LANDSCAPE IMPROVEMENT PLANS FOR COMMUNITY CENTER PARK ATHLETIC FACILITY

57090 29 PALMS HWY, YUCCA VALLEY, CA 92284

GENERAL NOTES

1. UNLESS OTHERWISE NOTED, THESE GENERAL NOTES ARE DIRECTED TO THE CONTRACTOR AND HIS SUB-CONTRACTORS PERFORMING WORKS SHOWN IN THESE CONSTRUCTION DOCUMENTS.
2. LICENSES AND REGISTRATION:
   A. CONTRACTOR MUST BE PROPERLY AND CURRENTLY LICENSED BY THE STATE OF CALIFORNIA TO PERFORM THE WORK AND MAY PERFORM ONLY SUCH THE WORK AS IS WITHIN THE SCOPE OF SAID LICENSE.
   B. CONTRACTOR MUST BE CURRENTLY LICENSED BY STATE OF CALIFORNIA TO PERFORM PEST CONTROL UTILIZING PESTICIDES, HERBICIDES, FUNGICIDES OR ANY OTHER CHEMICAL REQUIRED LICENSING AND REGISTRATION
3. PRIOR TO SUBMITTING BIDS:
   A. CONTRACTOR SHALL CAREFULLY REVIEW IN DETAIL, THE CONTENTS OF THESE CONSTRUCTION DOCUMENTS. NO PART OF THESE CONSTRUCTION DOCUMENTS ARE INTENDED TO BE IN VIOLATION OF THE LATEST CALIFORNIA BUILDING CODES AND ALL APPLICABLE GOVERNING CODES AND ORDINANCES.
   B. CONTRACTOR SHALL VISIT THE JOB SITE TO DETERMINE EXISTING CONDITIONS, INCLUDING ACCESS TO THE SITE, THE NATURE AND EXTENT OF EXISTING IMPROVEMENTS UPON ADJACENT PUBLIC AND PRIVATE PROPERTY, AND OTHER FACTORS THAT MAY AFFECT THE WORK.
   C. NOTIFY LANDSCAPE ARCHITECT AND THE TOWN'S AUTHORIZED REPRESENTATIVE OF ANY CONFLICTS AND DISCREPANCIES IN WRITING AND REQUEST FOR CLARIFICATION BEFORE STARTING WORK.
   D. FAILURE TO NOTIFY AND RECEIVE WRITTEN CLARIFICATIONS FOR ANY CONFLICTS AND DISCREPANCIES WILL VOID ADDITIONAL COMPENSATION DUE TO CONTRACTOR ALLEGED IGNORANCE OF THE JOB SITE CONDITIONS. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY AND COST FOR ANY REVISIONS NECESSARY.
4. THESE CONSTRUCTION DOCUMENTS ARE TECHNICAL IN NATURE AND ARE INTENDED TO BE USED BY QUALIFIED WORKMEN IN ORDER TO PERFORM THEIR WORK IN CONFORMITY WITH LOCAL AGENCY STANDARDS. THEY DO NOT ATTEMPT TO SHOW THE EXACT LOCATION OF EVERY ITEM IN THE PROJECT. THESE CONSTRUCTION DOCUMENTS SHOULD NOT BE RELIED UPON FOR ANYTHING OTHER THAN THE INTENDED PURPOSES.
5. THE INTENTS OF THESE CONSTRUCTION DOCUMENTS ARE TO INCLUDE ALL LABOR, MATERIALS, EQUIPMENTS AND SERVICES NECESSARY FOR THE PROPER EXECUTION OF THE WORK PER THESE DRAWINGS AND SPECIFICATIONS.
6. ALL AGENCY REQUIREMENTS SET FORTH ON ANY PERMITS REQUIRED FOR CONSTRUCTION OF THIS PROJECT, WHETHER REFERENCED HEREIN OR NOT, SHALL BE COMPLIED WITH AS IF THEY WERE PART OF THESE PLANS AND SPECIFICATIONS. THE LANDSCAPE ARCHITECT SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S NON-COMPLIANCE.
7. ALL WORKS NOT INTENDED TO BE UNDER CONTRACTOR'S CONTRACT WHEN THEY ARE REFERENCED WITH THE FOLLOWING PHASES: NOT IN CONTRACT (N.I.C); NOT A PART (N.A.P.); BY OTHERS; EXISTING.
8. CIVIL ENGINEER'S AND/OR ARCHITECT'S DRAWINGS HAVE BEEN PROVIDED TO LANDSCAPE ARCHITECT FOR USE AS A BACKGROUND BASE IN PREPARING THESE DRAWINGS. ALL SUCH INFORMATION CONTAINED WITHIN THESE PLANS ARE FOR REFERENCE ONLY. LANDSCAPE ARCHITECT IS NOT RESPONSIBLE FOR THEIR COMPLETENESS AND ACCURACY. NOTIFY LANDSCAPE ARCHITECT IF THERE ARE DISCREPANCIES BETWEEN ACTUAL SITE CONDITIONS AND BACKGROUND BASE INFORMATION AS SHOWN PRIOR TO START OF CONSTRUCTION.
9. PRIOR TO THE START OF WORK, CONTRACTOR SHALL CONTACT OWNER'S AUTHORIZED REPRESENTATIVES AND LANDSCAPE ARCHITECT TO VERIFY THAT THE CONSTRUCTION DOCUMENTS ARE CURRENT AND HAVE BEEN APPROVED BY GOVERNING AGENCIES; AND TO CLARIFY ANY QUESTIONS OR CONCERNS THE CONTRACTOR OR TOWN MAY HAVE REGARDING THE WORK.
10. CONTRACTOR ASSUMES SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE SAFETY AND CONDITIONS DURING THE COURSE OF CONSTRUCTION, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE TOWN AND THE LANDSCAPE ARCHITECT HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF THE WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE LANDSCAPE ARCHITECT.
11. CONTRACTOR'S SUPERINTENDENT SHALL BE: PRESENT ON THE JOB SITE AT ALL TIMES DURING PROGRESS OF THE WORK; CAPABLE OF DISCUSSING WORK PROGRESS AND PROBLEMS IN ENGLISH WITH THE LANDSCAPE ARCHITECT, THE TOWN'S AUTHORIZED REPRESENTATIVE AND INSPECTORS FROM LOCAL AGENCIES; ABLE TO READ, UNDERSTAND AND INTERPRET TECHNICAL DRAWINGS AND SPECIFICATIONS; EXPERIENCED AND KNOWLEDGEABLE OF THE WORK INDICATED IN THE CONSTRUCTION DOCUMENTS.
12. CONTRACTOR ASSUMES SOLE RESPONSIBILITY FOR THE MEANS, METHODS AND APPROPRIATENESS OF ALL INSTALLATION PROCEDURES UNDERTAKEN FOR THIS PROJECT.
13. NO SUBSTITUTIONS OF EQUIPMENT OR SPECIFIED PRODUCTS ARE ALLOWED BY ANYONE WITHOUT LANDSCAPE ARCHITECT'S SPECIFIC WRITTEN APPROVAL. LANDSCAPE ARCHITECT ASSUMES NO RESPONSIBILITY FOR ANY LIABILITY THAT MAY ARISE OUT OF SUCH SUBSTITUTIONS WITHOUT LANDSCAPE ARCHITECT'S SPECIFIC WRITTEN APPROVAL. ALL MATERIALS AND EQUIPMENT SPECIFIED SHALL BE NEW AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
14. PRIOR TO COMMENCING WORK, CONTRACTOR SHALL VERIFY ALL PROPERTY LINES, EASEMENTS, RIGHT-OF-WAYS, SET BACKS, AND OTHER LEGAL PROPERTY RESTRICTIONS EITHER MARKED OR UNMARKED.
15. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE PRIOR TO START OF CONSTRUCTION. SHOULD THERE BE ANY DISCREPANCY, LANDSCAPE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY. DIMENSIONS TAKE PRECEDENCE OVER SCALE. ALL REVISIONS OR DEVIATIONS FROM THE PLANS SHALL BE APPROVED BY LANDSCAPE ARCHITECT IN WRITING PRIOR TO IMPLEMENTATION OF SUCH REVISIONS OR DEVIATIONS IN FIELD. COMMENCEMENT OF WORK MEANS ACCEPTANCE OF JOB SITE CONDITIONS.
16. CONTRACTOR IS RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL GRADE DIFFERENCES; ABOVE AND BELOW GROUND UTILITIES; LOCATIONS OF WALLS AND STRUCTURES. CONTRACTOR SHALL NOTIFY "UNDERGROUND SERVICE ALERT' (811) AT LEAST TWO (2) WORKING DAYS PRIOR TO START OF WORK SO AS TO HAVE LOCATION OF UNDERGROUND UTILITIES LOCATED AND MARKED FOR CONSTRUCTION AND SAFETY COORDINATION. CONTRACTOR AGREES TO ASSUME SOLE RESPONSIBILITY AND HOLD LANDSCAPE ARCHITECT HARMLESS FOR ANY DAMAGES RESULTING FROM EXISTING UNDERGROUND UTILITIES OR STRUCTURES NOT REPORTED OR INDICATED ON THE PLANS.
17. WHEN ANY UNANTICIPATED ISSUES ARE UNVEILED DURING CONSTRUCTION, CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT AND THE TOWN'S AUTHORIZED REPRESENTATIVE FOR FURTHER INSTRUCTIONS BEFORE CONTINUING WITH WORK.
18. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES, LANDSCAPE ARCHITECT, TOWN'S AUTHORIZED REPRESENTATIVE AND GOVERNING AGENCIES AS REQUIRED TO MINIMIZE POTENTIAL CONFLICTS AND INTERFERENCE WITH WORK SCHEDULES, WORKERS, EQUIPMENT, CONSTRUCTION MATERIAL DELIVERIES AND STORAGE.
19. ALL QUANTITIES SHOWN HEREON ARE PROVIDED AS INFORMATION ONLY, CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THEIR OWN QUANTITIES PRIOR TO BIDDING AND CONSTRUCTION. LANDSCAPE ARCHITECT IS NOT RESPONSIBLE FOR DISCREPANCIES IN FINAL CONSTRUCTION QUANTITIES.
20. LANDSCAPE ARCHITECT IS NOT RESPONSIBLE OR LIABLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS.
21. PRIOR TO COMMENCEMENT OF CONSTRUCTION, CONTRACTOR SHALL OBTAIN, COORDINATE AND PAY FOR ALL REQUIRED PERMITS, FEES, LICENSES AND AGENCY INSPECTIONS AS REQUIRED TO INSTALL THE WORK.
22. CONTRACTOR SHALL MAKE ALL ARRANGEMENTS NECESSARY TO ENSURE THAT ALL MATERIALS, EQUIPMENT AND SUPPLIES WILL BE AVAILABLE FOR INSTALLATION OF WORK WITHOUT UNNECESSARY DELAYS.
23. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT NO LESS THAN 48 HOURS IN ADVANCE OF ANY SITE OBSERVATIONS OR MEETINGS. CONTRACTOR SHALL BE BACK CHARGED FOR LANDSCAPE ARCHITECT'S TIME AND RELATED EXPENSES WHEN IT IS FOUND THAT THE WORK IS NOT SIGNIFICANTLY COMPLETED FOR REVIEW OR FOR MISSED APPOINTMENT.
24. LANDSCAPE ARCHITECT'S SITE OBSERVATION DOES NOT INCLUDE INSPECTION OF CONSTRUCTION PROCEDURES, METHODS AND JOB SITE SAFETY CONDITIONS. THESE VISITS SHALL NOT BE CONSTRUED AS CONTINUOUS AND DETAILED INSPECTIONS.
25. DIGITAL PHOTOGRAPHIC RECORDS:
   A. ALL BELOW GRADE IRRIGATION INSTALLATIONS AND PLANTING PITS THAT ARE COVERED UP WITHOUT LANDSCAPE ARCHITECT'S REVIEWS SHALL BE DIGITALLY PHOTOGRAPHED WITH THEIR CORRESPONDING LOCATIONS NOTE ON PLANS.
   B. ALL DIGITAL IMAGES SHALL BE IN SHARP FOCUS AND OF HIGH QUALITY RECORDINGS.
   C. MAIL A FLASH DRIVE CONTAINING ALL THE DIGITAL IMAGES TO LANDSCAPE ARCHITECT AND THE TOWN'S AUTHORIZED REPRESENTATIVE FOR THEIR REVIEWS AND RECORDS.
   D. FAILURE TO PROVIDE SUCH DIGITAL RECORDS MAY REQUIRE EXCAVATION OF WORK FOR REVIEW AT THE DISCRETIONS OF LANDSCAPE ARCHITECT AND/OR THE TOWN'S AUTHORIZED REPRESENTATIVE. ALL SUCH WORKS WILL BE PERFORMED AT CONTRACTOR'S EXPENSE.
26. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIRS AND/OR REPLACEMENTS OF ALL JOB SITE DAMAGES CAUSED BY ITS OPERATION.
27. COMPLETION OF WORK NOTICE SHALL BE ACCEPTED ONLY WHEN THE ENTIRE CONTRACT IS COMPLETED TO THE SATISFACTION OF THE TOWN'S AUTHORIZED REPRESENTATIVE.
28. ALL WORK EMBODIED ON THESE PLANS SHALL BE DONE IN CONFORMITY WITH APPLICABLE PROVISIONS OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2024 EDITION. THE CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND SPECIFICATIONS DATED 2024, THE STANDARD DRAWINGS ON FILE IN THE OFFICE OF THE TOWN ENGINEER, AND DEPARTMENT OF PUBLIC WORKS.
29. BY ACCEPTING THESE PLANS AND/OR PROCEEDING WITH THE IMPROVEMENTS HEREON, CONTRACTOR AGREES TO THE TERMS ABOVE.

CONTACTS

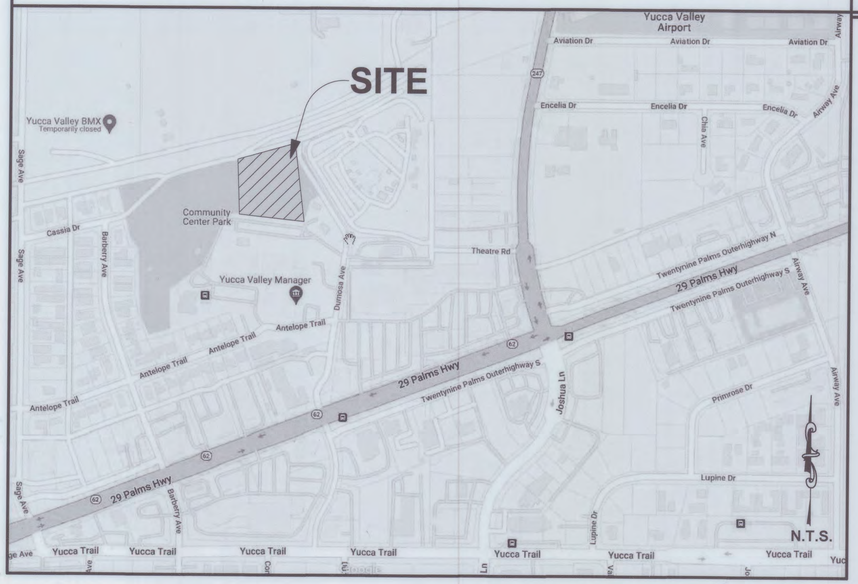
OWNER:
TOWN OF YUCCA VALLEY
58928 BUSINESS CENTER DRIVE
YUCCA VALLEY, CA 92284
760-369-6575
CONTACT: ALEX QISHTA
aqishta@yucca-valley.org

LANDSCAPE ARCHITECT:
RHA LANDSCAPE ARCHITECTS
6840 INDIANA AVE, SUITE 100
RIVERSIDE, CA 92506
951-781-1930 X 111
CONTACT: JENNIFER SALAZAR
jennifers@rhala.com

CIVIL ENGINEER:
DAVID BECKWITH & ASSOC.
9431 HAVEN AVE. SUITE 232
RANCHO CUCAMONGA, CA 91730
714-349-7007
CONTACT: DAVID BECKWITH
dbeckwith@dbainc.com

ELECTRICAL ENGINEER:
JCA ENGINEERING, INC.
8048 PALM AVENUE
HIGHLAND, CA 92346
909-864-0223
CONTACT: JAMES CORNS
james.corns@jcaeng.com

VICINITY MAP



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TRAFFIC CONTROL NOTE

IF REQUIRED, THE CONTRACTOR SHALL SUBMIT A T.C.P. FOR APPROVAL WITH THE TOWN, AND OBTAIN A PERMIT, 1 WEEK PRIOR TO THE START OF CONSTRUCTION OF AREA.

AS BUILT NOTE

CONTRACTOR SHALL PROVIDE AS-BUILT MARK-UP SET HARDCOPY TO THE TOWN OF YUCCA VALLEY AND LANDSCAPE ARCHITECT FOR REVIEW UPON COMPLETION OF PROJECT. LANDSCAPE ARCHITECT TO PROVIDE ASSISTANCE ON REVISING APPROVED PLANS.

SEAL

LICENSED LANDSCAPE ARCHITECT — DOUG GROVE No. 2799 — Signature 11/30/23 Renewal 10/31 08/09/24 Date — STATE OF CALIFORNIA

IT'S THE LAW ! DIAL BEFORE YOU DIG ! DIGALERT — CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING — 811 — UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 811

BENCH MARK NO.

REVISIONS

MARK	DATE	INITIAL	DESCRIPTION	DATE	APP'VD

PLANS PREPARED BY

RHA LANDSCAPE ARCHITECTS
6840 INDIANA AVENUE, SUITE 100, RIVERSIDE CA 92506
(951) 781-1930 DOUG@RHALA.COM

PREPARED UNDER THE SUPERVISION OF:

- DOUG GROVE - 09.09.24

RHA LANDSCAPE ARCHITECTS PLANNERS, INC

LIC. #2799
PH. (951) 781-1930
DOUG@RHALA.COM

TOWN OF YUCCA VALLEY, CALIFORNIA — INCORPORATED 1991

APPROVED BY:

PUBLIC WORKS DIRECTOR, ALEX QISHTA
R.C.E. 77602 — DATE 9/16/24

RECOMMENDED BY:

TOWN OF YUCCA VALLEY

Community Center Athletic Facility

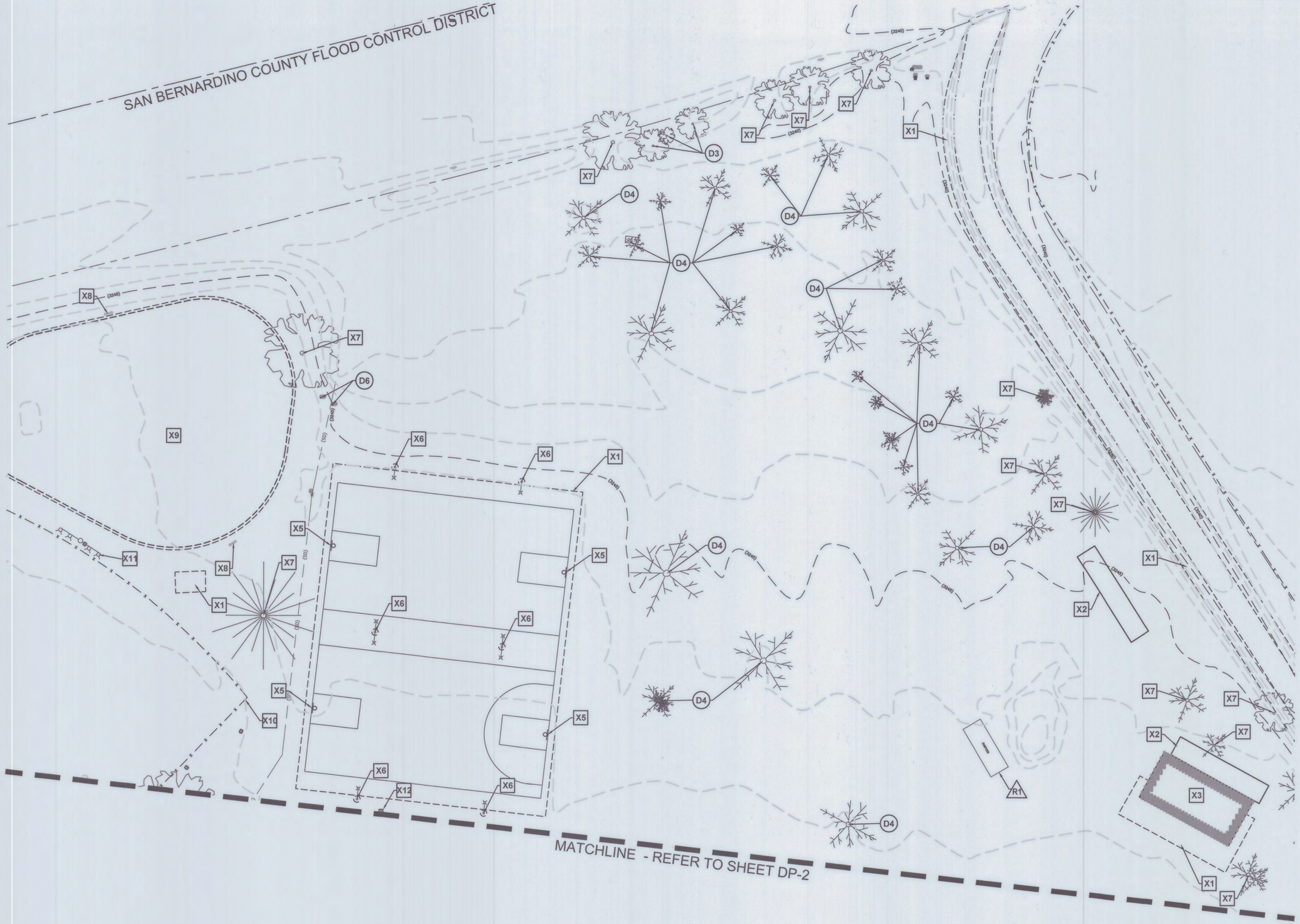
LANDSCAPE IMPROVEMENT PLANS

COVER SHEET

SHEET 1 OF 14 SHEETS

DRAWING NO. CV

SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT



DEMOLITION ITEMS - BASE BID

SYM.	QTY.	DESCRIPTION
D1	816 SF	REMOVE EXISTING PARKING STRIPING.
D2	17 EA	REMOVE EXISTING CONCRETE WHEELSTOPS.
D3	4 EA	REMOVE EXISTING TREE.
D4	32 EA	REMOVE EXISTING JOSHUA TREE.
D5	4 EA	REMOVE EXISTING SIGN.
D6	2 EA	REMOVE EXISTING BOLLARD

EXISTING ITEMS TO BE RELOCATED

SYM.	QTY.	DESCRIPTION
R1	1 EA	EXISTING DUMPSTER TO BE RELOCATED. NEW LOCATION PROVIDED BY TOWN REPRESENTATIVE.

EXISTING ITEMS TO REMAIN

SYM.	QTY.	DESCRIPTION
X1	LS	EXISTING CONCRETE TO REMAIN PROTECT IN PLACE
X2	LS	EXISTING SHED TO REMAIN PROTECT IN PLACE
X3	LS	EXISTING BUILDING TO REMAIN PROTECT IN PLACE
X4	LS	EXISTING ASPHALT PARKING LOT AND DRIVE AISLES TO REMAIN. PROTECT IN PLACE
X5	LS	EXISTING BASKETBALL POST AND NET TO REMAIN PROTECT IN PLACE
X6	LS	EXISTING BASKETBALL COURT LIGHTS TO REMAIN PROTECT IN PLACE
X7	LS	EXISTING TREE TO REMAIN PROTECT IN PLACE
X8	LS	EXISTING SIGN TO REMAIN PROTECT IN PLACE
X9	LS	EXISTING SKATEPARK TO REMAIN PROTECT IN PLACE
X10	LS	EXISTING FENCE TO REMAIN PROTECT IN PLACE
X11	LS	EXISTING LIGHT TO REMAIN PROTECT IN PLACE
X12	LS	EXISTING UTILITY TO REMAIN PROTECT IN PLACE

QUANTITIES ARE GIVEN FOR ESTIMATING PURPOSES ONLY. CONTRACTOR WILL BE RESPONSIBLE FOR INSTALLING MATERIAL IN ALL AREAS AS DESIGNATED ON PLAN AT NO ADDITIONAL COST TO THE COUNTY.

AUTOCAD FILES WILL BE PROVIDED TO CONTRACTOR PRIOR TO CONSTRUCTION FOR USE IN SURVEYING OF DEMOLITION AND IMPROVEMENTS

0' 20' 40' 60'

SEAL

LICENSED LANDSCAPE ARCHITECT — DOUGLAS GROVE NO. 2799 — Signature 11/30/20 — Renewal Date 08/09/24 — Date — STATE OF CALIFORNIA

IT'S THE LAW ! DIAL BEFORE YOU DIG ! DIGALERT — CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING — 811 — UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 811

BENCH MARK NO.

REVISIONS

MARK	DATE	INITIAL	DESCRIPTION	DATE	APP'VD

PLANS PREPARED BY

RHA LANDSCAPE ARCHITECTS
6840 INDIANA AVENUE, SUITE 100, RIVERSIDE CA 92506
(951) 781-1930 DOUGG@RHALA.COM
PREPARED UNDER THE SUPERVISION OF:
- DOUG GROVE - 09.09.24
RHA LANDSCAPE ARCHITECTS PLANNERS, INC
LIC. #2799
PH. (951) 781-1930
DOUGG@RHALA.COM

TOWN OF YUCCA VALLEY — INCORPORATED 1991 — CALIFORNIA

APPROVED BY:
PUBLIC WORKS DIRECTOR, ALEX QISHTA
R.C.E. 77602
9/18/24 DATE
RECOMMENDED BY:

TOWN OF YUCCA VALLEY

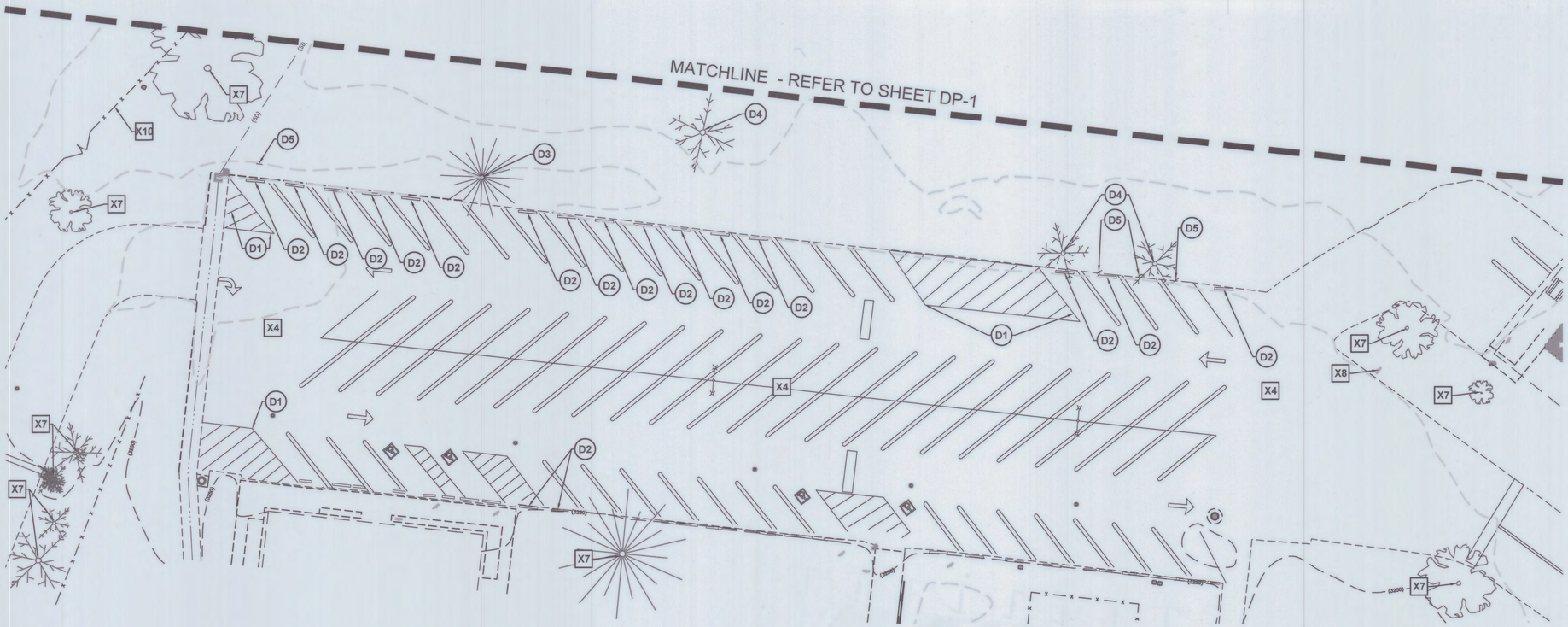
Community Center Athletic Facility

LANDSCAPE IMPROVEMENT PLANS

DEMOLITION PLAN

SHEET 2 OF 14 SHEETS

DRAWING NO. DP-1



DEMOLITION ITEMS - BASE BID

SYM.	QTY.	DESCRIPTION
D1	816 SF	REMOVE EXISTING PARKING STRIPING.
D2	17 EA	REMOVE EXISTING CONCRETE WHEELSTOPS.
D3	4 EA	REMOVE EXISTING TREE.
D4	32 EA	REMOVE EXISTING JOSHUA TREE.
D5	4 EA	REMOVE EXISTING SIGN.
D6	2 EA	REMOVE EXISTING BOLLARD

EXISTING ITEMS TO BE RELOCATED

SYM.	QTY.	DESCRIPTION
R1	1 EA	EXISTING DUMPSTER TO BE RELOCATED. NEW LOCATION PROVIDED BY TOWN REPRESENTATIVE.

EXISTING ITEMS TO REMAIN

SYM.	QTY.	DESCRIPTION
X1	LS	EXISTING CONCRETE TO REMAIN PROTECT IN PLACE
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QUANTITIES ARE GIVEN FOR ESTIMATING PURPOSES ONLY. CONTRACTOR WILL BE RESPONSIBLE FOR INSTALLING MATERIAL IN ALL AREAS AS DESIGNATED ON PLAN AT NO ADDITIONAL COST TO THE COUNTY.

AUTOCAD FILES WILL BE PROVIDED TO CONTRACTOR PRIOR TO CONSTRUCTION FOR USE IN SURVEYING OF DEMOLITION AND IMPROVEMENTS

0' 20' 40' 60'

SEAL

LICENSED LANDSCAPE ARCHITECT — DOUG GROVE NO. 2799 — Signature 11/30/25 Renewal Date 08/08/24 Date — STATE OF CALIFORNIA

IT'S THE LAW ! DIAL BEFORE YOU DIG ! DIGALERT — CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING — 811 — UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 811

BENCH MARK NO.

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LIC. #2799
PH. (951) 781-1930
DOUGG@RHALA.COM

TOWN OF YUCCA VALLEY, CALIFORNIA — INCORPORATED AS 1991

APPROVED BY:

PUBLIC WORKS DIRECTOR, ALEX QISHTA
R.C.E. 77602
DATE 9/18/24

RECOMMENDED BY:

TOWN OF YUCCA VALLEY

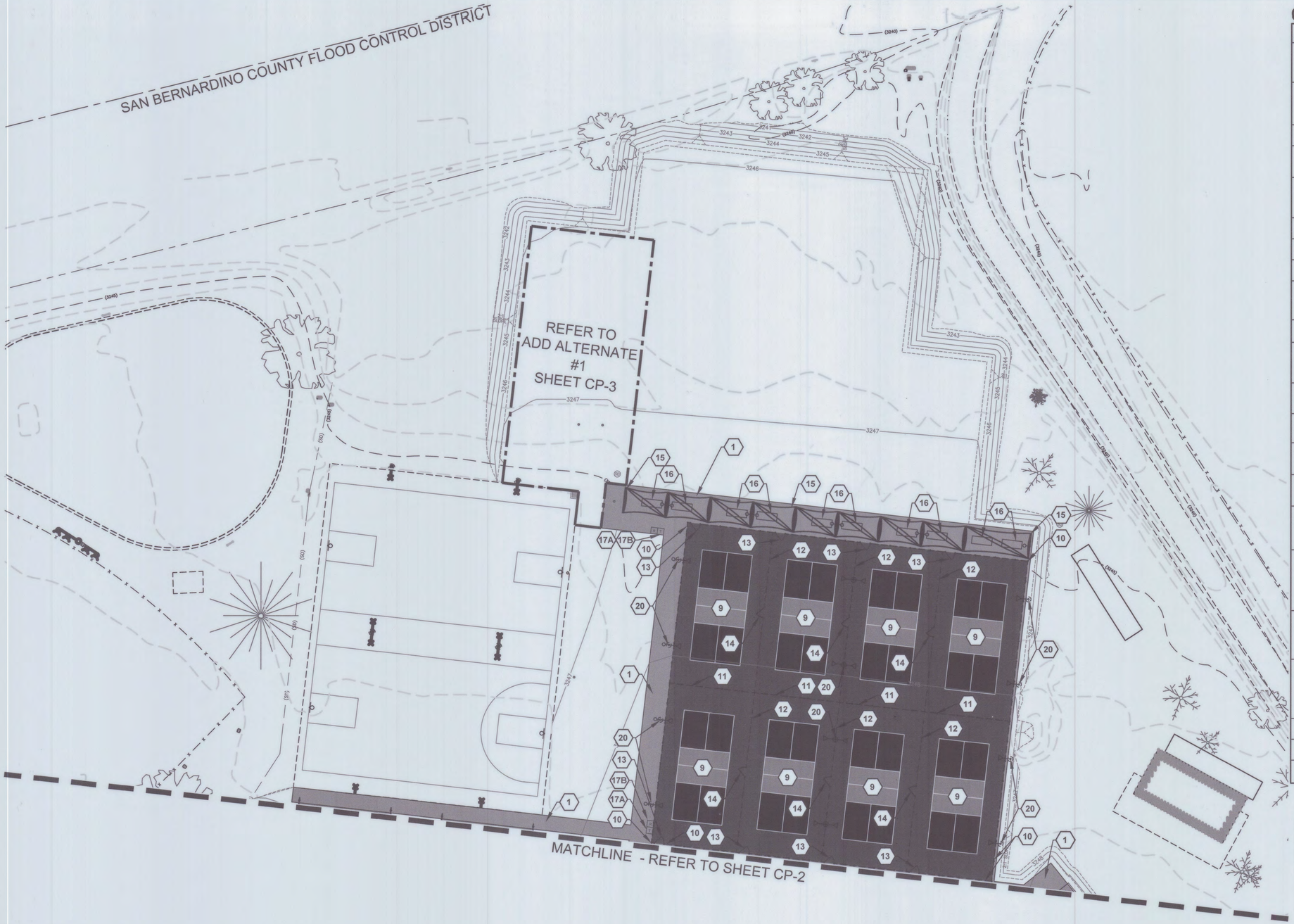
Community Center Athletic Facility

LANDSCAPE IMPROVEMENT PLANS

DEMOLITION PLAN

SHEET 3 OF 14 SHEETS

DRAWING NO. DP-2



CONSTRUCTION LEGEND

BID STATUS	SYM.	QTY.	DESCRIPTION	REMARKS/DETAIL
BASE BID	1	8,056 SF	CONSTRUCT 6" THICK NATURAL GRAY COLOR CONCRETE PAVING, MEDIUM BROOM FINISH, JOINTS PER PROJECT SPECIFICATIONS. JOIN FLUSH WITH EXISTING CONCRETE PAVING.	PER CIVIL ENGINEER'S PLANS DETAILS 'A' & 'B', SHEET CD-1
BASE BID	2	14,000 SF	CONSTRUCT 4" THICK AC PAVEMENT OVER 4.5" OF AGGREGATE BASE PER CIVIL ENGINEER'S PLANS.	PER CIVIL ENGINEER'S PLANS
BASE BID	3	28 LF	CONSTRUCT & INSTALL HANDRAILS	DETAIL 'I', SHEET CD-1
BASE BID	4	30 SF	FURNISH AND INSTALL 'SSTD-TRADITIONAL MAT SYSTEM' TRUNCATED DOMES ALONG ALL 0" CURB FACE. COLOR: YELLOW 'SAFETY STEP TD 866-723-3883)	PER CIVIL ENGINEER'S PLANS DETAIL D', SHEET CD-1
BASE BID	5	2 EA	FURNISH & INSTALL 5' LONG CONCRETE WHEEL STOPS. CONTRACTOR SHALL SUBMIT PRODUCT CUT SHEET TO TOWN FOR APPROVAL PRIOR TO PURCHASE AND INSTALL.	DETAIL 'E', SHEET CD-1 INSTALL PER MANUFACTURER'S SPECIFICATIONS
BASE BID	6	LS	PAINT PARKING STRIPING, ACCESSIBLE STALLS AND EV STALLS	DETAILS 'F', 'G' & 'H', SHEET CD-1
BASE BID	7A	2 EA	PROVIDE AND INSTALL ACCESSIBLE PARKING STALL SIGNS	DETAIL 'A', SHEET CD-2
N.I.C.	7B	4 EA	FUTURE EV PARKING STALLS SIGN LOCATIONS. FOR REFERENCE. NOT IN SCOPE OF CONTRACT.	DETAIL 'A', SHEET CD-2
BASE BID	8	2 EA	FUTURE EV CHARGING STATION LOCATIONS. ELECTRICALLY DESIGNED FOR CHARGEPOINT EXPRESS PLUS LEVEL 3 DUAL CABLE. AVAILABLE THROUGH CHARGEPOINT 1-888-758-4389	DETAIL 'B', SHEET CD-2 CHARGING STATIONS TO BE PROVIDED/ INSTALLED BY TOWN AT FUTURE DATE
BASE BID	9	8 EA	CONSTRUCT & INSTALL PICKLEBALL COURT PAVING, SURFACING, STRIPING AND NETTING.	DETAILS 'A' 'B' & 'C', SHEET CD-3
BASE BID	10	496 LF	CONSTRUCT & INSTALL 10' TALL GALVANIZED CHAIN LINK FENCE WITH BLACK VINYL COATING AND WINDSCREEN ON ALL FENCE MATERIAL AROUND PERIMETER OF PICKLEBALL COURTS.	DETAILS 'E' & 'G', SHEET CD-3
BASE BID	11	136 LF	CONSTRUCT & INSTALL 6' TALL GALVANIZED CHAIN LINK FENCE WITH BLACK VINYL COATING ON ALL FENCE MATERIAL.	DETAILS 'F' & 'G', SHEET CD-3
BASE BID	12	360 LF	CONSTRUCT & INSTALL 4' TALL GALVANIZED CHAIN LINK FENCE WITH BLACK VINYL COATING ON ALL FENCE MATERIAL.	DETAILS 'F' & 'G', SHEET CD-3
BASE BID	13	8 EA	CONSTRUCT & INSTALL 4' WIDE PERIMETER GALVANIZED CHAIN LINK PEDESTRIAN SWING GATE WITH BLACK VINYL COATING ON ALL FENCE MATERIAL.	DETAILS 'E' & 'G', SHEET CD-3
BASE BID	14	6 EA	CONSTRUCT & INSTALL 4' WIDE INTERIOR GALVANIZED CHAIN LINK PEDESTRIAN SWING GATE WITH BLACK VINYL COATING ON ALL FENCE MATERIAL.	DETAILS 'F' & 'G', SHEET CD-3
BASE BID	15	LS	FURNISH & INSTALL CUSTOM 10'X162' CANTILEVER SHADE STRUCTURE WITH ELECTRICAL AND LIGHTS PER ELECTRICAL PLANS. ESTIMATE #MPS1480 BY MIRACLE RECREATION 800-264-7225. ALLOW 3 MONTHS LEAD TIME.	DETAIL 'A', SHEET CD-4 PER MANUFACTURER SAIL AND FRAME COLOR SELECTED BY OWNER.
BASE BID	16	10 EA	FURNISH & INSTALL 8' DOUBLE PEDESTAL MYTCOAT BENCH WITH BACK EXPANDED METAL AND CENTER ARM DETERRENT, SURFACE MOUNT AND ADVANTAGE COATING COLOR: BROWN MODEL: BRT08-A-62-002. AVAILABLE THROUGH MIRACLE RECREATION 800-264-7225. ESTIMATE # MPS1489 3 MONTH LEAD TIME.	DETAIL 'C', SHEET CD-2 PER MANUFACTURER
BASE BID	17A	2 EA	FURNISH & INSTALL CONCRETE TRASH RECEPTACLE. COLOR: TIERRA TEXTURE: LIGHT SANDBLAST WITH ANTI-GRAFFITI COATING MODEL: 512. AVAILABLE THROUGH OUTDOOR CREATIONS 530-365-6106 TIM HUDSON. ESTIMATE # Q7973. ALLOW 5 MONTH LEAD TIME	DETAIL 'F', SHEET CD-2 PER MANUFACTURER
BASE BID	17B	2 EA	FURNISH & INSTALL CONCRETE RECYCLING RECEPTACLE. COLOR: TIERRA TEXTURE: LIGHT SANDBLAST WITH ANTI-GRAFFITI COATING MODEL: 512. AVAILABLE THROUGH OUTDOOR CREATIONS 530-365-6106 TIM HUDSON. ESTIMATE # Q7973. ALLOW 5 MONTH LEAD TIME.	DETAIL 'G', SHEET CD-2 PER MANUFACTURER
BASE BID	18	LS	CONCRETE STEPS REFER TO CIVIL ENGINEER'S PLANS.	REFER TO CIVIL ENGINEER'S PLANS
BASE BID	19	LS	PLANTER AREA. REFER TO LANDSCAPE PLANS.	REFER TO SHEET LP-1
BASE BID	20	LS	SITE LIGHTING. REFER TO ELECTRICAL ENGINEER'S PLANS.	REFER TO ELECTRICAL ENGINEER'S PLANS

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AUTOCAD FILES WILL BE PROVIDED TO CONTRACTOR PRIOR TO CONSTRUCTION FOR USE IN SURVEYING OF DEMOLITION AND IMPROVEMENTS

PRODUCT SUBSTITUTIONS:

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0' 20' 40' 60'

SEAL

LICENSED LANDSCAPE ARCHITECT DOUGLAS GROVE NO. 2799 Signature 11/30/25 Renewal Date 09/09/24 Date STATE OF CALIFORNIA

IT'S THE LAW ! DIAL BEFORE YOU DIG ! DIGALERT CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING 811 UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 811

BENCH MARK NO.

REVISIONS

MARK	DATE	INITIAL	DESCRIPTION	DATE	APP'VD

PLANS PREPARED BY

RHA LANDSCAPE ARCHITECTS
6840 INDIANA AVENUE, SUITE 100, RIVERSIDE CA 92506
(951) 781-1930 DOUGG@RHALA.COM

PREPARED UNDER THE SUPERVISION OF:

- DOUG GROVE - 09.09.24

RHA LANDSCAPE ARCHITECTS PLANNERS, INC

LIC. #2799
PH. (951) 781-1930
DOUGG@RHALA.COM

APPROVED BY:

PUBLIC WORKS DIRECTOR, ALEX QISHTA
R.C.E. 77602 — DATE 9/18/24

RECOMMENDED BY:

TOWN OF YUCCA VALLEY

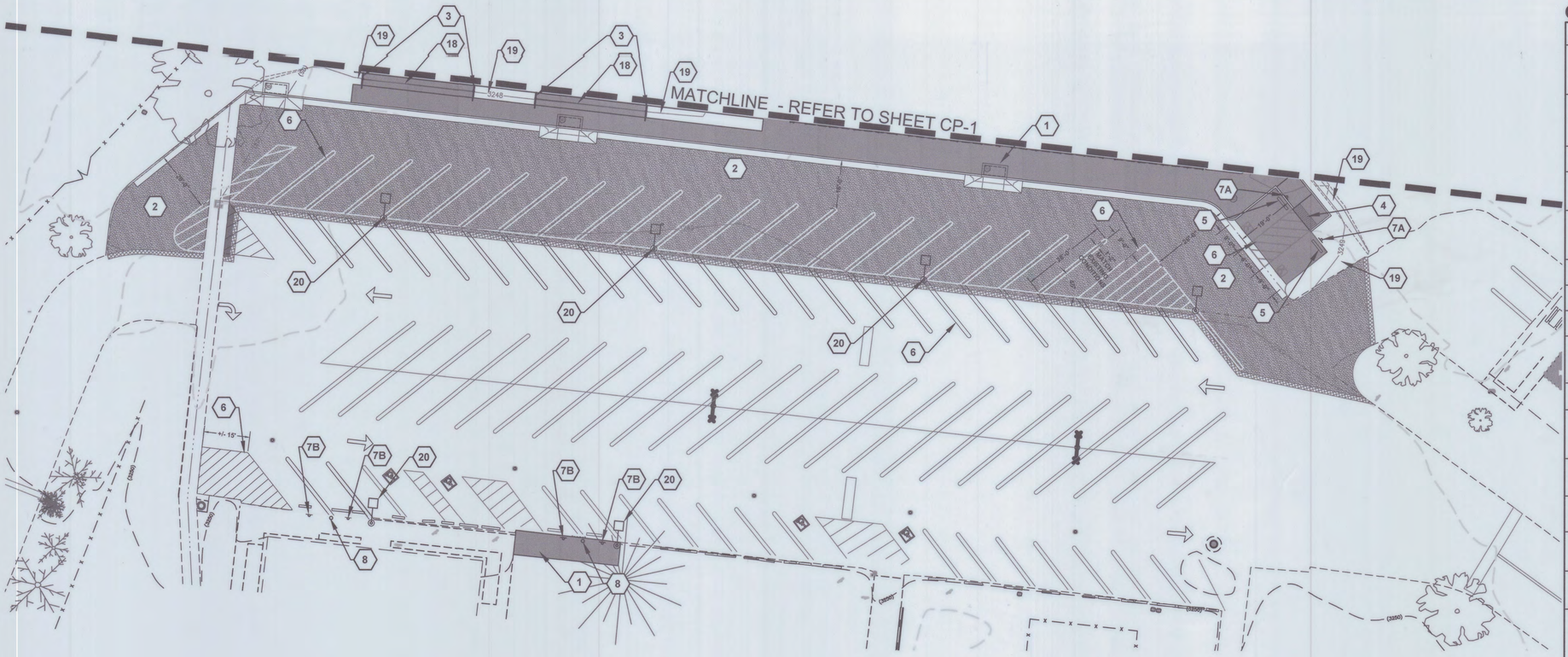
Community Center Athletic Facility

LANDSCAPE IMPROVEMENT PLANS

CONSTRUCTION PLAN - BASE BID

SHEET 4 OF 14 SHEETS

DRAWING NO. CP-1


MATCHLINE - REFER TO SHEET CP-1
+/- 18'
+/- 18'
+/- 18'



CONSTRUCTION LEGEND - COURTYARD ADD ALT #1

BID STATUS	SYM.	QTY.	DESCRIPTION	REMARKS/DETAIL
ADD ALT #1	1	1,908 SF 264 LF DEEPENED CURB EDGE	CONSTRUCT 6" THICK NATURAL GRAY COLOR CONCRETE PAVING, MEDIUM BROOM FINISH WITH DEEPENED CURB EDGE ADJACENT TO PAVER AREA. JOINTS PER PROJECT SPECIFICATIONS. JOIN FLUSH WITH EXISTING CONCRETE PAVING.	PER CIVIL ENGINEER'S PLANS DETAILS 'A' & 'B', SHEET CD-1 DETAIL 'C', SHEET CD-1
ADD ALT #1	2	3,225 SF PAVERS	FURNISH AND INSTALL 60MM MANOR BLEND COLORED VILLA CONCRETE PAVERS IN 2 PIECE PATTERN 12"X12" AND 8"X8" SIZES AVAILABLE THROUGH ORCO BLOCK.	DETAIL 'C', SHEET CD-1
ADD ALT #1	3A	6 EA	FURNISH & INSTALL 6' LONG CONCRETE PICNIC TABLE WITH INTEGRALLY CAST ANTI-SKATE DETERRENTS AND ANTI-GRAFFITI COATING. COLOR: TIERRA TEXTURE: LIGHT SANDBLAST MODEL: 101SSK. AVAILABLE THROUGH OUTDOOR CREATIONS 530-365-6106 TIM HUDSON. ESTIMATE # Q7973. ALLOW 5 MONTH LEAD TIME.	DETAIL 'D', SHEET CD-2 PER MANUFACTURER
ADD ALT #1	3B	2 EA	FURNISH & INSTALL 6' LONG ADA CONCRETE PICNIC TABLE WITH INTEGRALLY CAST ANTI-SKATE DETERRENTS AND ANTI-GRAFFITI COATING. COLOR: TIERRA TEXTURE: LIGHT SANDBLAST MODEL: 101SKLE. AVAILABLE THROUGH OUTDOOR CREATIONS 530-365-6106 TIM HUDSON. ESTIMATE # Q7973. ALLOW 5 MONTH LEAD TIME.	DETAIL 'E', SHEET CD-2 PER MANUFACTURER
ADD ALT #1	4A	1 EA	FURNISH & INSTALL CONCRETE TRASH RECEPTACLE. COLOR: TIERRA TEXTURE: LIGHT SANDBLAST WITH ANTI-GRAFFITI COATING MODEL: 512. AVAILABLE THROUGH OUTDOOR CREATIONS 530-365-6106 TIM HUDSON. ESTIMATE # Q7973. ALLOW 5 MONTH LEAD TIME	DETAIL 'F', SHEET CD-2 PER MANUFACTURER
ADD ALT #1	4B	1 EA	FURNISH & INSTALL CONCRETE RECYCLING RECEPTACLE. COLOR: TIERRA TEXTURE: LIGHT SANDBLAST WITH ANTI-GRAFFITI COATING MODEL: 512. AVAILABLE THROUGH OUTDOOR CREATIONS 530-365-6106 TIM HUDSON. ESTIMATE # Q7973. ALLOW 5 MONTH LEAD TIME.	DETAIL 'G', SHEET CD-2 PER MANUFACTURER
ADD ALT #1	5	2 SETS	FURNISH & INSTALL TRI-LEAF OVERHEAD SHADE STRUCTURE - MULTI-RIB CONFIGURATION WITH ELECTRICAL AND LIGHTS PER ELECTRICAL PLANS. FRAME COLOR: SURREY BEIGE ROOF COLOR: EVERGREEN. AVAILABLE THROUGH MIRACLE RECREATION 800-264-7225. POLIGON ESTIMATE # 1212. ALLOW 3 MONTH LEAD TIME. CITY TO PROVIDE.	DETAIL 'A', SHEET CD-5 PER MANUFACTURER
ADD ALT #1	6	LS	FURNISH AND INSTALL PREFABRICATED RESTROOM BUILDING NUMBER: 11983-6/13/2024-0 AVAILABLE THROUGH PUBLIC RESTROOM COMPANY; CONTACT CHRIS GAUGHAN (888-888-2060 x106). CONTRACTOR SHALL PREPARE MASE MATRIAL AND BUILDING PAD, AS WELL AS ARRANGE AND COORDINATE DELIVERY AND UTILITY CONNECTION. CONTRACTOR TO INSTALL ELECTRICAL, WATER AND SEWER TO BUILDING. PRC TO OFFLOAD, TRANSPORT, AND MAKE FINAL CONNECTIONS ALLOW FOR 9 MONTHS LEAD TIME.	DETAIL 'A', SHEET CD-6 PER MANUFACTURER SPECIFICATIONS
ADD ALT #1	7	72 LF	CONSTRUCT & INSTALL HANDRAILS	DETAIL 'B', SHEET CD-5
ADD ALT #1	8	550 LF	CONSTRUCT & INSTALL 6' TALL GALVANIZED CHAIN LINK FENCE WITH BLACK VINYL COATING ON ALL FENCE MATERIAL.	DETAIL 'D', SHEET CD-3
ADD ALT #1	9	LS	SHADE STRUCTURE SITE LIGHTING. REFER TO ELECTRICAL ENGINEER'S PLANS.	REFER TO ELECTRICAL ENGINEER'S PLANS
ADD ALT #1	10	LS	CHANNEL DRAIN PER CIVIL ENGINEER'S PLANS.	REFER TO CIVIL ENGINEER'S PLANS

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0' 20' 40' 60'

SEAL

LICENSED LANDSCAPE ARCHITECT — DOUGLAS GROVE NO. 2799 — Signature 11/20/23 — Renewal Date 08/28/24 — Date — STATE OF CALIFORNIA

IT'S THE LAW ! DIAL BEFORE YOU DIG ! — CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING — 811 — DIGALERT — UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 811

BENCH MARK NO.

REVISIONS

RK	DATE	INITIAL	DESCRIPTION	DATE	APP'VD

PLANS PREPARED BY

RHA LANDSCAPE ARCHITECTS
6840 INDIANA AVENUE, SUITE 100, RIVERSIDE CA 92506
(951) 781-1930 DOUGG@RHALA.COM
PREPARED UNDER THE SUPERVISION OF:
- DOUG GROVE - 09.09.24
RHA LANDSCAPE ARCHITECTS PLANNERS, INC
LIC. #2799
PH. (951) 781-1930
DOUGG@RHALA.COM

TOWN OF YUCCA VALLEY, CALIFORNIA — INCORPORATED 1991

APPROVED BY:
PUBLIC WORKS DIRECTOR, ALEX QISHTA
R.C.E. 77602
9/18/24 DATE

RECOMMENDED BY:

TOWN OF YUCCA VALLEY

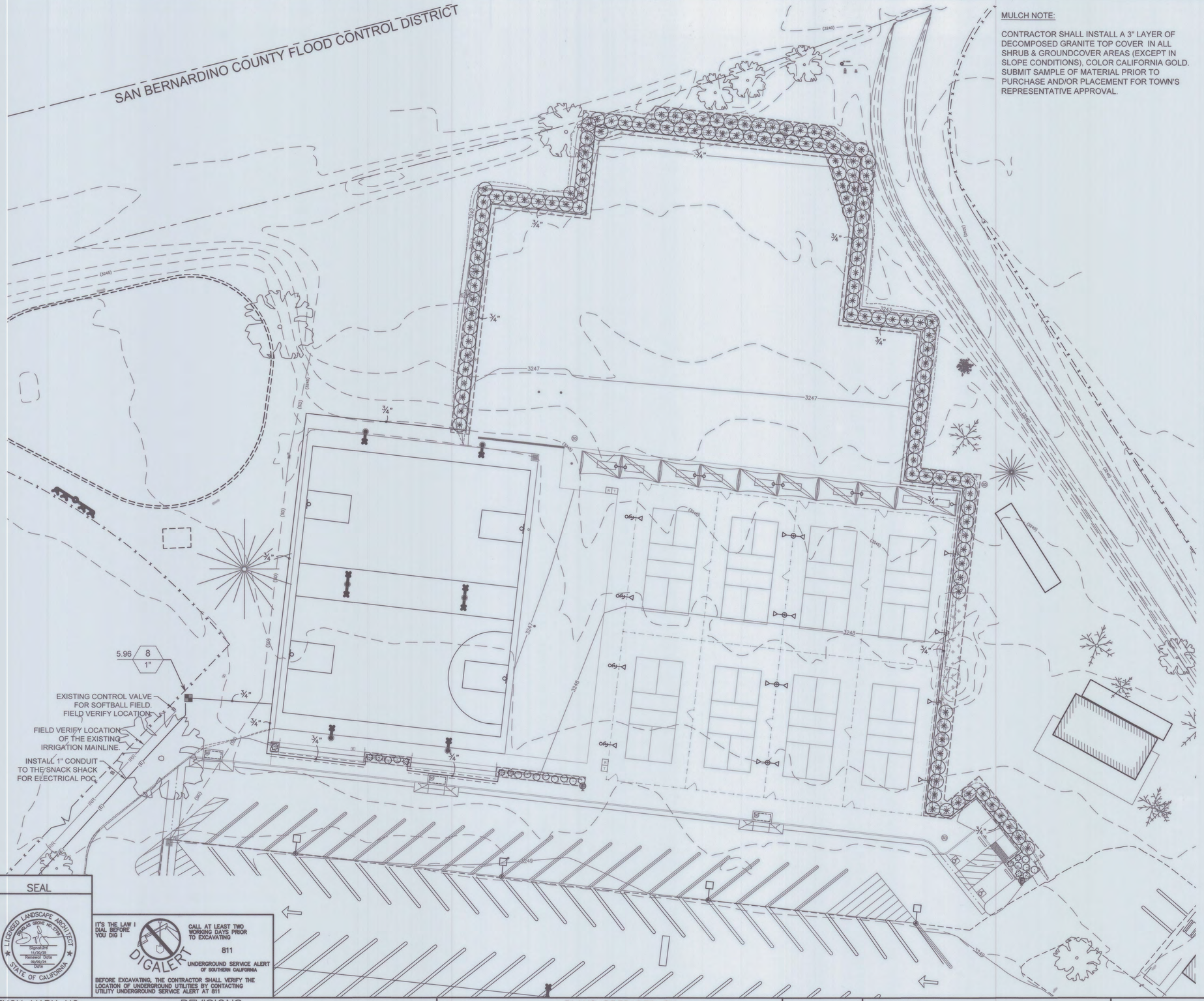
Community Center Athletic Facility

LANDSCAPE IMPROVEMENT PLANS

CONSTRUCTION PLAN - ADD ALTERNATE #1

SHEET 6 OF 14 SHEETS

DRAWING NO. CP-3



MULCH NOTE:

CONTRACTOR SHALL INSTALL A 3" LAYER OF DECOMPOSED GRANITE TOP COVER IN ALL SHRUB & GROUNDCOVER AREAS (EXCEPT IN SLOPE CONDITIONS), COLOR CALIFORNIA GOLD. SUBMIT SAMPLE OF MATERIAL PRIOR TO PURCHASE AND/OR PLACEMENT FOR TOWN'S REPRESENTATIVE APPROVAL.

PLANT SCHEDULE

SYMBOL	QTY	BOTANICAL / COMMON NAME	CONTAINER	WUCOLS	SPACING	DETAIL
SHRUBS						
✳	132	ACACIA REDOLENS 'DESERT CARPET' DESERT CARPET PROSTRATE ACACIA	1 GAL	LOW	72" o.c.	A/LD-1
❁	8	AGAVE PARRYI TRUNCATA ARTICHOKE PARRY'S AGAVE	15 GAL	VERY LOW	36" o.c.	A/LD-1
○	16	HESPERALOE PARVIFLORA RED YUCCA	15 GAL	LOW	36" o.c.	A/LD-1

IRRIGATION WATER P.O.C. NOTE

MAKE IRRIGATION POINT OF CONNECTION AT THE EXISTING IRRIGATION MAINLINE NEAR THE SOFTBALL FIELD.
INSTALL A DRIP CONTROL VALVE.
TRENCH AND INSTALL PVC LATERAL PIPE TO NEW PLANTER AREAS AS SHOWN.

ALL IRRIGATION IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE TOWN OF YUCCA VALLEY STANDARD PLANS.

INSTALL 1" PVC CONDUIT BETWEEN CONTROLLER LOCATION AND NEW DRIP VALVE FOR THE CONTROL WIRING. PROVIDE AND LABEL TWO (2) ADDITIONAL SPARE WIRES IN THIS CONDUIT. IRRIGATION CONTROLLER IS LOCATED IN THE ELECTRICAL ROOM ON THE SNACK SHACK THAT IS BEHIND HOME PLATE OF THE SOFTBALL FIELD.

CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION TO EXISTING IRRIGATION DESIGNATED TO REMAIN IN PLACE AT NO ADDITIONAL COST TO THE TOWN.

SCH 40 PVC SLEEVING CHART

1 1/4" SLEEVE	1-4 WIRES	1/2" PIPE
1 1/2" SLEEVE	5-10 WIRES	3/4" PIPE
2" SLEEVE	11-20 WIRES	1" PIPE
2 1/2" SLEEVE	21-30 WIRES	1 1/4"PIPE
3" SLEEVE	31-40 WIRES	1 1/2" PIPE
4" SLEEVE	41-60 WIRES	2" PIPE

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	DETAIL
■	DRIP CONTROL ZONE 1" RAINBIRD PESB CONTROL VALVE, NETAFIM 1" DISC FILTER, AND 40PSI HIGH FLOW PRESSURE REGULATOR.	B/LD-1
●	DRIP FLUSH VALVE INSTALL 3/4" PVC BALL VALVE AT END OF DRIP RUN.	G/LD-1
⋯	AREA TO RECEIVE DRIP EMITTERS GPH IRRIGATION GPST-CV-D THREADED PRESSURE COMPENSATING DRIP EMITTER WITH 1/2IN. FIPT INLET AND DIFFUSER CAP OUTLET IN DESERT CAMO COLOR. SPRING CHECK VALVE. GREEN = 2.0 GPM Emitter Notes: 2.0 GPH emitters (1 assigned to each 1 gal plant) 2.0 GPH emitters (1 assigned to each 5 gal plant) 2.0 GPH emitters (2 assigned to each 15 gal plant)	E/LD-1 F/LD-1

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	DETAIL
———	IRRIGATION LATERAL LINE: PVC SCHEDULE 40	C/LD-1
- - - - - - - -	PIPE SLEEVE: PVC SCHEDULE 40 TYPICAL PIPE SLEEVE FOR IRRIGATION PIPE. PIPE SLEEVE SIZES SHALL BE AT LEAST TWICE THE DAIMETER OF THE IRRIGATION PIPING OR WIRE BUNDLE. EXTEND SLEEVES 18 INCHES BEYOND EDGES OF PAVING OR CONSTRUCTION.	D/LD-1

Valve Callout
Valve Number
Valve Flow
Valve Size

0' 20' 40' 60'

SEAL

LICENSED LANDSCAPE ARCHITECT — DOUGLAS GROVE NO. 2799 — Signature 11/20/25 — Renewal Date 08/09/24 — Date — STATE OF CALIFORNIA

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BENCH MARK NO.

REVISIONS

MARK	DATE	INITIAL	DESCRIPTION	DATE	APP'VD

PLANS PREPARED BY

RHA LANDSCAPE ARCHITECTS
6840 INDIANA AVENUE, SUITE 100, RIVERSIDE CA 92506
(951) 781-1930 DOUGG@RHALA.COM
PREPARED UNDER THE SUPERVISION OF:
- DOUG GROVE - 09.09.24
RHA LANDSCAPE ARCHITECTS PLANNERS, INC
LIC. #2799
PH. (951) 781-1930
DOUGG@RHALA.COM

TOWN OF YUCCA VALLEY CALIFORNIA "INCORPORATED 1991"

APPROVED BY:

PUBLIC WORKS DIRECTOR, ALEX QISHTA
R.C.E. 77802
DATE 9/18/24

RECOMMENDED BY:

TOWN OF YUCCA VALLEY

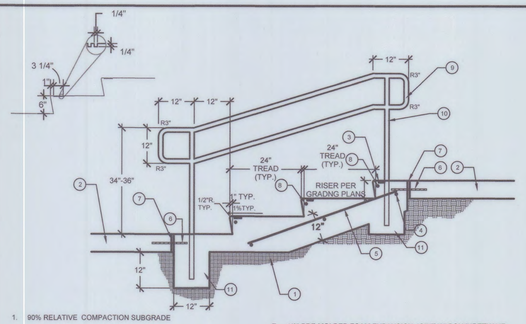
Community Center Athletic Facility

LANDSCAPE IMPROVEMENT PLANS

LANDSCAPE PLAN

SHEET 7 OF 14 SHEETS

DRAWING NO. LP-1

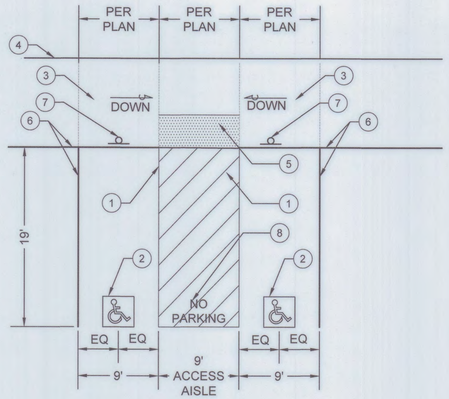


1. 90% RELATIVE COMPACTION SUBGRADE
2. ADJACENT HARDSCAPE PER PLAN
3. 6 EACH - 1/4" WIDE AND DEEP TOOL JOINT TO BEGIN 1" BEHIND NOSE. PAINT WITH BLACK CONCRETE PAINT (2 COATS). (EACH STEP) (SEE ENLARGEMENT ABOVE)
4. #4 REBAR @ 24" O.C. (CONT.) MIN 2" CLEARANCE FROM EDGE (TYP.)
5. #4 REBAR @24" O.C. CENTER IN SLAB
6. #4 DOWEL @24"O.C. (12"LONG) TOP & BOTTOM OF STAIRS WRAP W/ TAR PAPER ONE END
7. 1/2" PRE-MOLDED FOAM EXPANSION JOINT W/ POLYURETHANE CAULKING TO MATCH CONCRETE COLOR. SPRINKLE W/ SAND WHILE STILL WET.
8. #4 REBAR IN NOSE OF EACH STEP (2" CLR. MIN.)
9. 1 1/2" x 1 1/2" TUBULAR STEEL RAIL
10. 1 1/2" x 1 1/2" TUBULAR STEEL POST. CORE DRILL 3" DIA. HOLE AFTER CONCRETE HAS SET UP AND INSERT POST. FILL VOID WITH NON-SHRINK EPOXY. EMBED POST 12" MINIMUM INTO CONCRETE.
11. CONCRETE FOOTING 3250 PSI

I CONCRETE STAIRS WITH HANDRAIL

N.T.S.

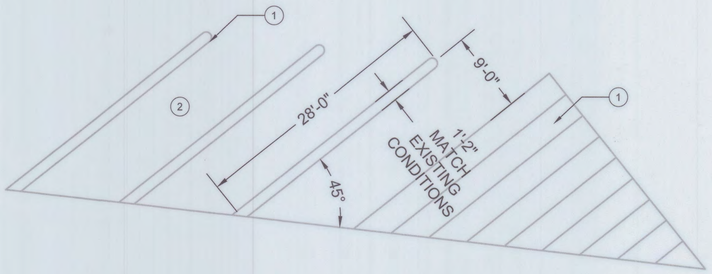
LEGEND
1. 4" LINES PAINTED BLUE WITH HATCHED LINES AT 36" MAX O.C.
2. 3' SQ. INTERNATIONAL SYMBOL OF ACCESSIBILITY, STENCILED IN BLUE PAINT
3. SLOPE CONCRETE WALK PER GRADING PLAN
4. EDGE OF CONCRETE PAVING PER PLAN
5. TRUNCATED DOMES PER PLAN
6. CONCRETE CURB PER PLAN
7. ACCESSIBLE PARKING SIGN
8. PAINT "NO PARKING" IN WHITE LETTERS A MINIMUM OF 12" IN HEIGHT



NOTES
- INSTALL STRIPING FOR PARKING STALLS AND OTHER MARKINGS AS SHOWN ON PLANS IN ACCORDANCE WITH STANDARD PUBLIC WORKS SPECIFICATIONS. CONFIRM WITH TOWN PRIOR TO PAINTING.
- ALL STRIPING SHALL RECEIVE THREE (3) COATS OF PAINT

F ACCESSIBLE PARKING

NTS

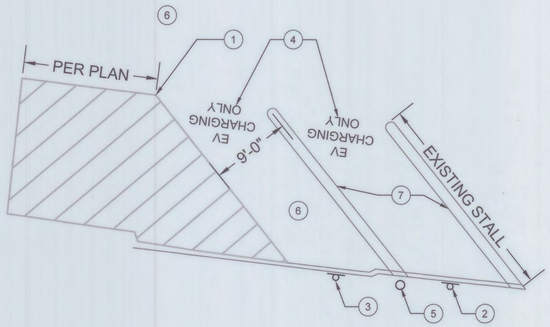


LEGEND
1. 4" LINES PAINTED WHITE LINES WITH HATCHED AREA LINES AT 36" MAX O.C.
2. ASPHALT PER PLANS.

NOTES
1. INSTALL STRIPING FOR PARKING STALLS AND OTHER MARKINGS AS SHOWN ON PLANS IN ACCORDANCE WITH STANDARD PUBLIC WORKS SPECIFICATIONS. STRIPING LAYOUT IS TYP. OF ALL ANGLED STALLS.
2. ALL STRIPING SHALL RECEIVE THREE (3) COATS OF PAINT, PER ENGINEER PLANS

G NEW ANGLED PARKING

NTS



LEGEND
1. NEW 4" LINES PAINTED WHITE LINES WITH HATCHED AREA LINES AT 36" MAX O.C.
2. FUTURE ELECTRICAL VEHICLE PARKING SIGN PER CBC. INSTALLED AT A FUTURE DATE.
3. FUTURE ELECTRICAL VAN VEHICLE PARKING SIGN PER CBC. INSTALLED AT A FUTURE DATE.
4. FUTURE PAINT "EV CHARGING ONLY" IN WHITE LETTERS 12" HIGH MIN. PER CBC 11B.812.9. LETTERS PAINTED AT A FUTURE DATE ONCE EV CHARGING STATIONS ARE INSTALLED.
5. FUTURE CHARGING STATION LOCATIONS PER PLANS
6. EXISTING ASPHALT
7. EXISTING PARKING STALL STRIPING

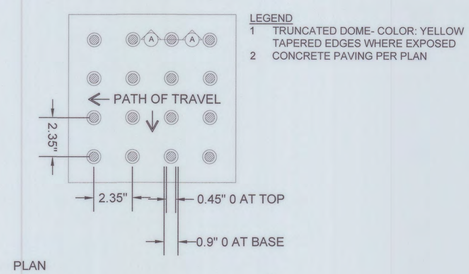
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H EVCS PARKING AT EXISTING ANGLED STALLS

NTS

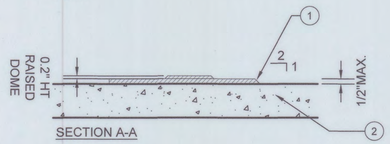
C CONCRETE PAVERS (ADD ALT #1)

NTS ICPI-16



PLAN

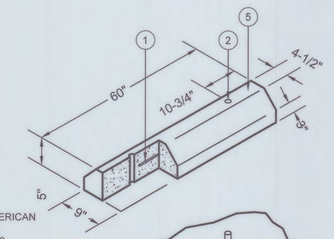
LEGEND
1. TRUNCATED DOME- COLOR: YELLOW TAPERED EDGES WHERE EXPOSED
2. CONCRETE PAVING PER PLAN



SECTION A-A

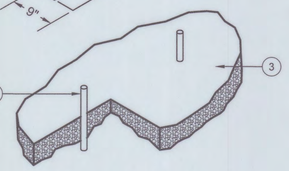
D TRUNCATED DOMES

NTS



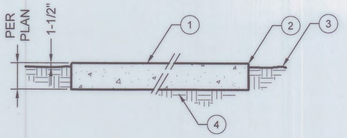
LEGEND:
1. (2 EACH) #3 REBAR AMERICAN GRADE 60
2. 5/8" ANCHORING HOLES
3. PAVING
4. 1/2"X12" REBAR ANCHOR RODS
5. 4000 PSI CONCRETE WHEEL STOP

NOTE: LOCATIONS PER PLAN



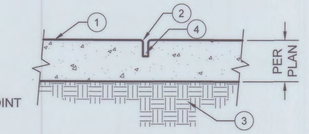
E WHEEL STOP

1" = 1'-0"



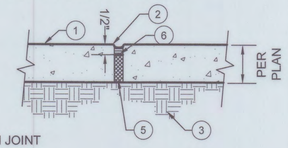
LEGEND
1. CONCRETE PAVING - FINISH/COLOR PER PLAN
2. 1/4" RADIUS
3. FINISH GRADE
4. COMPACTED SUBGRADE - PER SOILS REPORT

NOTES
A. PAVING THICKNESS, BASE PREPARATION AND REINFORCING ARE SHOWN FOR BID PURPOSES ONLY. VERIFY REQUIREMENTS PER CIVIL'S PLANS AND PER THE SOILS REPORT AND COMPLY.
B. PROVIDE FINISH SAMPLE PER PLAN.
C. REFER TO SOILS REPORT FOR REQUIRED REINFORCEMENT, JOINT SPACING, THICKENED EDGE, AND SUBGRADE PREPARATION.
D. JOIN CONCRETE TO EXISTING PAVING PER DETAIL 'B' ON THIS SHEET

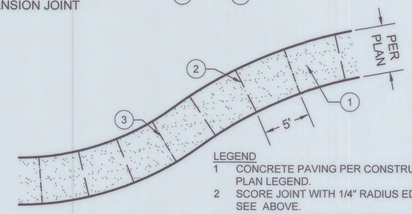


SCORE JOINT

LEGEND
1. CONCRETE PAVING - FINISH/COLOR PER PLAN
2. 1/4" RADIUS EDGE
3. COMPACTED SUBGRADE PER SOILS REPORT
4. AFTER PRELIMINARY SCREEDING, THE CONCRETE SHALL BE PARTED W/ A STRAIGHT EDGE TO A DEPTH OF 1/2 OF THE CONCRETE THICKNESS
5. 3/8" FOAM EXPANSION JOINT
6. POLYURETHANE CAULKING TO MATCH CONCRETE COLOR. SPRINKLE W/ SAND WHILE STILL WET



EXPANSION JOINT

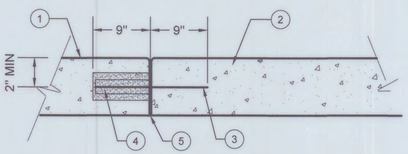


LEGEND
1. CONCRETE PAVING PER CONSTRUCTION PLAN LEGEND.
2. SCORE JOINT WITH 1/4" RADIUS EDGE, SEE ABOVE.
3. EXPANSION JOINT WITH 1/4" RADIUS EDGE @ 15' O.C. SEE ABOVE.

A CONCRETE PAVING WITH JOINTS

3/4" = 1'-0" DETAIL-FILE

LEGEND
1. EXISTING CONCRETE PAVING
2. NEW CONCRETE PAVING
3. 1/2"DIA. X 18" SMOOTH STEEL DOWEL WRAPPED IN TAR PAPER AT 48" O.C., TWO MINIMUM PER JOINT
4. DRILL A 1-1/2" DIA. X 3" HOLE IN THE EXISTING CONCRETE AND IMBED THE SLEEVE WITH EPOXY
5. EXPANSION JOINT 1/4" MAX



B CONCRETE JOINT AT EXISTING PAVING

NTS

SEAL

LICENSED LANDSCAPE ARCHITECT — STATE OF CALIFORNIA — Signature 11/26/25 — Renewal Date 08/08/24 — Date

IT'S THE LAW ! DIAL BEFORE YOU DIG ! DIGALERT — CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING — 811 — UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 811

BENCH MARK NO.

REVISIONS

MARK	DATE	INITIAL	DESCRIPTION	DATE	APP'VD

PLANS PREPARED BY

RHA LANDSCAPE ARCHITECTS
6840 INDIANA AVENUE, SUITE 100, RIVERSIDE CA 92506
(951) 781-1930 DOUGG@RHALA.COM
PREPARED UNDER THE SUPERVISION OF:
- DOUG GROVE - 09.09.24
RHA LANDSCAPE ARCHITECTS PLANNERS, INC
LIC. #2799
PH. (951) 781-1930
DOUGG@RHALA.COM

APPROVED BY:

PUBLIC WORKS DIRECTOR, ALEX QISHTA
R.C.E. 77802 — DATE 9/19/24

RECOMMENDED BY:

TOWN OF YUCCA VALLEY

Community Center Athletic Facility

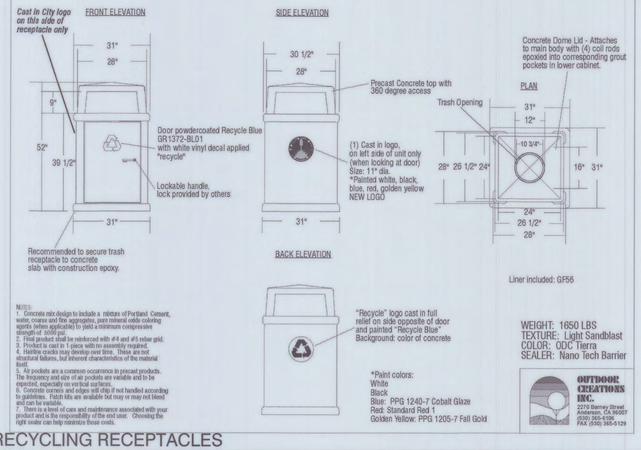
LANDSCAPE IMPROVEMENT PLANS

CONSTRUCTION DETAILS

SHEET 8 OF 14 SHEETS

DRAWING NO. CD-1

MODEL #512 - CONCRETE RECYCLE RECEPTACLE - SQUARE WITH LOCKING STEEL DOOR, FLAT SIDES, ROUND DEPOSIT TOWN OF YUCCA VALLEY, CA	OUTDOOR CREATIONS, INC.	SCALE: 1" = 24"
	CUSTOMER APPROVAL x	DRAWN BY: MNC 7/10/24



NOTES:
1. Concrete mix design to include a mixture of Portland Cement, water, coarse and fine aggregates, pure mineral oxide coloring agents (when applicable) to yield a minimum compressive strength of 5000 psi.
2. Final product shall be reinforced with #4 and #5 rebar grid.
3. Product is cast in 1-piece with no assembly required.
4. Hairline cracks may develop over time. These are not structural failures, but inherent characteristics of the material itself.
5. Air pockets are a common occurrence in precast products. The frequency and size of air pockets are variable and to be expected, especially on vertical surfaces.
6. Concrete corners and edges will chip if not handled according to guidelines. Patch kits are available but may or may not blend and can be variable.
7. There is a level of care and maintenance associated with your product and is the responsibility of the end user. Choosing the right sealer can help minimize those costs.

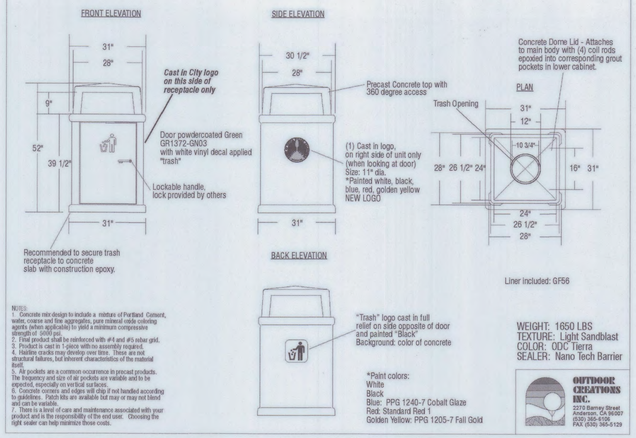
*Paint colors:
White
Black
Blue: PPG 1240-7 Cobalt Glaze
Red: Standard Red 1
Golden Yellow: PPG 1205-7 Fall Gold

WEIGHT: 1650 LBS
TEXTURE: Light Sandblast
COLOR: ODC Tierra
SEALER: Nano Tech Barrier

OUTDOOR CREATIONS INC.
2270 Barney Street
Anderson, CA 96007
(530) 365-6106
FAX (530) 365-5129

G RECYCLING RECEPTACLES
NTS

MODEL #512 - CONCRETE WASTE RECEPTACLE - SQUARE WITH LOCKING STEEL DOOR, FLAT SIDES, ROUND DEPOSIT TOWN OF YUCCA VALLEY, CA	OUTDOOR CREATIONS, INC.	SCALE: 1" = 24"
	CUSTOMER APPROVAL x	DRAWN BY: MNC 7/10/24



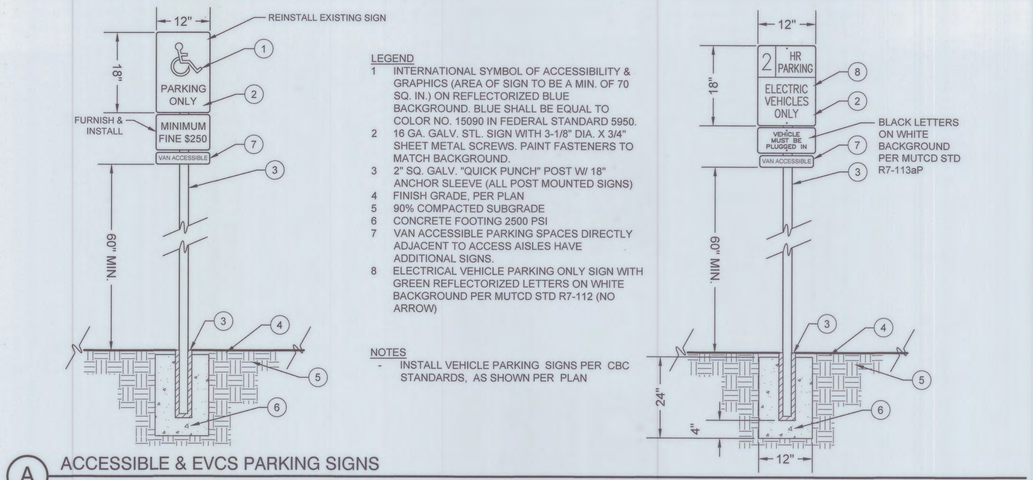
NOTES:
1. Concrete mix design to include a mixture of Portland Cement, water, coarse and fine aggregates, pure mineral oxide coloring agents (when applicable) to yield a minimum compressive strength of 5000 psi.
2. Final product shall be reinforced with #4 and #5 rebar grid.
3. Product is cast in 1-piece with no assembly required.
4. Hairline cracks may develop over time. These are not structural failures, but inherent characteristics of the material itself.
5. Air pockets are a common occurrence in precast products. The frequency and size of air pockets are variable and to be expected, especially on vertical surfaces.
6. Concrete corners and edges will chip if not handled according to guidelines. Patch kits are available but may or may not blend and can be variable.
7. There is a level of care and maintenance associated with your product and is the responsibility of the end user. Choosing the right sealer can help minimize those costs.

*Paint colors:
White
Black
Blue: PPG 1240-7 Cobalt Glaze
Red: Standard Red 1
Golden Yellow: PPG 1205-7 Fall Gold

WEIGHT: 1650 LBS
TEXTURE: Light Sandblast
COLOR: ODC Tierra
SEALER: Nano Tech Barrier

OUTDOOR CREATIONS INC.
2270 Barney Street
Anderson, CA 96007
(530) 365-6106
FAX (530) 365-5129

F TRASH RECEPTACLES
NTS

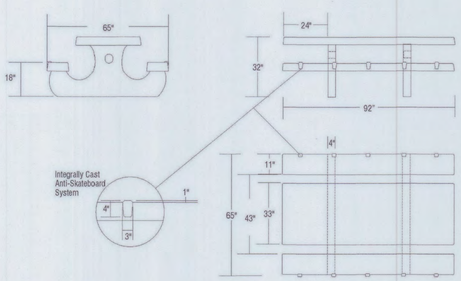


LEGEND
1 INTERNATIONAL SYMBOL OF ACCESSIBILITY & GRAPHICS (AREA OF SIGN TO BE A MIN. OF 70 SQ. IN.) ON REFLECTORIZED BLUE BACKGROUND. BLUE SHALL BE EQUAL TO COLOR NO. 15090 IN FEDERAL STANDARD 5950.
2 16 GA. GALV. STL. SIGN WITH 3-1/8" DIA. X 3/4" SHEET METAL SCREWS. PAINT FASTENERS TO MATCH BACKGROUND.
3 2" SQ. GALV. "QUICK PUNCH" POST W/ 18" ANCHOR SLEEVE (ALL POST MOUNTED SIGNS)
4 FINISH GRADE, PER PLAN
5 90% COMPACTED SUBGRADE
6 CONCRETE FOOTING 2500 PSI
7 VAN ACCESSIBLE PARKING SPACES DIRECTLY ADJACENT TO ACCESS AISLES HAVE ADDITIONAL SIGNS.
8 ELECTRICAL VEHICLE PARKING ONLY SIGN WITH GREEN REFLECTORIZED LETTERS ON WHITE BACKGROUND PER MUTCD STD R7-112 (NO ARROW)

NOTES
- INSTALL VEHICLE PARKING SIGNS PER CBC STANDARDS, AS SHOWN PER PLAN

A ACCESSIBLE & EVCS PARKING SIGNS
NTS

MODEL #1003SK CONCRETE PICNIC TABLE WITH INTEGRALLY CAST ANTI-SKATE DETERRENTS TOWN OF YUCCA VALLEY, CA	OUTDOOR CREATIONS, INC.	SCALE: 1" = 32"
	CUSTOMER APPROVAL x	DRAWN BY: MNC 7/10/24



NOTES:
1. Concrete mix design to include a mixture of Portland Cement, water, coarse and fine aggregates, pure mineral oxide coloring agents (when applicable) to yield a minimum compressive strength of 5000 psi.
2. Final product shall be reinforced with #4 and #5 rebar grid.
3. Product is cast in 1-piece with no assembly required.
4. Hairline cracks may develop over time. These are not structural failures, but inherent characteristics of the material itself.
5. Air pockets are a common occurrence in precast products. The frequency and size of air pockets are variable and to be expected, especially on vertical surfaces.
6. Concrete corners and edges will chip if not handled according to guidelines. Patch kits are available but may or may not blend and can be variable.
7. There is a level of care and maintenance associated with your product and is the responsibility of the end user. Choosing the right sealer can help minimize those costs.

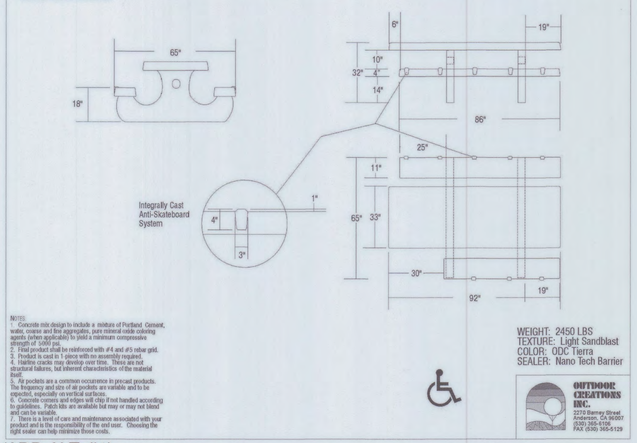
WEIGHT: 2450 LBS
TEXTURE: Light Sandblast
COLOR: ODC Tierra
SEALER: Nano Tech Barrier

* Wheelchair Accessibility available at both ends of table to meet A.D.A. Guidelines

OUTDOOR CREATIONS INC.
2270 Barney Street
Anderson, CA 96007
(530) 365-6106
FAX (530) 365-5129

D PICNIC TABLE (ADD ALT #1)
NTS

MODEL #100SSKLE CONCRETE PICNIC TABLE WITH INTEGRALLY CAST ANTI-SKATE DETERRENTS SIDE ENTRANCE TABLE - LEFT ENTRANCE TOWN OF YUCCA VALLEY CA	OUTDOOR CREATIONS, INC.	SCALE: 1" = 32"	MAN. TOL. +/- 1/4"
	CUSTOMER APPROVAL x	DRAWN BY: MNC 7/10/24	

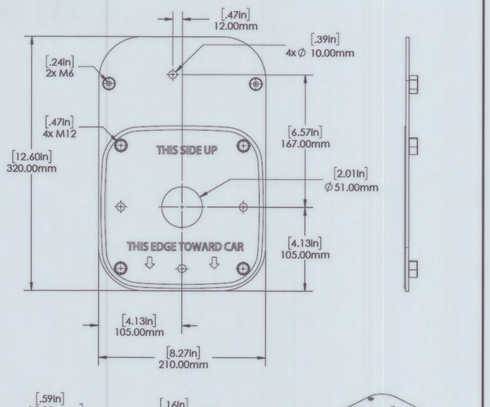


NOTES:
1. Concrete mix design to include a mixture of Portland Cement, water, coarse and fine aggregates, pure mineral oxide coloring agents (when applicable) to yield a minimum compressive strength of 5000 psi.
2. Final product shall be reinforced with #4 and #5 rebar grid.
3. Product is cast in 1-piece with no assembly required.
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5. Air pockets are a common occurrence in precast products. The frequency and size of air pockets are variable and to be expected, especially on vertical surfaces.
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7. There is a level of care and maintenance associated with your product and is the responsibility of the end user. Choosing the right sealer can help minimize those costs.

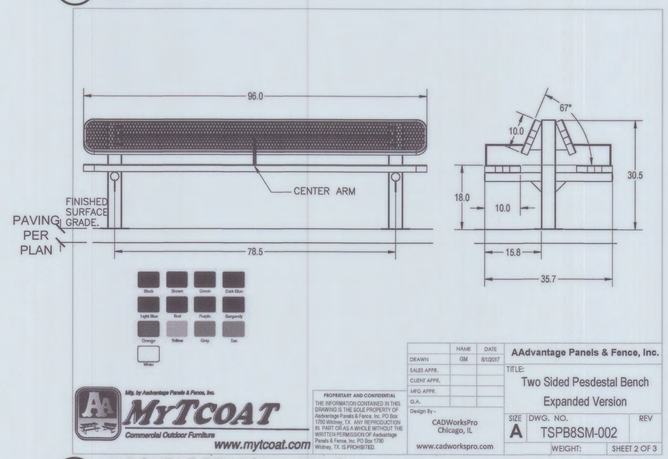
WEIGHT: 2450 LBS
TEXTURE: Light Sandblast
COLOR: ODC Tierra
SEALER: Nano Tech Barrier

OUTDOOR CREATIONS INC.
2270 Barney Street
Anderson, CA 96007
(530) 365-6106
FAX (530) 365-5129

E ADA PICNIC TABLE (ADD ALT #1)
NTS



B EV CHARGER ANCHOR PLATE
NTS



MFG by Advantage Panels & Fence, Inc.
MYTCOAT
Commercial Outdoor Furniture
www.mytcoat.com

PROPRIETARY AND CONFIDENTIAL
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	NAME	DATE
DRAWN	GM	8/1/2017
SALES APPR.		
CLIENT APPR.		
MFG APPR.		
Q.A.		

Design By -
CADWorksPro
Chicago, IL
www.cadworkspro.com

AAdvantage Panels & Fence, Inc.
TITLE: Two Sided Pesdestal Bench Expanded Version
SIZE A | DWG. NO. TSPB8SM-002 | REV
WEIGHT: | SHEET 2 OF 3

C 8' DOUBLE PEDESTAL BENCH
NTS

SEAL

LICENSED LANDSCAPE ARCHITECT
CERTIFICATE NO. 2799
Signature
11/30/25
Renewal Date
09/09/24
Date
STATE OF CALIFORNIA

IT'S THE LAW ! DIAL BEFORE YOU DIG !
DIGALERT
CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING
811
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA
BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 811

BENCH MARK NO.

REVISIONS

MARK	DATE	INITIAL	DESCRIPTION	DATE	APP'VD

PLANS PREPARED BY

RHA LANDSCAPE ARCHITECTS
6840 INDIANA AVENUE, SUITE 100, RIVERSIDE CA 92506
(951) 781-1930 DOUGG@RHALA.COM

PREPARED UNDER THE SUPERVISION OF:
- DOUG GROVE - 09.09.24

RHA LANDSCAPE ARCHITECTS PLANNERS, INC

LIC. #2799
PH. (951) 781-1930
DOUGG@RHALA.COM

TOWN OF YUCCA VALLEY, CALIFORNIA 1942, INCORP. JULY 22, 1991

APPROVED BY:
PUBLIC WORKS DIRECTOR, ALEX QISHTA
R.C.E. 77602
9/18/24
DATE

RECOMMENDED BY:

TOWN OF YUCCA VALLEY

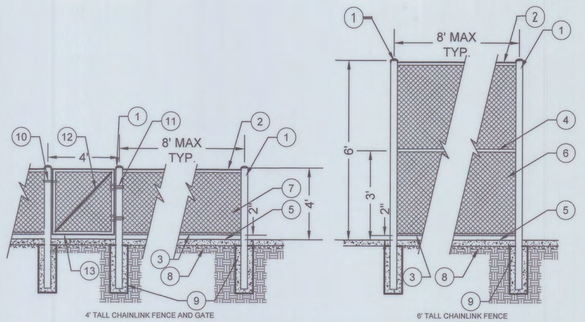
Community Center Athletic Facility

LANDSCAPE IMPROVEMENT PLANS

CONSTRUCTION DETAILS

SHEET 9 OF 14 SHEETS

DRAWING NO. CD-2



4' TALL CHAINLINK FENCE AND GATE

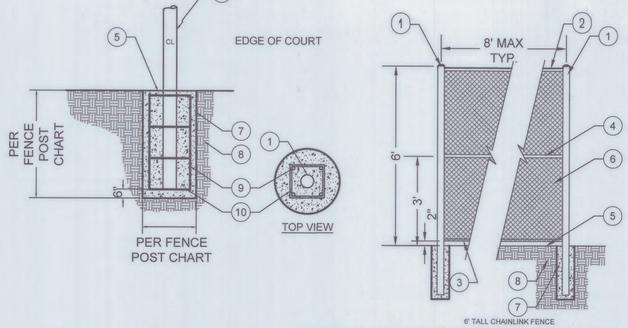
6' TALL CHAINLINK FENCE

CHAIN LINK FENCE				
POST SIZE		FOOTING		CHAIN LINK FENCE MATERIALS
POSTS & RAILS	PIPE DIA.	FTG. DEPTH	FTG. DIA.	CHAIN LINK FABRIC-1 3/4" MESH, 9 GA. GALV. ASTM A392, CLASS 2
4' LINE	2.38" O.D.	2'	1'-6"	TRUSS RODS-3/8" GALV.
4' END	2.38" O.D.	2'	1'-6"	STRETCHER BAR-1/4"X3/4" GALV.
6' LINE	2.38" O.D.	3'	1'-6"	NOTES: 1. ALL CHAIN LINK FABRIC TO BE KNUCKLED SELVAGE TOP & BOT. 2. POST DIA. ARE STD. NOMINAL PIPE SIZE. 3. TACK WELD ALL FASTENERS
6' END	2.38" O.D.	3'	1'-6"	
TOP, MIDDLE, BOTTOM RAILS	1.660" O.D.	-	-	ALL FENCE POSTS, GATE FRAMES, CHAIN LINK FABRIC & ALL STEEL PARTS SHALL BE VINYL COATED

LEGEND
1 LINE, END, OR CORNER POST FENCING, STEEL TUBING POSTS CAPPED
2 TOP RAIL
3 BOTTOM RAIL
4 MID RAIL
5 COURT SURFACE PER PLAN
6 CHAINLINK FENCE FABRIC ON COURT SIDE NO WINDSCREEN (6' PERIMETER COURT FENCE)
7 CHAINLINK FENCE FABRIC ON COURT SIDE - NO WINDSCREEN
8 BASE PER COURT PAVING DETAIL 'C' THIS SHEET
9 CHAIN LINK FENCE POST CONCRETE FOOTING PER DETAIL 'G' THIS SHEET (REFER TO CHART FOR DEPTH)
10 SELF LATCHING LATCH FORK TYPE W/ LEVER
11 SELF CLOSING HINGES - 8.5 LBS MAX FORCE (TYP)
12 DIAGONAL BRACE
13 GATE FRAME. REFER TO PLAN FOR GATE SWING DIRECTION.

F 4' AND 6' TALL INTERIOR PICKLEBALL COURT FENCING

1/4"=1'-0"



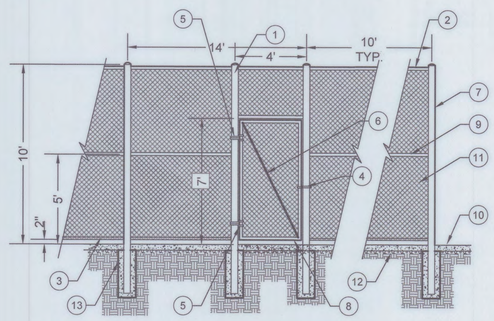
6' TALL CHAINLINK FENCE

CHAIN LINK FENCE				
POST SIZE		FOOTING		CHAIN LINK FENCE MATERIALS
POSTS & RAILS	PIPE DIA.	FTG. DEPTH	FTG. DIA.	CHAIN LINK FABRIC-1 3/4" MESH, 9 GA. GALV. ASTM A392, CLASS 2
6' LINE	2.38" O.D.	3'	1'-6"	TRUSS RODS-3/8" GALV.
6' END	2.38" O.D.	3'	1'-6"	STRETCHER BAR-1/4"X3/4" GALV.
				NOTES: 1. ALL CHAIN LINK FABRIC TO BE KNUCKLED SELVAGE TOP & BOT. 2. POST DIA. ARE STD. NOMINAL PIPE SIZE. 3. TACK WELD ALL FASTENERS
TOP, MIDDLE, BOTTOM RAILS	1.660" O.D.	-	-	ALL FENCE POSTS, RAILS, CHAIN LINK FABRIC & ALL STEEL PARTS SHALL BE VINYL COATED

LEGEND
1 LINE, END, OR CORNER POST FENCING, STEEL TUBING POSTS CAPPED
2 TOP RAIL
3 BOTTOM RAIL
4 MID RAIL
5 SURFACE PER PLAN
6 CHAINLINK FENCE FABRIC ON COURT SIDE
7 FENCE POST CONCRETE FOOTING (REFER TO CHART BELOW FOR DEPTH)
8 90% COMPACTED SUB-GRADE
9 #8 VERTICAL REBAR
10 #3 TIES @ 12" O.C. (3 MIN.)

D 6' TALL PERIMETER FENCE (ADD ALT #1)

1/8"=1'-0"

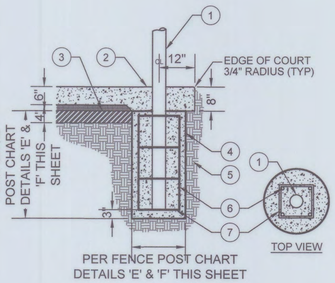


LEGEND
1 CORNER POST FENCING, STEEL TUBING POSTS SPACED @ 10' O.C. MAX. CAPPED
2 TOP RAIL
3 BOTTOM RAIL
4 SELF LATCHING LATCH FORK TYPE W/ LEVER
5 SELF CLOSING HINGES - 8.5 LBS MAX FORCE (TYP)
6 DIAGONAL BRACE
7 LINE POST
8 GATE FRAME
9 MID RAIL
10 COURT SURFACE PER PLAN
11 CHAINLINK FENCE FABRIC ON COURT SIDE WITH WINDSCREEN
12 BASE PER COURT PAVING DETAIL 'C' THIS SHEET
13 CHAIN LINK FENCE POST CONCRETE FOOTING PER DETAIL 'G' THIS SHEET (REFER TO CHART BELOW FOR DEPTH)

CHAIN LINK FENCE				
POST SIZE		FOOTING		CHAIN LINK FENCE MATERIALS
POSTS & RAILS	PIPE DIA.	FTG. DEPTH	FTG. DIA.	CHAIN LINK FABRIC-1 3/4" MESH, 9 GA. GALV. ASTM A392, CLASS 2
10' LINE	4.5" O.D.	5'-0"	1'-6"	TRUSS RODS-3/8" GALV.
10' END	4.5" O.D.	5'-0"	1'-6"	STRETCHER BAR-1/4"X3/4" GALV.
10' CORNER	4.5" O.D.	5'-0"	1'-6"	NOTES: 1. ALL CHAIN LINK FABRIC TO BE KNUCKLED SELVAGE TOP & BOT. 2. POST DIA. ARE STD. NOMINAL PIPE SIZE. 3. TACK/FIELD ALL FASTENERS
TOP, MIDDLE, BOTTOM RAILS	1.660" O.D.	-	-	ALL FENCE POSTS, GATE FRAMES, CHAIN LINK FABRIC & ALL STEEL PARTS SHALL BE VINYL COATED POLYPRO TENNIS 85% OPACITY WINDSCREEN

E 10' TALL PERIMETER PICKLEBALL COURT FENCING

1/4"=1'-0"

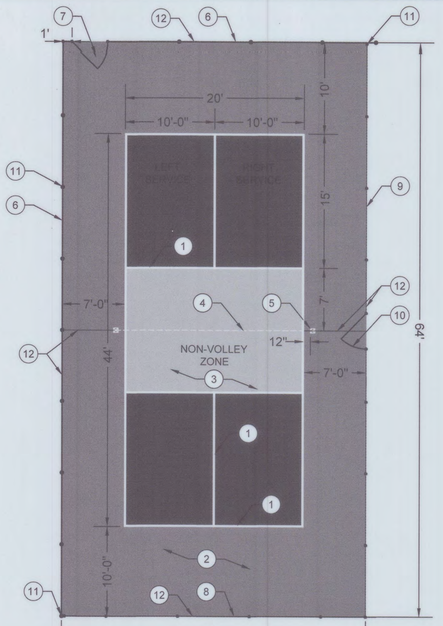


PER FENCE POST CHART DETAILS 'E' & 'F' THIS SHEET

LEGEND
1 FENCE POST
2 COURT SURFACE
3 SUB-GRADE PER COURT PAVING DETAIL 'C' THIS SHEET
4 CONCRETE FOOTING
5 90% COMPACTED SUB-GRADE
6 #8 VERTICAL REBAR
7 #3 TIES @ 12" O.C. (3 MIN.)

G PICKLEBALL COURT FENCE POST

NTS



LEGEND
1 2" WIDE WHITE PLEXICOLOR LINE STRIPES
2 PLEXIPAVE COURT SURFACING - DARK GREEN COLOR (TO BE APPROVED BY TOWN REPRESENTATIVE PRIOR TO INSTALLATION)
3 PLEXIPAVE COURT SURFACING - BLUE COLOR WITH LIGHT BLUE KITCHEN (TO BE APPROVED BY TOWN REPRESENTATIVE PRIOR TO INSTALLATION)
4 PICKLEBALL NET, REFER TO DETAIL 'B', THIS SHEET
5 NET POST, REFER TO DETAIL 'B', THIS SHEET
6 10' HIGH PERIMETER CHAINLINK FENCING WITH 9' 'TUFFY' WINDSCREEN OPEN MESH (MIDNIGHT GREEN) INSIDE THE PERIMETER OF THE COURTS AVAILABLE FROM BSN SPORTS. 800.856.3488. PER DETAIL 'E', THIS SHEET
7 4' WIDE PERIMETER GATE PER DETAIL 'E', THIS SHEET. REFER TO PLAN FOR LOCATION.
8 6' HIGH INTERIOR CHAINLINK FENCING. REFER TO PLANS FOR LOCATION. PER DETAIL 'F', THIS SHEET
9 4' HIGH INTERIOR CHAINLINK FENCING. REFER TO PLANS FOR LOCATIONS. PER DETAIL 'F', THIS SHEET
10 4' WIDE INTERIOR GATE PER DETAIL 'F', THIS SHEET. REFER TO PLAN FOR LOCATION.
11 FENCE POST
12 EXPANSION JOINT PER COURT PAVING DETAIL 'C', THIS SHEET

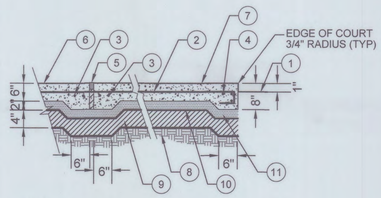
NOTES
LAYOUT OF FINISHED PICKLEBALL COURT SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT EDITION OF INTERNATIONAL FEDERATION OF PICKLEBALL (IFP) OFFICIAL TOURNAMENT RULE BOOK.

FINISHED COURT SURFACING SHALL BE ON A TRUE PLANE SLOPED FROM SIDE TO SIDE, END TO END, OR CORNER TO CORNER. MAXIMUM SLOPE SHALL BE 1.0%. MINIMUM SLOPE SHALL BE 0.9%

COURT MEASUREMENTS SHALL BE MADE TO THE OUTSIDE OF THE LINES. THE COURT LINES SHALL BE 2" IN WIDTH.

A PICKLEBALL COURT LAYOUT

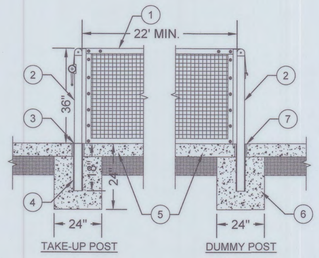
1/8"=1'-0"



LEGEND
1 FINISH GRADE
2 #4 BAR 24" O.C. BOTH WAYS
3 #4 BAR CONT. (2 EACH)
4 #4 BAR CONT. (3 EACH)
5 1/2" FOAM EXPANSION JOINT W/ MASTIC PER DETAIL 'A', THIS SHEET
6 COURT FINISH (REFER TO PLAN & SPECIFICATIONS)
7 6" THICK CONCRETE PAVING
8 95% COMPACTED SUB-GRADE
9 95% COMPACTED CLASS II AGGREGATE BASE
10 30 MIL. VISQUEEN VAPOR BARRIER
11 95" COMPACTED SAND BASE

C PICKLEBALL COURT PAVING

NTS



LEGEND
1 TOP OF NET SHALL BE 36" ABOVE COURT SURFACE
2 EDWARDS 3" ROUND PICKLEBALL NET POST (COLOR BLACK)
3 POLYURETHANE SEALANT MOISTURE BARRIER (COLOR TO MATCH COURT FINISH)
4 GROUND SLEEVE PER MANUFACTURES RECOMMENDATIONS
5 6" THICK CONCRETE COURT
6 CONCRETE FOOTING
7 3/4" FOAM ISOLATION SPACER AROUND NET POSTS EXTENDING THROUGH CONCRETE SLAB (TYP.)

NOTES
PICKLEBALL NET SHALL BE COLLINS PICKLEBALL NET BY COLLINS COMPANY (OR APPROVED EQUAL). NET SIZE SHALL BE 22' IN LENGTH BY 36" HEIGHT WITH CENTER STRAP OPTION WITH EDWARDS CENTER TIE-DOWN ANCHOR. INSTALL / LACE NET AND ANCHOR PER MANUFACTURER'S RECOMMENDATIONS.

B PICKLEBALL NET DETAIL

SEAL

LICENSED LANDSCAPE ARCHITECT — DOUGLAS GROVE No. 2799 — Signature 11/20/25 — Renewal Date 08/09/24 — Date — STATE OF CALIFORNIA

IT'S THE LAW ! DIAL BEFORE YOU DIG ! CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING — DIGALERT 811 — UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 811

BENCH MARK NO.

REVISIONS

MARK	DATE	INITIAL	DESCRIPTION	DATE	APP'VD

PLANS PREPARED BY

RHA LANDSCAPE ARCHITECTS
6840 INDIANA AVENUE, SUITE 100, RIVERSIDE CA 92506
(951) 781-1930 DOUGG@RHALA.COM
PREPARED UNDER THE SUPERVISION OF:
- DOUG GROVE - 09.09.24
RHA LANDSCAPE ARCHITECTS PLANNERS, INC
LIC. #2799
PH. (951) 781-1930
DOUGG@RHALA.COM

TOWN OF YUCCA VALLEY, CALIFORNIA, INCORPORATED NOV. 25, 1991

APPROVED BY:
PUBLIC WORKS DIRECTOR, ALEX QISHTA
R.C.E. 77602
DATE 9/18/24
RECOMMENDED BY:

TOWN OF YUCCA VALLEY

Community Center Athletic Facility

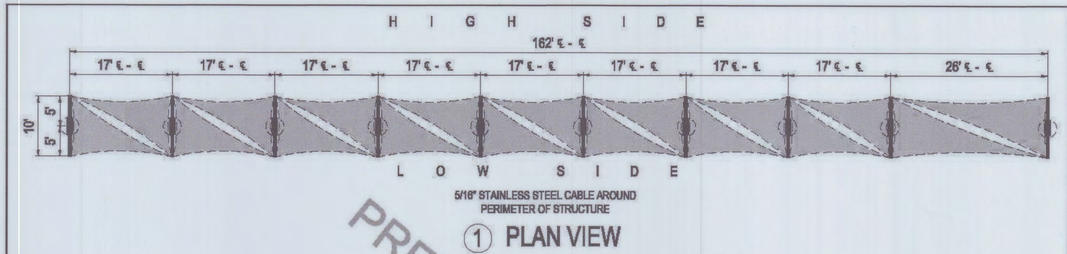
LANDSCAPE IMPROVEMENT PLANS

CONSTRUCTION DETAILS

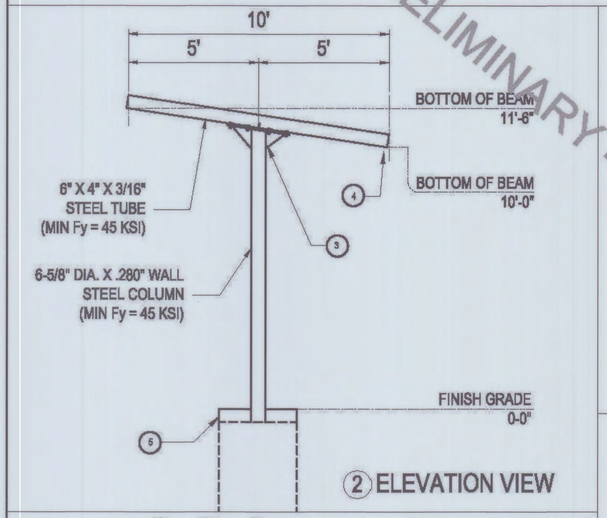
SHEET 10 OF 14 SHEETS

DRAWING NO. CD-3

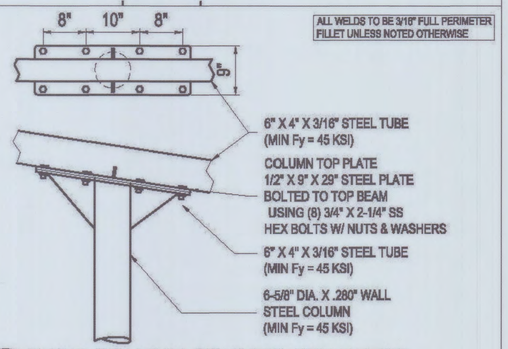
IMPORTANT: The footings sizes provided are estimated only. Depending on local conditions, actual engineered concrete footings may be substantially larger than estimates provided herein.
Shade Systems is not responsible for actual engineered footings sizes differing from the estimates given or for any additional concrete installation costs which may be incurred by you as a result thereof.



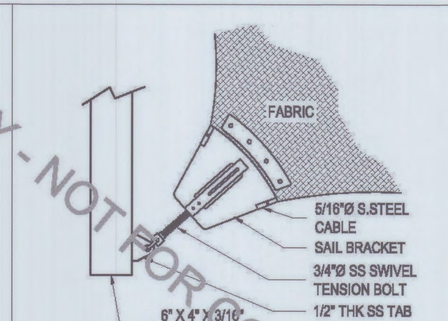
① PLAN VIEW



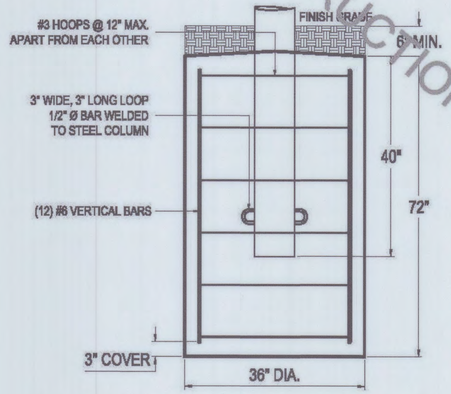
② ELEVATION VIEW



③ BEAM-COLUMN CONNECTION DETAIL



④ BEAM DETAIL ALL WELDS TO BE 3/16" FULL PERIMETER FILLET UNLESS NOTED OTHERWISE



⑤ FOOTING DETAIL NOTE: HOOPS & REBARS NOT SUPPLIED BY FACTORY

GENERAL NOTES

1- THE SHADE SYSTEMS, INC.™ STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2018 IBC CODES ALONG WITH ANY ADOPTED STATE BUILDING CODES AND ASCE 7-16 TO THE FOLLOWING DESIGN CRITERIA:

	STRUCTURE WITH FABRIC CANOPY REMOVED
CATEGORY	I
EXPOSURE	C
BASIC WIND SPEED	110 MPH

3- THE FOUNDATION ASSUMES A MINIMUM SOIL BEARING CAPACITY OF 1733 PSF.

5- ALL FASTENERS SHALL BE STAINLESS STEEL.

6- ALL BOLTS MUST BE SNUG TIGHT. THE SNUG TIGHTENED CONDITION IS THE TIGHTNESS THAT IS ATTAINED WITH THE FULL EFFORT OF A TYPICAL WORKER USING AN ORDINARY SPUD WRENCH TO BRING THE PLIES INTO FIRM CONTACT. SNUG TIGHT IS THE CONDITION THAT EXISTS WHEN ALL THE PLIES IN A CONNECTION HAVE BEEN PULLED INTO FIRM CONTACT BY THE BOLTS IN THE JOINT AND ALL THE BOLTS IN THE JOINT HAVE BEEN TIGHTENED SUFFICIENTLY TO PREVENT THE REMOVAL OF THE NUTS WITHOUT THE USE OF A WRENCH.

8- THE FABRIC SYSTEM IS DESIGNED TO WITHSTAND WINDS UP TO 90 MPH WITH THE FABRIC ATTACHED. HOWEVER THE FABRIC MAY NOT WITHSTAND WINDS IN EXCESS OF 90 MPH AND THEREFORE RELEASE.

STEEL:

1- STEEL PIPES SHALL HAVE A MINIMUM YIELD STRENGTH OF 45 KSI. STEEL PLATES SHALL CONFORM TO A572 A36

2- ALL PARTS SHALL BE FACTORY-WELDED TO AMERICAN WELDING SOCIETY (AWS) SPECIFICATIONS AND SHALL UTILIZE E70-80 AND HAVE THE HIGHEST STANDARDS OF QUALITY WORKMANSHIP.

3- ALL WELDS SHALL BE FILLET WELDS WITH MAXIMUM PERMISSABLE THROAT THICKNESS OR FULL PENETRATION GROOVE WELDS.

CONCRETE:

1- ALL CONCRETE SHALL BE MIXED AND PLACED IN ACCORDANCE WITH THE LATEST EDITION OF ACI 301 AND 318.

2- CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH (f'c) OF 3000 PSI. A CONCRETE MIX HAVING A LESSER STRENGTH OF AT LEAST 2500 PSI THAT IS MIXED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS IS ACCEPTABLE FOR USE.

3- REINFORCING STEEL SHALL BE ASTM A-615 GRADE 60 WITH A MINIMUM YIELD STRENGTH (fy) OF 60 KSI.

4- UNLESS OTHERWISE SHOWN, CONCRETE COVER SHALL BE 3" SIDE.

FABRIC:

1- COOLNET™ SHADE FABRICS MEET FIRE STANDARDS FOR SHADE FABRICS INCLUDING CSFM 13371 AND NFPA 701 ACROSS ALL COLOR VARIANTS.

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NOTE TO OWNER:
OWNER ACCEPTS FULL RESPONSIBILITY FOR REMOVING THE FABRIC SHADE MATERIAL FROM THE STEEL FRAME WHEN SEVERE WEATHER CONDITIONS ARE PREDICTED. SUCH CONDITIONS INCLUDE PREDICTED WIND SPEEDS IN EXCESS OF 90 MPH. ALSO, AS STRUCTURE IS NOT DESIGNED FOR ANY SNOW LOAD, IT IS RECOMMENDED THAT CANOPY BE REMOVED WHEN SNOWFALL IS EXPECTED.

SAIL COLOR: TO BE SELECTED BY OWNER

FRAME COLOR: TO BE SELECTED BY OWNER

Shade systems
4150 S.W. 19 Street
Ocala, FL 34474
Tel.: 1-800-609-6066

NOTE:
PRELIMINARY AND TENTATIVE DRAWING.
NOT FOR CONSTRUCTION.
ALL INFORMATION SHOWN IS SUBJECT TO CHANGE BY MANUFACTURER PRIOR TO DELIVERY. USE ONLY DRAWINGS AND INSTRUCTIONS PROVIDED WITH YOUR ORDER FOR CONSTRUCTION

Yucca Valley
Community Center
Yucca Valley, CA

Approved:

Model Name:
CUSTOM MONOSLOPE SHADE SYSTEM STRUCTURE
Model No.:
MSTC1016210-11.5

Revisions

REP:

REP QTE. NO.
Q-12307

Approved:	JNR	Job: QTE
Checked:	MG	
Drawn:	RS	Sheets: 1 OF 1
Date:	07/08/2024	
NOT TO SCALE		

AVAILABLE COLORS

CoolNet™ has been specifically developed as a very strong and durable UV protection fabric for use with Shade Systems™ outdoor structures. Our fabrics combine maximum sun protection with strength and durability to ensure maintenance-free exterior performance.

CANARY YELLOW	LIGHT GREY	LIME GREEN	FIRE ORANGE	TURQUOISE	GRAPE PURPLE
DESERT SAND	LAGOON BLUE	BRIGHT RED	BARLEY BROWN	SILVER GREY	LIGHT BLUE
NAVY BLUE	RIVERSIDE GREEN	FOREST GREEN	STORMY GREY	AQUATIC BLUE	CHARCOAL GREY
MOCHA BROWN	EGGSHELL WHITE	BORA BORA BLUE	BRICK RED		

Powder-Coat Colors All steel tubing components are manufactured with a bright and durable polyester powder-coated finish. Standard powder-coat colors are shown below, with many optional custom colors available upon request.

ALPINE WHITE	TEAL	BLUE STREAK	CRIMSON RED	LATTE TAN
COFFEE BROWN	JET BLACK	SUNSHINE YELLOW	GUNMETAL GREY	EVERGREEN

A CUSTOM 10'X162' CANTILEVER SHADE STRUCTURE
NTS

SEAL

LICENSED LANDSCAPE ARCHITECT — DOUG S. GROVE NO. 2799 — Signature — Renewal Date 08/31/25 — Date — STATE OF CALIFORNIA

IT'S THE LAW ! DIAL BEFORE YOU DIG ! DIGALERT — CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING — 811 — UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 811

BENCH MARK NO.

REVISIONS

MARK	DATE	INITIAL	DESCRIPTION	DATE	APP'VD

PLANS PREPARED BY

RHA LANDSCAPE ARCHITECTS
6840 INDIANA AVENUE, SUITE 100, RIVERSIDE CA 92506
(951) 781-1930 DOUGG@RHALA.COM
PREPARED UNDER THE SUPERVISION OF:
- DOUG GROVE - 09.09.24
RHA LANDSCAPE ARCHITECTS PLANNERS, INC
LIC. #2799
PH. (951) 781-1930
DOUGG@RHALA.COM

APPROVED BY:
PUBLIC WORKS DIRECTOR, ALEX QISHTA
R.C.E. 77602
DATE 9/18/24

RECOMMENDED BY:

TOWN OF YUCCA VALLEY

Community Center Athletic Facility

LANDSCAPE IMPROVEMENT PLANS

CONSTRUCTION DETAILS

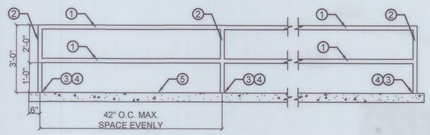
SHEET 11 OF 14 SHEETS

DRAWING NO. CD-4

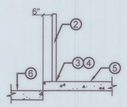
PRELIMINARY - NOT FOR CONSTRUCTION

LEGEND
1. 1 1/2" x 1 1/2" TUBULAR STEEL RAIL.
2. 1 1/2" x 1 1/2" TUBULAR STEEL POST. INSTALL 6" FROM EDGE OF CONCRETE.
3. 1 ¼" SQ POST FLANGE BASE PLATE SIZE AND THICKNESS PER ENGINEERING REQUIREMENTS. MOUNT TO PAVEMENT WITH CONCRETE ANCHOR BOLTS (4 PER POST).
4. CONCRETE ANCHOR SIZE, TYPE, AND DEPTH PER ENGINEERING REQUIREMENTS.
5. NEW CONCRETE PAVING PER PLAN.
6. ADJACENT EXISTING CONCRETE BASKETBALL COURT.

NOTES:
- ALL CONNECTION TO BE CONTINUOUS WELDED REMOVE ALL SLAG AND SPLATTER AND GRIND ALL WELDED CLOSED. PAINT STEEL WITH (1) COAT ZINC CHROMATE PRIMER AND W/ 2 COATS RUSTOLEUM COLOR BLACK.
- CONTRACTOR TO PROVIDE SHOP DRAWINGS OF RAILING MATERIALS AND INSTALLATION TO LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO PURCHASE AND INSTALLATION.



TYPICAL ELEVATION



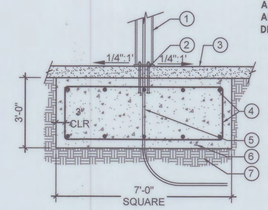
SECTION

B SURFACE MOUNT HANDRAIL (ADD ALT #1)

poligon


FRAME COLOR: **SURREY BEIGE**
ROOF COLOR: **EVERGREEN**
COLORS MAY VARY SLIGHTLY FROM RENDERED IMAGE

YUCCA VALLEY COMM CENTER
YUCCA VALLEY, CA
TRI LEF 33X33



DO NOT POUR FOOTING OR INSTALL ANCHOR BOLTS WITHOUT JOB SPECIFIC ANCHOR AND FOOTING DESIGN DRAWINGS.

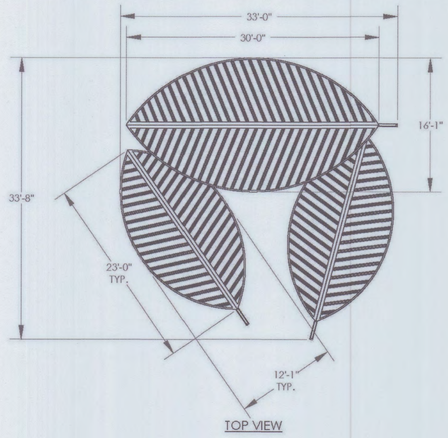
1. STRUCTURE POST
2. (4) 1/2" X 10" ANCHOR BOLTS
3. CONCRETE PAVING PER PLAN
4. (5) #4 HOOPS EACH WAY
5. ELECTRICAL CONDUIT IF REQUIRED PER ELECTRICAL PLANS.
6. CONCRETE FOOTING, PER STRUCTURAL ENGINEER
7. 95% COMPACTED SUB-GRADE

NOTES:
CONTRACTOR SHALL OBTAIN ANCHOR BOLTS FROM STRUCTURE REP. AND INSTALL IN CONCRETE FOOTING AS SHOWN

CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF ANCHOR BOLTS WITH STRUCTURE REPRESENTATIVE.

ELECTRICAL CONDUIT SHALL BE INSTALLED INSIDE STEEL STRUCTURE POST.

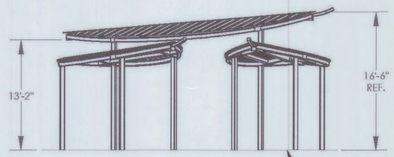
SIZE OF FOOTING IS APPROXIMATE. ACTUAL SIZE WILL BE PROVIDED BY MANUFACTURER'S STRUCTURAL ENGINEER DURING THE CONSTRUCTION SUBMITTAL PROCESS.



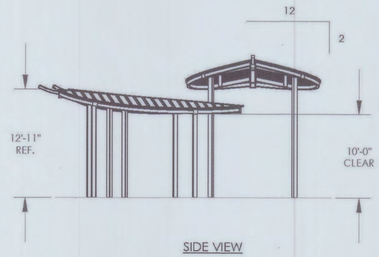
TOP VIEW

GENERAL ROOF NOTES:
1. METAL ROOFING:
   - 24 GAUGE
   - GALVALUME COATED
   - KYNAR 500 PAINTED
2. TRIM COLOR MATCHES ROOF
3. SEE POLIGON.COM FOR COLOR OPTIONS


ISOMETRIC VIEW



FRONT VIEW



SIDE VIEW

STOP!!
NOT FOR CONSTRUCTION
USE FOR PRELIMINARY PLANNING AND ESTIMATING ONLY

A TRI-LEAF SHADE STRUCTURE (ADD ALT #1)
NTS

poligon® WWW.POLIGON.COM MAIN: (616) 988-3500 by PORTER CORP FIELD SUPPORT: (616) 988-3594

PROJECT: YUCCA VALLEY COMM CENTER
PROJECT LOCATION: YUCCA VALLEY, CA
SHEET: ARCHITECTURAL ELEVATIONS
FIRST DATE: 7/1/2024
JOB NO: P19787
CAD FILE: -P19787-79978-PPD
DRAWN BY: michael.leitch
REVISED: A
SCALE: 1:1.28
SHEET 1

SEAL

LICENSED LANDSCAPE ARCHITECT — DOUG GROVE NO. 2799 — Signature 11/30/25 Renewal Date — 09/09/24 Date — STATE OF CALIFORNIA

IT'S THE LAW ! DIAL BEFORE YOU DIG ! CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING 811 DIGALERT UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA
BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 811

BENCH MARK NO.

REVISIONS

MARK	DATE	INITIAL	DESCRIPTION	DATE	APP'VD

PLANS PREPARED BY
RHA LANDSCAPE ARCHITECTS
6840 INDIANA AVENUE, SUITE 100, RIVERSIDE CA 92506
(951) 781-1930 DOUGG@RHALA.COM
PREPARED UNDER THE SUPERVISION OF:
- DOUG GROVE - 09.09.24
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DOUGG@RHALA.COM

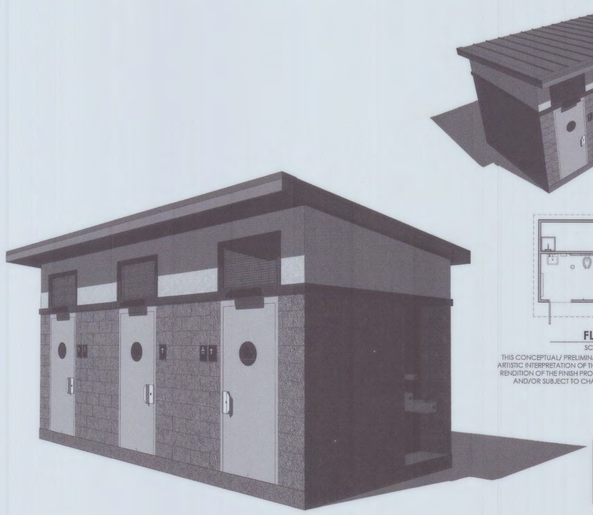
TOWN OF YUCCA VALLEY CALIFORNIA "INCORPORATED 1991"

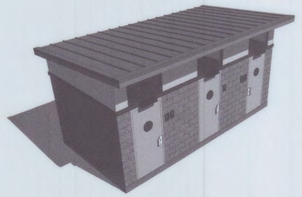
APPROVED BY:
PUBLIC WORKS DIRECTOR, ALEX QISHTA
R.C.E. 77602
DATE 9/18/24
RECOMMENDED BY:

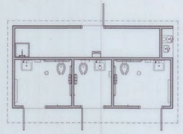
TOWN OF YUCCA VALLEY
Community Center Athletic Facility
LANDSCAPE IMPROVEMENT PLANS
CONSTRUCTION DETAILS

SHEET 12 OF 14 SHEETS
DRAWING NO. CD-5

PROJECT REF#: 11983-7/9/2024-0







FLOOR PLAN

SCALE: NOT TO SCALE

THIS CONCEPTUAL/ PRELIMINARY DESIGN AND THE 3D RENDERING IS AN ARTISTIC INTERPRETATION OF THE DESIGN. IT IS NOT MEANT TO BE AN EXACT RENDITION OF THE FINISH PRODUCT. SOME ITEMS MAY NOT BE STANDARD AND/OR SUBJECT TO CHANGE DURING PROJECT DEVELOPMENT

CENTER COMMUNITY Athletic filed

YUCCA VALLEY, CALIFORNIA

PUBLIC RESTROOM COMPANY

Building Better Places To Go.™

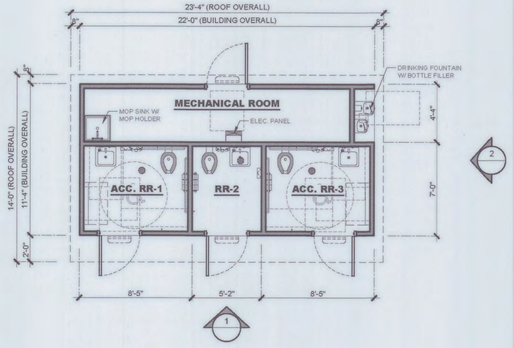
www.PublicRestroomCompany.com

2587 BUSINESS PARKWAY MINDEN NEVADA 89423

P: 888-888-2060 F: 888-888-1448

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PROJECT REF#: 11983-7/9/2024-0



FLOOR PLAN

SCALE: 3/16"=1'0"

THIS CONCEPTUAL/ PRELIMINARY DESIGN AND THE 3D RENDERING IS AN ARTISTIC INTERPRETATION OF THE DESIGN. IT IS NOT MEANT TO BE AN EXACT RENDITION OF THE FINISH PRODUCT. SOME ITEMS MAY NOT BE STANDARD AND / OR SUBJECT TO CHANGE DURING PROJECT DEVELOPMENT

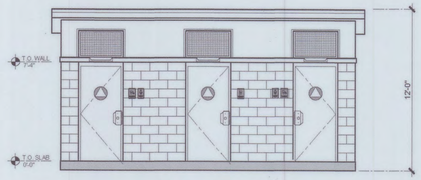
PH: 888-888-2060 | FAX: 888-888-1448

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BUILDING TYPE:	RESTROOM BUILDING	REVISION #: -	REVISION DATE:	SHEET #: A-1
PROJECT:	COMMUNITY CENTER ATHLETIC FIELD YUCCA VALLEY, CA	PROJECT #: 11983	START DATE: 7/9/2024	MAX. PERSON / HOUR: 135 S
			DRAWN BY: EOR	

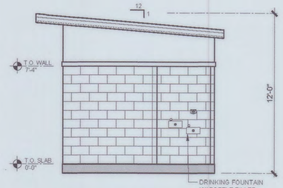
-NOT FOR CONSTRUCTION - PRELIMINARY DESIGN DRAWING ONLY - DO NOT SCALE, DIMENSIONS PRESIDE

PROJECT REF#: 11983-7/9/2024-0



ELEVATION 1

SCALE 3/16"=1'-0"



ELEVATION 2

SCALE 3/16"=1'-0"

THIS CONCEPTUAL/ PRELIMINARY DESIGN AND THE 3D RENDERING IS AN ARTISTIC INTERPRETATION OF THE DESIGN. IT IS NOT MEANT TO BE AN EXACT RENDITION OF THE FINISH PRODUCT. SOME ITEMS MAY NOT BE STANDARD AND / OR SUBJECT TO CHANGE DURING PROJECT DEVELOPMENT

PH: 888-888-2060 | FAX: 888-888-1448

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BUILDING TYPE:	RESTROOM BUILDING	REVISION #: -	REVISION DATE:	SHEET #: A-2
PROJECT:	COMMUNITY CENTER ATHLETIC FIELD YUCCA VALLEY, CA	PROJECT #: 11983	START DATE: 7/9/2024	MAX. PERSON / HOUR: 135 S
			DRAWN BY: EOR	

-NOT FOR CONSTRUCTION - PRELIMINARY DESIGN DRAWING ONLY - DO NOT SCALE, DIMENSIONS PRESIDE

OWNER / GENERAL CONTRACTOR AND PUBLIC RESTROOM COMPANY RESPONSIBILITIES

PUBLIC RESTROOM COMPANY (PRC) RESPONSIBILITIES:

1. PROVIDE FULL ARCHITECTURAL PLANS AND ENGINEERING CALCULATIONS, STAMPED BY STATE GOVERNING AGENCY SUITABLE FOR GENERAL CONTRACTOR TO FILE FOR REQUIRED BUILDING PERMIT.
2. FURNISH AND INSTALL UNDERGROUND UTILITIES UNDER SLAB (INCLUDING TRENCHING) EXTENDING 6 FEET MAX. BEYOND THE BUILDING LINE, MIN. OF 24" - MAX OF 36" BELOW GRADE.
3. FURNISH AND INSTALL SLAB TO FOUNDATION ANCHORS PER DETAILS INCLUDED HEREIN. APPLICABLE ONLY TO BUILDINGS WITH FOUNDATIONS.

OWNER / GENERAL CONTRACTOR RESPONSIBILITIES:

1. PREPARE BUILDING PAD AND OR FOUNDATION AND FOOTINGS (IF APPLICABLE).
2. PROVIDE SITE PLAN & ENGINEERED FOUNDATION PLAN (IF APPLICABLE) AND ATTACH IT TO THE PUBLIC RESTROOM COMPANY'S DEPARTMENT OF HOUSING APPROVED DOCUMENTS AND OBTAIN NECESSARY PERMITS FROM LOCAL JURISDICTION.
3. VERIFY AND SCHEDULE NECESSARY INSPECTIONS WITH LOCAL JURISDICTION FOR SITE PERFORMED WORK BY OTHERS, AND FOR UNDER BUILDING SLAB PLUMBING CONNECTIONS MADE BY PRC.
4. COORDINATE SEWER INVERT ELEVATION WITH THE PUBLIC RESTROOM COMPANY PRIOR TO BUILDING INSTALLATION. VERIFY & COORDINATE LOCATION OF EXISTING UTILITIES INCLUDING WATER METER SIZE, TYPE, AND LOCATION OF EXISTING UTILITIES COMING INTO THE BUILDING SUPPLIED BY PRC
5. MAKE FINAL UTILITY CONNECTIONS (INCLUDING NECESSARY UTILITY BOXES).
6. PREPARE SITE FOR MINIMUM ALLOWABLE SOIL BEARING PRESSURE OF 1,500 psf, WITH SUB-GRADE COMPACTED TO 90% M.D.D.
7. SUPPLY AND STOCK PILE REQUIRED QUANTITY OF COARSE MASON SAND WITHIN BUILDING PROXIMITY FOR USE BY PRC FOR UTILITY TRENCH BACKFILL.
8. PROJECTS WITH FOOTINGS: PROVIDE SLEEVES IN FOOTINGS ACCORDING TO UTILITY LOCATION PLAN AND PAD / FOUNDATION PLAN DIRECTION.

GENERAL NOTES:

1. THE DIFFERENCE IN THE ELEVATION BETWEEN THE FINISH FLOOR OF THE BUILDING AT EXTERIOR DOORS AND THE SIDEWALK OUTSIDE IS 1/4" MAX. PRC RECOMMENDS SIDEWALK TO BE FLUSH WITH FINISH FLOOR AT ALL DOORS.
2. THE PLAN & DETAILS HEREIN ARE SPECIFIC TO THE BUILDING SIZE AND MODULE CONFIGURATION OF THIS BUILDING MODEL.

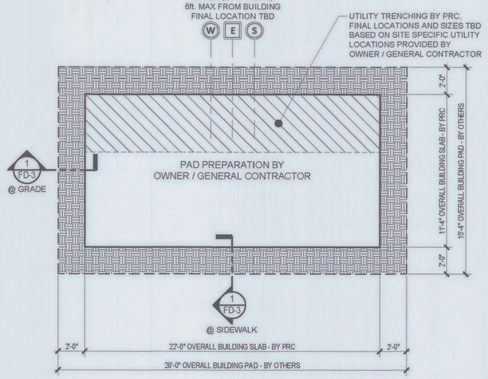
GENERAL SITE CONDITION LIABILITY NOTE:

PUBLIC RESTROOM COMPANY (PRC) PROVIDES BUILDING PAD / FOUNDATION PLAN DRAWINGS FOR PLACEMENT OF OUR BUILDING ON SITE FOUNDATIONS / PADS FOR **REFERENCE ONLY**. PRC DRAWINGS DO NOT INCORPORATE SITE DESIGN FOR LOCAL CODES, SOILS CONDITIONS, FOOTING REQUIREMENTS, AND / OR ANY OTHER CONTRIBUTING SITE FACTORS UP TO AN INCLUDING HIGH WATER TABLES. IT IS THE RESPONSIBILITY OF THE OWNER / GENERAL CONTRACTOR TO PROVIDE A PROPER SITE DESIGN TO ACCOMMODATE THE BUILDING AS WELL AS PROVIDE PROPER SITE CRITERIA SO PRC MAY MODEL SEWER, WATER, AND ELECTRICAL DESIGNS WITHIN THE BUILDING. OUR BUILDING DESIGN INCLUDES AN 8" THICK REINFORCED CONCRETE SLAB AND ASSUMES FULL SLAB BEARING ON SOILS WITH A MINIMUM OF 1500 PSF BEARING CAPACITY. OUR BUILDING DESIGNS SURCHARGE THE SOIL BENEATH THE MAT SLAB AT APPROXIMATE 208 PSF. ANY BUILDING FOUNDATION IN ADDITION TO THE INTEGRAL MAT SLAB ARE SHOWN FOR **REFERENCE ONLY** AND SHOULD BE VERIFIED BY A LICENSED SOILS ENGINEER TO CONFORM WITH REQUIRED CODES.
PRC ASSUMES NO LIABILITY FOR THE OWNER OR GENERAL CONTRACTOR ACCEPTANCE OF THESE TYPICAL DRAWINGS WITHOUT VERIFICATION BY A LICENSED SOILS / FOUNDATION ENGINEER.

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BUILDING TYPE:	RESTROOM BUILDING	DATE: 07/15/2024	DRAWN BY:
PROJECT:	COMMUNITY CENTER ATHLETIC FIELD YUCCA VALLEY, CA	PROJECT #: 11983	JAG
		SHEET: 1 OF 3	FD-1

-NOT FOR CONSTRUCTION - PRELIMINARY DESIGN DRAWING ONLY - DO NOT SCALE, DIMENSIONS PRESIDE



1 FD-2 PAD PREPARATION PLAN

SCALE: NOT TO SCALE

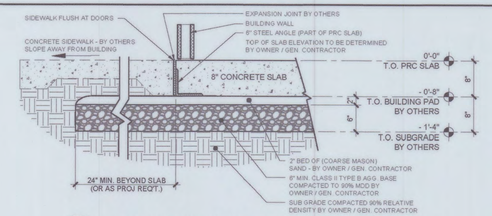
REQUIRED ALLOWABLE SOIL BEARING PRESSURE = 1500 PSF; FIELD VERIFIED BY OTHERS

PRELIMINARY FOR REFERENCE ONLY

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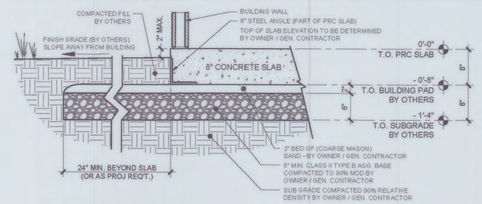
BUILDING TYPE:	RESTROOM BUILDING	DATE: 07/15/2024	DRAWN BY:
PROJECT:	COMMUNITY CENTER ATHLETIC FIELD YUCCA VALLEY, CA	PROJECT #: 11983	JAG
		SHEET: 2 OF 3	FD-2

-NOT FOR CONSTRUCTION - PRELIMINARY DESIGN DRAWING ONLY - DO NOT SCALE, DIMENSIONS PRESIDE



1 FD-3 SUB-GRADE / PAD SECTION @ SIDEWALK

SCALE: NOT TO SCALE



2 FD-3 SUB-GRADE / PAD SECTION @ GRADE

SCALE: NOT TO SCALE

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BUILDING TYPE:	RESTROOM BUILDING	DATE: 07/15/2024	DRAWN BY:
PROJECT:	COMMUNITY CENTER ATHLETIC FIELD YUCCA VALLEY, CA	PROJECT #: 11983	JAG
		SHEET: 3 OF 3	FD-3

-NOT FOR CONSTRUCTION - PRELIMINARY DESIGN DRAWING ONLY - DO NOT SCALE, DIMENSIONS PRESIDE

SEAL

LICENSED LANDSCAPE ARCHITECT — DOUGLAS GROVE NO. 5799 — Signed/Dated 11/30/23 — Renewal Date 08/09/24 — Date — STATE OF CALIFORNIA

(A) RESTROOM STRUCTURE (ADD ALT #1)

NTS

IT'S THE LAW ! DIAL BEFORE YOU DIG ! CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING 811 DIGALERT UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 811

BENCH MARK NO.

REVISIONS

MARK	DATE	INITIAL	DESCRIPTION	DATE	APP'VD

PLANS PREPARED BY

RHA LANDSCAPE ARCHITECTS

6840 INDIANA AVENUE, SUITE 100, RIVERSIDE CA 92506

(951) 781-1930 DOUGG@RHALA.COM

PREPARED UNDER THE SUPERVISION OF:

- DOUG GROVE - 09.09.24

RHA LANDSCAPE ARCHITECTS PLANNERS, INC

LIC. #2799

PH. (951) 781-1930

DOUGG@RHALA.COM

TOWN OF YUCCA VALLEY — INCORPORATED 1991

APPROVED BY:

PUBLIC WORKS DIRECTOR, ALEX QISHTA — DATE 9/18/24

R.C.E. 77602

RECOMMENDED BY:

TOWN OF YUCCA VALLEY

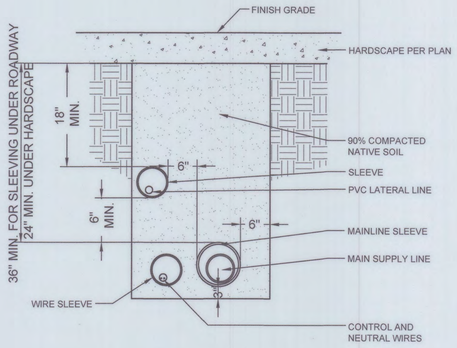
Community Center Athletic Facility

LANDSCAPE IMPROVEMENT PLANS

CONSTRUCTION DETAILS

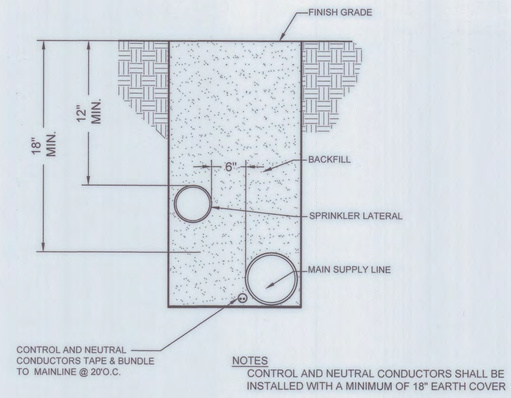
SHEET 13 OF 14 SHEETS

DRAWING NO. CD-6



D SLEEVING

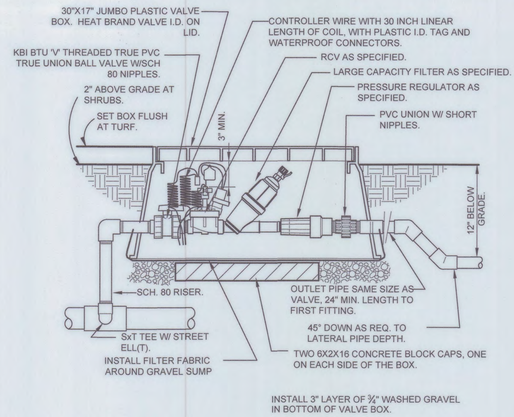
1" = 1" 328409.76-05



NOTES
CONTROL AND NEUTRAL CONDUCTORS SHALL BE INSTALLED WITH A MINIMUM OF 18" EARTH COVER

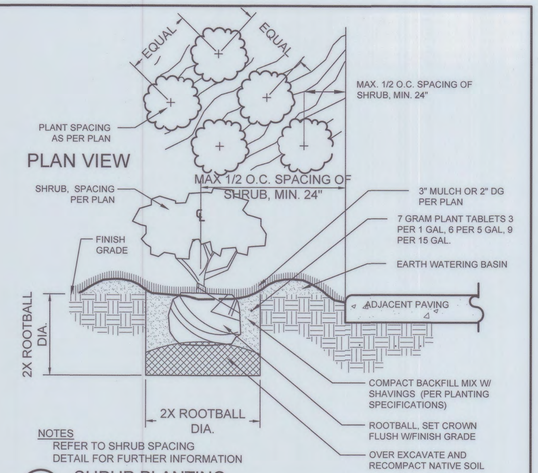
C PIPE AND WIRE TRENCH

NTS 328409.76-06



B DRIP VALVE ASSEMBLY

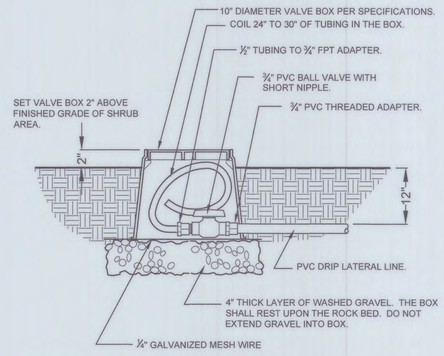
NTS 328413.76-15



NOTES
REFER TO SHRUB SPACING DETAIL FOR FURTHER INFORMATION

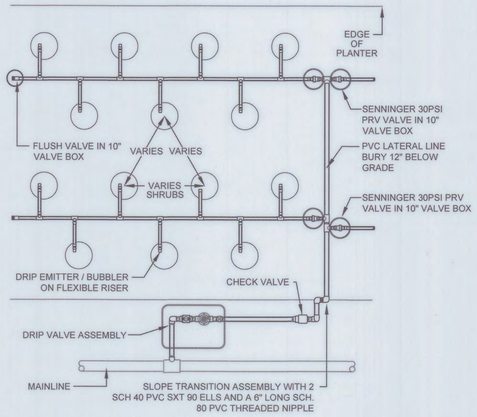
A SHRUB PLANTING

3/8" = 1'-0" 329333.16-08



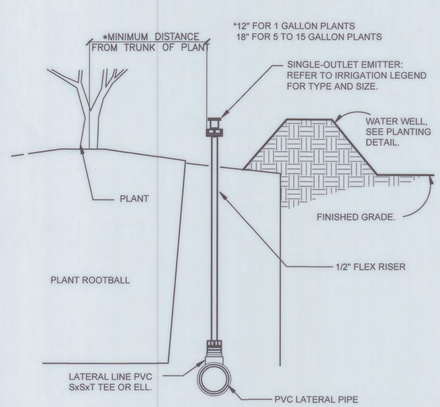
G DRIP FLUSH VALVE

NTS 328413.49-10



F POINT TO POINT LAYOUT

1" = 1" 328413.13-26



E DRIP EMITTER ON FLEX RISER AT PLANT PIT

328413.13-11

PLANTING NOTES:

1. CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT OF SITE CONDITIONS WHICH PREVENT INSTALLATION PER PLANS AND SPECIFICATIONS.
2. CONTRACTOR SHALL BE LIABLE FOR REMOVING AND RE-INSTALLING IRRIGATION EQUIPMENT, AND REPLANTING AREAS WHICH ARE NOT INSTALLED PER PLAN AND SPECIFICATIONS.
3. REFER TO PLANTING SPECIFICATIONS FOR INSPECTION/CERTIFICATION SCHEDULE.
4. IRRIGATION SYSTEM SHALL BE INSTALLED AND OPERATIONAL PRIOR TO INSTALLATION OF PLANT MATERIAL.
5. TREES AND SHRUBS SHALL BE PLANTED AFTER CONCRETE PLACEMENT, BUT NOT BEFORE IRRIGATION COVERAGE TEST NO.1 HAS BEEN APPROVED. (SEE SPECIFICATIONS).
6. THE RECOMMENDATIONS OF THE SOIL REPORT SHALL SUPERCEDE THE SOIL PREPARATION AND BACKFILL MIX SPECIFICATIONS (SEE SPECIFICATIONS). THE CONTRACTOR SHALL SUBMIT A COPY OF ALL SOILS REPORTS TO THE LANDSCAPE ARCHITECT PRIOR TO THE MODIFICATION OF THESE SPECIFICATIONS.
7. CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS AND/OR REPLACEMENT OF ANY DAMAGED LANDSCAPE AREAS BEYOND THE LIMIT OF WORK, INCLUDING REPAIRING ANY IRRIGATION LINES/ SPRINKLER HEADS, THAT IS A DIRECT RESULT OF THE LANDSCAPE CONSTRUCTION AND/OR HIS SUB-CONTRACTOR. REPLACEMENT ITEMS SHALL BE EXACT DUPLICATION OF ORIGINAL WORK OR PLANTS, UNLESS OTHERWISE APPROVED BY THE LANDSCAPE ARCHITECT.
8. CLEAN-UP SHALL TAKE PLACE ON A DAILY BASIS UNLESS OTHERWISE APPROVED BY THE OWNER'S REPRESENTATIVE.
9. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL GRADES AND FLOW LINES AS SHOWN ON THE GRADING PLAN. WHERE PLANTING IS TO BE INSTALLED ON A SWALE, THE FINISH GRADE MUST BE ADJUSTED SO THE PLANTING DOES NOT RESTRICT THE FLOW.
10. REMOVE ROCKS OVER 3" IN DIAMETER GENERATED FROM DIGGING PLANTING PITS.
11. THE PLANTING AREAS MUST BE COMPLETELY FREE OF WEEDS AND BERMUDA GRASS PRIOR TO THE START OF ANY PLANTING.
12. ALL PLANT MATERIAL, INCLUDING TREES, SHRUBS, AND VINES, SHALL BE INSPECTED AND APPROVED BY LANDSCAPE ARCHITECT , VIA PHOTO SUBMITTALS, PRIOR TO DELIVERY TO SITE. PHOTO SUBMITTALS SHALL INCLUDE NURSERY SUPPLIER AND DATE OF PHOTOS. ANY MATERIAL DELIVERED TO SITE WITHOUT APPROVAL IS SUBJECT TO REJECTION. PHOTO SUBMITTALS SHALL BE SENT TO LANDSCAPE ARCHITECT A MINIMUM OF 48 HOURS PRIOR TO SHIPMENT OF MATERIAL. SUBMITTALS SHALL INCLUDE SCALE REFERENCE IN PHOTO (FROM FINISH GRADE IN CONTAINER) AND CANOPY HEAD SIDE. LANDSCAPE ARCHITECT SHALL BE NOTIFIED OF SCHEDULED NURSERY DELIVERY TIMES A MINIMUM OF 24 HOURS PRIOR TO SHIPMENT. REFER TO PLANTING SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS REGARDING QUALITY OF NURSERY STOCK.
13. ALL TREES TO BE FREE FROM DEFECTS INCLUDING CO-DOMINANT STEMS, AND GIRDLING ROOTS; ROOT FLARE SHALL BE VISIBLE AT TOP OF SOIL LEVEL. STREET TREES SHALL HAVE A MINIMUM 6' TRUNK FREE OF BRANCHES. DEFECTIVE PLANT MATERIAL SHALL BE REMOVED AND REPLACED, AT NO ADDITIONAL COST TO THE TOWN, AS SOON AS POSSIBLE AND UNTIL FINAL INSPECTION OR TURN OVER.
14. FINAL UTILITY LOCATIONS TO BE PROVIDED BY UTILITY CONSULTANT. CONTRACTOR TO ADJUST PLANTING AND IRRIGATION, AROUND THESE STRUCTURES, AS NEEDED, TO THE SATISFACTION OF THE INSPECTOR OF RECORD AND THE LANDSCAPE ARCHITECT.
15. CONTRACTOR SHALL PROVIDE A 90 DAY MAINTENANCE PERIOD AFTER PLANTING INSTALLATION APPROVAL BY LANDSCAPE ARCHITECT.

SEAL

LICENSED LANDSCAPE ARCHITECT — DOUGLAS GROVE No. 2799 — Signature 11/30/25 Renewal Date 08/09/24 Date — STATE OF CALIFORNIA

IT'S THE LAW ! DIAL BEFORE YOU DIG ! DIGALERT — CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING — 811 — UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 811

BENCH MARK NO.

REVISIONS

MARK	DATE	INITIAL	DESCRIPTION	DATE	APP'VD

PLANS PREPARED BY

RHA LANDSCAPE ARCHITECTS
6840 INDIANA AVENUE, SUITE 100, RIVERSIDE CA 92506
(951) 781-1930 DOUGG@RHALA.COM
LIC. #2799
PH. (951) 781-1930
DOUGG@RHALA.COM

PREPARED UNDER THE SUPERVISION OF:

- DOUG GROVE - 09.09.24

RHA LANDSCAPE ARCHITECTS PLANNERS, INC.

TOWN OF YUCCA VALLEY, CALIFORNIA, INCORPORATED 1991

APPROVED BY:

PUBLIC WORKS DIRECTOR, ALEX QISHTA
R.C.E. 77602 DATE 9/18/24

RECOMMENDED BY:

TOWN OF YUCCA VALLEY

Community Center Athletic Facility

LANDSCAPE IMPROVEMENT PLANS

CONSTRUCTION DETAILS

SHEET 14 OF 14 SHEETS

DRAWING NO. LD-1

GENERAL GRADING NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD PLANS OF THE TOWN OF YUCCA VALLEY AND STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC), LATEST EDITION, AND THE PROJECT'S CONDITIONS OF APPROVAL.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AN EFFECTIVE MEANS OF DUST CONTROL WHICH SHALL INCLUDE PROVISIONS FOR ADEQUATE WATERING DURING THE GRADING PROCESS AND PROVISIONS FOR CONTINUANCE OF DUST CONTROL UNTIL THE GRADED SURFACE PRESENTS SUFFICIENT COVER AGAINST WIND OR WATER EROSION THAT SPECIAL DUST CONTROL MEASURES ARE NO LONGER NECESSARY.
3. CONTRACTOR SHALL OBTAIN ALL PERMITS AS REQUIRED BY THE TOWN OF YUCCA VALLEY DEVELOPMENT CODE.
4. ALL GRADING SHALL COMPLY WITH CHAPTER J OF THE CALIFORNIA BUILDING CODE, LATEST EDITION.
5. THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN APPROXIMATE WAY ONLY. SUBJECT TO THE PROVISIONS OF SECTION 4215 OF THE CALIFORNIA GOVERNMENT CODE, THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. CONTACT UNDERGROUND SERVICE ALERT (USA) AT 811 TWO WORKING DAYS PRIOR TO ANY EXCAVATION.
6. DIMENSIONING TO CURBS SHALL BE TO FACE OF CURB.
7. CONTRACTOR SHALL DISPOSE OF ALL DEBRIS OFF-SITE AT A LEGALLY APPROVED DISPOSAL SITE.
8. CONTRACTOR SHALL REMOVE ALL ABANDONED UTILITY FACILITIES AND SHOW LIMITS OF REMOVALS ON ALL RECORD DRAWINGS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL, REPLACEMENT, OR RELOCATION OF ALL REGULATORY, WARNING, AND GUIDE SIGNS.
10. THE ASPHALT DESIGN MUST MEET THE CALTRANS STANDARD SPECIFICATION, CURRENT EDITION, SECTION 39, FOR TYPE A ASPHALT, 3/4" MAXIMUM MEDIUM AND 1/2" MAXIMUM MEDIUM. THE OIL SHALL BE PG 70-10.
11. THE AGGREGATE BASE SHALL BE CLASS II, FOR 3/4" MAXIMUM ACCORDING TO CALTRANS STANDARD SPECIFICATIONS, SECTION 26, CURRENT EDITION.
12. A "RECORD DRAWING" (FORMERLY CALLED "AS-BUILT" DRAWING) OF THIS PLAN MUST BE SUBMITTED TO AND APPROVED BY THE TOWN ENGINEER AND BY THE PROJECT ENGINEER OF RECORD PRIOR TO ACCEPTANCE OF THE PROJECT.
13. CONSTRUCTION SIGNING, LIGHTING, AND BARRICADING SHALL BE PROVIDED ON ALL PROJECTS AS REQUIRED BY TOWN STANDARDS OR AS DIRECTED BY THE TOWN ENGINEER. AS A MINIMUM, ALL CONSTRUCTION SIGNING, LIGHTING, AND BARRICADING SHALL BE IN ACCORDANCE WITH CALTRANS "MANUAL OF TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE WORK ZONES" DATED 1991, OR SUBSEQUENT EDITIONS IN FORCE AT THE TIME OF CONSTRUCTION.
14. THE FLOW LINES OF ALL CURB AND GUTTERS AND CROSS GUTTERS SHALL BE WATER TESTED BEFORE ACCEPTANCE OF THE PROJECT.
15. PARKING STALLS SHALL BE CLEARLY DELINEATED WITH A 4 TO 6 INCH STRIPE "HAIRPIN" OR ELONGATED "U" DESIGN FOR OTHER APPROVED STRIPING OR STALL DELINEATION.
16. FINAL SITE GRADING AND DRAINAGE FLOW LINES SHALL BE CERTIFIED, IN WRITING, BY THE ENGINEER OF RECORD TO BE IN CONFORMANCE WITH THE APPROVED GRADING PLAN PRIOR TO FINAL INSPECTION.
17. NPDES PERMIT IS REQUIRED PRIOR TO ISSUANCE OF A GRADING PERMIT FOR PARCELS 1 ACRE OR GREATER.
18. THE LOCATION OF BLOCK WALLS, RETAINING WALLS, AND OTHER STRUCTURES SHALL BE CLEARLY DEFINED ON THE PLANS. CONSTRUCTION AND STRUCTURAL DETAILS SHALL NOT BE SHOWN ON THE GRADING PLAN.
19. ALL PROVISIONS OF THE PRELIMINARY SOILS REPORT PREPARED BY CONVERSE CONSULTANTS, DATED JULY 31, 2023 SHALL BE COMPLIED WITH.
20. THIS PLAN IS FOR GRADING PURPOSES ONLY. APPROVAL DOES NOT CONSTITUTE APPROVAL OF BUILDING LOCATIONS, OFF-SITE DRAINAGE FACILITIES, DRIVEWAY LOCATIONS OR SIZES, PARKING LOT LAYOUT, ETC. OR OTHER ITEMS NOT RELATED TO BASIC GRADING OPERATIONS. NO STRUCTURAL CALCULATIONS HAVE BEEN MADE FOR ANY STRUCTURES ON THIS PLAN DURING PLAN CHECK, THEREFORE, THE PLAN CHECK ENGINEER TAKES NO RESPONSIBILITY FOR THE INTEGRITY OF SUCH STRUCTURES.
21. UPON ISSUANCE OF GRADING PERMIT BY THE TOWN OF YUCCA VALLEY, ALL GRADING SHALL BE UNDERTAKEN AND COMPLETED IN COMPLIANCE WITH THE TOWN OF YUCCA VALLEY ORDINANCE No. 133.
22. THESE PLANS SHALL EXPIRE IS CONSTRUCTION HAS NOT STARTED WITHIN TWELVE (12) MONTHS FROM THE DATE OF APPROVAL BY THE TOWN OF YUCCA VALLEY.

PRIVATE ENGINEER'S NOTICE TO CONTRACTOR

1. ALL AVAILABLE RECORDS FROM THE OWNER AND UTILITY COMPANIES HAVE BEEN INVESTIGATED AND ALL KNOWN UTILITY CONDUITS AND SUBSTRUCTURES ARE SHOWN HEREON. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL UTILITY CONDUITS AND SUBSTRUCTURES SHOWN OR NOT SHOWN ON THESE PLANS BY "POT HOLING" PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BEAR THE TOTAL EXPENSE OF REPAIR AND/OR REPLACEMENT OF SAID UTILITY CONDUITS AND SUBSTRUCTURES DAMAGED BY HIS OPERATION IN CONNECTION WITH THE LIMITS OF THIS PROJECT. CONTRACTOR TO POT HOLE AND VERIFY EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UTILITY CROSSING PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR IS TO NOTIFY THE ENGINEER OF RECORD IMMEDIATELY OF ANY DISCREPANCIES BETWEEN THE FIELD CONDITIONS AND THE PROJECT DRAWINGS. COMMENCEMENT OF WORK INDICATES ACCEPTANCE OF ALL EXISTING UTILITIES SHOWN OR NOT SHOWN BY THE CONTRACTOR.
2. EXISTING UTILITIES SHALL BE MAINTAINED IN-PLACE BY THE CONTRACTOR, UNLESS OTHERWISE NOTED. RELOCATION OR REMOVAL OF ANY EXISTING UTILITIES NOT COVERED BY THESE PLANS SHALL BE PERFORMED BY OR UNDER THE DIRECTION OF THE RESPECTIVE UTILITY OWNERS AT THE EXPENSE OF THE DEVELOPER.
3. THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER AND ENGINEER OF RECORD HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER AND/OR THE ENGINEER OF RECORD.
4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL DIMENSIONS AND CONDITIONS SHOWN HEREON AT THE JOB SITE PRIOR TO ANY CONSTRUCTION. THE ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES. REVISIONS TO THE PLAN SHALL BE APPROVED BY THE ENGINEER IN WRITING PRIOR TO IMPLEMENTATION.
5. UNAUTHORIZED CHANGES & USES: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

SURVEYOR'S NOTE

1. THIS MAP IS NOT A BOUNDARY SURVEY. NO PROPERTY CORNERS HAVE BEEN SET AS PART OF THIS WORK.
2. SURVEY MONUMENTS FOUND IN THE COURSE OF THIS MAPPING HAVE BEEN SET BY OTHERS, AND USED ONLY AS REFERENCE FOR PURPOSES OF TOPOGRAPHIC MAPPING, WITHOUT THE VERIFICATION OF ITS AGREEMENT WITH APPLICABLE LEGAL DESCRIPTIONS AND SENIORITY OF DEEDS.
3. RELATION OF TOPOGRAPHIC FEATURES (FENCES, WALLS, TREES, POWER POLES, ETC.) TO PROPERTY LINES SHOWN ON THIS MAP IS SUBJECT TO THE ADJUSTMENTS TO ANY BOUNDARY SURVEY THAT IS TO BE DONE ON THE PROPERTY.
4. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT. EASEMENTS, IF ANY, ARE NOT SHOWN.

SURVEY MONUMENT NOTE

SURVEY MONUMENTS THAT EXIST AS SHOWN ON RECORDED MAPS, HIGHWAY MAPS, OR POINTS THAT PROVIDE SURVEY CONTROL WITHIN THE CONSTRUCTION AREAS, SHALL BE LOCATED AND REFERENCED BY A LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER (AUTHORIZED TO PRACTICE LAND SURVEYING). BEFORE THE START OF CONSTRUCTION, CORNER RECORDS SHALL BE FILED WITH THE COUNTY SURVEYOR. THESE CORNER RECORDS SHALL DESCRIBE THE MONUMENTS FOUND WITH TIE DISTANCES TO REFERENCE POINTS FOR THE RESETTING OF SURVEY MONUMENTS. WHEN CONSTRUCTION IS COMPLETED, ANY DISTURBED MONUMENTS SHALL BE REPLACED AND CORNER RECORDS SHALL BE FILED WITH THE COUNTY SURVEYOR SHOWING THE NEW MONUMENTS.

DECLARATION ENGINEER OF RECORD

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT AND I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONAL CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS. I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE TOWN OF YUCCA VALLEY IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

DAVID M BECKWITH, PE, PLS, QSD, QSP, QISP — NAME OF SIGNER

SIGNATURE OF SIGNER

09/09/2024 — DATE

EARTHWORK QUANTITIES

		DISTURBED AREA
CUT:	250 CY	73,463 SF (1.69-ACRES)
FILL	4,725 CY	

EARTHWORK QUANTITIES ARE FOR PLAN CHECKING PURPOSES ONLY. CONTRACTOR TO PERFORM THEIR OWN TAKE-OFF'S FOR CONSTRUCTION. ENGINEER MAKES NO WARRANTIES TO THE ACCURACY OF SAID QUANTITIES.

BASIS OF BEARINGS

THE COORDINATES SHOWN HEREON ARE BASED UPON THE CALIFORNIA COORDINATE SYSTEM OF 1983, CCS83, ZONE 5, (2010.00 EPOCH) IN ACCORDANCE WITH THE CALIFORNIA PUBLIC RESOURCES CODE SECTIONS 8801-8819; SAID COORDINATES ARE BASED LOCALLY UPON FIELD-OBSERVED TIES TO THE FOLLOWING NATIONAL GEODETIC SURVEY NETWORK, CONTINUALLY OPERATING REFERENCE STATIONS (CORS), OR EQUIVALENT STATIONS:

STATION	NORTHING	EASTING
RDMT	2059554.01	6975310.74
BMHL	1919584.61	7150006.38

ALL DISTANCES SHOWN HEREON ARE GROUND DISTANCES AND ARE IN US SURVEY FOOT. GRID DISTANCES CAN BE OBTAINED BY MULTIPLYING GROUND DISTANCES BY A COMBINED FACTOR OF 0.9999814041.

SOURCE OF TOPOGRAPHY

TOPOGRAPHY WAS PREPARED UTILIZING BOTH AERIAL PHOTOGRAMMETRY AND CONVENTIONAL GROUND SURVEY METHODS BY DAVID BECKWITH AND ASSOCIATES, INC, AS COLLECTED ON MARCH 25, 2024.

SEAL

DAVID M. BECKWITH — REGISTERED PROFESSIONAL ENGINEER — No. 73761 Exp. 06/30/25 — CIVIL — STATE OF CALIFORNIA

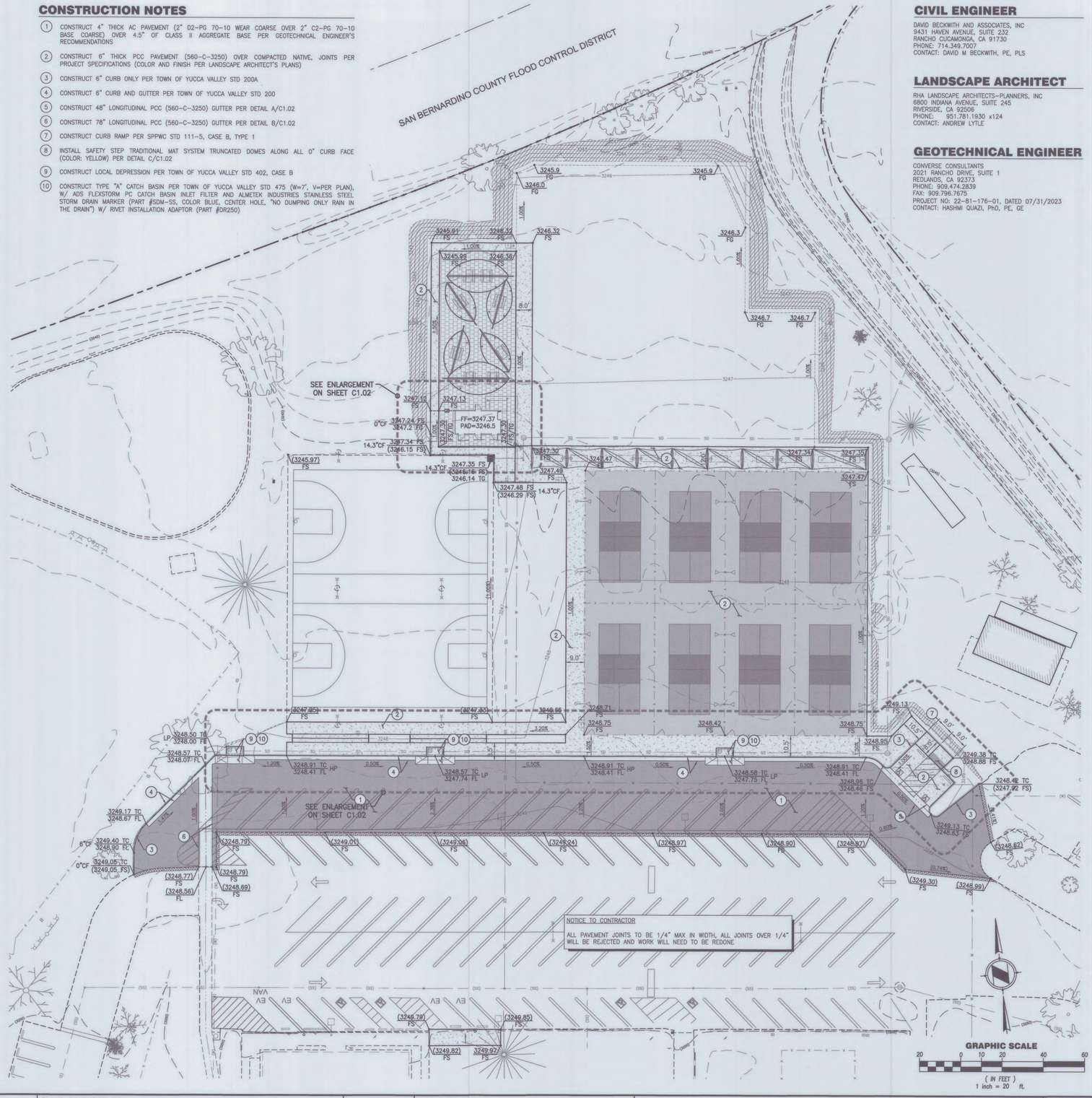
09/09/2024

IT'S THE LAW! DIAL BEFORE YOU DIG! — DIGALERT — CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING — 811 — UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 811

CONSTRUCTION NOTES

1. CONSTRUCT 4" THICK AC PAVEMENT (2" D2-PG 70-10 WEAR COARSE OVER 2" C2-PG 70-10 BASE COARSE) OVER 4.5" OF CLASS II AGGREGATE BASE PER GEOTECHNICAL ENGINEER'S RECOMMENDATIONS
2. CONSTRUCT 6" THICK PCC PAVEMENT (560-C-3250) OVER COMPACTED NATIVE, JOINTS PER PROJECT SPECIFICATIONS (COLOR AND FINISH PER LANDSCAPE ARCHITECT'S PLANS)
3. CONSTRUCT 6" CURB ONLY PER TOWN OF YUCCA VALLEY STD 200A
4. CONSTRUCT 6" CURB AND GUTTER PER TOWN OF YUCCA VALLEY STD 200
5. CONSTRUCT 48" LONGITUDINAL PCC (560-C-3250) GUTTER PER DETAIL A/C1.02
6. CONSTRUCT 78" LONGITUDINAL PCC (560-C-3250) GUTTER PER DETAIL B/C1.02
7. CONSTRUCT CURB RAMP PER SPPWC STD 111-5, CASE B, TYPE 1
8. INSTALL SAFETY STEP TRADITIONAL MAT SYSTEM TRUNCATED DOMES ALONG ALL 0" CURB FACE (COLOR: YELLOW) PER DETAIL C/C1.02
9. CONSTRUCT LOCAL DEPRESSION PER TOWN OF YUCCA VALLEY STD 402, CASE B
10. CONSTRUCT TYPE "A" CATCH BASIN PER TOWN OF YUCCA VALLEY STD 475 (W=7', V=PER PLAN), W/ ADS FLEXSTORM PC CATCH BASIN INLET FILTER AND ALMETEK INDUSTRIES STAINLESS STEEL STORM DRAIN MARKER (PART #SDM-SS, COLOR BLUE, CENTER HOLE, "NO DUMPING ONLY RAIN IN THE DRAIN") W/ RIVET INSTALLATION ADAPTOR (PART #DR250)



CIVIL ENGINEER

DAVID BECKWITH AND ASSOCIATES, INC
9431 HAVEN AVENUE, SUITE 232
RANCHO CUCAMONGA, CA 91730
PHONE: 714.349.7007
CONTACT: DAVID M BECKWITH, PE, PLS

LANDSCAPE ARCHITECT

RHA LANDSCAPE ARCHITECTS-PLANNERS, INC
6800 INDIANA AVENUE, SUITE 245
RIVERSIDE, CA 92506
PHONE: 951.781.1930 x124
CONTACT: ANDREW LYTLE

GEOTECHNICAL ENGINEER

CONVERSE CONSULTANTS
2021 RANCHO DRIVE, SUITE 1
REDLANDS, CA 92373
PHONE: 909.474.2839
FAX: 909.798.7675
PROJECT NO: 22-81-176-01, DATED 07/31/2023
CONTACT: HASHMI QUAZI, PhD, PE, GE

BENCHMARK No.: NGS 705-20

FOUND BRASS DISK STAMPED "705-20", SET IN CONCRETE SLAB IN PLANTER OF 76 GAS STATION, APPROXIMATELY 1' ABOVE STREET GRADE. LOCATED APPROXIMATELY 57' WEST OF THE CENTERLINE OF HIGHWAY 247 AND 40' NORTH OF THE CENTERLINE OF 29 PALMS OUTER NORTH HIGHWAY. ALSO BEING APPROXIMATELY 9' SOUTHWEST OF POWER POLE #16059858.

ELEVATION: 3258.96 (NAVD88)

REVISIONS

MARK	DATE	INITIAL	DESCRIPTION	DATE	APP'VD

PLANS PREPARED BY:
DAVID BECKWITH AND ASSOCIATES INC
Civil & Structural Engineering - Land Surveying - Environmental Services
9431 Haven Avenue, Suite 232
Rancho Cucamonga, CA 91730
(T) 714.349.7007 (F) 714.948.4471
www.davidbeckwithandassociates.com

APPROVED BY:
PUBLIC WORKS DIRECTOR, ALEX QISHTA — DATE 9/18/24
RCE 77602 EXP. 9/30/2026

RECOMMENDED BY:

TOWN OF YUCCA VALLEY

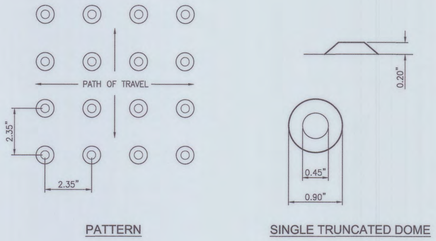
COMMUNITY CENTER ATHLETIC FACILITY

PRECISE GRADING PLANS

GENERAL NOTES AND PRECISE GRADING

SHEET 01 OF 08 SHEETS

C1.01 DRAWING NO.



PATTERN

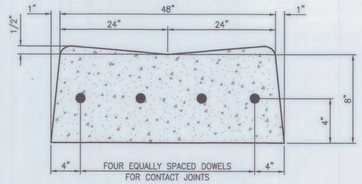
SINGLE TRUNCATED DOME

NOTES:

1. MANUFACTURER: SAFETY STEP TD 866-723-3883
2. COLOR: YELLOW
3. INSTALL PER MANUFACTURER'S SPECIFICATIONS
4. ALL EXPOSED EDGES TO BE TAPERED AT 2:1 WITH A MAXIMUM RISE OF 1/2"
5. MINIMUM DEPTH FROM CURB FACE TO BACK OF MAT IS 3'

TRUNCATED DOMES (C)

NOT TO SCALE

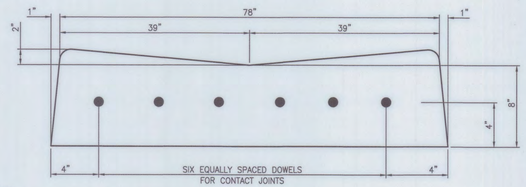


NOTES:

1. WEAKEND-PLANE JOINTS SHALL BE PLASTIC CONTROL JOINTS OR 1-1/2" DEEP SAWCUTS. CONCRETE SAWING SHALL TAKE PLACE WITHIN 24-HOURS AFTER CONCRETE IT PLACED.
2. DOWELS FOR CONTACT JOINTS SHALL BE #4 BARS 18" LONG.
3. ALL EXPOSED CORNERS SHALL BE ROUND WITH 1/2" RADIUS.
4. CONCRETE SHALL NOT BE INTEGRAL WITH CURB UNLESS OTHERWISE SPECIFIED.
5. CONCRETE SHALL BE TYPE 560-C-3250 PER SSPWC.

48" LONGITUDINAL GUTTER (A)

NOT TO SCALE



NOTES:

1. WEAKEND-PLANE JOINTS SHALL BE PLASTIC CONTROL JOINTS OR 1-1/2" DEEP SAWCUTS. CONCRETE SAWING SHALL TAKE PLACE WITHIN 24-HOURS AFTER CONCRETE IT PLACED.
2. DOWELS FOR CONTACT JOINTS SHALL BE #4 BARS 18" LONG.
3. ALL EXPOSED CORNERS SHALL BE ROUND WITH 1/2" RADIUS.
4. CONCRETE SHALL NOT BE INTEGRAL WITH CURB UNLESS OTHERWISE SPECIFIED.
5. CONCRETE SHALL BE TYPE 560-C-3250 PER SSPWC.

78" LONGITUDINAL GUTTER (B)

NOT TO SCALE

CONSTRUCTION NOTES

		QTY
1	CONSTRUCT 4" THICK AC PAVEMENT (2" D2-PG 64-10 WEAR COARSE OVER 2" C2-PG 64-10 BASE COARSE) OVER 4.5" OF CLASS II AGGREGATE BASE PER GEOTECHNICAL ENGINEER'S RECOMMENDATIONS	14,000 SF
2	CONSTRUCT 6" THICK PCC PAVEMENT (560-C-3250) OVER COMPACTED NATIVE, JOINTS PER PROJECT SPECIFICATIONS (COLOR AND FINISH PER LANDSCAPE ARCHITECT'S PLANS)	46,660 SF
3	CONSTRUCT 6" CURB ONLY PER TOWN OF YUCCA VALLEY STD 200	120 LF
4	CONSTRUCT 6" CURB AND GUTTER PER TOWN OF YUCCA VALLEY STD 200	270 LF
5	CONSTRUCT 48" LONGITUDINAL PCC (560-C-3250) GUTTER PER DETAIL A/C1.02	110 SF
6	CONSTRUCT 78" LONGITUDINAL PCC (560-C-3250) GUTTER PER DETAIL B/C1.02	325 SF
7	CONSTRUCT CURB RAMP PER SPPWC STD 111-5, CASE B, TYPE 1	145 SF
8	INSTALL SAFETY STEP TRADITIONAL MAT SYSTEM TRUNCATED DOMES ALONG ALL 0" CURB FACE (COLOR: YELLOW) PER DETAIL C/C1.02	30 SF
9	CONSTRUCT LOCAL DEPRESSION PER TOWN OF YUCCA VALLEY STD 402, CASE B	140 SF
10	CONSTRUCT TYPE "A" CATCH BASIN PER TOWN OF YUCCA VALLEY STD 475 (W=7', V=PER PLAN), W/ ADS FLEXSTORM PC CATCH BASIN INLET FILTER AND ALMETEK INDUSTRIES STAINLESS STEEL STORM DRAIN MARKER (PART #SDM-SS, COLOR BLUE, CENTER HOLE, "NO DUMPING ONLY RAIN IN THE DRAIN") W/ RIVET INSTALLATION ADAPTOR (PART #DR250)	3 EA
21	INSTALL 24"x24" JENSEN PRECAST PCC CATCH BASIN W/ GALVANIZED STEEL TRAFFIC/ADA RATED GRATE, CORE HOLE FOR PIPE CONNECTION. INSTALL ADS FLEXSTORM PC CATCH BASIN INLET FILTER (PART #62XLHDPC)	1 EA
22	INSTALL NDS DURASLOPE CHANNEL DRAIN PER DETAIL E/C2.01	40 LF
23	INSTALL 6" ADS N-12WT IB HDPE STORM DRAIN PIPE W/ WARNING TAPE AND TRACER WIRE PER DETAIL D/C2.01	205 LF
24	INSTALL 18" ADS N-12WT IB HDPE STORM DRAIN PIPE W/ WARNING TAPE AND TRACER WIRE PER DETAIL D/C2.01	490 LF
25	INSTALL 6" ADS INJECTION MOLDED 90° BEND (PART #0699WT)	1 EA
26	INSTALL 6" ADS INJECTION MOLDED 45° WYE (PART #0681WT) W/ 6" ADS INJECTION MOLDED 45° BEND (PART #0694WT)	1 EA
27	INSTALL 18" ADS DUAL WALL FABRICATED 22.5° BEND (PART #1892AN65B)	1 EA
28	INSTALL 30" ADS NYLOPLAST MANHOLE PER DETAIL G/C4.01, MANHOLE 1	1 EA
29	INSTALL 30" ADS NYLOPLAST MANHOLE PER DETAIL G/C4.01, MANHOLE 2	1 EA
30	INSTALL 30" ADS NYLOPLAST MANHOLE PER DETAIL G/C4.01, MANHOLE 3	1 EA
31	CONNECT TO EXISTING CONCRETE TRAP CHANNEL PER SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT STD SP-187A	1 EA
41	INSTALL 4" JM EAGLE RING-TITE GASKETED JOINT SDR-35 SEWER PIPE W/ WARNING TAPE AND TRACER WIRE PER DETAIL D/C2.01	295 LF
42	NOT USED	- -
43	INSTALL 4" HARCO SDR-35 GASKETED 45° WYE (PART #35-010404) W/ 4" HARCO SDR-35 GASKETED 45° ELBOW (PART# 35-2304)	1 EA
44	INSTALL 6"x4"x6" HARCO SDR-35 GASKETED 45° WYE (PART #35-010604) W/ 4" HARCO SDR-35 GASKETED 45° ELBOW (PART# 35-2304) INTO EXISTING 6" SANITARY SEWER LINE	1 EA
45	INSTALL 4" SEWER CLEANOUT PER DETAIL C/C2.01	5 EA
46	CONNECT TO BUILDING SANITARY SEWER SYSTEM PER BUILDING PLANS	1 EA
51	INSTALL 3/4" TYPE K COPPER DOMESTIC WATER PIPE W/ WARNING TAPE AND TRACER WIRE PER DETAIL D/C2.01	25 LF
52	INSTALL 1-1/2" TYPE K COPPER DOMESTIC WATER PIPE W/ WARNING TAPE AND TRACER WIRE PER DETAIL D/C2.01	635 EA
53	INSTALL 1-1/2" TEE INTO EXISTING 1-1/2" DOMESTIC WATER LINE	1 EA
54	INSTALL 1-1/2" TYPE K COPPER PRESS FIT 90° ELBOW	4 EA
55	INSTALL 1-1/2"x3/4"x1-1/2" TYPE K COPPER PRESS FIT TEE AND CONNECT TO EXISTING 3/4" DOMESTIC WATER LINE	1 EA
56	INSTALL GATE VALVE IN CAN PER DETAIL H/C2.01 (SIZE PER PLAN)	3 EA
57	CONNECT TO BUILDING DOMESTIC WATER SYSTEM PER BUILDING PLANS	1 EA

LEGEND

(COMM)	EXISTING COMMUNICATIONS LINE	FF	FINISHED FLOOR
(IRR)	EXISTING IRRIGATION	FG	FINISHED GROUND
(E)	EXISTING ELECTRICAL	FL	FLOWLINE
(G)	EXISTING GAS	FS	FINISHED SURFACE
(SS)	EXISTING SANITARY SEWER	GB	GRADE BREAK
(SD)	EXISTING STORM DRAIN	HP	HIGH POINT
(SL)	EXISTING STREET LIGHT POWER LINE	INV	INVERT
(W)	EXISTING WATER	LP	LOW POINT
(?)	EXISTING UNKNOWN UTILITY	NAP	NOT A PART
x x	EXISTING CHAIN LINK FENCE	PIP	PROTECT IN PLACE
	EXISTING FLOWLINE	R	RIDGE
	EXISTING TOP/TOE OF SLOPE	RIM	TOP OF CLEANOUT
(1020)	EXISTING MAJOR CONTOUR	TC	TOP OF CURB
	EXISTING MINOR CONTOUR	TG	TOP OF GRATE
	SAWCUT EXISTING PAVEMENT	TW	TOP OF WALL

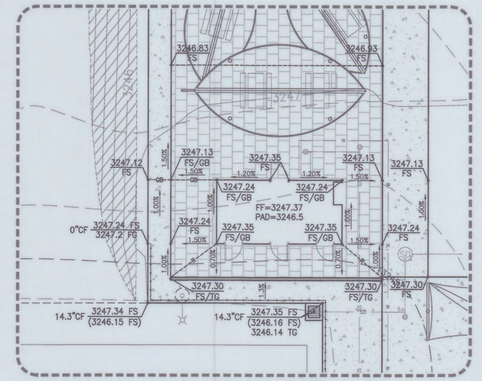
PROPOSED AC PAVEMENT

PROPOSED PCC PAVEMENT

PROPOSED AC GRIND AND OVERLAY

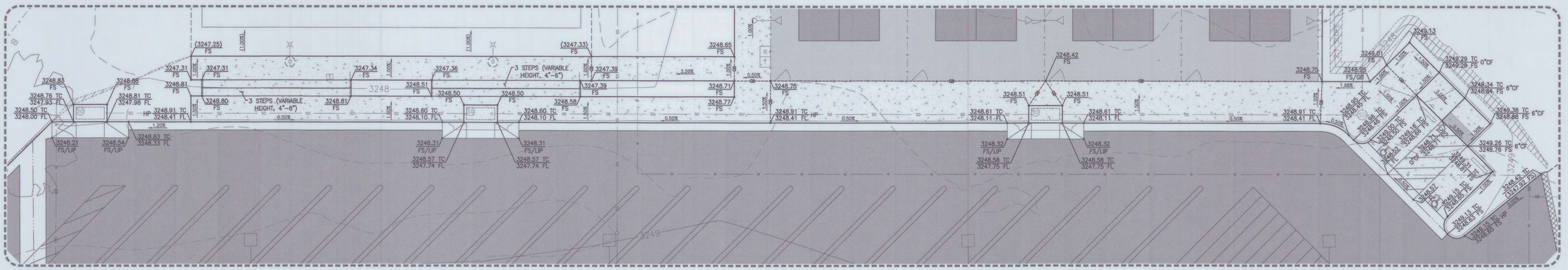
SPPWC STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

SSPWC STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION



ENLARGEMENT

SCALE: 1"=10'



ENLARGEMENT

SCALE: 1"=10'

SEAL

REGISTERED PROFESSIONAL ENGINEER — No. 73761 — Exp. 06/30/25 — CIVIL — STATE OF CALIFORNIA

09/09/2024

IT'S THE LAW ! DIAL BEFORE YOU DIG !

DIGALERT

CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING

811

UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 811

BENCHMARK No.: NGS 705-20

FOUND BRASS DISK STAMPED "705-20", SET IN CONCRETE SLAB IN PLANTER OF 76 GAS STATION, APPROXIMATELY 1' ABOVE STREET GRADE. LOCATED APPROXIMATELY 57' WEST OF THE CENTERLINE OF HIGHWAY 247 AND 40' NORTH OF THE CENTERLINE OF 29 PALMS OUTER NORTH HIGHWAY. ALSO BEING APPROXIMATELY 9' SOUTHWEST OF POWER POLE #16059856.

ELEVATION: 3258.96 (NAVD88)

REVISIONS

MARK	DATE	INITIAL	DESCRIPTION	DATE	APP'VD

PLANS PREPARED BY:

DAVID BECKWITH AND ASSOCIATES INC
Civil & Structural Engineering - Land Surveying - Environmental Services
9431 Haven Avenue, Suite 232
Rancho Cucamonga, CA 91730
(T) 714.369.7007 (F) 714.948.4471
www.davidbeckwithandassociates.com

TOWN OF YUCCA VALLEY CERTIFIED

APPROVED BY:

PUBLIC WORKS DIRECTOR, ALEX QISHTA
RCE 77602 EXP. 9/30/2026

9/18/24 DATE

RECOMMENDED BY:

TOWN OF YUCCA VALLEY

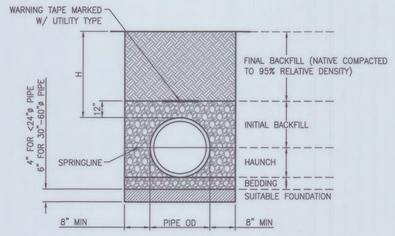
COMMUNITY CENTER ATHLETIC FACILITY

PRECISE GRADING PLANS

GRADING ENLARGEMENTS

SHEET 02 OF 06 SHEETS

C1.02 DRAWING NO.

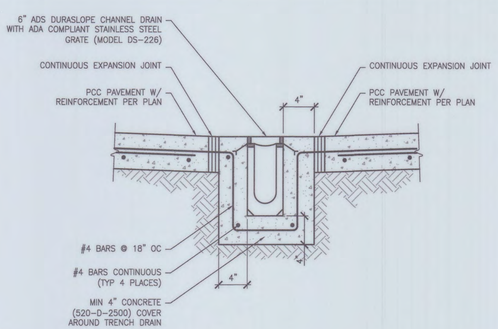


NOTES:

1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST ADDITION.
2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL.
3. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
4. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" FOR <24"ø PIPE; 6" FOR 30"-60"ø PIPE.
5. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 12" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
6. MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOTATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48"ø PIPE AND 24" OF COVER FOR 54"-60"ø PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

PIPE BEDDING

NOT TO SCALE — D

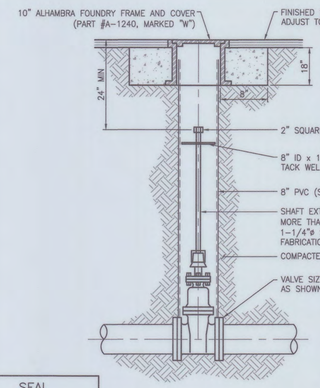


NOTES:

1. CONNECT TO BOTTOM OUTLET OF CHANNEL SECTION AT SPECIFIED LOCATION PER PLAN W/ 4" SDR-35 STORM DRAIN PIPE
2. GRATE TO BE ADA COMPLIANT STAINLESS STEEL (PART DS-226).
3. INSTALLATION TO BE COMPLETE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

NDS DURASLOPE CHANNEL DRAIN

NOT TO SCALE — E



NOTES:

1. SIZE OF VERTICAL RUN TO BE 8" MIN DIAMETER SDR-35.
2. CENTER AND PLUMB RISER OVER GATE VALVE OPERATING NUT.
3. GATE VALVE CAP TO BE PAINTED TRAFFIC BLUE.

VALVE ASSEMBLY

NOT TO SCALE — H

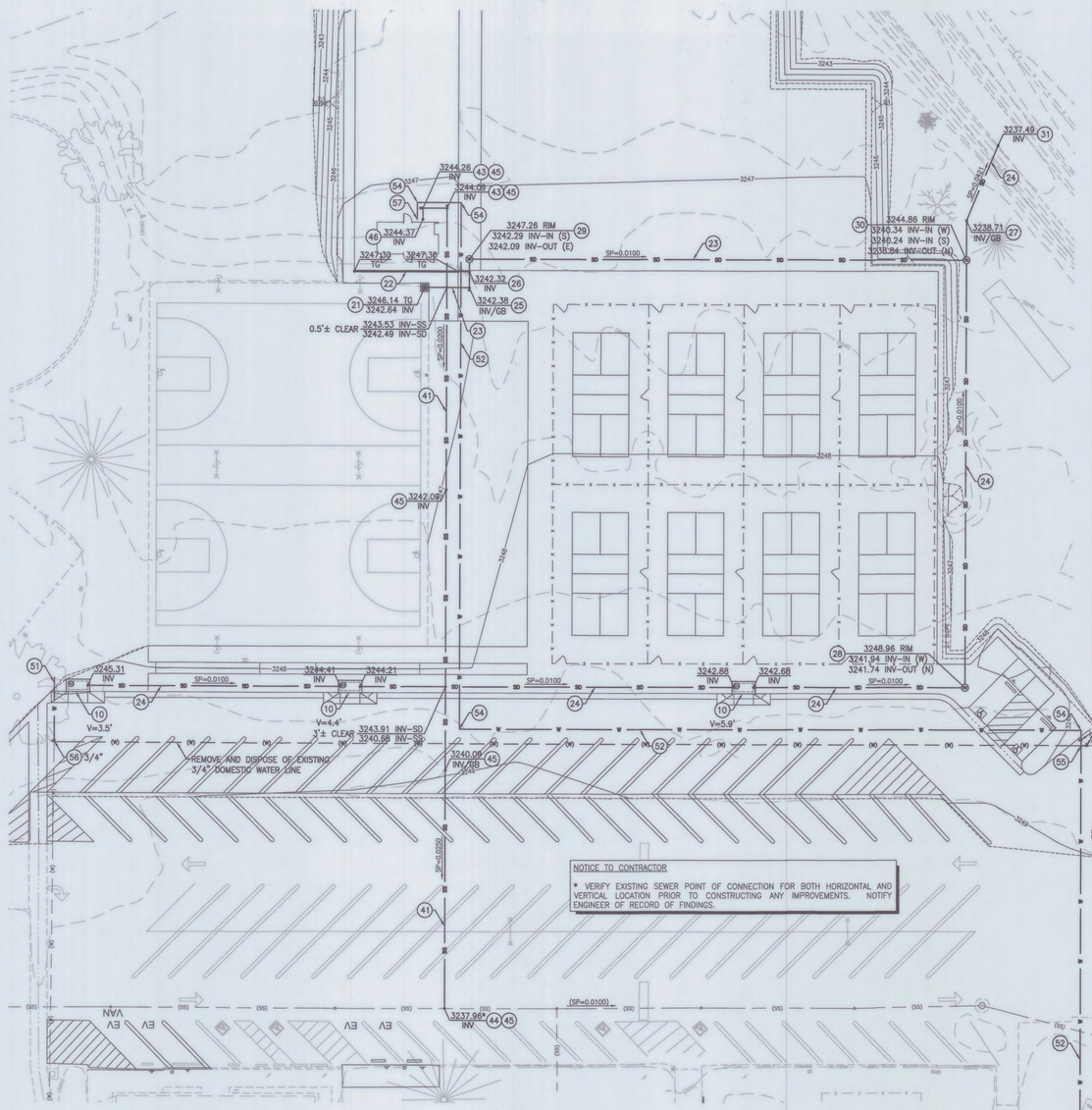
SEAL

REGISTERED PROFESSIONAL ENGINEER — DAVID MICHAEL BECKWITH — No. 73761 — Exp. 06/30/25 — CIVIL — STATE OF CALIFORNIA

09/09/2024

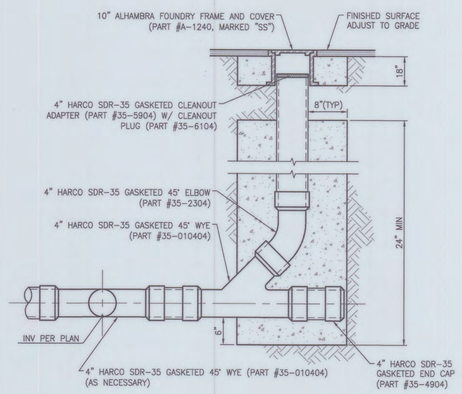
IT'S THE LAW ! DIAL BEFORE YOU DIG ! — CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING — 811 — UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA — DIGALERT

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 811



NOTICE TO CONTRACTOR

* VERIFY EXISTING SEWER POINT OF CONNECTION FOR BOTH HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTING ANY IMPROVEMENTS. NOTIFY ENGINEER OF RECORD OF FINDINGS.



NOTES:

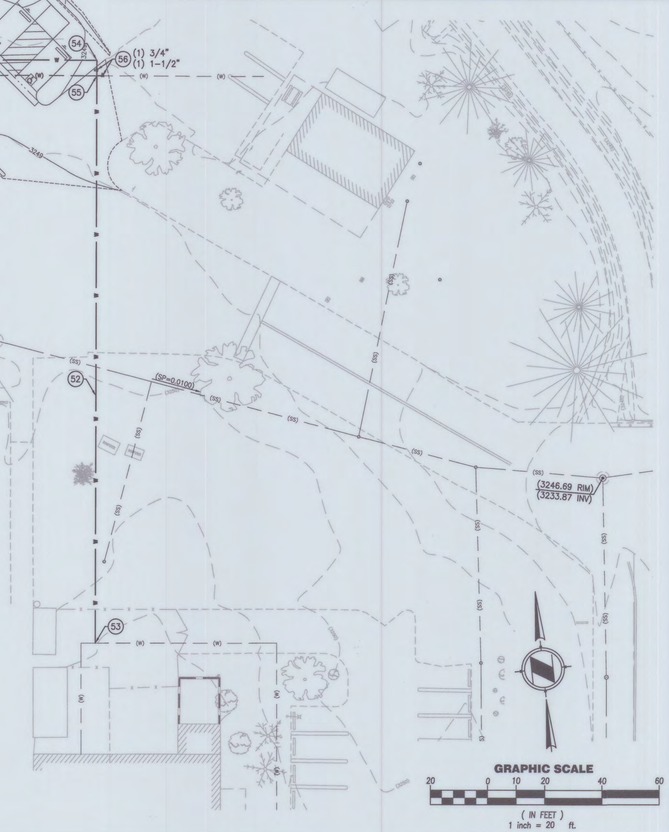
1. SIZE OF VERTICAL RUN TO BE 4" MIN DIAMETER
2. PIPE AND FITTINGS, UNLESS OTHERWISE NOTED SHALL BE THE SAME MATERIALS AS THE MAINLINE AND COMPLY WITH ASTM D1784.
3. FITTINGS SHALL MEET THE REQUIREMENTS OF ASTM F1336, ASTM D3034, AND SCA B182.2. GASKETS SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM F477 OR ASTM F913. INSTALLATION IN ACCORDANCE WITH ASTM D2321.
4. PIPE AND FITTINGS SHALL BE BEDDED AND ENCASED IN PCC AS SHOWN. PCC SHALL BE CLASS 450-C-2000 PER SSPWC. JOIN AND ALIGN PIPE AND FITTINGS BEFORE PLACING CONCRETE. MAINTAIN ALIGNMENT WHILE PLACING AND ALLOWING PCC TO SET.

SEWER CLEANOUT

NOT TO SCALE — C

CONSTRUCTION NOTES

10. CONSTRUCT TYPE "A" CATCH BASIN PER TOWN OF YUCCA VALLEY STD 475 (W=7', V=PER PLAN), W/ ADS FLEXSTORM PC CATCH BASIN INLET FILTER AND ALMETEK INDUSTRIES STAINLESS STEEL STORM DRAIN MARKER (PART #SDM-SS, COLOR BLUE, CENTER HOLE, "NO DUMPING ONLY RAIN IN THE DRAIN") W/ RIVET INSTALLATION ADAPTOR (PART #DR250)
21. INSTALL 24"x24" JENSEN PRECAST PCC CATCH BASIN W/ GALVANIZED STEEL TRAFFIC/ADA RATED GRATE, CORE HOLE FOR PIPE CONNECTION. INSTALL ADS FLEXSTORM PC CATCH BASIN INLET FILTER (PART #62XLHDPC)
22. INSTALL NDS DURASLOPE CHANNEL DRAIN PER DETAIL E/C2.01
23. INSTALL 6" ADS N-12WT IB HDPE STORM DRAIN PIPE W/ WARNING TAPE AND TRACER WIRE PER DETAIL D/C2.01
24. INSTALL 18" ADS N-12WT IB HDPE STORM DRAIN PIPE W/ WARNING TAPE AND TRACER WIRE PER DETAIL D/C2.01
25. INSTALL 6" ADS INJECTION MOLDED 90° BEND (PART #0699WT)
26. INSTALL 6" ADS INJECTION MOLDED 45° WYE (PART #0681WT) W/ 6" ADS INJECTION MOLDED 45° BEND (PART #0694WT)
27. INSTALL 18" ADS DUAL WALL FABRICATED 22.5° BEND (PART #1892AN65B)
28. INSTALL 30" ADS NYLOPLAST MANHOLE PER DETAIL G/C4.01, MANHOLE 1
29. INSTALL 30" ADS NYLOPLAST MANHOLE PER DETAIL G/C4.01, MANHOLE 2
30. INSTALL 30" ADS NYLOPLAST MANHOLE PER DETAIL G/C4.01, MANHOLE 3
31. CONNECT TO EXISTING CONCRETE TRAP CHANNEL PER SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT STD SP-187A
41. INSTALL 4" JM EAGLE RING-TITE GASKETED JOINT SDR-35 SEWER PIPE W/ WARNING TAPE AND TRACER WIRE PER DETAIL D/C2.01
42. NOT USED
43. INSTALL 4" HARCO SDR-35 GASKETED 45° WYE (PART #35-010404) W/ 4" HARCO SDR-35 GASKETED 45° ELBOW (PART# 35-2304)
44. INSTALL 6"x4"x6" HARCO SDR-35 GASKETED 45° WYE (PART #35-010604) W/ 4" HARCO SDR-35 GASKETED 45° ELBOW (PART# 35-2304) INTO EXISTING 6" SANITARY SEWER LINE
45. IINSTALL 4" SEWER CLEANOUT PER DETAIL C/C2.01
46. CONNECT TO BUILDING SANITARY SEWER SYSTEM PER BUILDING PLANS
51. INSTALL 3/4" TYPE K COPPER DOMESTIC WATER PIPE W/ WARNING TAPE AND TRACER WIRE PER DETAIL D/C2.01
52. INSTALL 1-1/2" TYPE K COPPER DOMESTIC WATER PIPE W/ WARNING TAPE AND TRACER WIRE PER DETAIL D/C2.01
53. INSTALL 1-1/2" TEE INTO EXISTING 1-1/2" DOMESTIC WATER LINE
54. INSTALL 1-1/2" TYPE K COPPER PRESS FIT 90° ELBOW
55. INSTALL 1-1/2"x3/4"x1-1/2" TYPE K COPPER PRESS FIT TEE AND CONNECT TO EXISTING 3/4" DOMESTIC WATER LINE
56. INSTALL GATE VALVE IN CAN PER DETAIL H/C2.01 (SIZE PER PLAN)
57. CONNECT TO BUILDING DOMESTIC WATER SYSTEM PER BUILDING PLANS



BENCHMARK No.: NGS 705-20

FOUND BRASS DISK STAMPED "705-20", SET IN CONCRETE SLAB IN PLANTER OF 76 GAS STATION, APPROXIMATELY .1' ABOVE STREET GRADE. LOCATED APPROXIMATELY 57' WEST OF THE CENTERLINE OF HIGHWAY 247 AND 40' NORTH OF THE CENTERLINE OF 29 PALMS OUTER NORTH HIGHWAY. ALSO BEING APPROXIMATELY 9' SOUTHWEST OF POWER POLE #16059858.

ELEVATION: 3258.96 (NAVD88)

REVISIONS

MARK	DATE	INITIAL	DESCRIPTION	DATE	APP'VD

PLANS PREPARED BY:
DAVID BECKWITH AND ASSOCIATES INC
Civil & Structural Engineering - Land Surveying - Environmental Services
9431 Haven Avenue, Suite 232
Rancho Cucamonga, CA 91730
(T) 714.349.7007 (F) 714.948.4471
www.davidbeckwithandassociates.com

APPROVED BY:
PUBLIC WORKS DIRECTOR, ALEX QISHTA
RCE 77602 EXP. 6/30/2026
9/18/24 DATE

RECOMMENDED BY:

TOWN OF YUCCA VALLEY

COMMUNITY CENTER ATHLETIC FACILITY

PRECISE GRADING PLANS

WET UTILITY PLAN

SHEET 03 OF 06 SHEETS

C2.01 DRAWING NO.

GENERAL EROSION CONTROL NOTES

1. EROSION CONTROL SHALL BE REQUIRED FOR GRADING OPERATIONS PRIOR TO THE ONSET OF ANY STORM EVENT AND PRIOR TO THE RAINY SEASON, OCTOBER 1ST THROUGH APRIL 15TH.
2. THE DESIGN CIVIL ENGINEER SHALL SUPERVISE AND ENSURE EROSION CONTROL WORK IS IN ACCORDANCE WITH APPROVED PLANS. THE QSP SHALL OVERSEE THE IMPLEMENTATION OF ALL BMP'S.
3. IN CASE OF EMERGENCY, CALL:
   _____ (RESPONSIBLE PERSON)
   _____ (FIRM NAME)
   _____ (24 HOUR TELEPHONE)
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR, AND SHALL PREVENT THE TRESPASS OF IMPOUND WATER ON PUBLIC AREAS OR THE CREATION OF HAZARDOUS CONDITIONS.
5. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS SO THAT RUNOFF IS CONTAINED WITHIN THE PROJECT AREA OR CHANNELED INTO THE STORM DRAIN SYSTEM WHICH SERVES THE RUNOFF AREA. STORM RUNOFF FROM ONE AREA SHALL NOT BE DIVERTED TO ANOTHER RUNOFF AREA.
6. NO CHANGES TO EXISTING OR NATURAL DRAINAGE COURSES SHALL BE PERMITTED DURING THE RAINY SEASON UNLESS THE APPROVED DRAINAGE FACILITIES HAVE BEEN COMPLETED.
7. CLEARING AND GRUBBING SHALL BE LIMITED TO AREAS THAT WILL RECEIVE IMMEDIATE GRADING. EROSION CONTROL MEASURES SHALL BE REQUIRED AND MAY INCLUDE; GRADED DITCHES, BRUSH BARRIERS AND SILT FENCING. CARE SHALL BE EXERCISED TO PRESERVE VEGETATION BEYOND THE LIMITS OF GRADING.
8. DESILTING BASINS SHALL BE CONSTRUCTED AS INDIVIDUAL ROUGH GRADING AREAS ARE COMPLETED.
9. TEMPORARY EROSION PROTECTION SHALL BE REQUIRED FOR MANUFACTURED SLOPES PRIOR TO PERMANENT PLANTING.
10. FILL AREAS, DURING PERIODS OF COMPLETION PRIOR TO FINAL GRADE, SHALL BE PROTECTED TO LIMIT EROSION AND THE SILTATION OF DOWNSTREAM PROPERTY. PROTECTION MEASURES MAY INCLUDE TEMPORARY DOWNDRAINS USING PIPES OR PAVED DITCHES WITH PROTECTED OUTFALL AREAS, DESILTING PONDS, CHECK DAMS, SAND BAG PROTECTION AROUND INLETS NOT YET BROUGHT TO GRADE AND APPROPRIATE CHANNEL GRADING TO DIRECT RUNOFF AWAY FROM AREAS WHERE EARTHWORK IS NOT UNDERWAY.
11. PROJECT AREAS, AS WELL AS NEIGHBORING PROPERTY AREAS, SHALL HAVE MAINTAINED FIRE ACCESS AT ALL TIMES.
12. EQUIPMENT AND PERSONNEL FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON. NECESSARY MATERIALS SHALL BE STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID DEPLOYMENT.
13. REMOVABLE PROTECTIVE DEVICES SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE 5-DAY RAIN PROBABILITY FORECAST EXCEEDS 40 PERCENT.
14. DEVICES SHALL NOT BE MOVED OR MODIFIED WITHOUT APPROVAL FROM THE TOWN ENGINEER OR PUBLIC WORKS INSPECTOR.
15. AFTER A RAINSTORM, SILT AND DEBRIS SHALL BE IMMEDIATELY REMOVED FROM CHECK BERMS, SILT FENCES AND OTHER IMPACTED AREAS.
16. AN UPDATED COPY OF THE EROSION CONTROL PLAN AND SWPPP SHALL BE KEPT AVAILABLE TO THE CITY AT THE PROJECT SITE. THE CONTRACTOR SHALL MAINTAIN ALL NECESSARY RECORDS (I.E. LOGS, INSPECTION REPORTS, ETC.).
17. INFORMATION ON THIS PLAN IS FOR EROSION CONTROL PURPOSES ONLY. THE TOWN ENGINEER MAY MODIFY THIS PLAN AS NECESSARY.
18. APPROVAL OF THIS PLAN SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITIES TO HIS SITE OR ADJACENT PROPERTIES. TEMPORARY EROSION CONTROL SHALL INCLUDE CONSTRUCTION MEASURES NECESSARY TO PREVENT, CONTROL AND ABATE WATER, MUD AND EROSION DAMAGE TO PUBLIC OR PRIVATE PROPERTY IMPACTED BY HIS CONSTRUCTION ACTIVITIES.
19. ALL BMP DEVICES MUST BE INSTALLED ACCORDING TO THE CASQA MANUAL, LATEST EDITION.
20. THE FOLLOWING BMPS FROM THE "CASQA CONSTRUCTION BMP ONLINE HANDBOOK" MUST BE IMPLEMENTED FOR ALL CONSTRUCTION ACTIVITIES AS APPLICABLE. AS AN ALTERNATE, DETAILS FROM "CALTRANS STORMWATER QUALITY HANDBOOKS, CONSTRUCTION SITE BEST MANAGEMENT PRACTICES (BMP) MANUAL" MAY BE USED. ADDITIONAL MEASURES MAY BE REQUIRED IF DEEMED APPROPRIATE BY THE BUILDING OFFICIAL.

EROSION CONTROL

- EC1 – SCHEDULING
- EC2 – PRESERVATION OF EXISTING VEGETATION
- EC3 – HYDRAULIC MULCH
- EC4 – HYDROSEEDING
- EC5 – SOIL BINDERS
- EC6 – STRAW MULCH
- EC7 – GEOTEXTILES & MATS
- EC8 – WOOD MULCHING
- EC9 – EARTH DIKES AND DRAINAGE SWALES
- EC10 – VELOCITY DISSIPATION DEVICES
- EC11 – SLOPE DRAINS
- EC13 – RESERVED
- EC14 – COMPOST BLANKETS
- EC15 – SOIL PREPARATION\ROUGHENING
- EC16 – NON-VEGETATED STABILIZATION

TEMPORARY SEDIMENT CONTROL

- SE1 – SILT FENCE
- SE2 – SEDIMENT BASIN
- SE3 – SEDIMENT TRAP
- SE4 – CHECK DAM
- SE5 – FIBER ROLLS
- SE6 – GRAVEL BAG BERM
- SE7 – STREET SWEEPING AND VACUUMING
- SE8 – SANDBAG BARRIER
- SE9 – STRAW BALE BARRIER
- SE10 – STORM DRAIN INLET PROTECTION
- SE12 – TEMPORARY SILT DIKE
- SE13 – COMPOST SOCKS & BERMS
- SE14 – BIOFILTER BAGS

WIND EROSION CONTROL

- WE1 – WIND EROSION CONTROL

EQUIPMENT TRACKING CONTROL

- TC1 – STABILIZED CONSTRUCTION ENTRANCE EXIT
- TC2 – STABILIZED CONSTRUCTION ROADWAY
- TC3 – ENTRANCE/OUTLET TIRE WASH

NON-STORMWATER MANAGEMENT

- NS1 – WATER CONSERVATION PRACTICES
- NS2 – DEWATERING OPERATIONS
- NS3 – PAVING AND GRINDING OPERATIONS
- NS5 – CLEAR WATER DIVERSION
- NS6 – ILLICIT CONNECTION/DISCHARGE
- NS7 – POTABLE WATER/IRRIGATION
- NS8 – VEHICLE AND EQUIPMENT CLEANING
- NS9 – VEHICLE AND EQUIPMENT FUELING
- NS10 – VEHICLE AND EQUIPMENT MAINTENANCE
- NS11 – PILE DRIVING OPERATIONS
- NS12 – CONCRETE CURING
- NS13 – CONCRETE FINISHING
- NS14 – MATERIAL AND EQUIPMENT USE

WASTE MANAGEMENT & MATERIAL POLLUTION CONTROL

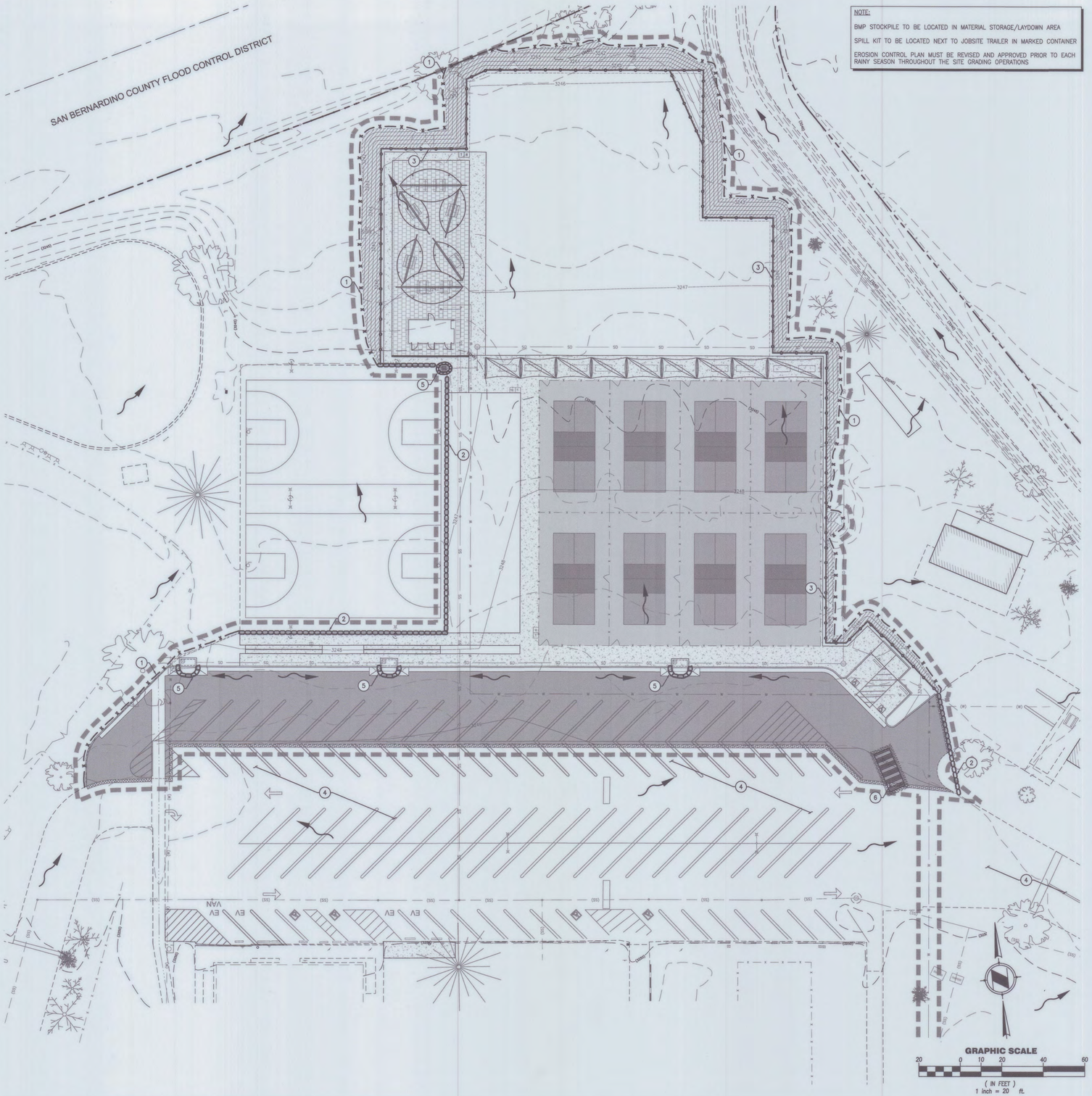
- WM1 – MATERIAL DELIVERY AND STORAGE
- WM2 – MATERIAL USE
- WM3 – STOCKPILE MANAGEMENT
- WM4 – SPILL PREVENTION AND CONTROL
- WM5 – SOLID WASTE MANAGEMENT
- WM6 – HAZARDOUS WASTE MANAGEMENT
- WM7 – CONTAMINATION SOIL MANAGEMENT
- WM8 – CONCRETE WASTE MANAGEMENT
- WM9 – SANITARY/SEPTIC WASTE MANAGEMENT
- WM10 – LIQUID WASTE MANAGEMENT

CONSTRUCTION NOTES

1. INSTALL SILT FENCE SEDIMENT CONTROL PER SE-1
2. INSTALL GRAVEL BAG SEDIMENT CONTROL PER SE-4 AND SE-6
3. INSTALL FIBER ROLL SEDIMENT CONTROL PER SE-5
4. PROVIDE STREET SWEEPING SEDIMENT CONTROL PER SE-7
5. INSTALL STORM DRAIN INLET PROTECTION PER SE-10
6. INSTALL STABILIZED CONSTRUCTION ENTRANCE/EXIT TRACKING CONTROL PER TC-1
7. PROVIDE VEHICLE EQUIPMENT AND FUELING, VEHICLE AND EQUIPMENT MAINTENANCE, MATERIAL DELIVERY AND STORAGE, MATERIAL USE, SPILL PREVENTION AND CONTROL, SOLID WASTE MANAGEMENT, CONCRETE WASHOUT, AND SEPTIC WASTE MANAGEMENT, PER NONS-STORMWATER CONTROLS NS-9, NS-10, AND WASTE MANAGEMENT CONTROLS WM-1, WM-2, WM-4, WM-5, WM-8, AND WM-9, RESPECTIVELY (TO BE PROVIDED ACROSS THE ENTIRETY OF THE SITE ENSURING COMPLIANCE IN ALL LOCATIONS WITH THE PROJECT SWPPP)

LEGEND

- SILT FENCE
- FIBER ROLL
- GRAVEL BAG
- INLET PROTECTION
- STABILIZED CONSTRUCTION ENTRANCE/EXIT
- SURFACE FLOW DIRECTION
- LIMIT OF WORK



SEAL

No. 73761 Exp. 06/30/25 CIVIL STATE OF CALIFORNIA

09/09/2024

IT'S THE LAW ! DIAL BEFORE YOU DIG ! DIGALERT

CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING 811 UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 811

BENCHMARK No.: NGS 705-20

FOUND BRASS DISK STAMPED "705-20", SET IN CONCRETE SLAB IN PLANTER OF 76 GAS STATION, APPROXIMATELY 1' ABOVE STREET GRADE. LOCATED APPROXIMATELY 57' WEST OF THE CENTERLINE OF HIGHWAY 247 AND 40' NORTH OF THE CENTERLINE OF 29 PALMS OUTER NORTH HIGHWAY. ALSO BEING APPROXIMATELY 9' SOUTHWEST OF POWER POLE #1605985E.

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APPROVED BY:
Alex Qishta 9/18/24
PUBLIC WORKS DIRECTOR, ALEX QISHTA DATE
RCE 77602 EXP. 9/30/2026

RECOMMENDED BY:

TOWN OF YUCCA VALLEY

COMMUNITY CENTER ATHLETIC FACILITY

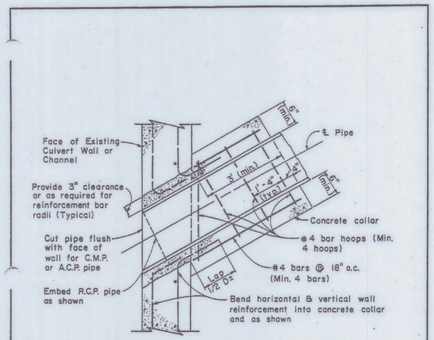
PRECISE GRADING PLANS

EROSION CONTROL PLAN

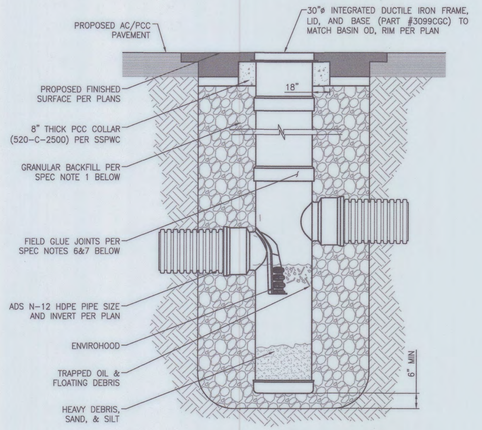
SHEET 04 OF 06 SHEETS

C3.01 DRAWING NO.

NOT USED
NOT TO SCALE



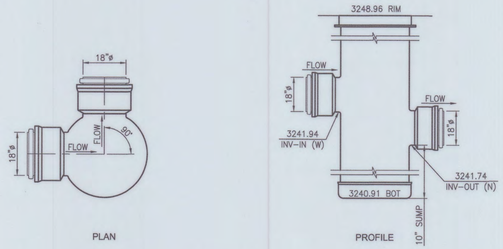
SAN BERNARDINO COUNTY FLOOD CONSTROL STD SP-187A
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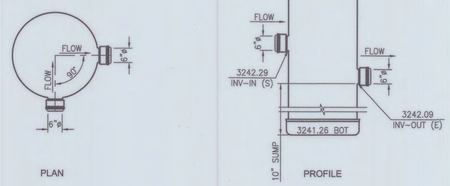
NOTES:

1. THE BACKFILL MATERIAL SHALL BE CRUSHED STONE OR OTHER GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CLASS I OR CLASS II MATERIAL AS DEFINED IN ASTM D2321. BEDDING & BACKFILL FOR SURFACE DRAINAGE INLETS SHALL BE WELL PLACED & COMPACTED UNIFORMLY IN ACCORDANCE WITH ASTM D2321.
2. GRATES AND FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
3. DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS.
4. DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE.
5. NYLOPLAST RISER JOINTS SHALL BE FIELD INSTALLED USING THE GUIDELINES OUTLINED IN ASTM D2855.
6. PVC CEMENT USED SHALL MEET THE REQUIREMENTS OF ASTM D2564.
7. PVC PRIMER USED SHALL MEET THE REQUIREMENTS OF ASTM F656.
8. PVC SURFACE DRAINAGE INLETS SHALL BE OF THE ROAD AND HIGHWAY STRUCTURE TYPE AS INDICATED ON THE CONTRACT DRAWINGS. THE DUCTILE IRON FRAME AND GRATE FOR EACH OF THESE STRUCTURES IS TO BE CONSIDERED AN INTEGRAL PART OF THE SURFACE DRAINAGE INLET AND SHALL BE FURNISHED BY THE SAME MANUFACTURER. THE ROAD AND HIGHWAY STRUCTURE SHALL BE AS MANUFACTURED BY NYLOPLAST, A DIVISION OF ADVANCED DRAINAGE SYSTEMS, INC OR PRIOR APPROVED EQUAL.
9. THE ROAD AND HIGHWAY STRUCTURE REQUIRED FOR THIS CONTRACT SHALL BE MANUFACTURED FROM PVC PIPE STOCK, UTILIZING A THERMO-MOLDING PROCESS TO REFORM THE PIPE STOCK TO THE SPECIFIED CONFIGURATION. THE DRAINAGE PIPE CONNECTION SHALL BE MANUFACTURED FROM PVC STOCK AND FORMED TO PROVIDE A WATERTIGHT CONNECTION WITH THE SPECIFIED PIPE SYSTEM. THE JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR JOINTS FOR DRAIN AND SEWER PLASTIC PIPE USING FLEXIBLE ELASTOMERIC SEALS. THE FLEXIBLE ELASTOMERIC SEALS SHALL CONFORM TO ASTM F477. THE PIPE BELL SPIGOT SHALL BE JOINED TO THE MAIN BODY OF THE STRUCTURE. THE RAW MATERIAL USED TO MANUFACTURE THE PIPE STOCK THAT IS USED TO MANUFACTURE THE MAIN BODY AND PIPE STUBS OF THE SURFACE DRAINAGE INLET SHALL CONFORM TO ASTM D178 CELL CLASS 12454.
10. THE GRATE AND FRAME FOR ALL ROAD AND HIGHWAY STRUCTURES SHALL BE DUCTILE IRON AND SHALL BE MADE SPECIFICALLY FOR EACH SO AS TO PROVIDE A ROUND BOTTOM FLANGE THAT CLOSELY MATCHES THE DIAMETER OF THE PVC BASIN BODY. THE GRATE AND FRAME SHALL BE CAPABLE OF SUPPORTING H-20 WHEEL LOADING FOR THE TRAFFIC AREAS. THE METAL USED IN THE MANUFACTURE OF THE CASTING SHALL CONFORM TO ASTM A536 GRADE 70-50-05 FOR DUCTILE IRON.
11. THE SPECIFIED PVC ROAD AND HIGHWAY STRUCTURE SHALL BE INSTALLED USING CONVENTIONAL FLEXIBLE PIPE BACKFILL MATERIALS AND PROCEDURES. THE BACKFILL MATERIAL SHALL BE CRUSHED STONE OR OTHER GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CLASS 1 OR 2 MATERIAL AS DEFINED IN ASTM D2321. BEDDING AND BACKFILL FOR THE ROAD AND HIGHWAY STRUCTURE SHALL BE PLACED AND COMPACTED UNIFORMLY IN ACCORDANCE WITH ASTM D2321. THE ROAD AND HIGHWAY STRUCTURE BODY WILL BE CUT AT THE TIME OF THE FINAL GRADE. NO BRICK, STONE, OR CONCRETE BLOCK WILL BE REQUIRED TO SET THE GRATE TO THE FINAL GRADE HEIGHT. FOR H-20 LOAD RATED INSTALLATIONS, A CONCRETE RING WILL BE POURED UNDER AND AROUND THE GRATE AND FRAME. THE CONCRETE SLAB MUST BE DESIGNED TAKING INTO CONSIDERATION LOCAL SOIL CONDITIONS, TRAFFIC LOADING, AND OTHER APPLICABLE DESIGN FACTORS. FOR OTHER INSTALLATION CONSIDERATIONS SUCH AS MIGRATION OF FINES, GROUND WATER, AND SOFT FOUNDATIONS, REFER TO ASTM D2321 GUIDELINES.
12. ENVIROHOOD INSTALLATION
    - 12.1. MEASURE 3.5" UP FROM THE INVERT OF THE OUTLET PIPE AND MAKE A HORIZONTAL MARK
    - 12.2. INSERT THE ENVIROHOOD ON THE HORIZONTAL MARK. POSITION THE ENVIROHOOD DIRECTLY OVER THE OUTLET PIPE SO THAT THE ENTIRE OUTLET IS COVERED AND THE FLANGES OF THE HOOD DO NOT BLOCK THE INLETS PIPES.
    - 12.3. MARK AND PRE-DRILL (TO MATCH HOLES IN THE HOOD, 3/16" PILOT HOLES, FOR THE #14x1-1/4"SS SELF TAPPING HEX DRIVE SCREWS. INSTALL 1/4"x1" NEOPRENE BACKED WASHERS ON EACH SCREW.
    - 12.4. ATTACH ENVIROHOOD TO THE DRAIN BASIN WITH THE #14 STAINLESS STEEL SCREWS TO APPROX 10-15 FT-LBS

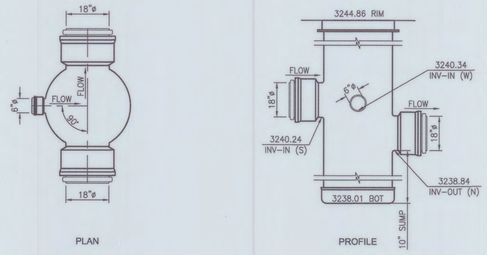
NYLOPLAST MANHOLE
NOT TO SCALE



MANHOLE No. 1



MANHOLE No. 2



MANHOLE No. 3

NOT USED
NOT TO SCALE

YUCCA VALLEY STD 200A
NOT TO SCALE

SEAL

IT'S THE LAW ! DIAL BEFORE YOU DIG !
DIGALERT
CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING
811
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA
BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 811

09/09/2024

BENCHMARK No.: NGS 705-20
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ELEVATION: 3258.96 (NAVD88)

REVISIONS					
MARK	DATE	INITIAL	DESCRIPTION	DATE	APP'VD

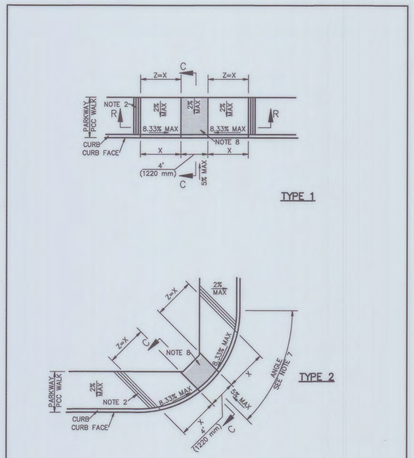
PLANS PREPARED BY:
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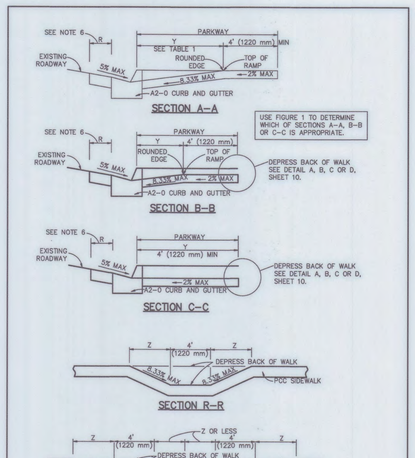
APPROVED BY:
PUBLIC WORKS DIRECTOR, ALEX QISHTA
RCE 77602 EXP. 9/30/2026
9/18/24 DATE

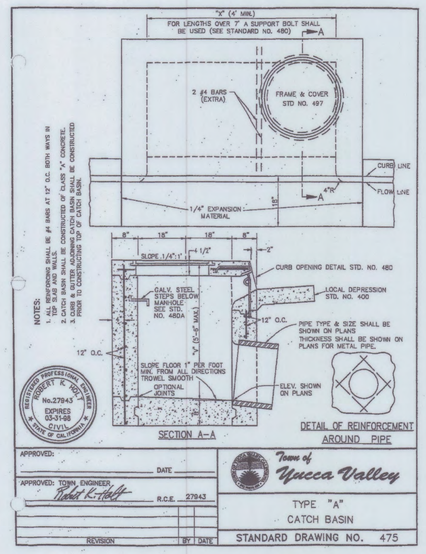
RECOMMENDED BY:

TOWN OF YUCCA VALLEY
COMMUNITY CENTER ATHLETIC FACILITY
PRECISE GRADING PLANS
DETAIL SHEET

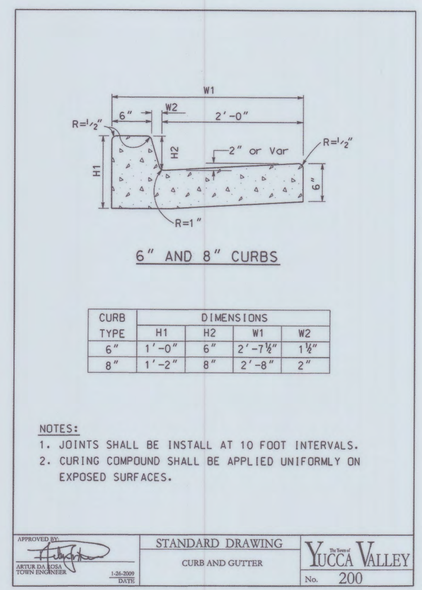
SHEET 05 OF 08 SHEETS
C4.01 DRAWING NO.







YUCCA VALLEY STD 475
NOT TO SCALE



CURB TYPE	DIMENSIONS			
	H1	H2	W1	W2
6"	1'-0"	6"	2'-7½"	1½"
8"	1'-2"	8"	2'-8"	2"

YUCCA VALLEY STD 200
NOT TO SCALE

SPPWC STD 111-5, CASE B, TYPE 1 AND CASE D, TYPE 2
NOT TO SCALE

YUCCA VALLEY STD 497
NOT TO SCALE

YUCCA VALLEY STD 480A
NOT TO SCALE

YUCCA VALLEY STD 402
NOT TO SCALE

SEAL

09/09/2024

IT'S THE LAW ! DIAL BEFORE YOU DIG !
DIGALERT
CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING
811
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA
BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 811

BENCHMARK No.: NGS 705-20

FOUND BRASS DISK STAMPED "705-20", SET IN CONCRETE SLAB IN PLANTER OF 78 GAS STATION, APPROXIMATELY 1' ABOVE STREET GRADE. LOCATED APPROXIMATELY 57' WEST OF THE CENTERLINE OF HIGHWAY 247 AND 40' NORTH OF THE CENTERLINE OF 29 PALMS OUTER NORTH HIGHWAY, ALSO BEING APPROXIMATELY 9' SOUTHWEST OF POWER POLE #1605985E.

ELEVATION: 3258.96 (NAVD88)

REVISIONS

MARK	DATE	INITIAL	DESCRIPTION	DATE	APP'VD

PLANS PREPARED BY:
DAVID BECKWITH AND ASSOCIATES INC
Civil & Structural Engineering - Land Surveying - Environmental Services
9431 Haven Avenue, Suite 232
Rancho Cucamonga, CA 91730
(T) 714.349.7007 (F) 714.948.4471
www.davidbeckwithandassociates.com

APPROVED BY:
PUBLIC WORKS DIRECTOR, ALEX QISHTA
RCE 77602 EXP. 9/30/2026
9/18/24 DATE

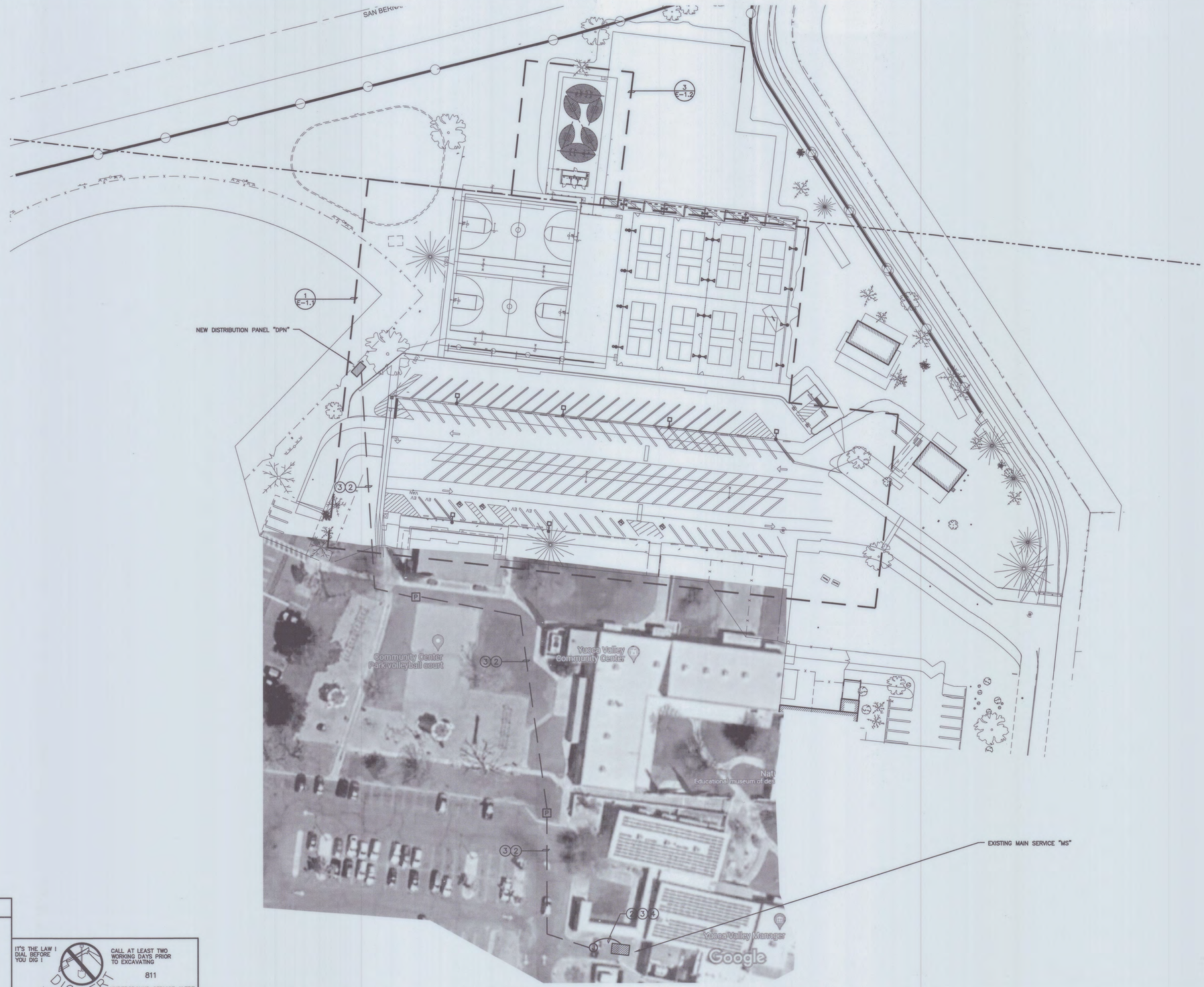
RECOMMENDED BY:

TOWN OF YUCCA VALLEY
COMMUNITY CENTER ATHLETIC FACILITY
PRECISE GRADING PLANS
DETAIL SHEET

SHEET 06 OF 06 SHEETS
C4.02 DRAWING NO.

SITE PLAN NOTES:

1. MOUNT TO EXTERIOR WALL VERIFY HEIGHT PRIOR TO ROUGH-IN.
2. SEE SINGLE LINE DIAGRAM.
3. VERIFY ROUTING PRIOR TO ROUGH-IN.
4. MOUNT EXPOSED TO CEILING OR WALL.



SEAL

REGISTERED PROFESSIONAL ENGINEER
JOSEPH J RIGONDEAUX
EXP. 9/30/25
ELECTRICAL
STATE OF CALIFORNIA

IT'S THE LAW ! DIAL BEFORE YOU DIG !
DIGALERT
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UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

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ELECTRICAL SITE PLAN

SCALE 1"=40'-0" (1)

BENCH MARK NO.

REVISIONS

MARK	DATE	INITIAL	DESCRIPTION	DATE	APP'VD

PLANS PREPARED BY
JCA Engineering Inc.
Electrical Engineering & Consulting
8048 Palm Ave
Highland, Ca.
92346
909 864-0223
Fax 909 864-0280
james.corns@jcaeng.com
SIG # 3032
P.M. James Corns

APPROVED BY:
PUBLIC WORKS DIRECTOR, ALEX QISHTA
R.C.E. 77602 EXP. 9/30/2024
9/18/24 DATE

RECOMMENDED BY:

TOWN OF YUCCA VALLEY

Community Center Athletic Facility

ELECTRICAL IMPROVEMENT PLANS

ELECTRICAL SITE PLAN

SHEET 1 OF 6 SHEETS

E-1.0

DRAWING NO.

SITE PLAN NOTES:

1. 3/4"C. 2 #10 & 1 #10 E/G.
2. SEE SINGLE LINE DIAGRAM
3. PROVIDE (2) PULL BOXES (POWER & LOW VOLTAGE)
4. CLEAN EXISTING LENS OF EACH LIGHT FIXTURE
5. (3) 2"C.O.
6. 1"C. W/ (1) 12/2 AND GND. WEATHERPROOF MC ARMORED CABLE.
7. 1"C. 4 #10 & 1 #10 E/G.
8. 1"C. 6 #10 & 1 #10 E/G.
9. 1 1/4"C. 8 #10 & 1 #10 E/G.
10. ROUTE WEATHERPROOF MC ARMORED CABLES UP INTERIOR OF SUPPORT POST TO LIGHT FIXTURES

LOW VOLTAGE PLAN NOTES:

1. 1"C.O. LONG 24" RADIUS, SWEEPS, ROUTE AROUND POLE BASES.
2. 1"C.O. LONG 24" RADIUS SWEEPS, STUB UP ON INTERIOR OF POLE.
3. 2"C.O. LONG 24" RADIUS SWEEPS.
4. STUB-UP +12" A.F.F. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.

NEW

PANEL **SLP** (B) — LOCATION: DISTRIBUTION PNL "DPN" — MAIN: M.L.O. — BUS RATING 100 AMP — 480/277V. 3ø 4W — MOUNTING: FLUSH

	LOCATION	VOLTAMPS #A	VOLTAMPS #B	VOLTAMPS #C	CIR	BKR	A	B	C	BKR	CIR	VOLTAMPS #A	VOLTAMPS #B	VOLTAMPS #C	LOCATION	
(C)	PARKING LOT LTG.	900			1	20				20	2	2592			S.W. LOWER COURT LTG.	(D)
(C)	S. SECURITY LTG.		–		3	20				20	4		2592		N.W. LOWER COURT LTG.	(E)
(H)(C)	N. SECURITY LTG.			450	5	20				20	6			2592	S.E. LOWER COURT LTG.	(F)
	MAIN COURT CANOPY	1000			7	–				20	8	2592			N.E. LOWER COURT LTG.	(G)
	*		–		9	–				20	10		300		TIME SWITCH "A"	(A)
	*			–	11	–				–	12			–	*	
(G)	FUTURE COURT LTG.	2250			13	20				–	14	–			*	
	*		2592		15	20				–	16		–		*	
	*			2592	17	20				–	18			–	*	
	*	2592			19	20				–	20	–			*	
	*		–		21	–				–	22		–		*	
	*			–	23	–				–	24			–	*	
		–	–	–	SUB TOTAL					–		–	–	–		

TOTAL CONNECTED VA	=	* VA
LCL: * VA @ 25%	=	* VA
TOTAL PANEL LOAD	=	* VA
FEEDER AMPS	=	* AMPS

NOTES:
- (A) PROVIDE 7-DAY/24-HOUR/ 8-CHANNEL TIME SWITCH AND MOUNT IN COMPARTMENT IN DISTRIVBUTION PANEL "DPN"
- (B) PROVIDE PHOTOCELL ON TOP OF NEW "DPN" AND 3/4"C. W/ REQUIRED CONDUCTORS FROM PHOTOCELL TO NEW TIME SWITCHES.
- (C) PROVIDE 250V-3P-20A CONTACTOR COIL (120V.) AND CONNECT TO ZONE #1 OF TIME SWITCH "A"
- (D) CONNECT TO ZONE #2 OF TIME SWITCH "B"
- (E) CONNECT TO ZONE #3 OF TIME SWITCH "C"
- (F) CONNECT TO ZONE #4 OF TIME SWITCH "C"
- (G) CONNECT TO ZONE #5 OF TIME SWITCH "A"
- (H) ADDITIVE ALTERNATE #1

NEW

PANEL **SPP** — LOCATION: DISTRIBUTION PNL "DPN" — MAIN: 100A/3P — BUS RATING 100 AMP — 120/208V. 3ø 4W — MOUNTING: SURFACE

LOCATION	VOLTAMPS #A	VOLTAMPS #B	VOLTAMPS #C	CIR	BKR	A	B	C	BKR	CIR	VOLTAMPS #A	VOLTAMPS #B	VOLTAMPS #C	LOCATION
FUTURE CAMERA POLE #	–			1	20				100	2	–			PANEL "RP"
		–		3	20				2	4		–		
			–	5	20				–	6			–	*
	–			7	–				–	8	–			*
*		–		9	–				–	10		–		*
*			–	11	–				–	12	–		–	*
*	–			13	–				–	14				*
*		–		15	–				–	16	–			*
*			–	17	–				–	18			–	*
SUB TOTAL														

EXISTING CONNECTED VA	=	48500 VA
NEW LOAD	=	260 VA
TOTAL PANEL LOAD	=	48760 VA
FEEDER AMPS	=	58.5 AMPS

NOTES:
- (J) *
- *
- *
- *

NEW TRANSFORMER "T1"

NEW DISTRIBUTION PANEL "DPN" W/ PANEL "SLP" AND "SPP" ON INTERIOR

SLP-1 DPN-3,4,5,6

SLP-2,3,4 SLP-5,8

DPN-3,4,5,6

FOR FUTURE ELECTRIC CAR CHARGERS

EV VAN

North

SEAL

REGISTERED PROFESSIONAL ENGINEER — ANDREW J. RIDDLE III — EXP. 9/30/25 — ELECTRICAL — STATE OF CALIFORNIA

IT'S THE LAW ! DIAL BEFORE YOU DIG ! — DIGALERT — CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING — 811 — UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

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PARTIAL ELECTRICAL SITE PLAN - SOUTH

SCALE 1"=20'-0" (1)

BENCH MARK NO.

REVISIONS

MARK	DATE	INITIAL	DESCRIPTION	DATE	APP'VD

PLANS PREPARED BY

JCA Engineering Inc.
Electrical Engineering & Consulting
8048 Palm Ave.
Highland, Ca.
92346
909 864-0223
Fax 909 864-0280
james.corns@jcaeng.com
JOB # 2023
PM: James Corns

APPROVED BY:

PUBLIC WORKS DIRECTOR, ALEX QISHTA — 9/18/24 DATE
R.C.E. 77602 EXP. 9/30/2024

RECOMMENDED BY:

TOWN OF YUCCA VALLEY

Community Center Athletic Facility

ELECTRICAL IMPROVEMENT PLANS

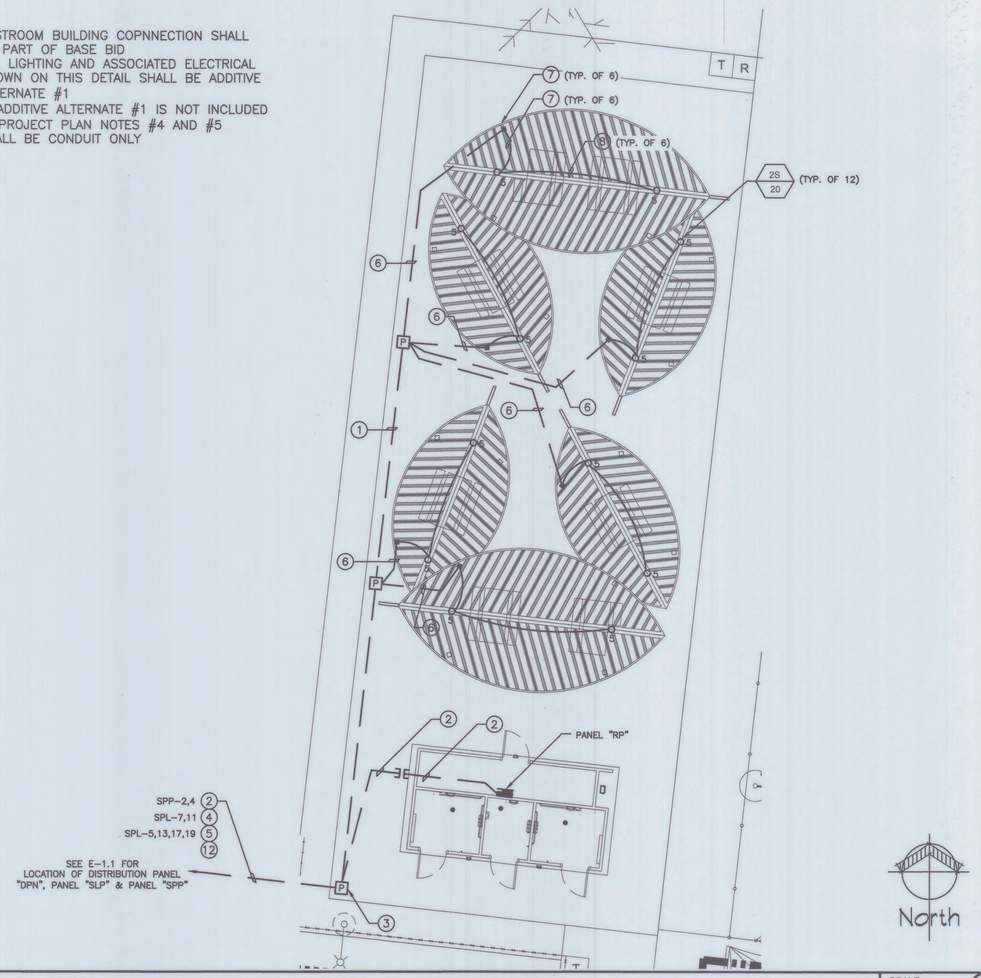
PARTIAL ELECTRICAL SITE PLAN - SOUTH AND PANEL SCHEULDES

SHEET 2 OF 6 SHEETS

E-1.1

DRAWING NO.

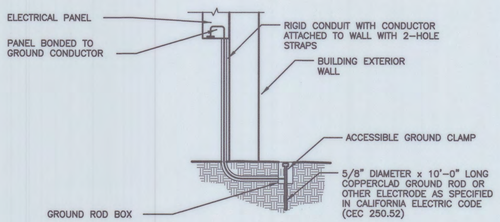
NOTES:
1. RESTROOM BUILDING COPNNECTION SHALL BE PART OF BASE BID
2. ALL LIGHTING AND ASSOCIATED ELECTRICAL SHOWN ON THIS DETAIL SHALL BE ADDITIVE ALTERNATE #1
3. IF ADDITIVE ALTERNATE #1 IS NOT INCLUDED IN PROJECT PLAN NOTES #4 AND #5 SHALL BE CONDUIT ONLY



ENLARGED ELECTRICAL SITE PLAN - ADDITIVE ALTERNATE

SCALE 1/8"=1'-0" (3)

NOTES:
1. SIZE OF CONDUCTORS SHALL COMPLY WITH C.E.C. TABLE 250.66
2. PROVIDE SEPARATE BOND CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL AND FROM GROUNDING ROD TO METAL BUILDING FRAME (C.E.C. 250). IN ADDITION TO THE DETAIL SHOWN ABOVE, BOND THE ELECTRICAL GROUND TO METAL UNDERGROUND WATER PIPE IN DIRECT CONTACT WITH THE EARTH FOR 10' OR MORE, IF AVAILABLE (C.E.C. 250)
3. ALL MODULES OF THE METAL FRAME BUILDINGS SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDING).
4. CHECK RESISTANCE OF GROUND. IF RESISTANCE EXCEEDS 25 OHMS INSTALL ADDITIONAL GROUND RODS (C.E.C. 250) AS REQUIRED, CONTRACTOR SHALL DEMONSTRATE TO OWNER OR DSA INSPECTOR THAT RESISTANCE IS 25 OMS OR LESS GROUND. GROUND ROD TESTING SHALL BE PERFORMED IN THE PRESENCE OF THE PROJECT INSPECTOR.



GROUNDING DETAIL

SCALE N.T.S. (4)

SEAL

REGISTERED PROFESSIONAL ENGINEER — JOSEPH J. RIBBECK — No. 15736 — ELECTRICAL — STATE OF CALIFORNIA

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BENCH MARK NO.

REVISIONS

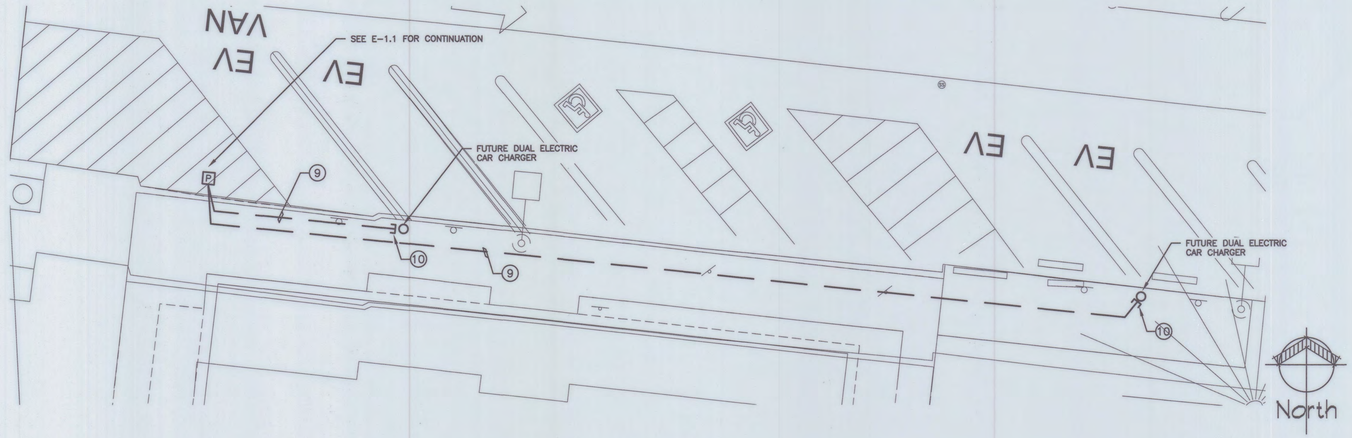
MARK	DATE	INITIAL	DESCRIPTION	DATE	APP'VD

PLANS PREPARED BY

JCA Engineering Inc.
Electrical Engineering & Consulting
8048 Palm Ave
Highland, Ca. 92346
909 864-0223
Fax 909 864-0280
james.corns@jcaeng.com
Job # 3932
P.M. James Corns

NOT USED

SCALE 1"=20'-0" (1)



ELECTRIC CAR CHARGER ENLARGED SITE PLAN

SCALE 1/8"=1'-0" (2)

APPROVED BY:

PUBLIC WORKS DIRECTOR, ALEX QISHTA — DATE 9/18/24
R.C.E. 77602 EXP. 9/30/2024

RECOMMENDED BY:

TOWN OF YUCCA VALLEY

Community Center Athletic Facility

ELECTRICAL IMPROVEMENT PLANS

PARTIAL ELECTRICAL SITE PLAN - NORTH, ELECTRIC CAR CHARGER PLAN AND ENLARGED SITE PLAN

SHEET 3 OF 6 SHEETS

E-1.2

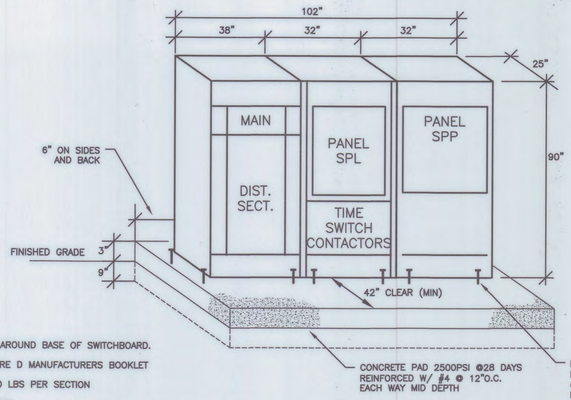
DRAWING NO.

SITE PLAN NOTES:

1. 3/4"C. 2 #10 & 1 #10 E/G.
2. SEE SINGLE LINE DIAGRAM
3. PROVIDE (2) PULLBOXES.
4. 1"C. 4 #10 & 1 #10 E/G.
5. 1 1/4"C. 8 #10 & 1 #10 E/G.
6. 3/4"C. (1) 12/2 W/ GROUND WATERPROOF MC ARMORED CABLE. STUB-UP ON INTERIOR OF SUPPORT POST.
7. (2) 12/2 W/ GROUND WATERPROOF MC ARMORED CABLE UP INTERIOR OF SUPPORT POST TO LIGHT FIXTURE.
8. (1) 12/2 W/ GROUND WATERPROOF MC ARMORED CABLE CONCEALED IN CANOPY CROSS BEAMS.
9. 2"C.O.
10. STUB-OUT, CAP AND MARK
11. NOT USED
12. (1) 1 1/2"C.O. TO PANEL "SPP"
    (1) 1 1/2"C.O. TO DISTRIBUTION PANEL "DPN"

GENERAL NOTES

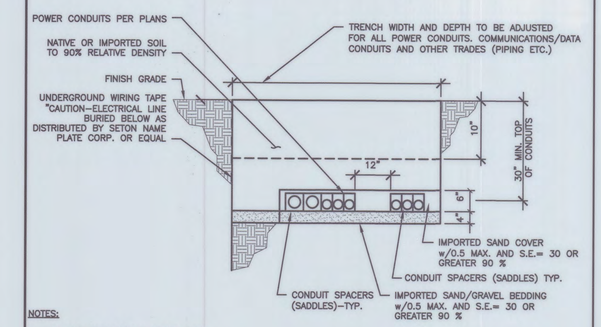
1. CONTRACTOR SHALL VERIFY EXISTING SITE CONDITIONS, SERVICE REQUIREMENTS AND EXACT LOCATIONS OF SERVICE FACILITIES BEFORE SUBMITTING BID. SUBMITTAL OF BID INDICATES CONTRACTOR ACCEPTS THE CONDITIONS UNDER WHICH HE SHALL BE REQUIRED TO PERFORM HIS WORK.
2. CONSTRUCTION TERMINOLOGY, AND THE STANDARDS OF INSTALLATION REQUIRED BY THESE CONTRACTOR DOCUMENTS ARE BASED ON PUBLISHED STANDARDS OF N.E.C.A. (NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION), NATIONAL ELECTRICAL SAFETY CODE, AMERICAN NATIONAL STANDARDS INSTITUTE DOCUMENTS, NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION, UNDERWRITERS LABORATORIES, AND THE CALIFORNIA ELECTRICAL CODE. SUBMITTAL OF BID INDICATES THE CONTRACTOR IS FAMILIAR OF THESE STANDARDS AND THE REQUIREMENTS NECESSARY TO PERFORM ALL THE WORK AS SET FORTH IN THESE CONTRACT DOCUMENTS AND ACCEPTS THE CONDITIONS.
3. SHOP DRAWINGS SHALL BE SUBMITTED WITHIN THIRTY DAYS AFTER AWARD OF THE CONTRACT. THE CONTRACTOR SHALL SUBMIT EIGHT COPIES OF A COMPLETE LIST OF MATERIALS AND EQUIPMENT INCLUDING MANUFACTURER AND MODEL NUMBER PROPOSED FOR THE JOB. SHOP DRAWINGS SHALL INCLUDE JOB DESCRIPTION, ARCHITECT AND ENGINEER IDENTIFICATION, AND ALL DATA WITH CAPACITIES, SIZES, DIMENSIONS, CATALOG NUMBERS, MANUFACTURER'S BROCHURES, AND SUPPORT DATA.
4. SUBMIT SHOP DRAWINGS FOR ALL MAJOR PIECES OF ELECTRICAL EQUIPMENT, WHICH INCLUDES, BUT NOT LIMITED TO: SWITCHGEAR, PANEL BOARDS, TRANSFORMERS, LIGHTING FIXTURES, CONTROL PANELS, AND TIME SWITCHES.
5. THESE PLANS ARE DIAGRAMMATIC ONLY. FOLLOW AS CLOSELY AS POSSIBLE. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS, STRUCTURAL DETAILS, EXACT EQUIPMENT AND OUTLET LOCATIONS.
6. ROUTING OF RACEWAYS SHALL BE AT THE OPTION OF THE CONTRACTOR UNLESS OTHERWISE NOTED AND SHALL BE COORDINATED WITH OTHER TRADES.
7. DO NOT SCALE THE ELECTRICAL DRAWINGS FOR LOCATIONS OF ANY ELECTRICAL DEVICES OR EQUIPMENT,
8. CONTRACTOR SHALL PROVIDE ALL J-BOXES, PULL BOXES, ELLS, OFFSETS ETC., FOR A COMPLETE, CODE APPROVED, INSTALLATION OF ALL CONDUIT. FOOTAGE SHOWN ON ELECTRICAL SINGLE LINES AND RISER DIAGRAMS ARE FOR CALCULATION PURPOSES ONLY, AND ARE NOT FOR BIDDING PURPOSES OR MATERIAL TAKEOFF. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW AND TO COORDINATE WITH MECHANICAL, FIRE PROTECTION, AND PLUMBING DRAWINGS FOR DUCTS, LINES, AND EQUIPMENT.
9. ALL MATERIALS SHALL BE NEW, AND OF THE SAME MANUFACTURER FOR EACH CLASS OR GROUP OF EQUIPMENT. MATERIALS SHALL BE LISTED AND APPROVED BY THE UNDERWRITER'S LABORATORIES FOR THE USE AND ENVIRONMENT, AND SHALL BEAR THE INSPECTION LABEL WHERE SUBJECT TO APPROVAL. MATERIALS SHALL MEET WITH THE APPROVAL OF THE DIVISION OF INDUSTRIAL SAFETY, AND ALL GOVERNING BODIES HAVING JURISDICTION. MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH APPLICABLE STANDARDS ESTABLISHED BY A.N.S.I., U.L., N.E.M.A., AND N.B.F.U. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
10. CONTRACTOR SHALL PERFORM HIS WORK IN ACCORDANCE WITH ALL GOVERNING STATE, COUNTY, LOCAL CODES, O.S.H.A., THE PRESENTLY ADOPTED NATIONAL ELECTRICAL CODE, AND PRESENTLY ADOPTED CALIFORNIA ELECTRICAL CODE (C.E.C.)
11. COORDINATE WITH OTHER TRADES AS TO THE EXACT LOCATION OF THEIR RESPECTIVE EQUIPMENT. SUPPLY POWER AND MAKE CONNECTIONS TO EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS AS INDICATED ON THE SINGLE LINE DIAGRAM, ELECTRICAL DRAWINGS, AND DRAWINGS OF OTHER TRADES. REVIEW THE DRAWINGS OF OTHER TRADES FOR SIZE AND LOCATION OF EQUIPMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING MANUFACTURER'S SHOP DRAWINGS PRIOR TO ROUGH-IN IN ALL CONDUIT TO EQUIPMENT.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAW CUTTING, TRENCHING, BACKFILLING, COMPACTION, AND PATCHING OF CONCRETE AND ASPHALT AS REQUIRED TO PERFORM HIS WORK. ATTENTION IS CALLED TO THE FACT THAT THERE ARE EXISTING UNDERGROUND UTILITY LINES. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN TRENCHING FOR HIS WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER AND APPROVED REPAIR OF ANY AND ALL DAMAGES CAUSED BY HIM OR HIS WORK.
13. ALL CONDUIT SHALL BE INSTALLED CONCEALED WHERE PHYSICALLY POSSIBLE.
14. P.V.C. CONDUIT SHALL BE USED UNDERGROUND ONLY, IF APPROVED BY LOCAL CODE. INSTALL PER ALL REQUIRED LOCAL CODES. ALL UNDERGROUND CONDUIT SWEEPS, UNDERGROUND RISERS, AND STUBS ABOVE GRADE SHALL BE I.M.C. WITH HALF-LAPPED TAPE COVERING OR FACTORY INSTALLED P.V.C. COATING. ROUTE ALL UNDERGROUND CONDUITS AROUND PROPOSED BUILDING AND FUTURE BUILDING LOCATIONS.
15. UNDERGROUND CONDUIT INSTALLATION DEPTH SHALL BE PER THE FOLLOWING CURRENT N.E.C.:
    +30" BELOW TURF
    +30" BELOW 2" CONCRETE AND ASPHALT
    +30" BELOW 4" NON VEHICLE CONCRETE OR ASPHALT
    +30" BELOW STREETS, HIGHWAYS, ALLEYS, DRIVEWAYS OR PARKING LOTS
16. THE CONTRACTOR SHALL EXCAVATE ALL TRENCH DEPTHS AND WIDTHS PER THE C.E.C. AND SHALL COMPACT ALL EXCAVATIONS IN A CONTINUOUS LAYER OF NOT MORE THEN 6" COMPACTED DEPTH TO THE REQUIRED DENSITY OF NINETY PERCENT (90%). THE CONTRACTOR SHALL ATTAIN THE SPECIFIED COMPACTION DENSITY BY MAINTAINING THE OPTIMUM MOISTURE CONTENT OF THE FILL MATERIAL.
17. ATTENTION IS CALLED TO THE FACT THAT THERE ARE EXISTING UNDERGROUND UTILITY LINES, THEREFORE, THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN TRENCHING FOR HIS WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER AND APPROVED BE RESPONSIBLE FOR ALL SAW CUTTING, TRENCHING, BACKFILLING, COMPACTION, AND PATCHING OF CONCRETE AND ASPHALT AS REQUIRED TO PERFORM HIS WORK. REPAIR OF ANY AND ALL DAMAGES CAUSED BY HIM OR HIS WORK. THE CONTRACTOR SHALL
18. ALL CONDUIT ONLY (C.O.) SHALL HAVE A 3/16" PULL WIRE OR ROPE, MINIMUM.
19. CONDUIT SHOWN AS EXPOSED OR APPROVED FOR EXTERIOR EXPOSED INSTALLATION SHALL BE INTERMEDIATE METALLIC CONDUIT (I.M.C.). SECURED WITH TWO-HOLE MALLEABLE PIPE STRAPS AND SCREWS. ALL BOXES AND FITTINGS SHALL BE SUPPORTED AND SECURED IN COMPLIANCE WITH C.E.C. ARTICLE 370.
20. ALL CONDUCTORS OF EVERY SYSTEM SHALL BE PERMANENTLY TAGGED IN COMPLIANCE WITH O.S.H.A.
21. THE COMPLETE ELECTRICAL SYSTEM SHALL BE GROUNDED IN ACCORDANCE WITH THE PRESENTLY ADOPTED EDITION OF THE C.E.C., ARTICLE #250.
22. CONDUCTORS SHALL BE CODE GRADE, 600 VOLT CLASS, COPPER, MARKED 24" ALONG IT'S LENGTH SHOWING MANUFACTURER'S NAME, MAXIMUM ALLOWABLE VOLTAGE AND SIZE. CONDUCTORS SHALL BE TYPE "THWN" (WET) OR "THHN" (DRY). DELIVER CONDUCTORS TO THE JOB SITE IN UNBROKEN PACKAGES.
23. THE EXACT LOCATION OF ALL ELECTRICAL DEVICES AND EQUIPMENT SHALL BE COORDINATED WITH THE LANDSCAPE ELEVATIONS, DETAILS, OR SECTIONS PRIOR TO INSTALLATION. ALL ELECTRICAL DEVICES AND EQUIPMENT SHALL BE RECESSED IN WALLS UNLESS OTHERWISE NOTED
24. PROVIDE THE OWNER WITH ONE (1) SET OF COMPLETE, UP TO DATE, "AS-BUILT" REPRODUCIBLE DRAWINGS AT THE COMPLETION OF THE PROJECT, SHOWING ACTUAL DEPTHS OF UNDERGROUND CONDUIT RUNS AT ALL LOCATIONS. ALL BROCHURES, OPERATING MANUALS, CATALOGS, SHOP DRAWINGS, ETC. SHALL BE TURNED OVER TO THE OWNER AT PROJECT COMPLETION.
25. THE COMPLETE PROJECT SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR, AFTER DATE OF ACCEPTANCE, BY OWNER. ANY WORK, MATERIAL OR EQUIPMENT FOUND TO BE FAULTY DURING THAT PERIOD SHALL BE CORRECTED IN A TIMELY MANNER, UPON WRITTEN NOTIFICATION, AT THE EXPENSE OF THE ELECTRICAL CONTRACTOR.
26. WHERE A CONFLICT OCCURS BETWEEN THESE NOTES, THE ELECTRICAL DRAWINGS OR THE ELECTRICAL SPECIFICATIONS ISSUED AS A PART OF THESE DOCUMENTS, THE MORE STRINGENT REQUIREMENT SHALL PREVAIL.
27. PANEL BOARDS SHALL BE COPPER "BOLT-ON" TYPE. COMPONENTS AND FEATURES SHALL BE IN STRICT ACCORDANCE WITH THE SERVING UTILITIES, CODE ENFORCING AGENCY, ELECTRICAL DRAWINGS, AND MAIN SERVICE MANUFACTURER AND OPERATING CHARACTERISTICS.
28. PROVIDE ENGRAVED PLASTIC NAMEPLATES FOR ALL SWITCHBOARDS, PANEL BOARDS, LOAD CENTERS, TRANSFORMERS, AND TERMINAL CABINETS. PLATES SHALL BE 3 PLY, BLACK FACE, WHITE CORE, WITH ¼" HIGH GOTHIC LETTERING.
29. HAND THE OWNER ONE SPARE SET OF EACH SIZE AND TYPE OF FUSE INSTALLED ON THIS PROJECT.
30. PROVIDE TRANSFORMERS, COPPER DRY TYPE, WITH THE RATINGS AS SHOWN ON THE DRAWINGS. PROVIDE STANDARD TAPS (2) F.C.A.N. / (4) F.C.B.N. ADJUST ALL TAPS TO NORMAL VOLTAGES USED, AND AS CLOSE AS PRACTICABLE. PROVIDE INSULATION WITH TEMPERATURE RISE NOT EXCEEDING 150 DEGREES CELSIUS, UNDER FULL LOAD, IN A LOCATION WITH AN AMBIENT TEMPERATURE OF 40 DEGREES CELSIUS. ALL EXTERIOR MOUNTED TRANSFORMERS SHALL HAVE A N.E.M.A. 3R ENCLOSURE WITH RODENT SCREENS.



NOTES:
1. PROVIDE 6" DEEP CONCRETE AROUND BASE OF SWITCHBOARD.
2. SWITCHGEAR SIZES PER SQUARE D MANUFACTURERS BOOKLET
3. MAXIMUM OP. WEIGHT = 1000 LBS PER SECTION
4. SHALL BE NEMA 3R ENCLOSURE

DISTRIBUTION PANEL DETAIL

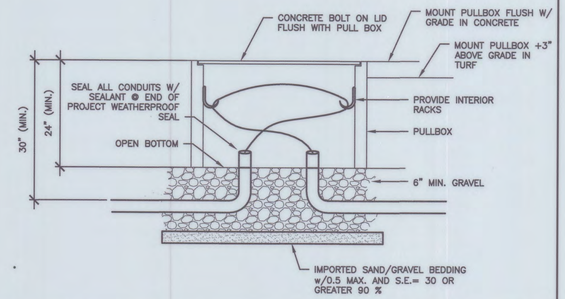
SCALE N.T.S. (4)



NOTES:
1. ALL UNDERGROUND CONDUITS PVC SCH. 80 UNLESS NOTED OTHERWISE ON PLANS
2. THIS DETAIL TO VARY PER EXACT SITE REQUIREMENT AND CONDUIT INSTALLATION

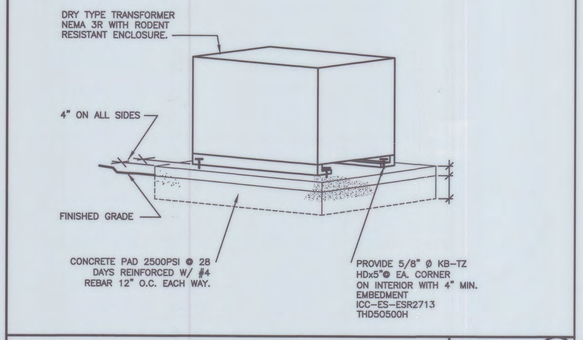
TRENCH DETAIL

SCALE N.T.S. (1)



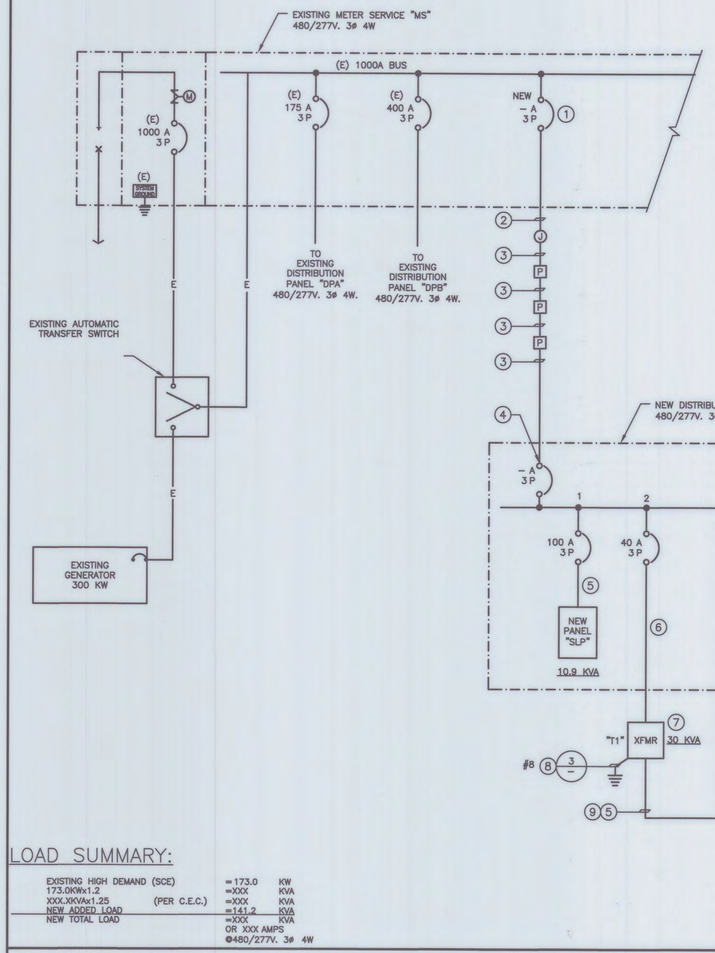
PULLBOX DETAIL

SCALE N.T.S. (2)



TRANSFORMER DETAIL

SCALE N.T.S. (3)



SINGLE LINE DIAGRAM NOTES:

1. PROVIDE NEW CIRCUIT BREAKER MATCH EXISTING MANUFACTURER AND OPERATING CHARACTERISTICS.
2. X"C. 4 #XX & 1 #XX E/G.
3. X"C. 4 #XX & 1 #XX E/G.
4. PROVIDE SPLICE BLOCKS AS REQUIRED DOWNSIZE SITE CONDUCTORS FOR CONNECTION TO CIRCUIT BREAKER.
5. 1 1/2"C. 4 #3 & 1 #8 E/G.
6. 1"C. 3 #8 & 1 #10 E/G.
7. DRY TYPE COPPER WINDING TRANSFORMER, KVA AS NOTED 480V. 3 PHASE TO 120/208V. 3 PHASE 4 WIRE. SHALL BE NEMA 3R
8. PROVIDE 3/4"C. GROUNDING ELECTRODE CONDUCTOR SIZE AS NOTED TO NEAREST AVAILABLE COLD WATER PIPE AND TO SUPPLEMENTAL PER C.EC, 250
9. CONDUCTORS SHALL NO EXCEED 10'-0" IN LENGTH.
10. 1 1/2"C. 3 #1 & 1 #6 E/G.
11. EXISTING 1 1/2"C.O. STUB-OUT PROVIDED BY PREFAB BUILDING MANUFACTURER.
12. ELECTRICAL PANEL ON INTERIOR OF PREFAB BUILDING INSTALLED BY BUILDING MANUFACTURER CONNECT NEW FEEDER AND GROUNDING COMPLETE AS SHOWN.
13. PROVIDE SPACE FULLY BUSSED FOR 100A/3P CIRCUIT BREAKER.
14. REFER TO E-1.1 FOR CONDUIT SIZES AND REQUIREMENTS
15. SEE E-1.2 DETAIL #2 FOR CONDUIT SIZES AND REQUIREMENTS.

LOAD SUMMARY:

EXISTING HIGH DEMAND (SCE)		=173.0	KW
173.0KWx1.2		=XXX	KVA
XXX.XKVAx1.25	(PER C.E.C.)	=XXX	KVA
NEW ADDED LOAD		=141.2	KVA
NEW TOTAL LOAD		=XXX	KVA
		OR XXX AMPS @480/277V. 3ø 4W	

SINGLE LINE DIAGRAM

SCALE N.T.S. (3)

SEAL

JEFFERY J. RIGGLETT, ELECTRICAL, No. 9/30/26, STATE OF CALIFORNIA

IT'S THE LAW ! DIAL BEFORE YOU DIG ! CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING 811 DIGALERT UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 811

BENCH MARK NO.

REVISIONS

MARK	DATE	INITIAL	DESCRIPTION	DATE	APP'VD

PLANS PREPARED BY

JCA Engineering Inc.
Electrical Engineering & Consulting
8048 Palm Ave
Highland, Ca. 92346
909 864-0223
Fax 909 864-0280
James.corns@jcaeng.com
JOB # 3032
JOB. James Corns

APPROVED BY:

PUBLIC WORKS DIRECTOR, ALEX QISHTA
R.C.E. 77602 EXP. 9/30/2024
9/18/24 DATE

RECOMMENDED BY:

TOWN OF YUCCA VALLEY

Community Center Athletic Facility

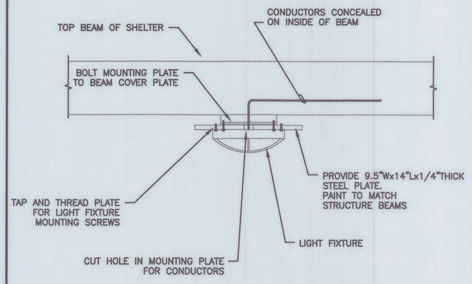
ELECTRICAL IMPROVEMENT PLANS

SYMBOL LIST, SINGLE LINE DIAGRAM AND DETAILS

SHEET 4 OF 6 SHEETS

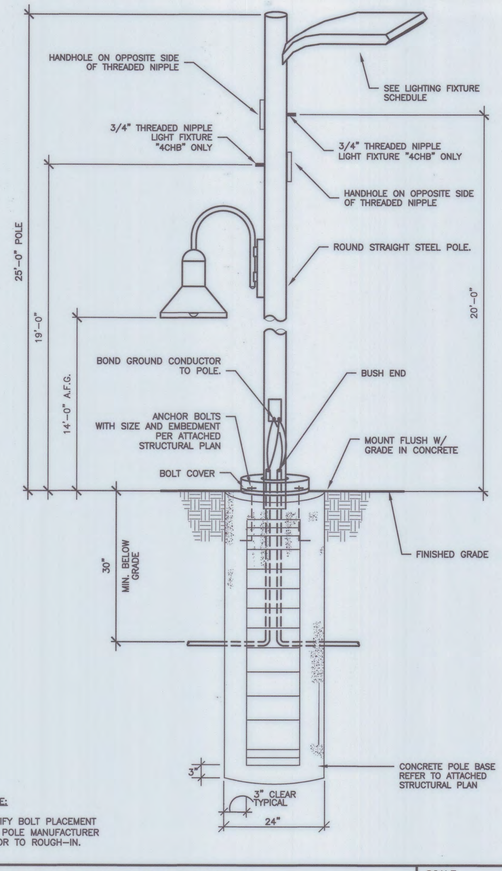
E-2.0

DRAWING NO.



CANOPY BEAM LIGHT

SCALE N.T.S. (3)

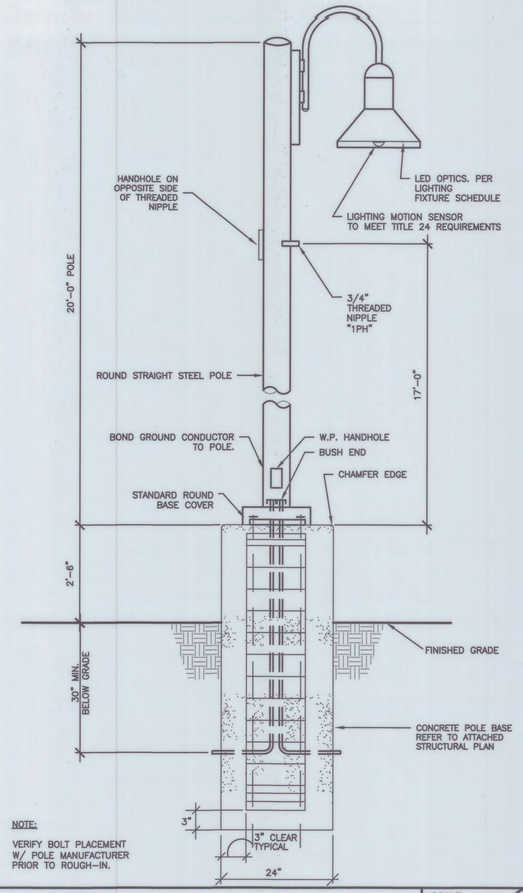


NOTE:

VERIFY BOLT PLACEMENT W/ POLE MANUFACTURER PRIOR TO ROUGH-IN.

COURT LIGHT FIXTURE

SCALE N.T.S. (2)



NOTE:

VERIFY BOLT PLACEMENT W/ POLE MANUFACTURER PRIOR TO ROUGH-IN.

PARKING LOT LIGHT FIXTURE

SCALE N.T.S. (1)

ELECTRICAL SYMBOLS LIST

	SINGLE HEAD POLE MOUNTED L.E.D. COURT LOT LIGHT FIXTURE – REFER TO LIGHTING SCHEDULE
	DOUBLE HEAD POLE MOUNTED L.E.D. COURT LOT LIGHT FIXTURE – REFER TO LIGHTING SCHEDULE
	SINGLE HEAD POLE MOUNTED L.E.D. PARKING LOT LIGHT FIXTURE – REFER TO LIGHTING SCHEDULE
	SURFACE MOUNTED AREA OR SECURITY LIGHT FIXTURE – REFER TO FIXTURE SCHEDULE.
	SURFACE CEILING MOUNTED AREA OR SECURITY LIGHT FIXTURE – REFER TO FIXTURE SCHEDULE.
A–1,3,5	HOME RUN TO PANEL. LETTER DESIGNATES PANEL, NUMBER INDICATES CIRCUITS.
	CONDUIT RUN CONCEALED, IN WALLS, FLOOR, OR ABOVE CEILING.
	CONDUIT RUN CONCEALED BELOW GRADE, 3/4"C MINIMUM.
	CONDUIT RUN EXPOSED
	CONDUIT STUB OUT, CAP & MARK.
J	JUNCTION BOX, ACCESSIBLE AND MOUNTED FOR THE APPLICATION DENOTED ON PLANS.
P	CONCRETE PULLBOX WITH BOLT–ON CONCRETE COVER. SIZE AS REQUIRED BE C.E.C.
	ELECTRIC METERED SERVICE OR DISTRIBUTION PANEL – REFER TO SINGLE LINE
	SURFACE MOUNTED ELECTRICAL PANELBOARD OR LOAD CENTER. REFER TO PANEL SCHEDULE.
1P / 120 / 2	LIGHT FIXTURE CALL OUT, "1P" INDICATES FIXTURE TYPE (REFER TO FIXTURE SCHEDULE), "120" INDICATES TOTAL FIXTURE WATTAGE. NUMBER ADJACENT INDICATES QUANTITIES. (NUMBER IS SHOWN FOR BRANCH CIRCUIT PURPOSE ONLY, NOT FOR MATERIAL TAKE–OFF).
3 / E–1	DETAIL CALLOUT, "3" INDICATES DETAIL NUMBER "E–1" INDICATES SHEET NUMBER.
2	PLAN NOTE REFERENCE.
4	REVISION REFERENCE.
CO	CONDUIT ONLY, WITH PULL ROPE.
WP	WEATHERPROOF, NEMA 3R
PROVIDE	FURNISH, INSTALLED AND CONNECTED, COMPLETE.
C	CONDUIT
E/G	EQUIPMENT GROUND (GREEN)
UG	UNDERGROUND
GEC	GROUNDING ELECTRODE CONDUCTOR
C.E.C.	CALIFORNIA ELECTRICAL CODE
U.O.N.	UNLESS OTHERWISE NOTED
G.F.I.	GROUND FAULT INTERRUPTER
A.F.G.	ABOVE FINISHED GRADE

LIGHTING FIXTURE SCHEDULE

REFER TO DIVISION 1, GENERAL REQUIREMENTS, REGARDING PRODUCT OPTIONS AND SUBSTITUTION. WHERE THREE OR MORE MANUFACTURERS ARE LISTED IN THE FOLLOWING LIGHTING FIXTURE SCHEDULE, SUBSTITUTION WILL NOT BE CONSIDERED. WHERE PRODUCTS ARE LISTED BY NAMING ONE OR MORE MANUFACTURERS, WITHOUT "OR EQUAL" PROVISION FOR SUBSTITUTION, CONTRACTOR SHALL INCLUDE ONLY SPECIFIED PRODUCTS IN BID. REQUEST FOR SUBSTITUTION WITHIN 35 DAYS FROM THE DATE OF THE NOTICE TO PROCEED WILL ONLY BE CONSIDERED IN ACCORDANCE WITH DIVISION 1 OF THESE CONTRACT DOCUMENTS.

	DESCRIPTION	ILLUMINATION WATTS	ILLUMINATION TYPE	VOLTS	MANUFACTURER	CATALOG #	MOUNTING	
1C / 648	SINGLE HEAD L.E.D. COURT FIXTURE W/ TYPE FOUR DISTRIBUTION.	648	L.E.D. 5000K	277	LSI LIGHTING OR EQUAL	ZNL–78L–CT–50–XX 4RP–B5–S11G–25–S–XX–GA [1]	25'–0" A.F.G.	2 / –
2C / 1296	DOUBLE HEAD L.E.D. COURT FIXTURE W/ TYPE FOUR DISTRIBUTION.	1296	L.E.D. 5000K	277	LSI LIGHTING OR EQUAL	(2) ZNL–78L–CT–50–XX 4RP–B5–S11G–25–D180–XX–GA [1]	25'–0" A.F.G.	2 / –
3C / 648/50	SINGLE HEAD L.E.D. COURT FIXTURE W/ TYPE FOUR DISTRIBUTION AND WALKWAY L.E.D. LIGHT FIXTURE W/ TYPE FOUR DISTRIBUTION, MOTION SENSOR AND DECORATIVE ARM MOUNTED ON BACK @ 14'–0" A.F.G.	648/50	L.E.D. 5000K/ 4000K	277	LSI LIGHTING OR EQUAL PACIFIC LIGHTING & STANDARDS CO	ZNL–78L–CT–50–XX 4RP–B5–S11G–25–S–XX–GA– MB @ 15'–0" ON BACK OF POLE VAB–50–EXLED–MT–3K–IV–1A–MS [1]	25'–0" A.F.G. 14'–0" A.F.G.	2 / –
4CHB / 648/50	SINGLE HEAD L.E.D. COURT FIXTURE W/ TYPE FOUR DISTRIBUTION, 3/4" THREADED HUB ON FRONT OF POLE @ 20'–0", 3/4" THREADED HUB ON BACK OF POLE @ 19'–0" AND WALKWAY L.E.D. LIGHT FIXTURE W/ TYPE FOUR DISTRIBUTION, MOTION SENSOR AND DECORATIVE ARM MOUNTED ON BACK @ 14'–0" A.F.G.	648/50	L.E.D. 5000K/ 4000K	277	LSI LIGHTING OR EQUAL PACIFIC LIGHTING & STANDARDS CO	ZNL–78L–CT–50–XX 4RP–B5–S11G–25–S–XX–GA– MB @ 15'–0" ON BACK OF POLE VAB–50–EXLED–MT–3K–IV–1A–MS [1]	25'–0" A.F.G. 14'–0" A.F.G.	2 / –

	DESCRIPTION	ILLUMINATION WATTS	ILLUMINATION TYPE	VOLTS	MANUFACTURER	CATALOG #	MOUNTING	
1P / 160	SINGLE HEAD L.E.D. BELL TYPE PARKING LOT FIXTURE WITH TYPE FIVE DISTRIBUTION AND MOTION SENSOR	160	LED 4000K	277	PACIFIC LIGHTING AND STANDARDS CO	VAA–160–EXLED–MT–4–1A–CF–40K–MS POLE: RSS–7–420– XX–BCV [1]	20'–0" POLE ON 2'–6" CONCRETE BASE	1 / –
1PH / 160	SINGLE HEAD L.E.D. BELL TYPE PARKING LOT FIXTURE WITH TYPE FIVE DISTRIBUTION, MOTION SENSOR AND 3/4" THREADED HUB ON FRONT OF POLE @ 17'–0",	160	LED 4000K	277	PACIFIC LIGHTING AND STANDARDS CO	VAA–160–EXLED–MT–4–1A–CF–40K–MS POLE: RSS–7–420– XX–BCV–3/4" NIPPLE (17'–0") [1]	20'–0" POLE ON 2'–6" CONCRETE BASE	1 / –
1S / 25	AREA ADJUSTABLE L.E.D. CANOPY SECURITY LIGHT FIXTURE	25	LED 4000K	277	LUMASCAPE LIGHTING	LS1010–22W–840–WD–09–XXX [1] [2] [3]	SHADE STRUCTURE +12" FROM TOP OF SUPPORT POST	
2S / 20	AREA SURFACE MOUNT L.E.D. CANOPY SECURITY LIGHT FIXTURE	20	LED 4000K	277	KENALL LIGHTING	M013CL–PP–XX–20L40K–DV–SA [1] [2]	SURFACE TO SHADE CANOPY	3 / –

NOTES:

[1] COLOR BY ARCHITECT

[2] PROVIDE ALL REQUIRED MOUNTING ACCESSORIES

[3] AIM FOR BEST COVERAGE AFTER INSTALLATION

SEAL

REGISTERED PROFESSIONAL ENGINEER JOSEPH J. RIGGIO No. E-17787 EXP. 9/30/25 ELECTRICAL STATE OF CALIFORNIA

IT'S THE LAW ! DIAL BEFORE YOU DIG !

DIGALERT

CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING

811

UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 811

BENCH MARK NO.

REVISIONS

MARK	DATE	INITIAL	DESCRIPTION	DATE	APP'VD

PLANS PREPARED BY

JCA Engineering Inc.
Electrical Engineering & Consulting
8048 Palm Ave
Highland, Ca. 92346
909 864-0223
Fax 909 864-0280
james.corns@jcaeng.com
2020 - 2022
P.M. - James Corns

CITY OF YUCCA VALLEY, CALIFORNIA "INCORPORATED 1991"

APPROVED BY:

PUBLIC WORKS DIRECTOR, ALEX QISHTA
R.C.E. 77602 EXP. 9/30/2024

9/18/24 DATE

RECOMMENDED BY:

TOWN OF YUCCA VALLEY

Community Center Athletic Facility

ELECTRICAL IMPROVEMENT PLANS

SYMBOL LIST, LIGHTING FIXTURE SCHEDULE AND DETAILS

SHEET 5 OF 6 SHEETS

E-2.1

DRAWING NO.

CONCRETE

1. CONCRETE COMPRESSIVE STRENGTH: ALL CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH AS SHOWN IN THE TABLE 2 BELOW AT 28 DAYS, U.N.O. ON PLANS. SEE ALSO SULFATE CONTENT NOTES.
2. AGGREGATES IN CONCRETE: SHALL BE NATURAL SAND AND ROCK (150 LB/CU. FT) CONFORMING TO ASTM C33. AGGREGATE SHALL HAVE PROVEN SHRINKAGE CHARACTERISTICS OF LESS THAN 0.04% PER ASTM C-157. DO NOT CHANGE SOURCE OF AGGREGATE DURING COURSE OF WORK WITHOUT WRITTEN CONSENT OF ENGINEER.
3. CEMENT: SHALL BE PORTLAND CEMENT CONFORMING TO ASTM C150. CEMENT SHALL BE TYPE II OR AS REQUIRED TO SATISFY SITE SOIL CONDITIONS. REFER TO TABLE 4 FOR CONCRETE CEMENT REQUIREMENTS ON SOIL CONTAINING SULFATE. REFER TO TABLE 2 FOR MAXIMUM WATER TO CEMENT RATIO. USE A MINIMUM OF (6) STACKS OF CEMENT PER CUBIC YARD OF CONCRETE.

CONCRETE STRENGTH			
CONDITION	STRENGTH, f'c	WATER / CEMENT RATIO	MAX. SLUMP
FOOTING & GRADE BM	2,500 PSI	PER MIX DESIGNER	PER MIX DESIGNER

REBAR CLEAR COVER FOR CAST-IN-PLACE CONCRETE	
CONDITION	COVER
SLAB ON GRADE	CENTER OF SLAB OR 2" MIN
CONCRETE AGAINST & PERMANENTLY EXPOSED TO EARTH:	3"
CONCRETE EXPOSED TO EARTH OR WEATHER:	
WALL PANELS, SLABS, JOINTS:	1"
OTHER MEMBERS:	1 ½"
CONCRETE NOT EXPOSED TO EARTH OR WEATHER:	
SLABS, WALLS, JOINTS:	¾"
BEAM, COLUMNS PRIMARY REINFORCEMENT:	1 ½"
BEAM, COLUMNS TIES, STIRRUPS, SPIRALS	1"

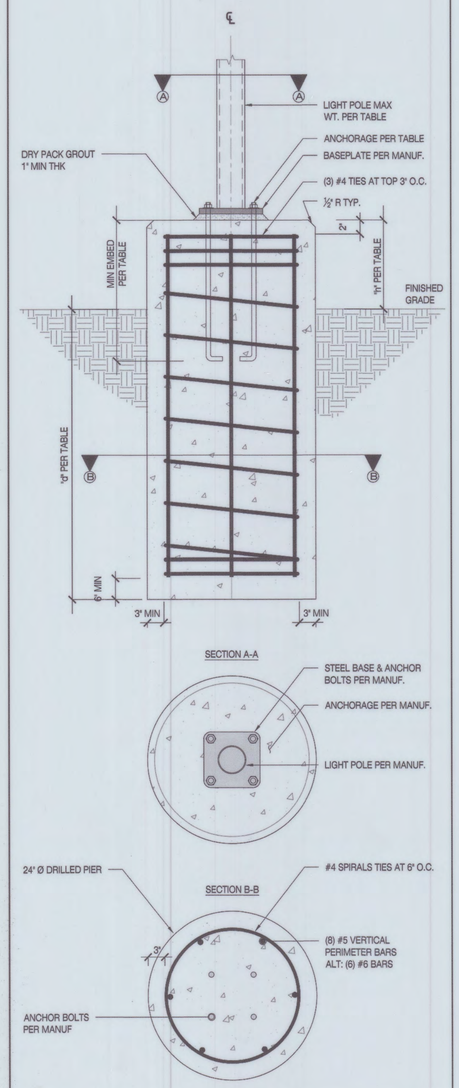
REINFORCING STEEL

1. REINFORCING STEEL:
   A. ALL BARS, U.N.O.: ASTM A615, GRADE 60
   B. BARS TO BE WELDED: ASTM A706, GRADE 60
2. MINIMUM CLEARANCES BETWEEN PARALLEL REINFORCING STEEL INCLUDING DISTANCE BETWEEN SETS OF SPLICED BARS: 1" OR 1 db, WHICHEVER IS GREATER. 1 ½" OR 1½ db WHICHEVER IS GREATER, AT COLUMNS, PIERS, AND PILASTERS ONLY. FOR BUNDLED BARS, MINIMUM CLEAR DISTANCES BETWEEN UNITS OF BUNDLED BARS SHALL BE SAME AS SINGLE BARS EXCEPT BAR DIAMETER IS DERIVED FROM EQUIVALENT TOTAL AREA OF BUNDLE.
7. DOWELS AT CONSTRUCTION JOINTS: PROVIDE DOWELS MATCHING SIZE AND QUANTITY OF REINFORCING STEEL INTERRUPTED AT CONSTRUCTION JOINTS, UNLESS DETAILED OTHERWISE.
8. BARS TERMINATING AT WALLS, COLUMNS, BEAMS, AND FOUNDATIONS: EXTEND BARS TO WITHIN 2" (3" AT CONCRETE POURED AGAINST EARTH) OF FAR FACE OF WALL, COLUMN, BEAM OR FOUNDATION AND PROVIDE STANDARD ACI 90-DEGREE HOOK UNLESS DETAILED OTHERWISE.
12. BENDING: BEND COLD UNLESS OTHERWISE ACCEPTED BY ARCHITECT (STRUCTURAL ENGINEER). DO NOT FIELD-BEND REINFORCING STEEL BARS EMBEDDED IN CONCRETE UNLESS OTHERWISE ACCEPTED IN WRITING BY ARCHITECT (STRUCTURAL ENGINEER).
13. LAP SPLICES: PROVIDE CLASS B SPLICES UNLESS INDICATED OTHERWISE.

PROJECT DESIGN CRITERIA	
BUILDING CODE:	2022 CALIFORNIA BUILDING CODE
LOCATION (LATITUDE / LONGITUDE):	33.99° N / -116.07° W
OCCUPANCY CATEGORY:	II
GEOTECHNICAL PARAMETERS:	
SOILS ENGINEER:	ASSUMED MIN VALUES PER CODE
REPORT NUMBER:	
DATE:	
ALLOWABLE SOIL BEARING PRESSURE:	1,500 PSF
ALLOWABLE PASSIVE PRESSURE:	200 PSF
EXPANSION INDEX:	--
PLASTICITY INDEX:	--
LIQUEFACTION POTENTIAL:	--
LATERAL SPREADING POTENTIAL:	--
DIFFERENTIAL SETTLEMENT POTENTIAL:	--
CORROSIVITY:	--
SULFATE CONTENT:	--
SEISMIC DESIGN PARAMETERS:	
SITE CLASS:	D-DEFAULT
SHORT PERIOD SPECTRAL ACCELERATION, Ss:	2.283g
1s PERIOD SPECTRAL ACCELERATION, S1:	0.814g
SEISMIC DESIGN CATEGORY:	D
SEISMIC IMPORTANCE FACTOR, Ie:	1.0
WIND DESIGN PARAMETERS:	
BASIC DESIGN SPEED (3s GUST), V:	97 mph
ALLOWABLE STRESS DESIGN WIND SPEED, V_{asd}:	74 mph
EXPOSURE CATEGORY:	C
WIND IMPORTANCE FACTOR, Iw:	1.0

	MAX POLE HEIGHT	MAX POLE WT (LBS)	MAX LIGHT WT (LBS)	"d"	"h"	ANCHOR BOLTS	MIN. A.B. EMBED.
2/E-2.1	25'-0"	250	60	4'-0" MIN	0'-3" MAX	1"Ø J BOLT F1554 Gr 36	20"
1/E-2.1	20'-0"	200	30	5'-0" MIN	2'-6" MAX	1 ¼"Ø J BOLT F1554 Gr 36	20"

**GALVANIZED BOLTS MUST BE USED WHEN EXPOSED TO WEATHER.



TYP. CONCRETE FOOTING DETAILS — 1

SCALE: N.T.S.

ISE
STRUCTURAL ENGINEERS
27369 VIA INDUSTRIA
TEMECULA, CA 92590
TELE 951.600.0032
WWW.ISEENGINEERS.COM
SOCAL | NORCAL | COLORADO

TEAM CONTACT INFORMATION:

ISE PROJECT NO : 24-7570.30
PROJECT MANAGER:
MATTHEW ESPINOZA
MATTHEW@ISEENGINEERS.COM

PROJECT DESIGN ENGINEER:
LUIS BOZ
LUISB@ISEENGINEERS.COM

PROJECT INFORMATION:

YUCCA VALLEY COMMUNITY CENTER

CONTACT INFORMATION:

CLIENT:
JCA ENGINEERING, INC
8048 PALM AVE.
HIGHLAND, CA 92346

PLAN REVISIONS

DELTA	DESCRIPTION	DATE

ENGINEER STAMP & SIGNATURE

REGISTERED PROFESSIONAL ENGINEER — MATTHEW J ESPINOZA — No. 56827 — Exp. 6/30/26 — CIVIL — STATE OF CALIFORNIA

DATE: 9/9/2024

SHEET TITLE:

STRUCTURAL DETAIL & GENERAL NOTES

SHEET NUMBER:

S1

SEAL

REGISTERED PROFESSIONAL ENGINEER — JAMES J RIGGENBACH — No. E 117795 — Exp. 9/30/26 — ELECTRICAL — STATE OF CALIFORNIA

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R.C.E. 77602 EXP. 9/30/2024 — DATE 9/18/24

RECOMMENDED BY:

TOWN OF YUCCA VALLEY

Community Center Athletic Facility

ELECTRICAL IMPROVEMENT PLANS

STRUCTURAL POLE BASE DRAWING

SHEET 6 OF 6 SHEETS

E-3.0

DRAWING NO.