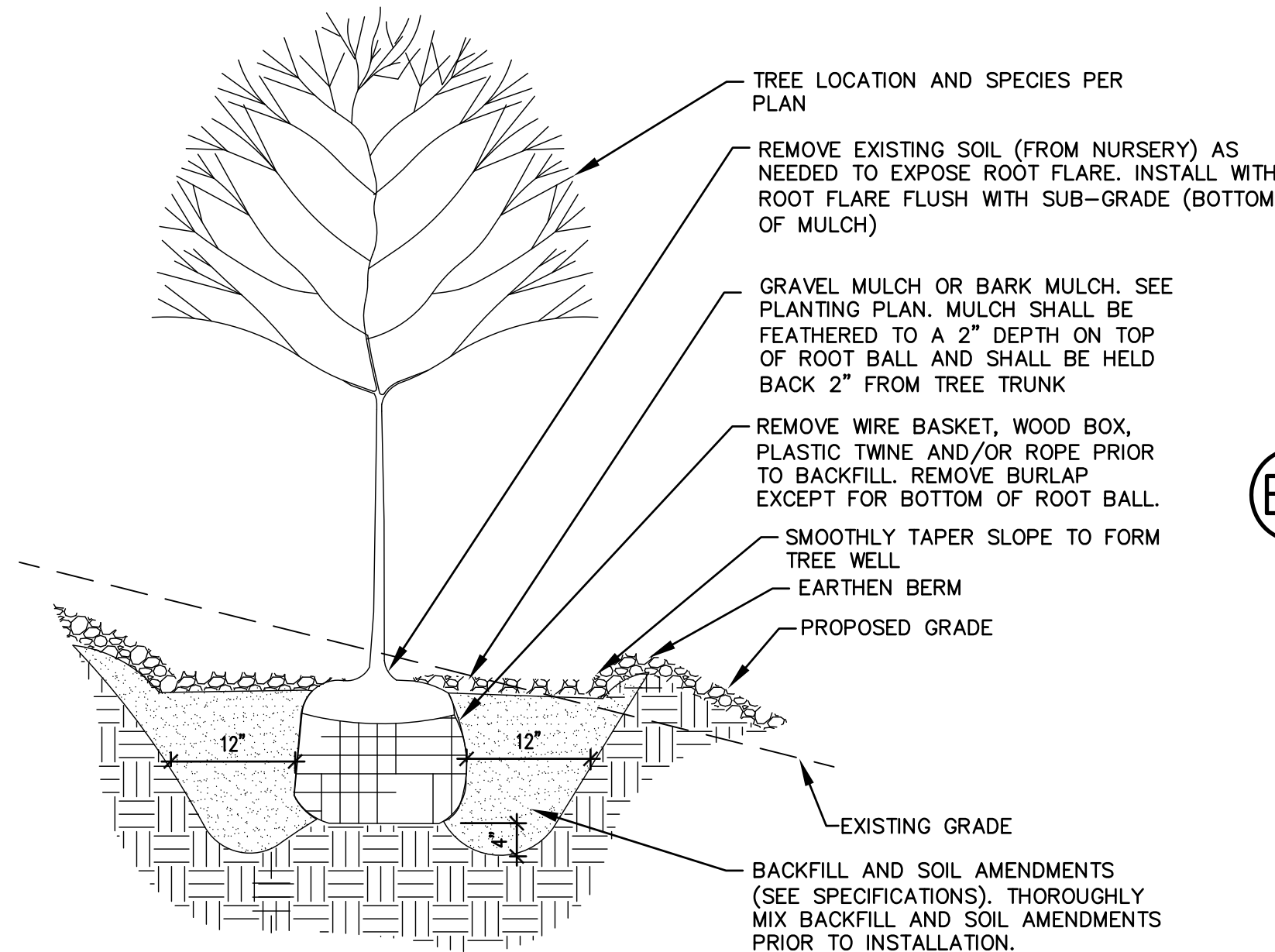
A2 TREE PLANTING ON SLOPE

SCALE: N.T.S.



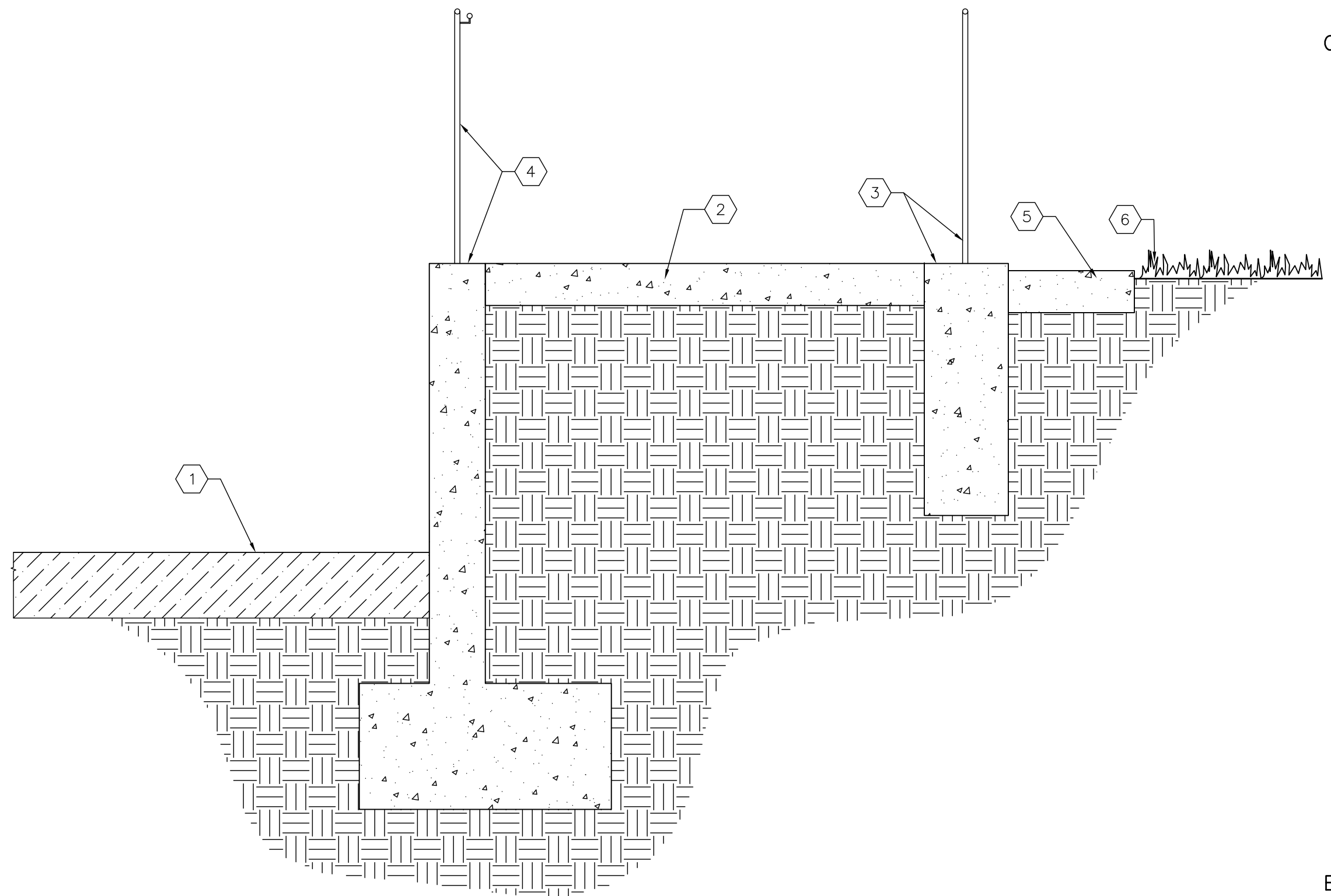
B1 SHRUB DETAIL

SCALE: N.T.S.



B2 SHRUB PLANTING ON SLOPE

SCALE: N.T.S.



KEYED NOTES

1. PLAY SURFACE MATERIAL
2. RAMP
3. HEADER WALL WITH HANDRAIL, SEE DETAIL A1/12.
4. HANDRAIL/GUARDRAIL IN RETAINING WALL, SEE DETAIL B3/12.
5. MOWSTRIP
6. TURF

B3 SECTION C-C' AT RAMP

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



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REVISIONS	

REMARKS	

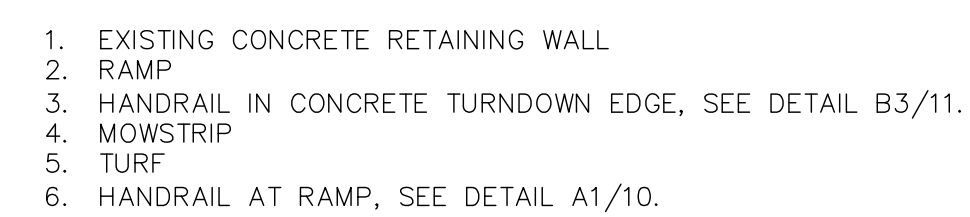
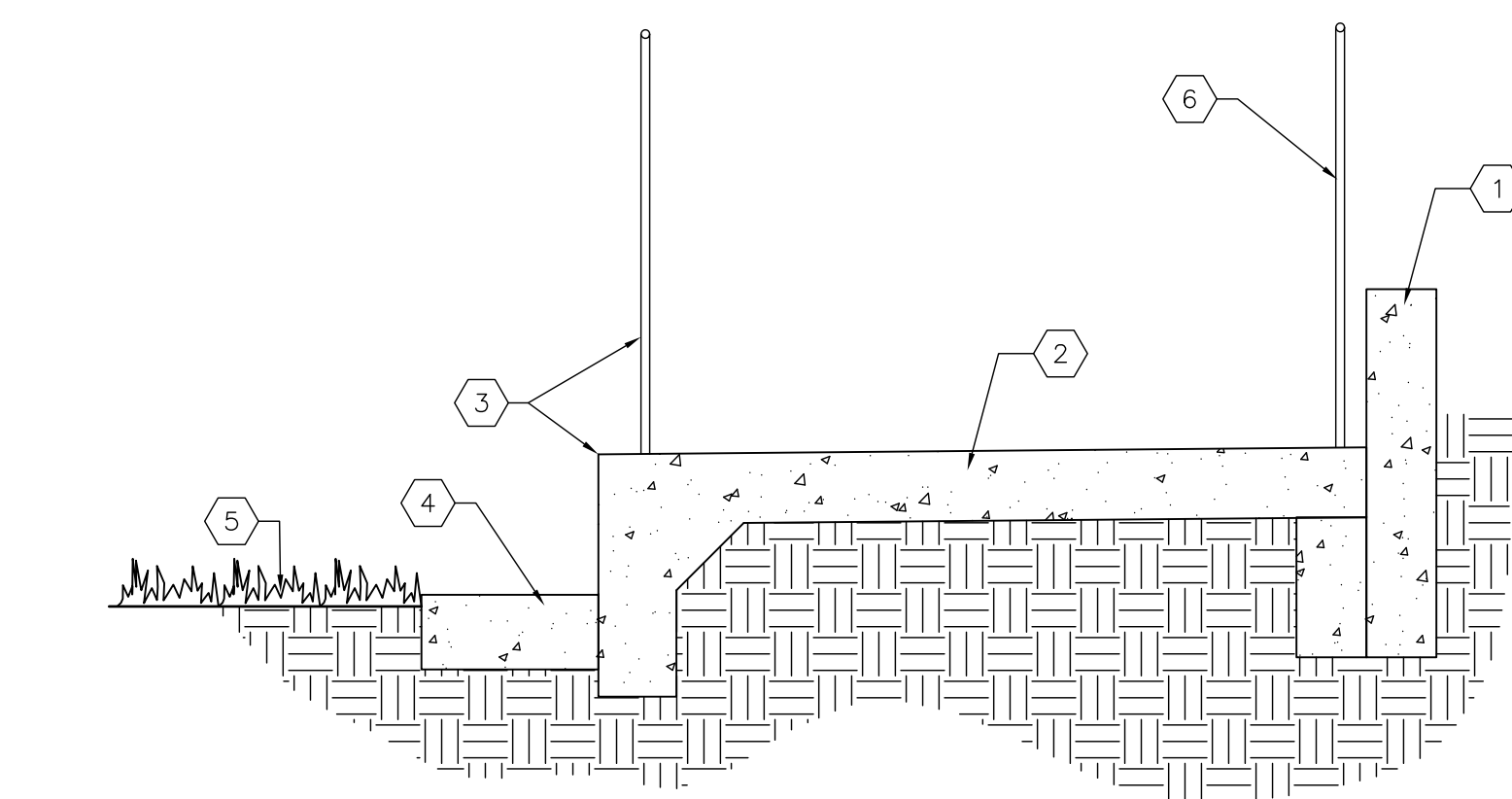
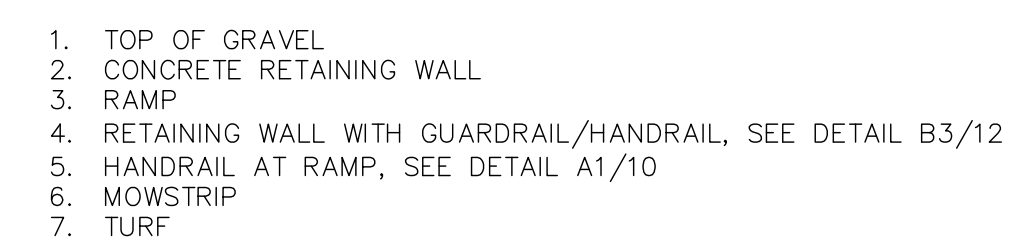
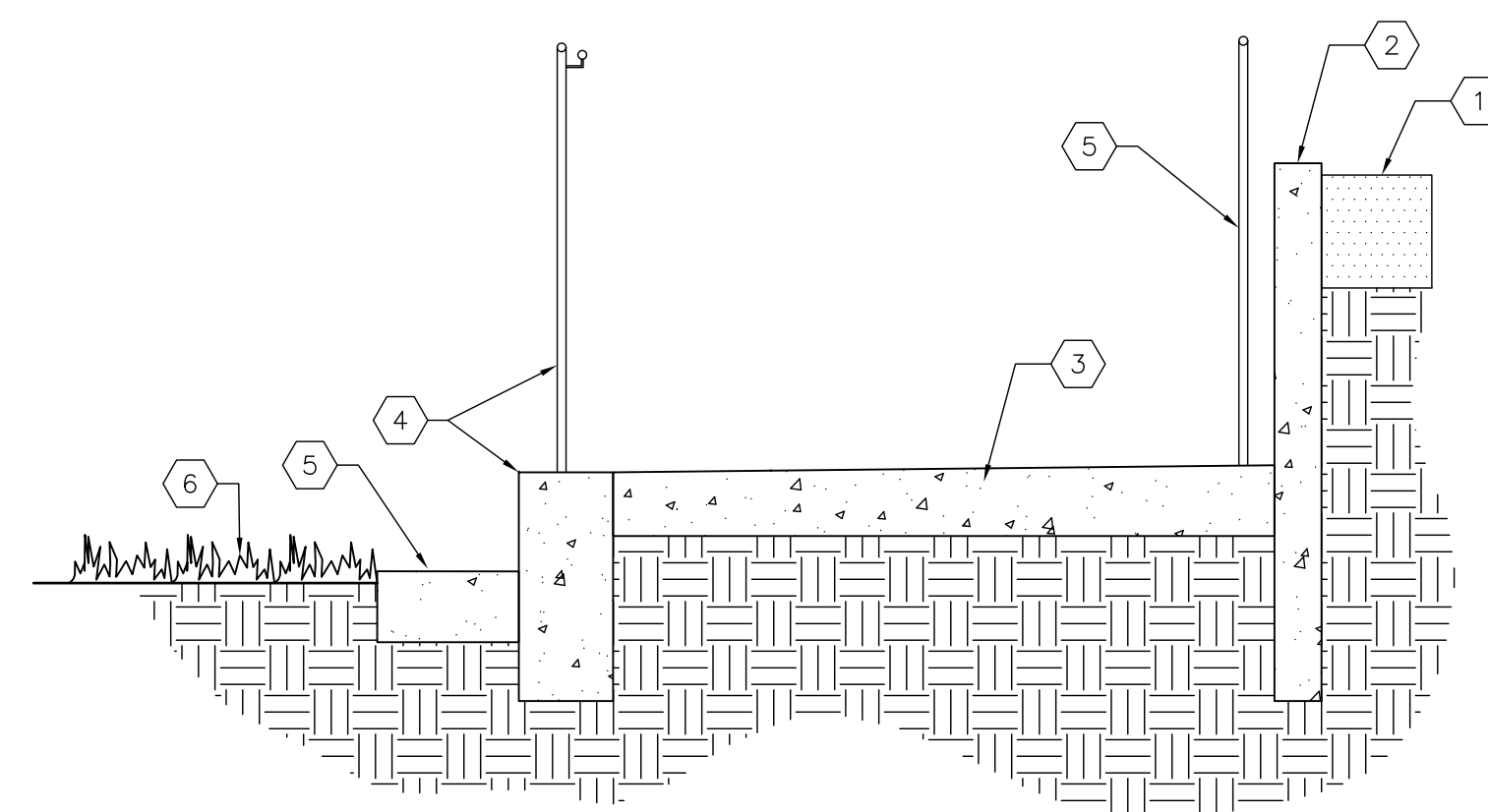
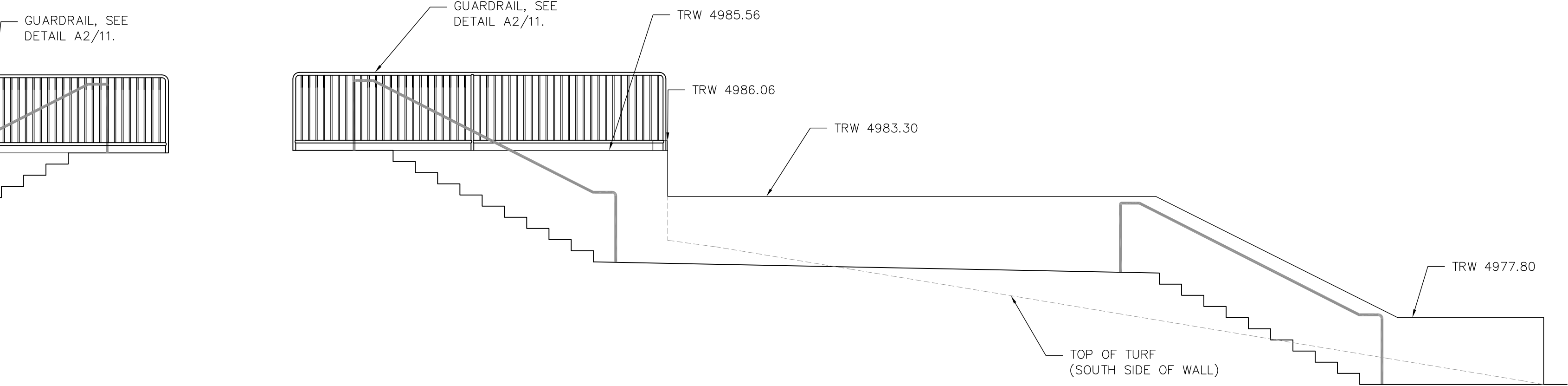
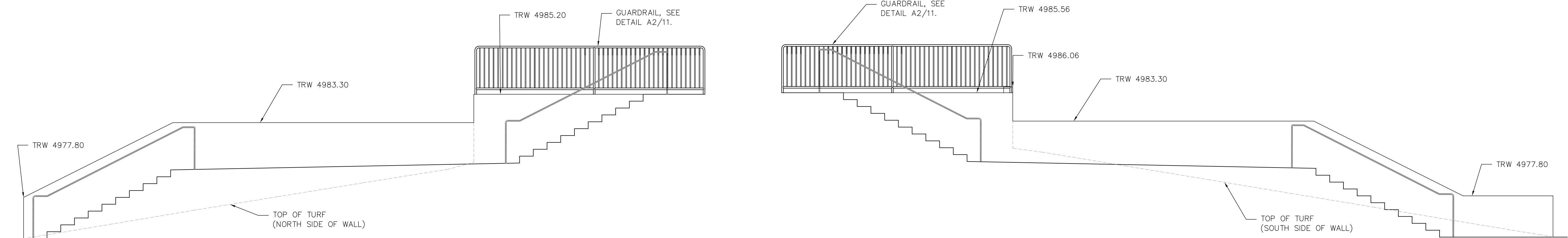
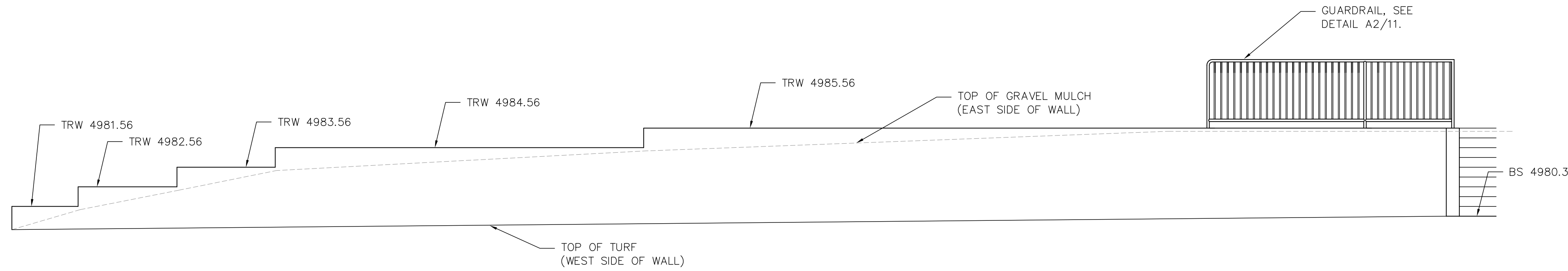
FINAL FOR CONSTRUCTION  
DATE:

SANTA BARBARA PARK RENOVATION

PROJECT# 721503

RECORD DRAWINGS  
DATE:





 <p><b>LANDSCAPE ARCHITECTS</b></p> <p>Morrow Reardon Wilkinson Miller, Ltd.</p> <p>mrwmlla.com      505 268 2266</p>						REV					
										NO. DATE	
										DESIGNED BY AB/BV	
										DRAWN BY BV	
										CHECKED BY BV	



**CITY OF ALBUQUERQUE**  
STRATEGIC PLANNING AND DESIGN  
PARKS AND RECREATION DEPARTMENT

**SANTA BARBARA PARK RENOVATION**  
**WALL AND STAIR ELEVATIONS**

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. **721503**
Zone Map No. **J-14**
Sheet **16** Of **19**

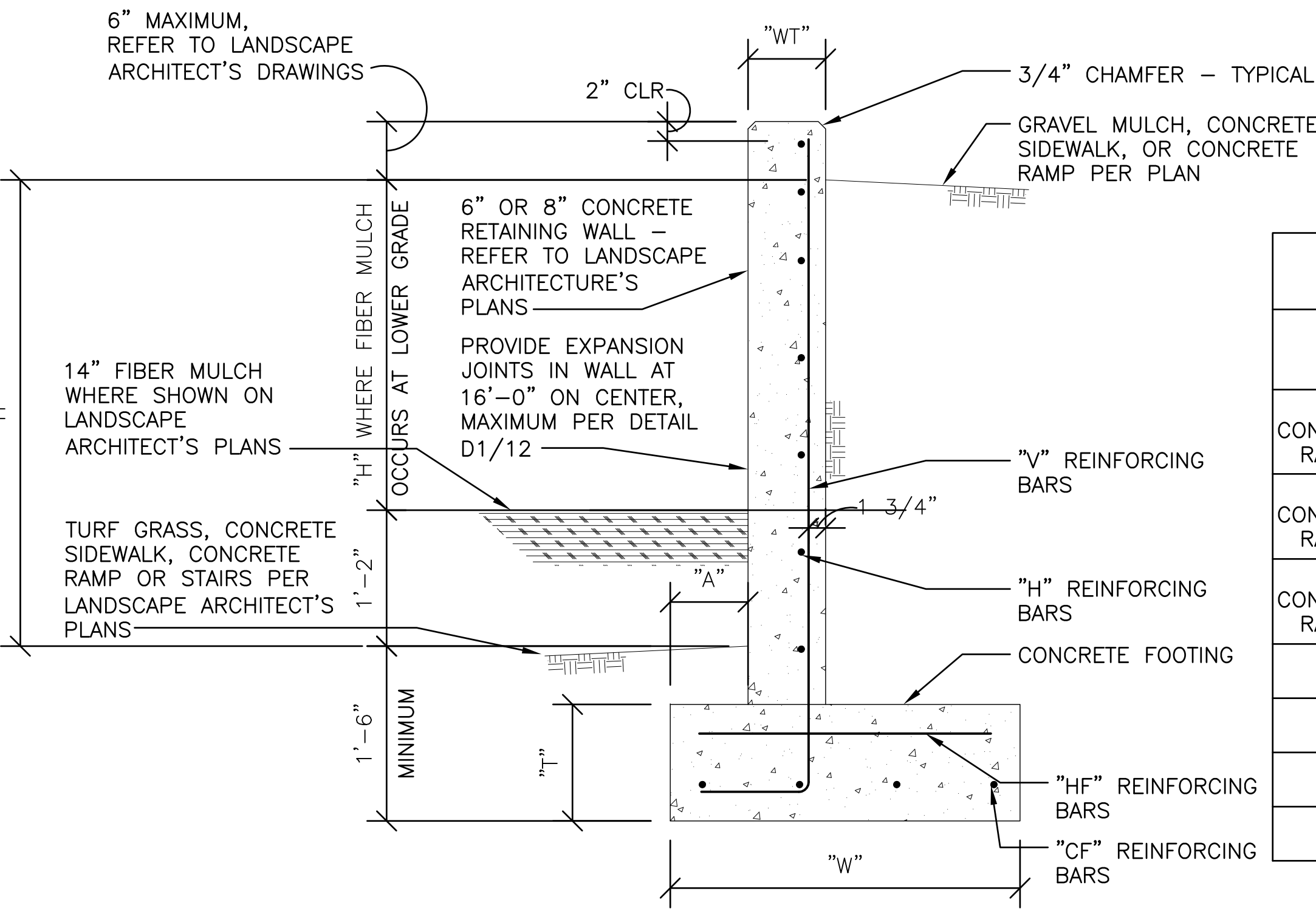
FINAL FOR CONSTRUCTION  
DATE:

SANTA BARBARA PARK RENOVATION

DATE 7/21/2014  
PROJECT# 721503

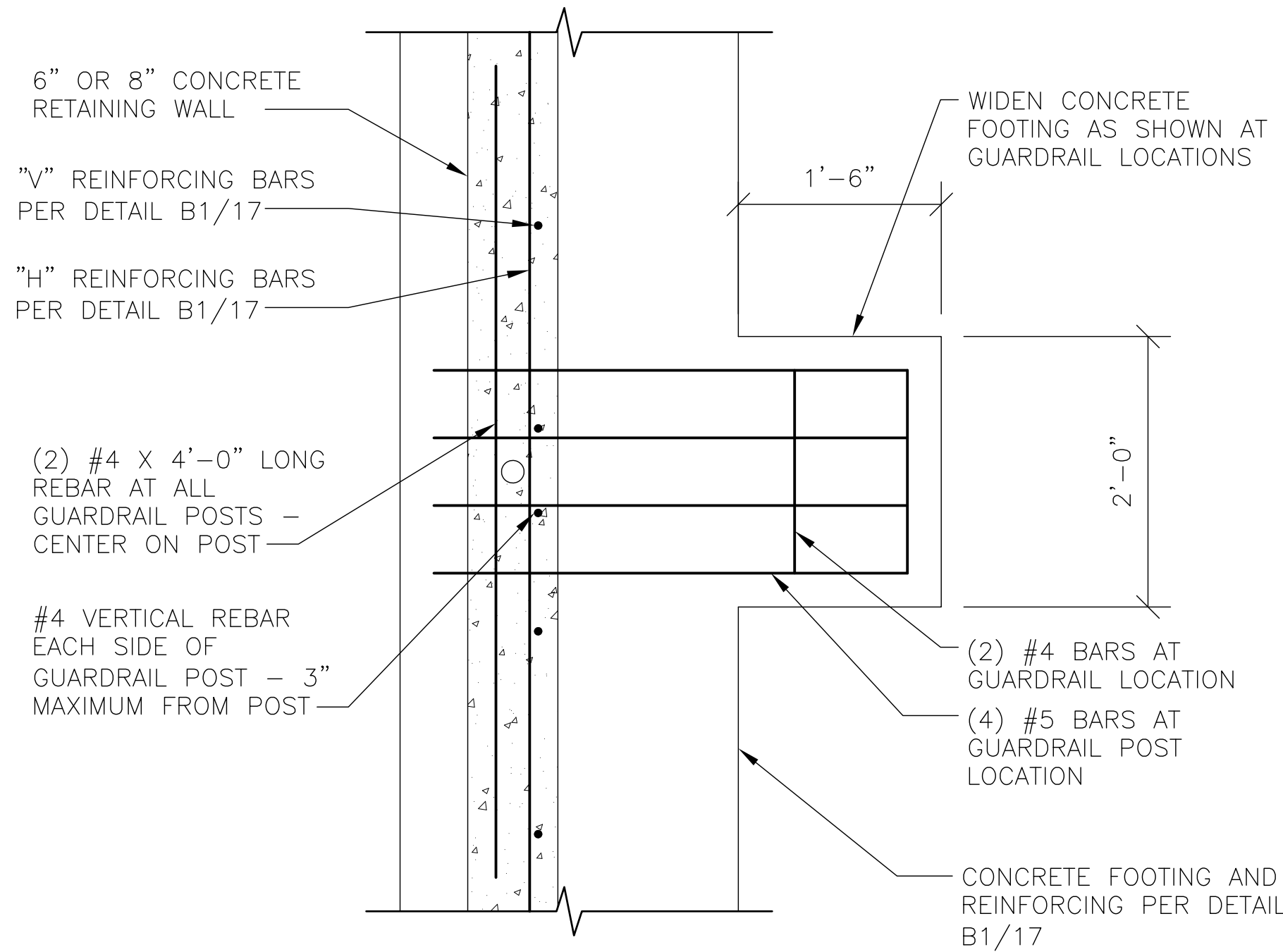
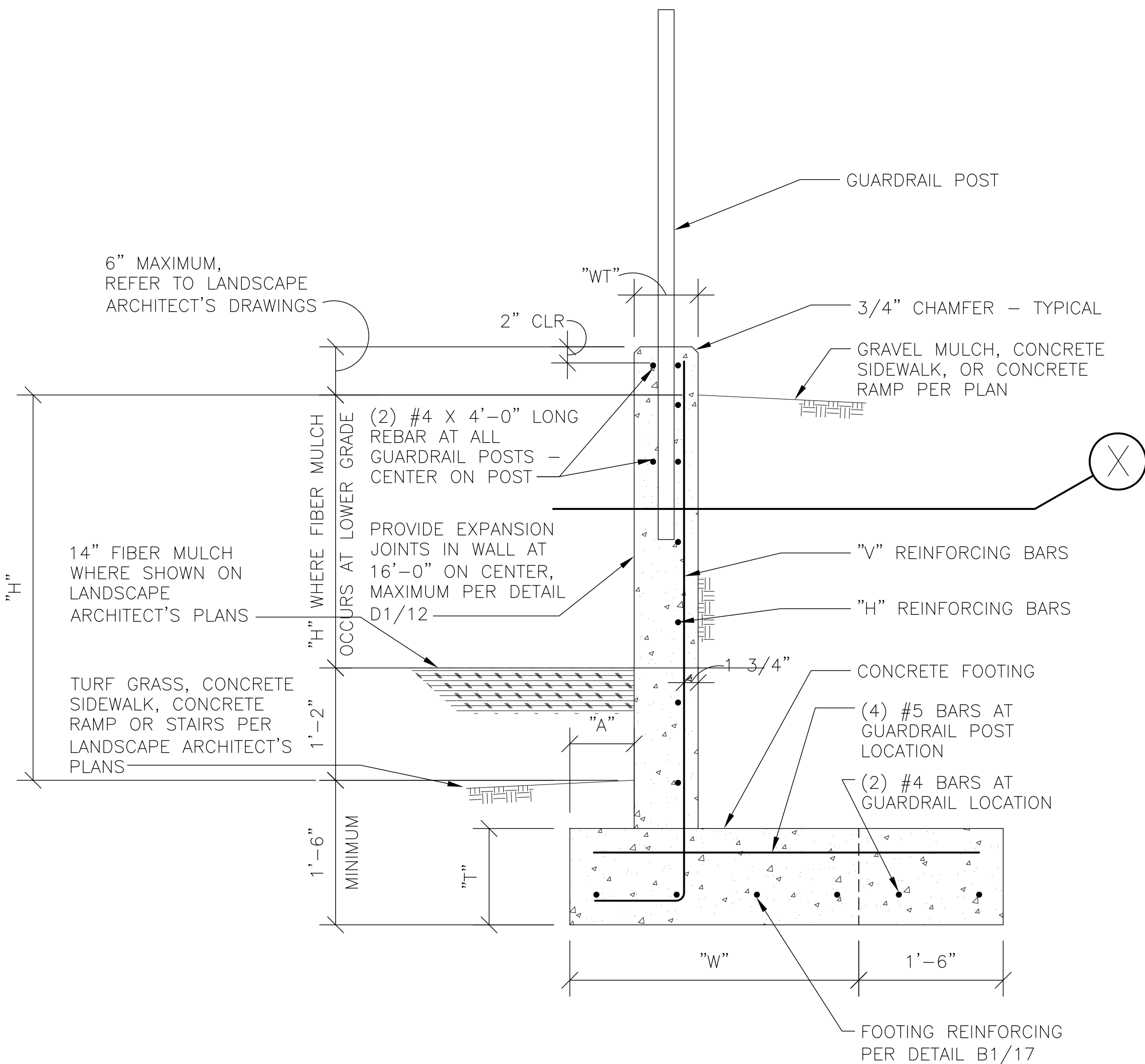
RECORD DRAWINGS  
DATE:





SCHEDULE									
LOWER GRADE LANDSCAPING	GRADE DIFFERENCE "H"	WALL THICKNESS "WT"	"V" REINFORCING BARS	"H" REINFORCING BARS	FOOTING WIDTH "W"	FOOTING THICKNESS "T"	"A"	"CF" REINFORCING BARS	"HF" REINFORCING BARS
TURF GRASS, CONCRETE SIDEWALK, RAMP OR STAIRS	UP TO 2'-0"	8"	#4 AT 18" O.C.	#4 AT 10" O.C.	1'-3"	10"	3 1/2"	(2) #4 CONT.	NONE REQUIRED
TURF GRASS, CONCRETE SIDEWALK, RAMP OR STAIRS	2'-1" TO 4'-0"	8"	#4 AT 18" O.C.	#4 AT 10" O.C.	2'-6"	10"	6"	(4) #4 CONT.	#4 AT 22" O.C.
TURF GRASS, CONCRETE SIDEWALK, RAMP OR STAIRS	4'-1" TO 5'-6"	8"	#4 AT 12" O.C.	#4 AT 10" O.C.	4'-0"	10"	9"	(6) #4 CONT.	#4 AT 6" O.C.
MULCH	UP TO 2'-0"	8"	#4 AT 18" O.C.	#4 AT 10" O.C.	1'-9"	10"	3 1/2"	(3) #4 CONT.	NONE REQUIRED
MULCH	2'-1" TO 4'-0"	8"	#4 AT 15" O.C.	#4 AT 10" O.C.	3'-6"	10"	6"	(6) #5 CONT.	#4 AT 6" O.C.
MULCH	UP TO 2'-0"	6"	#4 AT 18" O.C.	#4 AT 12" O.C.	1'-9"	10"	3 1/2"	(3) #4 CONT.	NONE REQUIRED
MULCH	2'-1" TO 3'-0"	6"	#4 AT 18" O.C.	#4 AT 12" O.C.	2'-9"	10"	6"	(5) #4 CONT.	#4 AT 12" O.C.

**B1** CONCRETE RETAINING WALL



PLAN VIEW OF GUARDRAIL POST IN RETAINING WALL

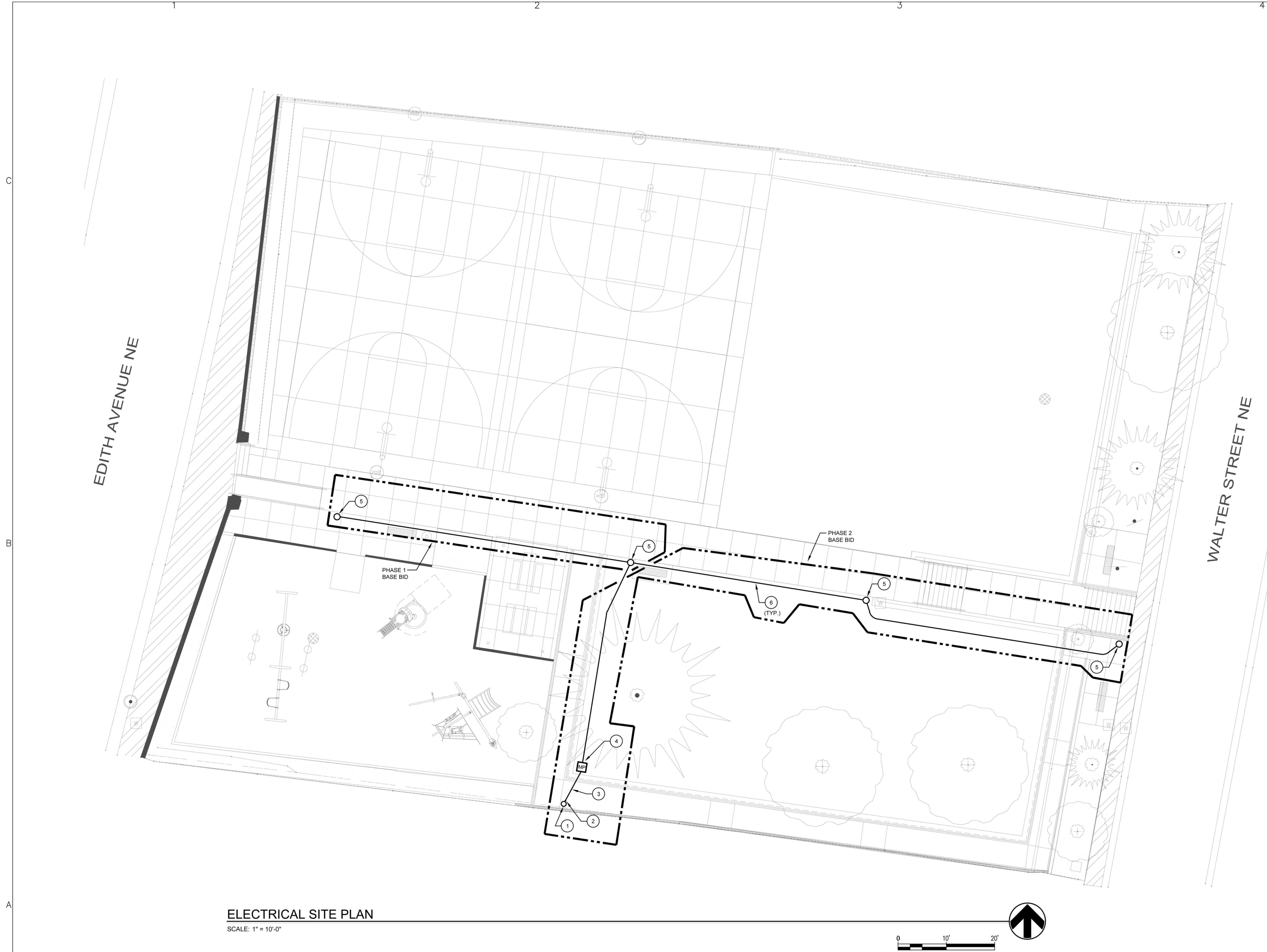
**A1** CONCRETE RETAINING WALLS @ GUARDRAIL POST

**MRWM**  
LANDSCAPE ARCHITECTS  
Morrow Reardon Wilkinson Miller, Ltd.  
mrwmla.com 505 268 2266

CITY OF ALBUQUERQUE STRATEGIC PLANNING AND DESIGN PARKS AND RECREATION DEPARTMENT	
SANTA BARBARA PARK RENOVATION WALL DETAILS SHEET	
Design Review Committee	City Engineer Approval
City Project No. 721503	Zone Map No. J-14
Sheet 17	Of 19

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ARCHITECTURAL SEAL		REVISIONS		REMARKS		NO. DATE		BY		DATE	
CONTRACTOR	DATE	CONTRACTOR	DATE	NO.	BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.
WORKED BY	DATE	INSPECTED BY	DATE														
ACCEPTANCE BY	DATE	ACCEPTANCE BY	DATE														
VERIFICATION BY	DATE	VERIFICATION BY	DATE														
DRAGGERS BY	DATE	DRAGGERS BY	DATE														
MICRO-FILM INFORMATION	DATE	MICRO-FILM INFORMATION	DATE														
RECORDED BY	DATE	RECORDED BY	DATE														
NO.		NO.															





ELECTRICAL SITE PLAN  
SCALE: 1" = 10'-0"

PROJECT GENERAL NOTES

A. REFER TO SHEET 16 FOR ADDITIONAL INFORMATION.

FLAG NOTES:

- EXISTING PNM POLE.
- RISER UP POLE.
- SECONDARY FEEDER.
- METERING PEDESTAL.
- AS PART OF BASE BID PROVIDE AND INSTALL A 12"x12" IN-GRADE COMPOSITE TYPE PULLBOX AS PART OF ADDITIVE ALTERNATE #3 PROVIDE AND INSTALL LIGHTING FIXTURE AND POLE BASE. FIXTURE SHALL BE SUN VALLEY #VNDL-LED-VPA-V-80LED-120-PT-RAL-8019. T-CP-PC-120, WITH A STRAIGHT, STEEL 4" ROUND BRONZE POLE.
- AS PART OF BASE BID PROVIDE AND INSTALL A 1" CONDUIT WITH PULLSTRING. AS PART OF ADDITIVE ALTERNATE #3 PROVIDE AND INSTALL 2# THWN CU. AND 1# THWN CU. GROUND CONDUCTORS.

MRWM

LANDSCAPE ARCHITECTS  
Morrow Reardon Wilkinson Miller, Ltd.

mrwmla.com 505 268 2266

CITY OF ALBUQUERQUE  
STRATEGIC PLANNING AND DESIGN  
PARKS AND RECREATION DEPARTMENT

SANTA BARBARA PARK PHASE 1  
ELECTRICAL PLAN

Design Review Committee

City Engineer Approval

Last Design Update

Mo./Day/Yr. Mo./Day/Yr.

City Project No. 721503

Zone Map No. J-14

Sheet 18 Of 19

RECORD DRAWINGS  
DATE:

PROJECT# 721503

SANTA BARBARA PARK PHASE 1

FINAL FOR CONSTRUCTION  
DATE:

SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
NO.	FIELD NOTES	NO.	DATE	CONTRACTOR	DATE
	BY		BY		
				INSPECTOR'S	DATE
				FIELD	DATE
				VERIFICATION BY	DATE
				CONTRACTOR'S	DATE
				CORRECTED BY	DATE
				MICRO-FILM INFORMATION	
				RECORDED BY	DATE
				NO.	



