

PLEASANT VALLEY PARKS & RECREATION DISTRICT

ARNEILL RANCH PARK – PHASE 1

CONSTRUCTION DRAWINGS



WITHERS & SANDGREN
LANDSCAPE
ARCHITECTURE
+ PLANNING

20948 TULSA STREET
CHATSWORTH, CA 91311
818-291-0200
mail@withersandsandgren.com

GENERAL NOTES

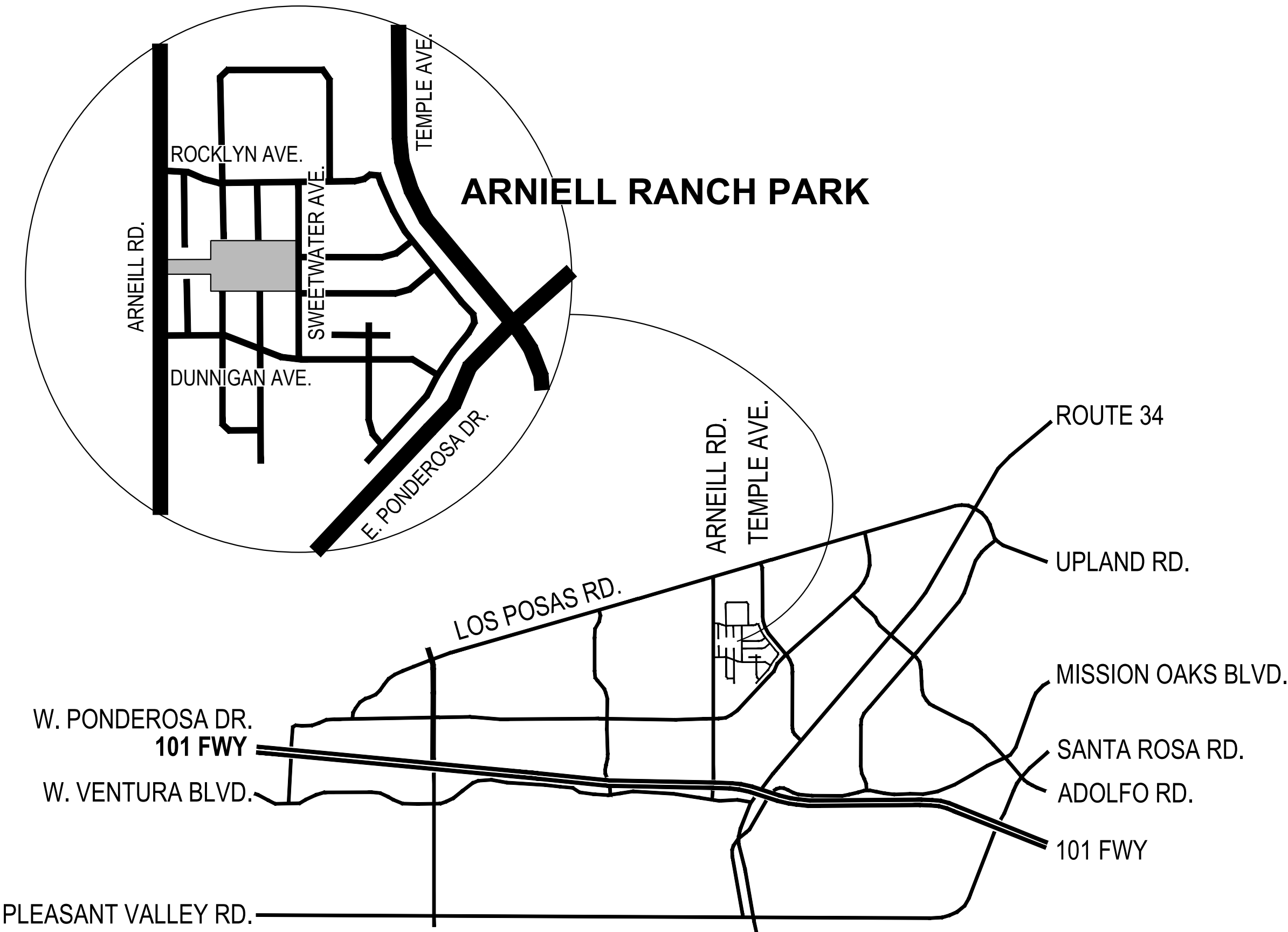
- THIS WORK SHALL BE PERFORMED BY A CALIFORNIA LICENSED CONTRACTOR HOLDING A CURRENT A OR C-10 LICENSE AND MAINTAINING A VALID CITY OF CAMARILLO BUSINESS LICENSE. THE CONTRACTOR SHALL CARRY WORKERS COMPENSATION, PUBLIC LIABILITY AND PROPERTY DAMAGE INSURANCE AS REQUIRED BY THE PLEASANT VALLEY PARK & RECREATION DISTRICT.
- CONTRACTOR SHALL ARRANGE AND PAY FOR ALL REQUIRED PERMITS PRIOR TO THE START OF CONSTRUCTION, AND ARRANGE AND PAY FOR ALL REQUIRED DEPUTY OR SPECIAL INSPECTIONS.
- ALL WORK SHALL CONFORM TO STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION (SSPWC), LATEST EDITION, (PUBLISHED BY BUILDING NEWS, 3055 OVERLAND AVENUE, LOS ANGELES, CA) FOR ALL WORK PERFORMED AND NOT SPECIFICALLY MENTIONED HEREIN. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS, AND ANY SPECIAL REQUIREMENTS OF THE PERMIT. ANY VIOLATION WILL RESULT IN THE STOPPAGE OF ALL WORK UNTIL THE VIOLATION IS CORRECTED.
- ALL WORK SHALL BE PERFORMED ACCORDING TO CBC, CMC, CPC, CEC, ASTM D1557, ASTM D1558, ALL APPLICABLE CITY OF CAMARILLO STANDARDS, COUNTY ORDINANCE, CALIFORNIA ENERGY STANDARDS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE DISTRICT OF ALL SITE VISITS.
- THESE NOTES SHALL BE USED IN CONJUNCTION WITH THE PLANS AND SPECIFICATIONS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT MANAGER.
- CONTRACTOR SHALL MAKE HIMSELF/HERSELF FAMILIAR WITH ALL UNDERGROUND UTILITIES, PIPES, AND STRUCTURES. CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR ANY COST INCURRED DUE TO DAMAGE OF SAID UTILITIES. PRIOR TO THE COMMENCEMENT OF WORK THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (800) 422-4133 FOR LOCATION OF UNDERGROUND UTILITIES.
- THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE SHOWN IN THESE PLANS WAS OBTAINED BY A SEARCH OF AVAILABLE RECORDS. NO CERTIFICATION IS MADE AS TO ACCURACY OR THOROUGHNESS OF THESE RECORDS. APPROVAL OF THESE PLANS BY THE DISTRICT DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OF COMPLETENESS, LOCATION, THE EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE WITHIN THE LIMITS OF THE PROJECT.
- DO NOT WILLFULLY PROCEED WITH CONSTRUCTION AS DESIGNED WHEN IT IS OBVIOUS THAT UNKNOWN OBSTRUCTIONS, AREA DISCREPANCIES AND/OR GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN. SUCH CONDITIONS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE PROJECT MANAGER AND THE LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
- UPON COMPLETION OF INSTALLATION AND ACCEPTANCE BY THE DISTRICT, AN ESTABLISHMENT PERIOD SHALL COMMENCE, AND UPON WRITTEN VERIFICATION FROM THE INSPECTOR THAT ESTABLISHMENT IS ACCOMPLISHED, A 90 DAY MAINTENANCE PERIOD SHALL COMMENCE. SAID MAINTENANCE SHALL CONCLUDE ONLY AFTER VERIFICATION OF TURF GROWTH, LEAF-OUT, FALL COLOR, FLOWER COLOR, OVERALL PLANT HEALTH, AND WITH CITY ACCEPTANCE OF THE IMPROVEMENTS. MAINTENANCE SHALL INCLUDE WEEDING, IRRIGATION, PRUNING, RAISING TREE ROOT BALLS WHICH

- SETTLE BELOW GRADE, FERTILIZING AND APPLYING SUCH SPRAYS AS ARE NECESSARY FOR PROPER CARE AND UPKEEP. MAINTENANCE ALSO INCLUDES ALL REPAIRS, REPLACEMENT, CLEANING AND ADJUSTING NECESSARY TO KEEP THE IRRIGATION SYSTEM IN GOOD WORKING ORDER WITH PROPER COVERAGE, REQUIRED PRIOR TO FINAL ACCEPTANCE OF THE WORK BY THE DISTRICT.
- CONTRACTOR SHALL KEEP THE PREMISES CLEAN AND FREE OF EXCESS EQUIPMENT, MATERIALS AND RUBBISH INCIDENTAL TO THE WORK. ALL CONSTRUCTION DEBRIS SHALL BE CLEARED FROM THE SITE AT THE END OF EACH DAY.
- ALL DEMOLISHED ITEMS SHALL BE DISPOSED OF PROPERLY AND IN ACCORDANCE WITH THE PROCEDURES STATED IN THE WASTE MANAGEMENT PLANNING FOR CONSTRUCTION AND DEMOLITION (C&D) PROJECTS, OF THE BID DOCUMENTS.
- APPLICATION OF ANY CHEMICALS SHALL BE BY STATE LICENSED PERSONNEL. ALL PESTICIDE APPLICATIONS REQUIRE A P.C.A. RECOMMENDATION.
- PRODUCTS THAT ARE DESIGNATED BY MANUFACTURER MAY BE SUBSTITUTED BY EQUAL PRODUCTS SUBJECT TO PRIOR APPROVAL OF THE DISTRICT PROJECT MANAGER. SUBSTITUTE AND REQUEST FOR INFORMATION (RFI) SHALL BE SUBMITTED TO THE DISTRICT FIVE (5) BUSINESS DAYS PRIOR TO BID OPENING. SUBMITTALS RECEIVED AFTER THIS DATE WILL BE DISREGARDED.
- CONSTRUCTION CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE SAFETY OF ALL PERSONS AND PROPERTY IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT TO BE LIMITED TO NORMAL WORKING HOURS. CONSTRUCTION CONTRACTOR AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONALS HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF THE WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.
- TEMPORARY EROSION CONTROL: THE DISTRICT PROJECT MANAGER SHALL APPROVE THIS PLAN BEFORE THE START OF CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE PRELIMINARY AND FINAL LIEN RELEASES FROM ALL SUB-CONTRACTORS PRIOR TO FINAL PAYMENT.
- THE LANDSCAPE ARCHITECT SIGNING THESE PLANS IS RESPONSIBLE FOR MEETING ALL APPLICABLE CONDITIONS OF APPROVAL PERTAINING TO LANDSCAPE ARCHITECTURE FOR THIS PROJECT, AND FOR ASSURING THE ACCURACY AND ADEQUACY OF THE WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING INSTALLATION OF LANDSCAPE IMPROVEMENTS, THE LANDSCAPE ARCHITECT SIGNING THESE PLANS SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION, AND REVISIONS THE PLANS FOR REVIEW AND APPROVAL BY THE DISTRICT PRIOR TO INSTALLATION OF LANDSCAPE IMPROVEMENTS.
- THE LANDSCAPE ARCHITECT SIGNING THESE PLANS HAS AGREED TO COMPLY WITH THE CRITERIA AND SPECIFICATIONS OF ORDINANCE #1475 - WATER EFFICIENT LANDSCAPE, AND HAS APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE DESIGN PLAN.

SCOPE OF WORK

THIS RENOVATION OF EXISTING ARNEILL RANCH PARK INCLUDES CONSTRUCTION OF AN ENTIRELY NEW IRRIGATION SYSTEM BEHIND THE EXISTING BACKFLOW PREVENTER, RENOVATION OF THE EXISTING TURF FIELD INSIDE THE EXISTING DECOMPOSED GRANITE TRACK, REMOVAL OF EXISTING TURF OUTSIDE OF THE TRACK, LANDSCAPE GRADING AND INSTALLATION OF NEW PLANTING AROUND THE OUTSIDE OF THE TRACK, NEW DECOMPOSED GRANITE TRAILS, NEW FITNESS STATIONS AND RELOCATION OF THE EXISTING FITNESS ZONE, NEW SITE FURNISHINGS, AND ADA CONCRETE PATHS OF TRAVEL AND ADA PARKING LOT UPGRADES.

LOCATION MAP:



CONTACTS:

OWNER:
PLEASANT VALLEY PARK & RECREATION DISTRICT
1605 BURNLEY ST.
CAMARILLO, CA 93010
ANTHONY MILLER
PROJECT MANAGER
(805) 483-1996
Amiller@pvprpd.org

LANDSCAPE ARCHITECT:
WITHERS & SANDGREN, LTD.
20948 TULSA STREET,
CHATSWORTH, CA 91311
LACEY WITHERS, PRINCIPAL
(818) 291-0200
lacey@withersandsandgren.com

IRRIGATION CONSULTANT:
JORDAN, GILBERT & BAIN LANDSCAPE ARCHITECTS, INC.
459 NORTH VENTURA AVENUE
VENTURA, CA 93001
JOHN J. BAIN
(805) 642-3641 OFFICE

WATER PURVEYOR:
CITY OF CAMARILLO PUBLIC WORKS DEPT.
WATER SERVICE DIVISION
601 CARMEN DRIVE
CAMARILLO, CA 93010
(805) 388-5373

SHEET INDEX:

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L1.01	CONSTRUCTION PLAN
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L1.50	CONSTRUCTION DETAILS
L1.51	CONSTRUCTION DETAILS
L1.52	CONSTRUCTION DETAILS
L2.00	IRRIGATION PLAN
L2.01	IRRIGATION PLAN
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L2.03	IRRIGATION PLAN - DRIP SYSTEM
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SE1.00	ELECTRICAL PLAN
SE1.01	ELECTRICAL PLAN
SE1.03	ELECTRICAL DETAILS
SE1.04	ELECTRICAL DETAILS

TITLE SHEET

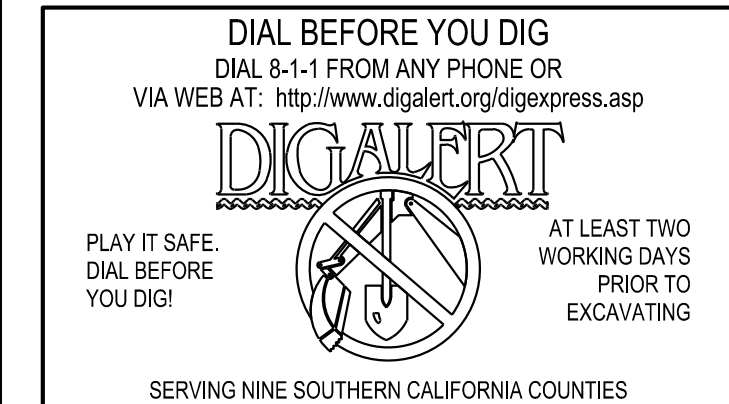
SHEET TITLE

OWNER
PLEASANT VALLEY
PARK & RECREATION DISTRICT
1605 E BURNLEY STREET
CAMARILLO, CA 93010

PROJECT TITLE
ARNEILL RANCH PARK
1301 SWEETWATER AVENUE
CAMARILLO, CA 93010

REVISIONS	DATE	DESCRIPTION
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DRAWN BY: PBN
CHECKED BY: LW
PROJECT NO. 0964
DATE: 30 APR 2021



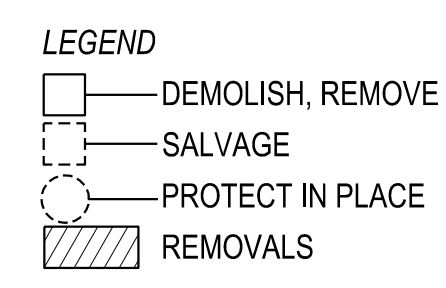
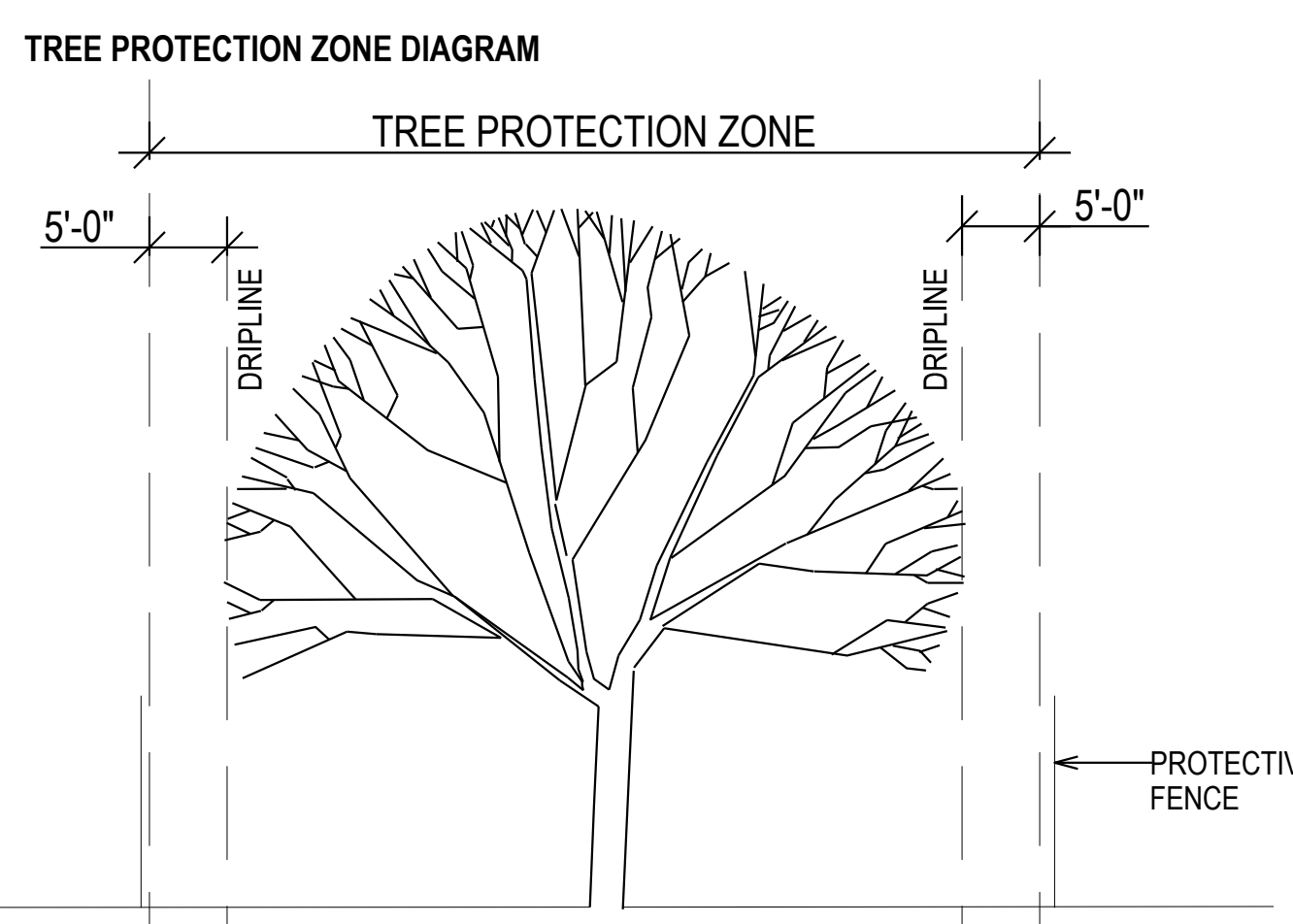
SITE CLEARING & DEMOLITION NOTES

- LIMIT OF WORK IS DEFINED AS THE AREA WITHIN THE PROPERTY LINE OF THE PARK AND THE PARKING AREA ON SWEETWATER AVE.
- MINIMAL IRRIGATION WORK, ELECTRICAL UNDERGROUND WORK AND TURF REPAIR ARE SCHEDULED WITHIN THE PASEO CONNECTION TO ARNEILL ROAD. SEE IRRIGATION ELECTRICAL PLANS FOR EXTENT OF WORK.
- BEFORE THE START OF PROJECT CONTRACTOR AND DISTRICT PROJECT MANAGER TO DETERMINE A SECURE LOCATION FOR ALL SALVAGED MATERIALS.
- THE CONTRACTOR SHALL VISUALLY VERIFY THE LOCATION OF EXISTING SURFACE STRUCTURES AND UTILITIES AND CONFIRM WITH DISTRICT WHETHER THEY SHALL REMAIN OR BE DEMOLISHED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ANY UNIDENTIFIED UTILITIES AND IMPROVEMENTS WITHIN THE LIMIT OF WORK.
- ANY DAMAGE THAT OCCURS AS A RESULT OF DEMOLITION OR CONSTRUCTION ACTIVITIES SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DISTRICT.
- REMOVAL OF ANY TREES, SHRUBS AND VEGETATION SHALL INCLUDE STUMPS, ROOTS AND ALL ORGANIC MATERIAL.
- ALL TURF TO BE REMOVED INCLUDING THATCH BUILD UP. HAUL FROM SITE AND RECYCLE PER CITY OF CAMARILLO GUIDELINES.
- ALL APPROPRIATE BMPs, INCLUDING DUST CONTROL MEASURES SHALL BE USED DURING DEMOLITION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS ASSOCIATED WITH DEMOLITION AND DISPOSAL OF ALL SITE MATERIALS AS REQUIRED BY PRIVATE, LOCAL AND STATE JURISDICTIONS, INCLUDING SUBMITTING A CITY OF CAMARILLO CONSTRUCTION & DEMOLITION WASTE MANAGEMENT PLAN.
- IMPLEMENT ALL PROPER BMPs FOR STORM WATER POLLUTION PROTECTION INCLUDING BUT NOT LIMITED TO PROTECTION OF CATCH BASINS, EARTH AND CONSTRUCTION MATERIALS PILES, AND ALL WASTE MATERIALS. REFER TO THE LATEST EDITION OF THE CASQA CONSTRUCTION BMP ON-LINE HANDBOOK.

TREE PROTECTION NOTES

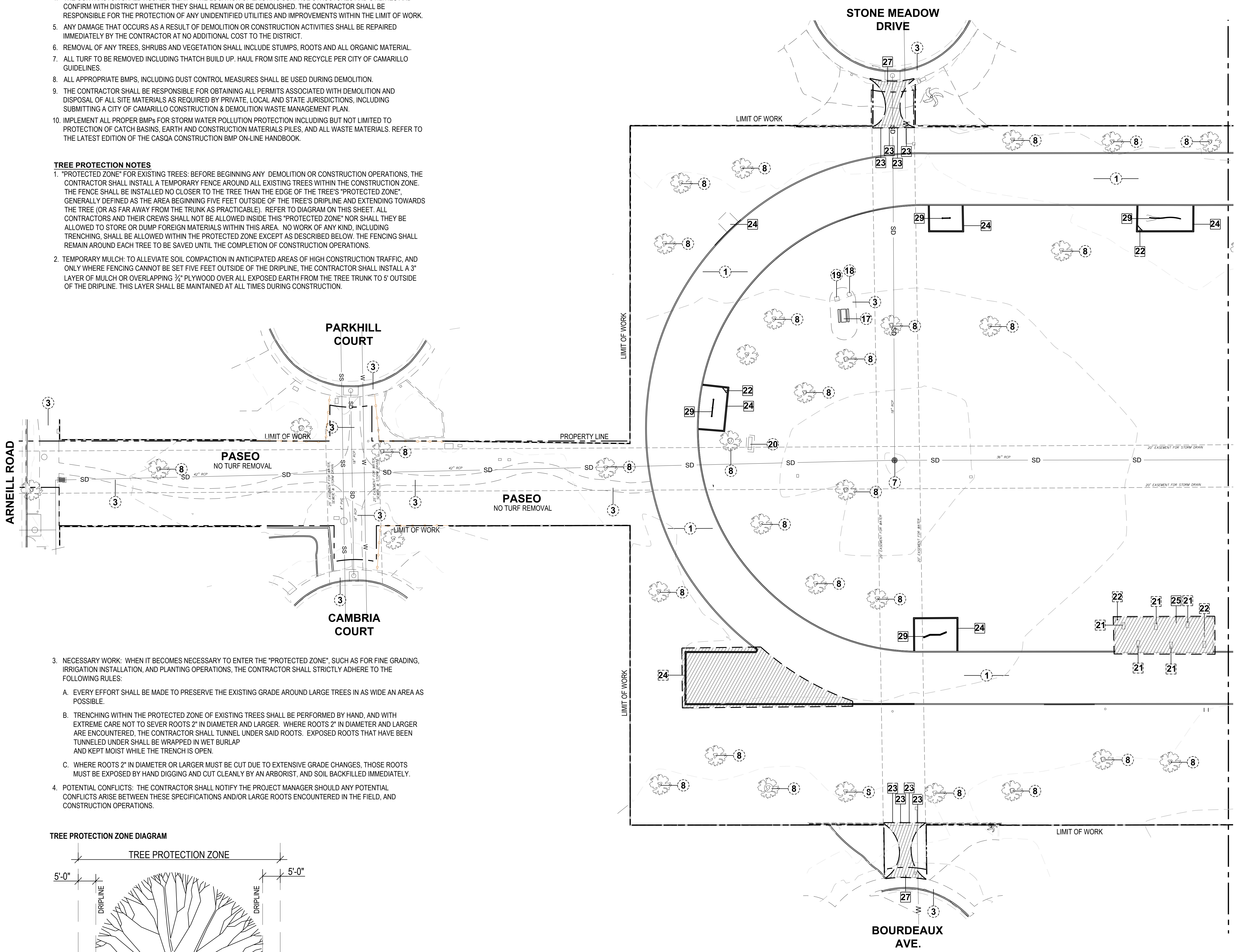
- "PROTECTED ZONE" FOR EXISTING TREES: BEFORE BEGINNING ANY DEMOLITION OR CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL INSTALL A TEMPORARY FENCE AROUND ALL EXISTING TREES WITHIN THE CONSTRUCTION ZONE. THE FENCE SHALL BE INSTALLED NO CLOSER TO THE TREE THAN THE EDGE OF THE TREE'S "PROTECTED ZONE", GENERALLY DEFINED AS THE AREA BEGINNING FIVE FEET OUTSIDE OF THE TREE'S DRIPLINE AND EXTENDING TOWARDS THE TREE (OR AS FAR AWAY FROM THE TRUNK AS PRACTICABLE). REFER TO DIAGRAM ON THIS SHEET. ALL CONTRACTORS AND THEIR CREWS SHALL NOT BE ALLOWED INSIDE THIS "PROTECTED ZONE" NOR SHALL THEY BE ALLOWED TO STORE OR DUMP FOREIGN MATERIALS WITHIN THIS AREA. NO WORK OF ANY KIND, INCLUDING TRENCHING, SHALL BE ALLOWED WITHIN THE PROTECTED ZONE EXCEPT AS DESCRIBED BELOW. THE FENCING SHALL REMAIN AROUND EACH TREE TO BE SAVED UNTIL THE COMPLETION OF CONSTRUCTION OPERATIONS.
- TEMPORARY MULCH: TO ALLEVIATE SOIL COMPACTION IN ANTICIPATED AREAS OF HIGH CONSTRUCTION TRAFFIC, AND ONLY WHERE FENCING CANNOT BE SET FIVE FEET OUTSIDE OF THE DRIPLINE, THE CONTRACTOR SHALL INSTALL A 3" LAYER OF MULCH OR OVERLAPPING 3/4" PLYWOOD OVER ALL EXPOSED EARTH FROM THE TREE TRUNK TO 5' OUTSIDE OF THE DRIPLINE. THIS LAYER SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.

- NECESSARY WORK: WHEN IT BECOMES NECESSARY TO ENTER THE "PROTECTED ZONE", SUCH AS FOR FINE GRADING, IRRIGATION INSTALLATION, AND PLANTING OPERATIONS, THE CONTRACTOR SHALL STRICTLY ADHERE TO THE FOLLOWING RULES:
 - EVERY EFFORT SHALL BE MADE TO PRESERVE THE EXISTING GRADE AROUND LARGE TREES IN AS WIDE AN AREA AS POSSIBLE.
 - TRENCHING WITHIN THE PROTECTED ZONE OF EXISTING TREES SHALL BE PERFORMED BY HAND, AND WITH EXTREME CARE NOT TO SEVER ROOTS 2" IN DIAMETER AND LARGER. WHERE ROOTS 2" IN DIAMETER AND LARGER ARE ENCOUNTERED, THE CONTRACTOR SHALL TUNNEL UNDER SAID ROOTS. EXPOSED ROOTS THAT HAVE BEEN TUNNELED UNDER SHALL BE WRAPPED IN WET BURLAP AND KEPT MOIST WHILE THE TRENCH IS OPEN.
 - WHERE ROOTS 2" IN DIAMETER OR LARGER MUST BE CUT DUE TO EXTENSIVE GRADE CHANGES, THOSE ROOTS MUST BE EXPOSED BY HAND DIGGING AND CUT CLEANLY BY AN ARBORIST, AND SOIL BACKFILLED IMMEDIATELY.
- POTENTIAL CONFLICTS: THE CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER SHOULD ANY POTENTIAL CONFLICTS ARISE BETWEEN THESE SPECIFICATIONS AND/OR LARGE ROOTS ENCOUNTERED IN THE FIELD, AND CONSTRUCTION OPERATIONS.

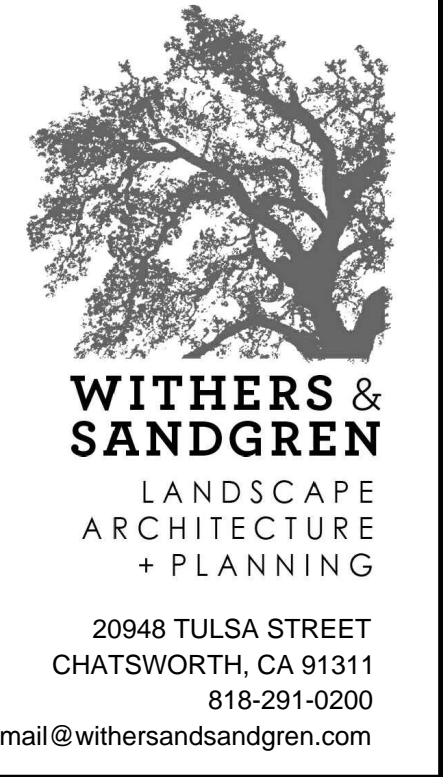


- DEMOLITION LEGEND:**
- EXISTING DECOMPOSED GRANITE RUNNING TRACK WITH CONCRETE CURBS, PROTECT IN PLACE.
 - EXISTING RESTROOM, PROTECT IN PLACE.
 - EXISTING CONCRETE PAVING, PROTECT IN PLACE.
 - EXISTING CONCRETE CURB, PROTECT IN PLACE.
 - EXISTING LIGHT FIXTURE, PROTECT IN PLACE.
 - EXISTING CONCRETE V-DITCH, PROTECT IN PLACE.
 - EXISTING UTILITY, PROTECT IN PLACE.
 - EXISTING TREE, PROTECT IN PLACE.
 - EXISTING GATE, PROTECT IN PLACE.
 - EXISTING SWING SET, PROTECT IN PLACE.
 - EXISTING CONCRETE MOW CURB, PROTECT IN PLACE.
 - EXISTING ASPHALT PAVING, PROTECT IN PLACE.
 - EXISTING CMU WALL, PROTECT IN PLACE.
 - EXISTING SIGN, PROTECT IN PLACE.
 - EXISTING PLAY EQUIPMENT, PROTECT IN PLACE.
 - EXISTING EXERCISE EQUIPMENT, PROTECT IN PLACE.
 - EXISTING PICNIC TABLE, PROTECT IN PLACE.
 - EXISTING TRASH RECEPTACLE, PROTECT IN PLACE.
 - EXISTING BBQ, PROTECT IN PLACE.
 - EXISTING BENCH, PROTECT IN PLACE.
 - SALVAGE EX. EXERCISE EQUIPMENT FOR REINSTALLATION.
 - DEMOLISH EX. EXERCISE SIGNAGE INCLUDING FOOTINGS. HAUL FROM SITE AND DISPOSE OF PROPERLY.
 - DEMOLISH EX. CONCRETE PAD. HAUL FROM SITE AND RECYCLE.
 - GRIND AND REMOVE EX. STRIPED ADA PARKING SPACES.
 - DEMOLISH EXISTING STAMPED CONCRETE RAMPS AT NEIGHBORHOOD ENTRIES. HAUL FROM SITE AND RECYCLE.
 - DEMOLISH EXISTING RUBBER SAFETY TILES. HAUL FROM SITE AND DISPOSE OF PROPERLY.
 - DEMOLISH EX. EXERCISE EQUIPMENT INCLUDING ALL FOOTINGS. HAUL FROM SITE AND DISPOSE OF PROPERLY.

- GENERAL DEMOLITION NOTES:**
- MINOR CONSTRUCTION WORK WILL OCCUR IN THE PUBLIC RIGHT-OF-WAY TO CONNECT THE NEW ENTRY WALKS TO THE PUBLIC SIDEWALK IN THE CUL-DE-SACS. ADDITIONALLY SOME PLANTING AND IRRIGATION ALONG SWEETWATER AVE. WILL OCCUR WITHIN THE PUBLIC RIGHT-OF-WAY. AN ENCROACHMENT PERMIT IS REQUIRED.
 - THE LIMIT OF WORK ALONG SWEETWATER AVE. IS DEFINED BY THE EXISTING CONCRETE V-DITCH JUST OUTSIDE OF THE PARK PROPERTY LINE. ANY DAMAGE TO THE V-DITCH OR THE PUBLIC RIGHT-OF-WAY MUST BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE CITY OF CAMARILLO.
 - ALL TURF AND THATCH BUILD UP IS TO BE REMOVE WITHIN THE PARK. PROTECT IN PLACE THE EXISTING TURF WITHIN THE PASEO PORTION OF THE PARK.
 - REGRADE AREAS OF TURF REMOVAL SMOOTH TO ELIMINATE ALL DIPS OR LOW AREAS. ENSURE DRAINAGE TO CENTER STORMWATER CATCH BASINS.
 - REMOVE ALL WATER VALVES, CAP PIPE, RETURN ANY VALVES, HEADS AND OTHER IRRIGATION EQUIPMENT TO PROJECT MANAGER.
 - EXISTING SALVAGED EXERCISE EQUIPMENT TO BE EXAMINED TO DETERMINE ANY DAMAGE TO ALL CONNECTORS. REPLACE AS NECESSARY.
 - ALL SALVAGED EQUIPMENT TO BE REPAINTED OR TOUCHED UP AS NEEDED.



MATCH LINE, SEE SHEET D1.01



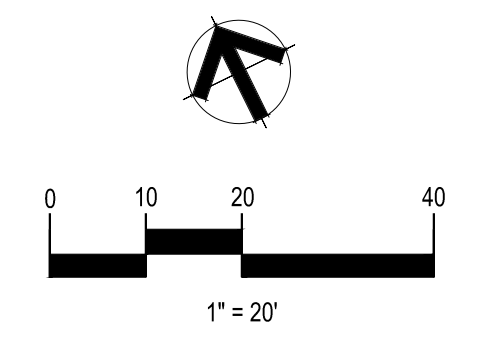
DEMOLITION PLAN

PLEASANT VALLEY PARK & RECREATION DISTRICT
 1605 E BURNLEY STREET
 CAMARILLO, CA 93010

ARNEILL RANCH PARK
 1301 SWEETWATER AVENUE
 CAMARILLO, CA 93010

REVISIONS	DATE	PROJECT TITLE	OWNER
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DRAWN BY: PBN
 CHECKED BY: LW
 PROJECT NO. 0964
 DATE: 30 APR 2021





WITHERS & SANDGREN
LANDSCAPE ARCHITECTURE + PLANNING

20948 TULSA STREET
CHATSWORTH, CA 91311
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DEMOLITION PLAN

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PARK & RECREATION DISTRICT**
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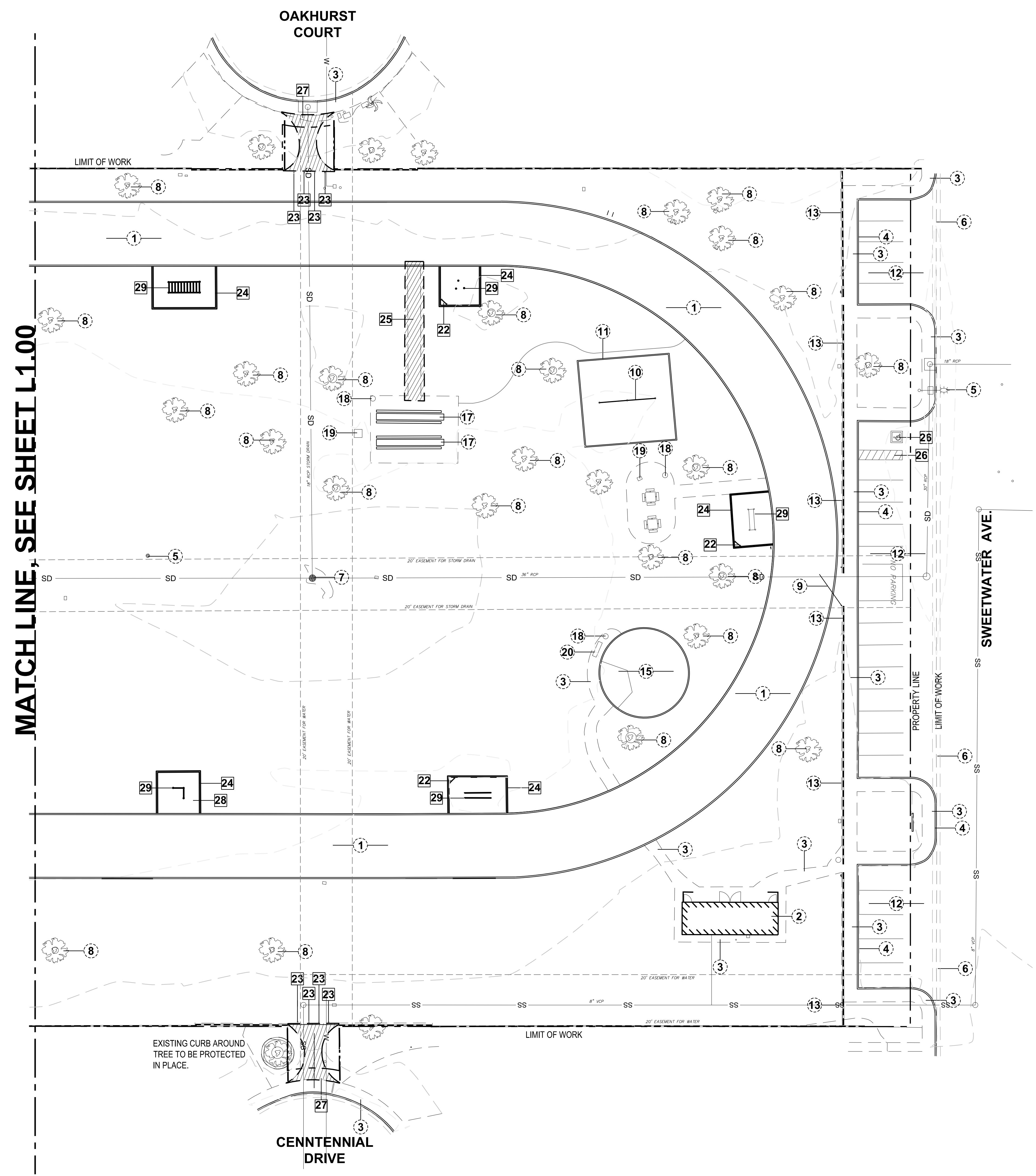
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- LEGEND**
- DEMOLISH, REMOVE
 - SALVAGE
 - PROTECT IN PLACE
 - REMOVALS

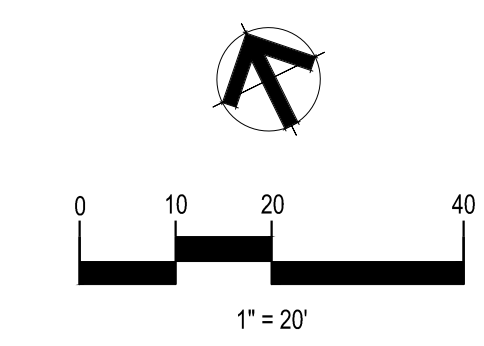
- DEMOLITION LEGEND:**
- 1 - EXISTING DECOMPOSED GRANITE RUNNING TRACK WITH CONCRETE CURBS. PROTECT IN PLACE.
 - 2 - EXISTING RESTROOM. PROTECT IN PLACE.
 - 3 - EXISTING CONCRETE PAVING. PROTECT IN PLACE.
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 - 8 - EXISTING TREE. PROTECT IN PLACE.
 - 9 - EXISTING GATE. PROTECT IN PLACE.
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 - 13 - EXISTING CMU WALL. PROTECT IN PLACE.
 - 14 - EXISTING SIGN. PROTECT IN PLACE.
 - 15 - EXISTING PLAY EQUIPMENT. PROTECT IN PLACE.
 - 16 - EXISTING EXERCISE EQUIPMENT. PROTECT IN PLACE.
 - 17 - EXISTING PICNIC TABLE. PROTECT IN PLACE.
 - 18 - EXISTING TRASH RECEPTACLE. PROTECT IN PLACE.
 - 19 - EXISTING BBQ. PROTECT IN PLACE.
 - 20 - EXISTING BENCH. PROTECT IN PLACE.
 - 21 - SALVAGE EX. EXERCISE EQUIPMENT FOR REINSTALLATION.
 - 22 - DEMOLISH EX. EXERCISE SIGNAGE INCLUDING FOOTINGS. HAUL FROM SITE AND DISPOSE OF PROPERLY.
 - 23 - DEMOLISH EX. BOLLARDS, ASSOCIATED CONCRETE MOW CURB AND FOOTINGS. HAUL FROM SITE AND DISPOSE OF PROPERLY.
 - 24 - DEMOLISH EX. CONCRETE CURB AROUND EXERCISE EQUIPMENT AND START PORTION OF TRACK INDICATED. HAUL FROM SITE AND RECYCLE. DISPOSE OF EXISTING DECOMPOSED GRANITE AND ANY BASE MATERIAL.
 - 25 - DEMOLISH EX. CONCRETE PAD. HAUL FROM SITE AND RECYCLE.
 - 26 - GRIND AND REMOVE EX. STRIPED ADA PARKING SPACES.
 - 27 - DEMOLISH EXISTING STAMPED CONCRETE RAMPS AT NEIGHBORHOOD ENTRIES. HAUL FROM SITE AND RECYCLE.
 - 28 - DEMOLISH EXISTING RUBBER SAFETY TILES. HAUL FROM SITE AND DISPOSE OF PROPERLY.
 - 29 - DEMOLISH EX. EXERCISE EQUIPMENT INCLUDING ALL FOOTINGS. HAUL FROM SITE AND DISPOSE OF PROPERLY.

- GENERAL DEMOLITION NOTES:**
1. MINOR CONSTRUCTION WORK WILL OCCUR IN THE PUBLIC RIGHT-OF-WAY TO CONNECT THE NEW ENTRY WALKS TO THE PUBLIC SIDEWALK IN THE CUL-DE-SACS. ADDITIONALLY SOME PLANTING AND IRRIGATION ALONG SWEETWATER AVE. WILL OCCUR WITHIN THE PUBLIC RIGHT-OF-WAY. AN ENCROACHMENT PERMIT IS REQUIRED.
 2. THE LIMIT OF WORK ALONG SWEETWATER AVE. IS DEFINED BY THE EXISTING CONCRETE V-DITCH JUST OUTSIDE OF THE PARK PROPERTY LINE. ANY DAMAGE TO THE V-DITCH OR THE PUBLIC RIGHT-OF-WAY MUST BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE CITY OF CAMARILLO.
 3. ALL TURF AND THATCH BUILD UP IS TO BE REMOVE WITHIN THE PARK. PROTECT IN PLACE THE EXISTING TURF WITHIN THE PASEO PORTION OF THE PARK.
 4. REGRADE AREAS OF TURF REMOVAL SMOOTH TO ELIMINATE ALL DIPS OR LOW AREAS. ENSURE DRAINAGE TO CENTER STORMWATER CATCH BASINS.
 5. REMOVE ALL WATER VALVES, CAP PIPE, RETURN ANY VALVES, HEADS AND OTHER IRRIGATIONS EQUIPMENT TO PROJECT MANAGER.
 6. EXISTING SALVAGED EXERCISE EQUIPMENT TO BE EXAMINED TO DETERMINE ANY DAMAGE TO ALL CONNECTORS. REPLACE AS NECESSARY.
 7. ALL SALVAGED EQUIPMENT TO BE REPAINTED OR TOUCHED UP AS NEEDED.



MATCH LINE, SEE SHEET L1.00

EXISTING CURB AROUND TREE TO BE PROTECTED IN PLACE.





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CONSTRUCTION PLAN

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REVISIONS	DATE	PROJECT TITLE	OWNER
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DRAWN BY: PBN
 CHECKED BY: LW
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SHEET OF 22
L1.00

CONSTRUCTION NOTES

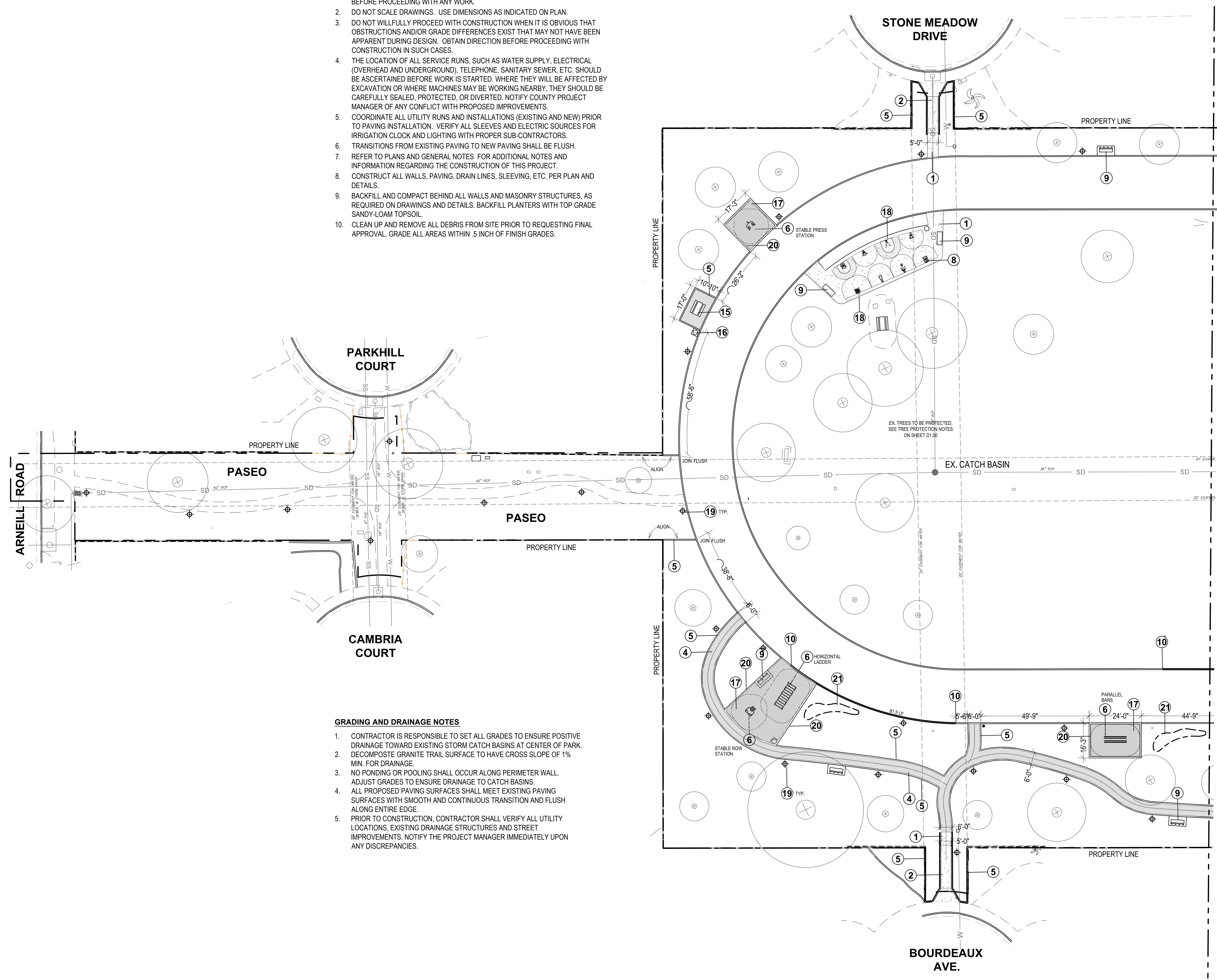
- DRAWING IS DIAGRAMMATIC. CONTRACTOR TO VERIFY ALL CONDITIONS AND LOCATIONS ON SITE PRIOR TO THE START OF CONSTRUCTION. NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY IF ANY ERRORS OR DISCREPANCIES ARE FOUND, BEFORE PROCEEDING WITH ANY WORK.
- DO NOT SCALE DRAWINGS. USE DIMENSIONS AS INDICATED ON PLAN.
- DO NOT WILLFULLY PROCEED WITH CONSTRUCTION WHEN IT IS OBVIOUS THAT OBSTRUCTIONS AND/OR GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN APPARENT DURING DESIGN. OBTAIN DIRECTION BEFORE PROCEEDING WITH CONSTRUCTION IN SUCH CASES.
- THE LOCATION OF ALL SERVICE RUNS, SUCH AS WATER SUPPLY, ELECTRICAL (OVERHEAD AND UNDERGROUND), TELEPHONE, SANITARY SEWER, ETC. SHOULD BE ASCERTAINED BEFORE WORK IS STARTED, WHERE THEY WILL BE AFFECTED BY EXCAVATION OR WHERE MACHINES MAY BE WORKING NEARBY. THEY SHOULD BE CAREFULLY SEALED, PROTECTED, OR DIVERTED. NOTIFY COUNTY PROJECT MANAGER OF ANY CONFLICT WITH PROPOSED IMPROVEMENTS.
- COORDINATE ALL UTILITY RUNS AND INSTALLATIONS (EXISTING AND NEW) PRIOR TO PAVING INSTALLATION. VERIFY ALL SLEEVES AND ELECTRIC SOURCES FOR IRRIGATION CLOCK AND LIGHTING WITH PROPER SUB-CONTRACTORS.
- TRANSITIONS FROM EXISTING PAVING TO NEW PAVING SHALL BE FLUSH.
- REFER TO PLANS AND GENERAL NOTES FOR ADDITIONAL NOTES AND INFORMATION REGARDING THE CONSTRUCTION OF THIS PROJECT.
- CONSTRUCT ALL WALLS, PAVING, DRAIN LINES, SLEEVING, ETC. PER PLAN AND DETAILS.
- BACKFILL AND COMPACT BEHIND ALL WALLS AND MASONRY STRUCTURES, AS REQUIRED ON DRAWINGS AND DETAILS. BACKFILL PLANTERS WITH TOP GRADE SANDY-LOAM TOPSOIL.
- CLEAN UP AND REMOVE ALL DEBRIS FROM SITE PRIOR TO REQUESTING FINAL APPROVAL. GRADE ALL AREAS WITHIN .5 INCH OF FINISH GRADES.

GRADING AND DRAINAGE NOTES

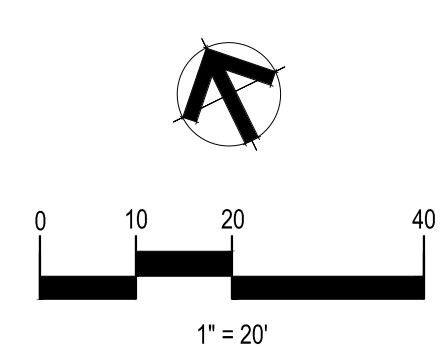
- CONTRACTOR IS RESPONSIBLE TO SET ALL GRADES TO ENSURE POSITIVE DRAINAGE TOWARD EXISTING STORM CATCH BASINS AT CENTER OF PARK.
- DECOMPOSE GRANITE TRAIL SURFACE TO HAVE CROSS SLOPE OF 1% MIN. FOR DRAINAGE.
- NO PONDING OR POOLING SHALL OCCUR ALONG PERIMETER WALL. ADJUST GRADES TO ENSURE DRAINAGE TO CATCH BASINS.
- ALL PROPOSED PAVING SURFACES SHALL MEET EXISTING PAVING SURFACES WITH SMOOTH AND CONTINUOUS TRANSITION AND FLUSH ALONG ENTIRE EDGE.
- PRIOR TO CONSTRUCTION, CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS, EXISTING DRAINAGE STRUCTURES AND STREET IMPROVEMENTS. NOTIFY THE PROJECT MANAGER IMMEDIATELY UPON ANY DISCREPANCIES.

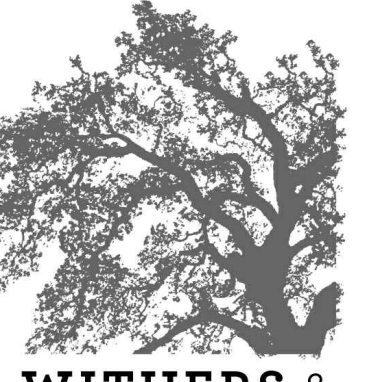
CONSTRUCTION LEGEND

- CONSTRUCT CONCRETE PAVING PER DETAILS 8 & 9, SHEET L1.50.
- CONSTRUCT CONCRETE RAMP WITH RAISED CURBS PER DETAILS 6 & 11, SHEET L1.50.
- CONSTRUCT GALVANIZED STEEL PIPE RAIL HANDRAILS PER DETAILS 6 & 11, SHEET L1.50. PROVIDE SHOP DRAWINGS FOR APPROVAL.
- CONSTRUCT DECOMPOSED GRANITE SURFACING PER DETAIL 10, SHEET L1.50. AVAILABLE FROM SOUTHWEST BOULDER & STONE, (760) 451-3333 FULLERTON, CA. COLOR: CALIFORNIA GOLD. PROVIDE SAMPLE FOR APPROVAL.
- CONSTRUCT FLUSH 6" CONCRETE CURB PER DETAIL 7, SHEET L1.50.
- PROVIDE AND INSTALL LITTLE TYKES FITNESS EQUIPMENT OR APPROVED EQUAL PER SHEET L1.52.
- NOT USED.
- REINSTALL SALVAGED EXERCISE EQUIPMENT PER SHEET L1.52.
- PROVIDE AND INSTALL 6" VICTORY BENCH, MODEL KBN-33 OR APPROVED EQUAL INCLUDING SURFACE MOUNT KIT ABC9404 FOR THREE LEGS ON CONCRETE PAD PER DETAIL 16, SHEET L1.51, DETAIL 9, SHEET L1.50 AND PER MANUFACTURERS RECOMMENDATIONS. AVAILABLE FROM KIRBY BUILT, (866) 965-4729. TOTAL: 12 BENCHES. COLOR: DESERT TAN WITH GREEN BASE.
- CONSTRUCT CONCRETE CURB TO MATCH EXISTING TRACK CURB IN LOCATIONS WHERE SECTIONS WERE DEMOLISHED. JOIN FLUSH.
- STRIP NEW ADA-ACCESSIBLE PARKING SPACE PER DETAIL 12, SHEET L1.51.
- CONSTRUCT NEW CONCRETE RAMP AT PARKING SPACE PER DETAIL 12, SHEET L1.51.
- PROVIDE AND INSTALL ACCESSIBILITY SIGNAGE PER CODE. SEE TO DETAIL 13, SHEET L1.51.
- PAINT STRIPES FOR STANDARD PARKING SPACES.
- PROVIDE AND INSTALL PILOT ROCK 6" EXTRA HEAVY DUTY ALUMINUM PICNIC TABLE, MODEL XT16-G OR APPROVED EQUAL. FOR ADA-ACCESSIBLE TABLE SEE LAYOUT DETAIL 23, SHEET L1.52. AVAILABLE FROM R.J. THOMAS MANUFACTURING CO., (800) 762-5002. TOTAL: 1 REGULAR TABLE, 1 ADA ACCESSIBLE TABLE.
- PROVIDE AND INSTALL 32-GAL ROUND TRASH RECEPTACLE, MODEL TR-32 WITH RAIN BONNET TOP, MODEL RBR-32-14, OR APPROVED EQUAL PER DETAIL 16, SHEET L1.51. AVAILABLE FROM ULTRA-SITE, (800) 458-5872. TOTAL: 2. COLOR: PLANKS TO BE CEDAR, LID TO BE BLACK.
- PROVIDE AND INSTALL FIBAR WOOD SURFACING PER DETAIL 18, SHEET L1.51.
- PROVIDE AND INSTALL TWO NEW ACCESSIBLE EXERCISE STATIONS OR APPROVED EQUAL PER MANUFACTURERS RECOMMENDATIONS AND DETAIL 14 & 17, SHEET L1.51. AVAILABLE FROM GREENFIELDS, CONTACT ALLISON ABEL, (888) 315-9037 x112.
- PROVIDE AND INSTALL ELECTRICAL UNDERGROUND WIRES FOR NEW BOLLARDS. BOLLARDS ARE NOT IN CONTRACT FOR THIS PHASE OF THE PROJECT. SEE ELECTRICAL PLANS.
- CONSTRUCT 8" CONCRETE HEADER AT EDGE OF FIBAR SURFACING PER DETAIL 18, SHEET L1.51. NOTE PORTIONS OF THE TRACK CURB TO BE RE CONSTRUCTED TO ACCOMMODATE NEW HEADER.
- GRADE LOW AREAS TO FORM SHALLOW RAIN GARDENS TO RETAIN RUN-OFF FROM CONCRETE AND RESTROOM ROOF AND TO MINIMIZE RUN-OFF ON TO TRACK. MAX. DEPTH TO BE 3'-6" RELATIVE TO SURROUNDING ELEVATIONS.



MATCH LINE, SEE SHEET L1.01





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LANDSCAPE
ARCHITECTURE
+ PLANNING

20948 TULSA STREET
CHATSWORTH, CA 91311
818-291-0200
mail@withersandsandgren.com

CONSTRUCTION DETAILS

SHEET TITLE

PLEASANT VALLEY
PARK & RECREATION DISTRICT
1605 E BURNLEY STREET
CAMARILLO, CA 93010

OWNER

ARNEILL RANCH PARK
1301 SWEETWATER AVENUE
CAMARILLO, CA 93010

PROJECT TITLE

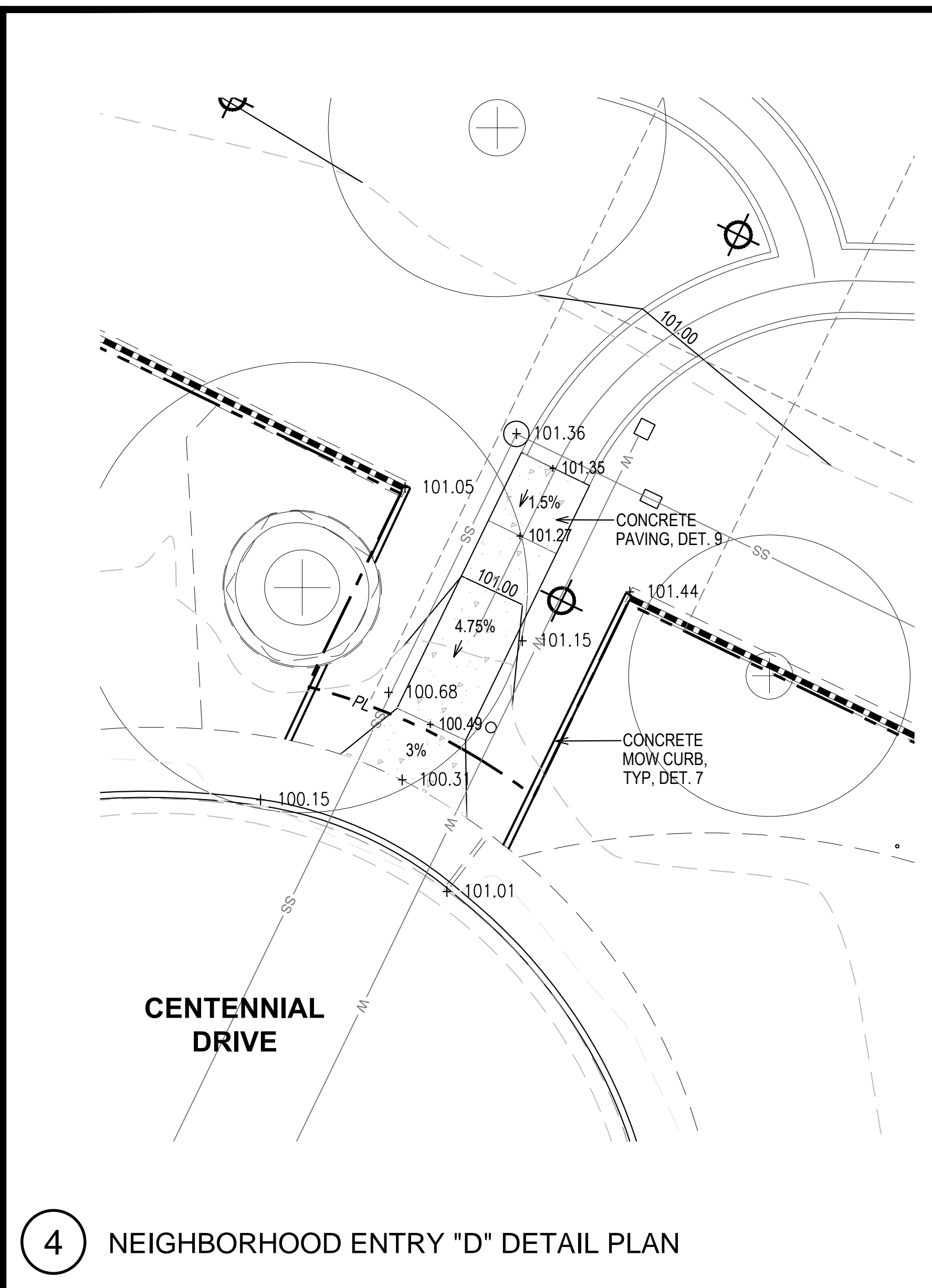
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REVISIONS

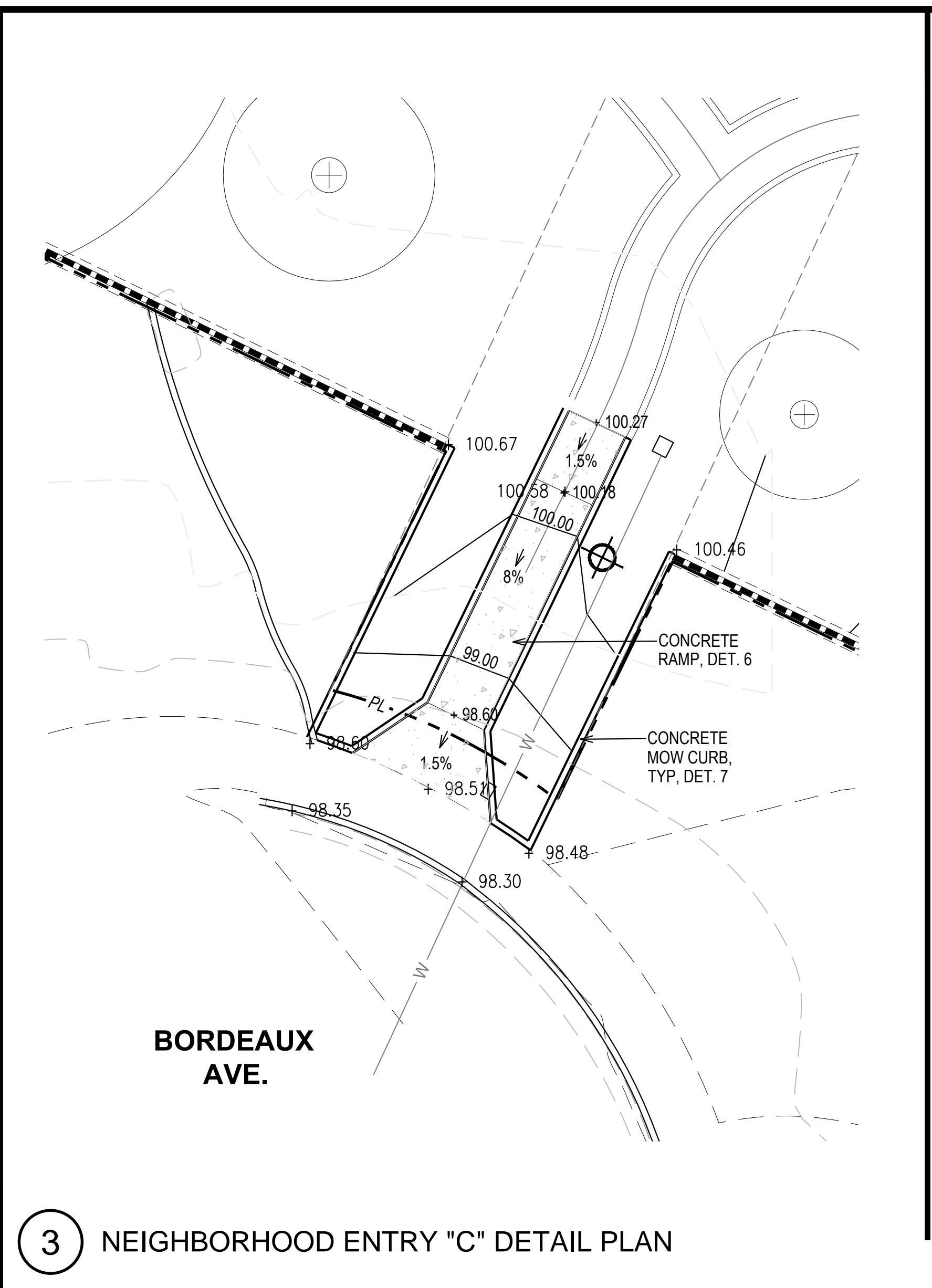
DRAWN BY: PBN
CHECKED BY: LW
PROJECT NO. 0964
DATE: 30 APR 2021



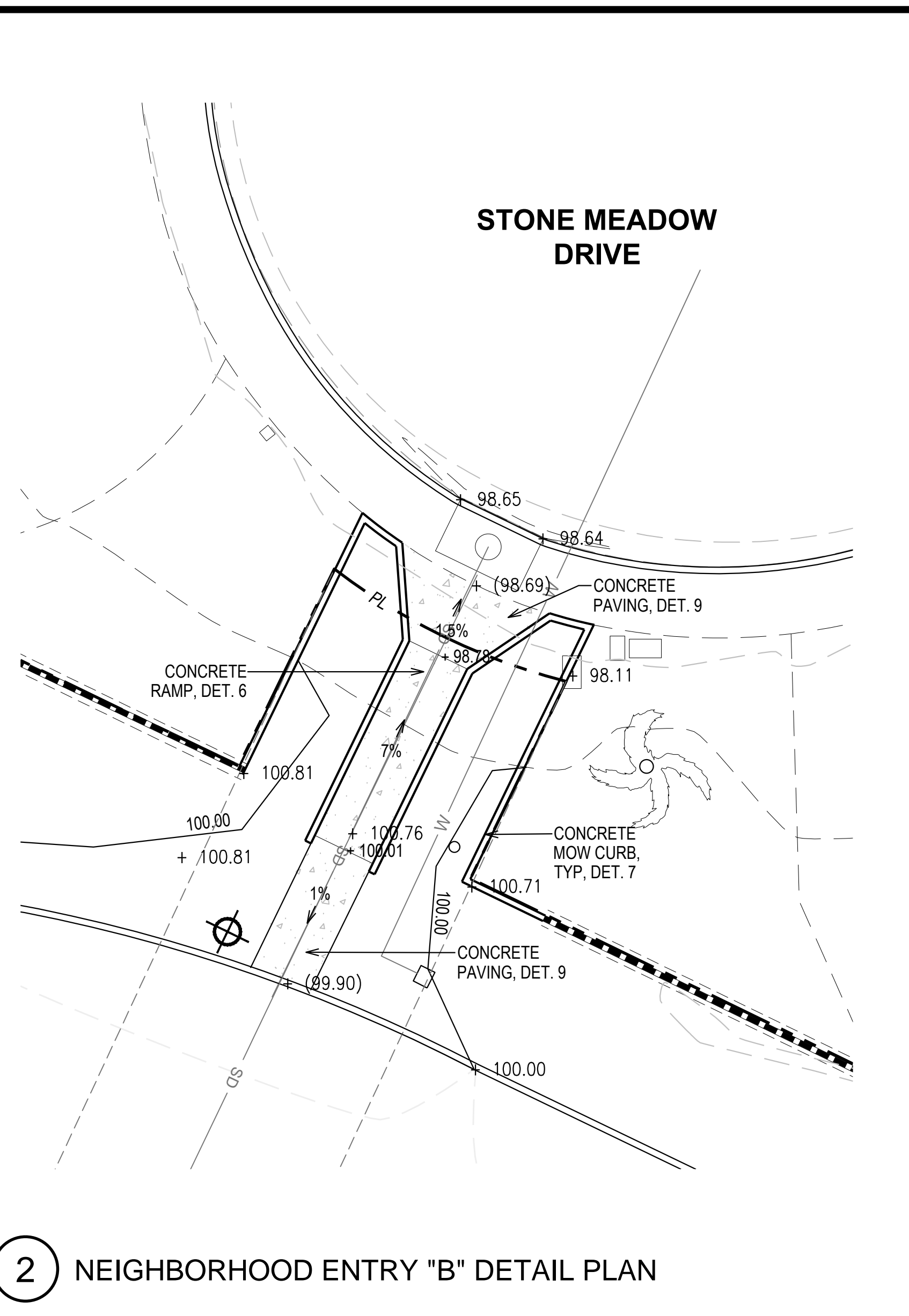
SHEET OF 22
L1.50



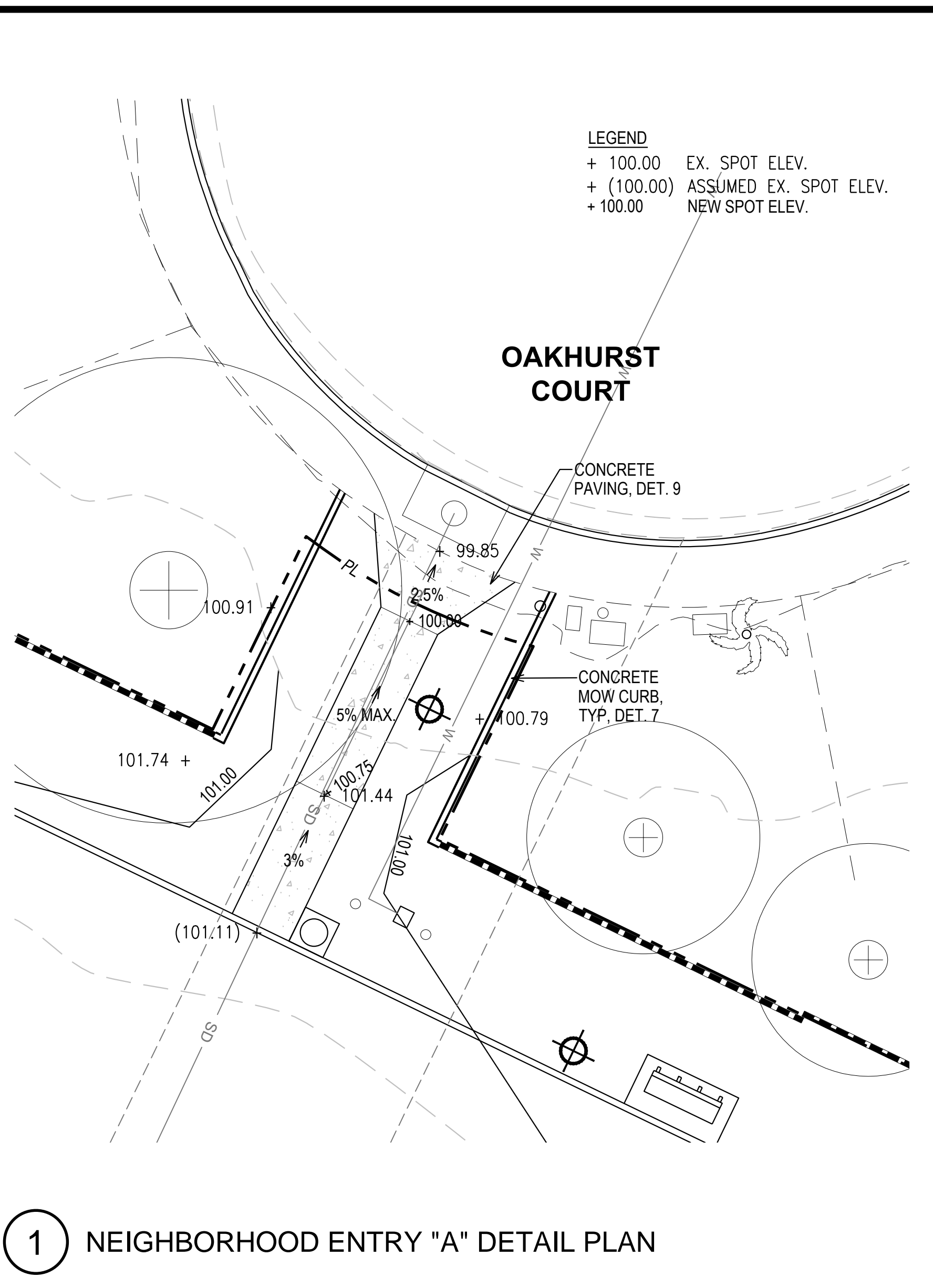
4 NEIGHBORHOOD ENTRY "D" DETAIL PLAN



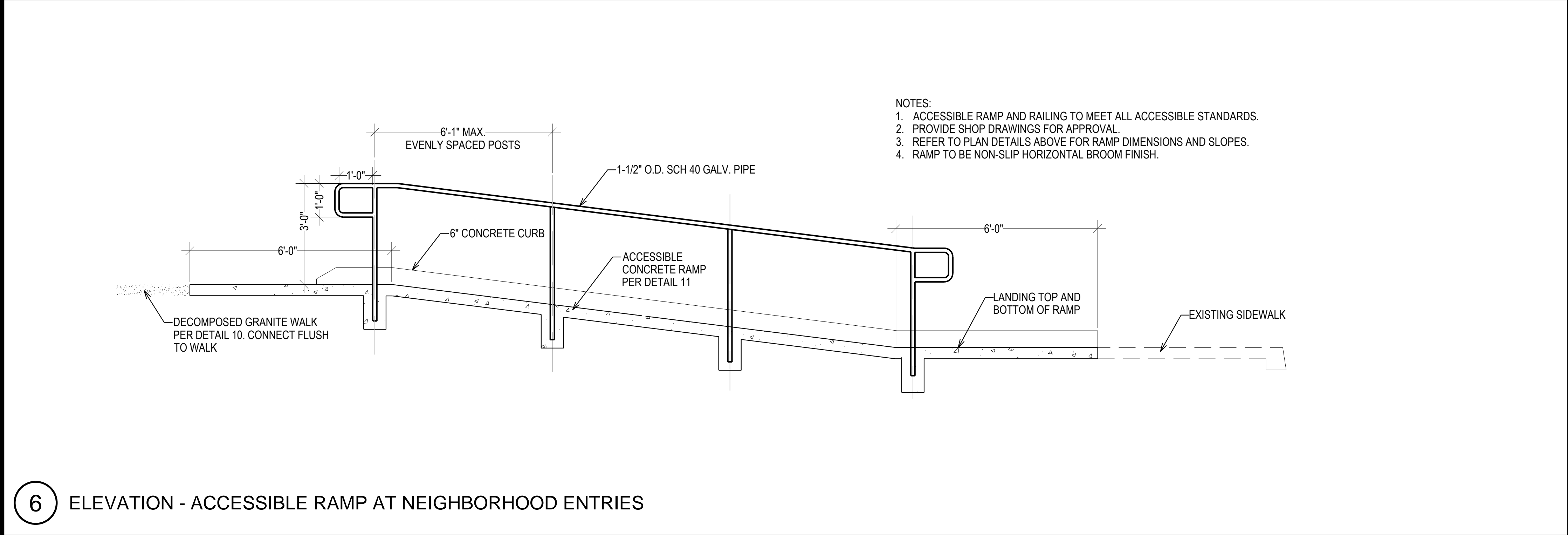
3 NEIGHBORHOOD ENTRY "C" DETAIL PLAN



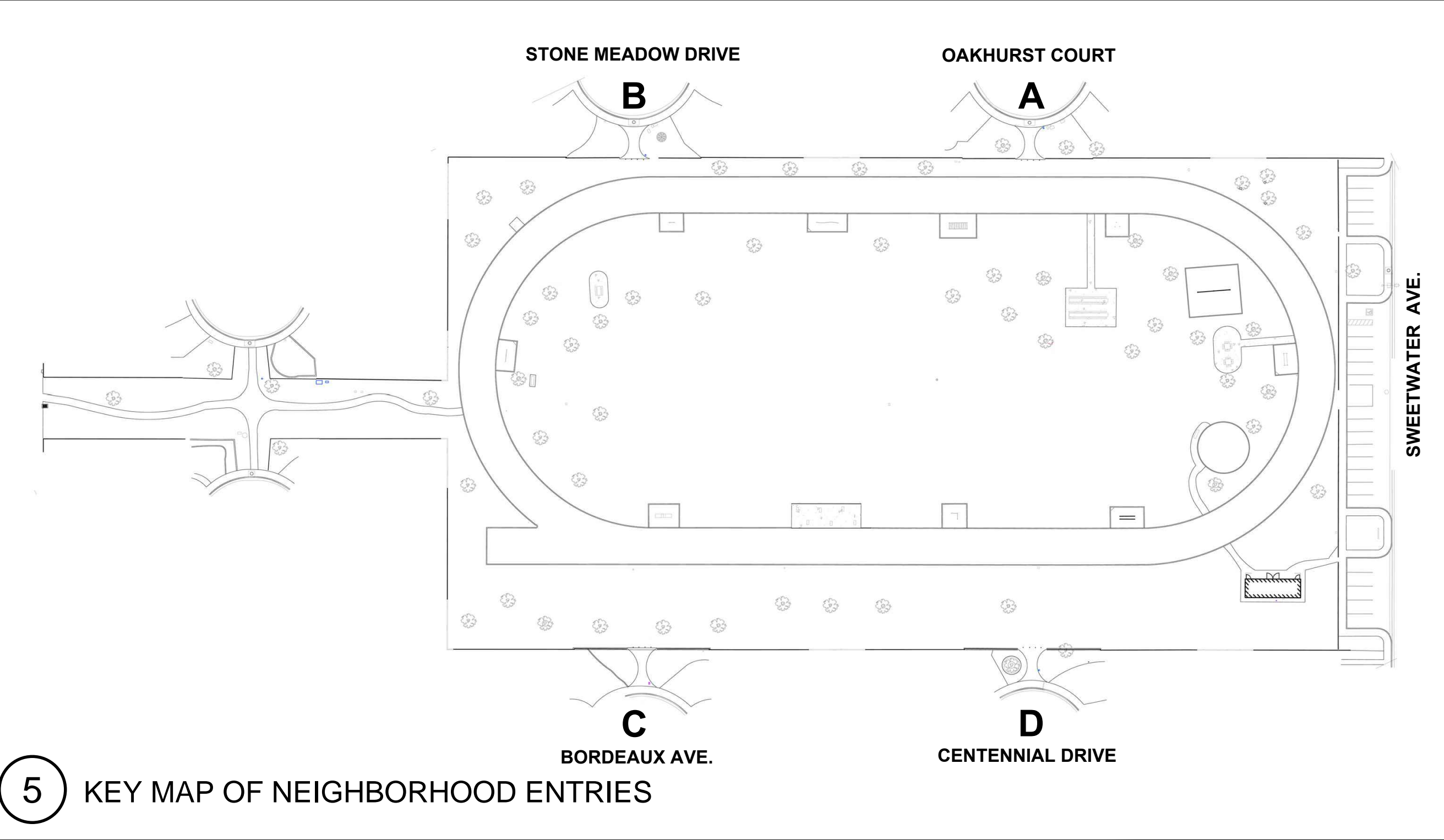
2 NEIGHBORHOOD ENTRY "B" DETAIL PLAN



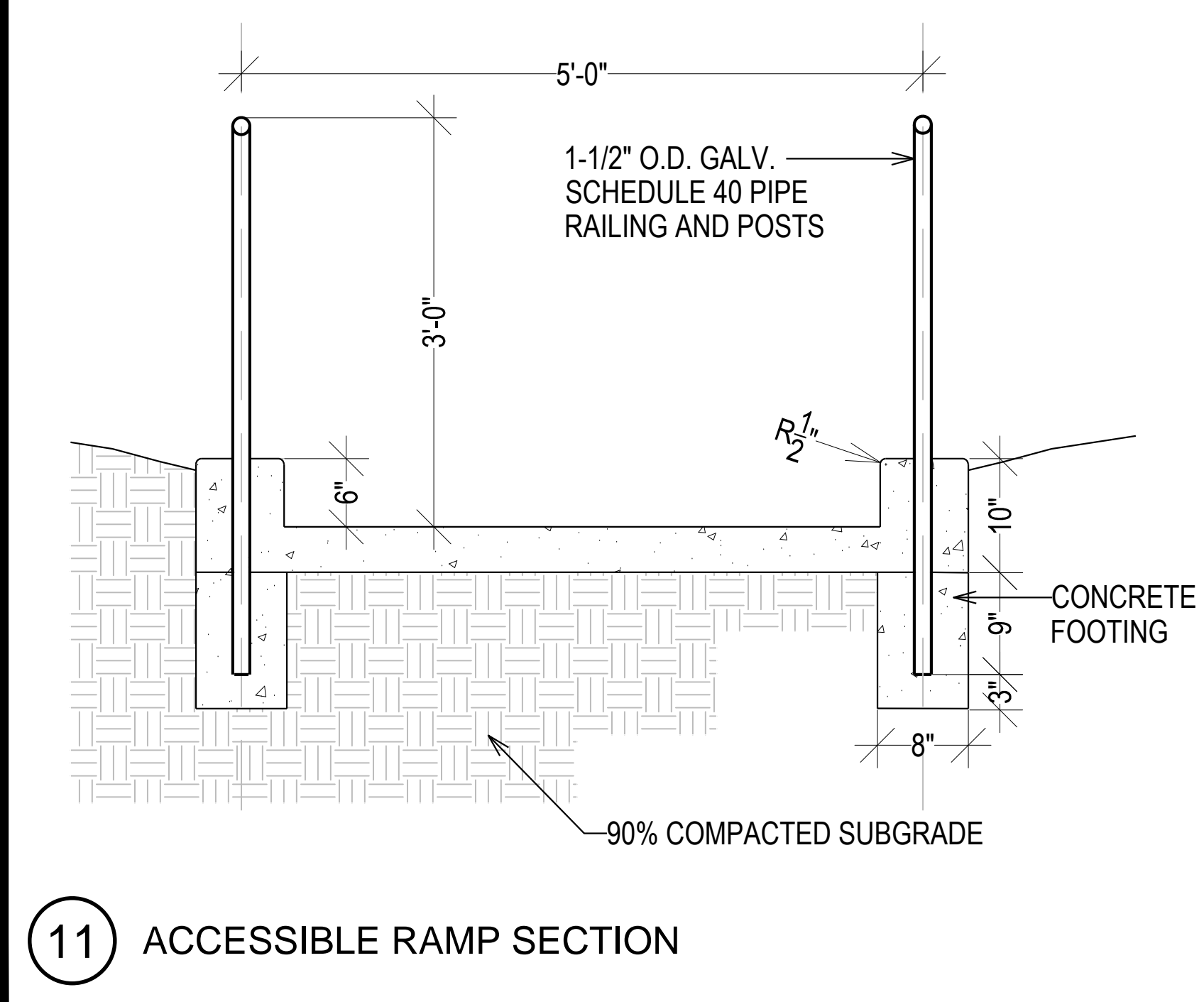
1 NEIGHBORHOOD ENTRY "A" DETAIL PLAN



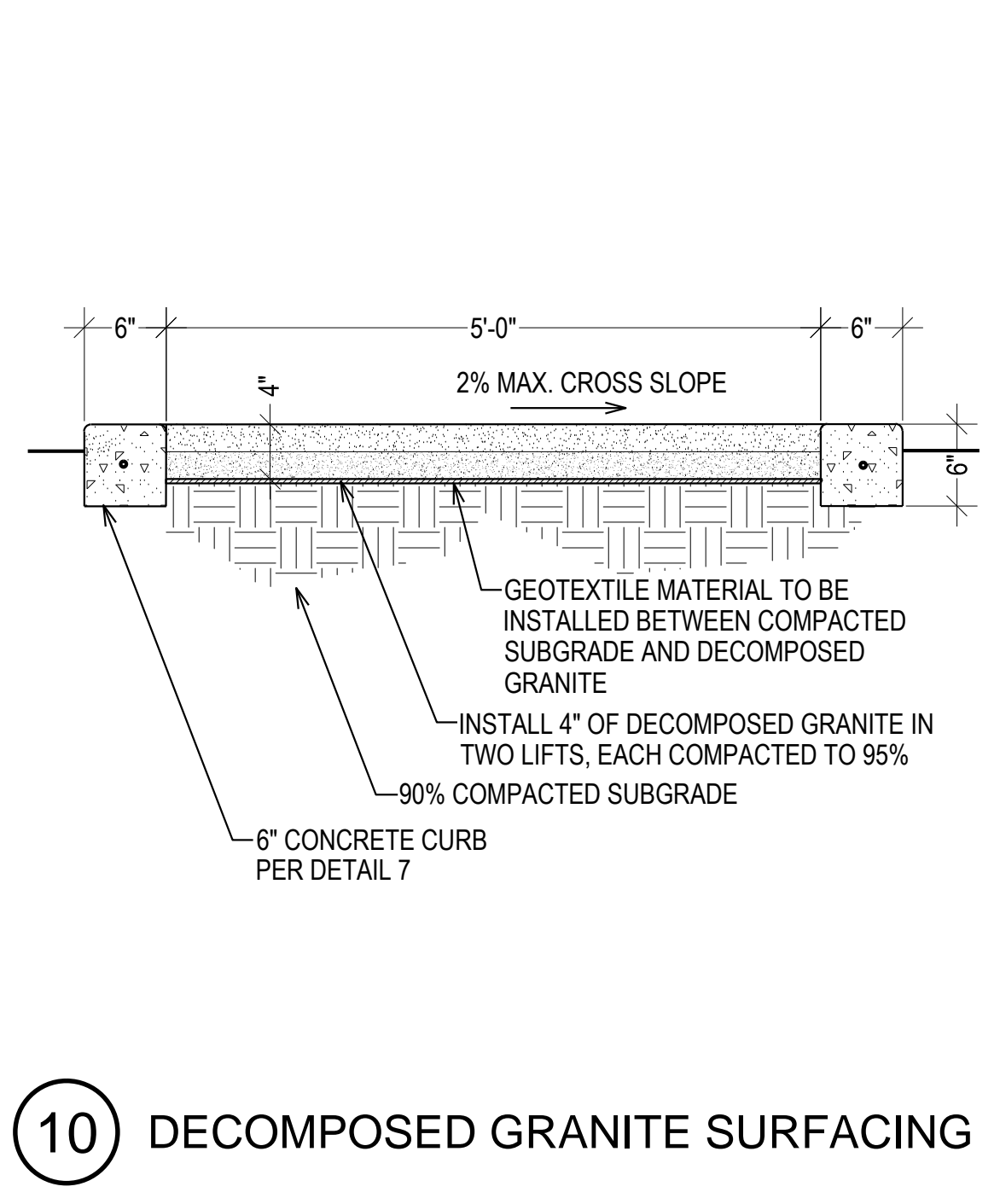
6 ELEVATION - ACCESSIBLE RAMP AT NEIGHBORHOOD ENTRIES



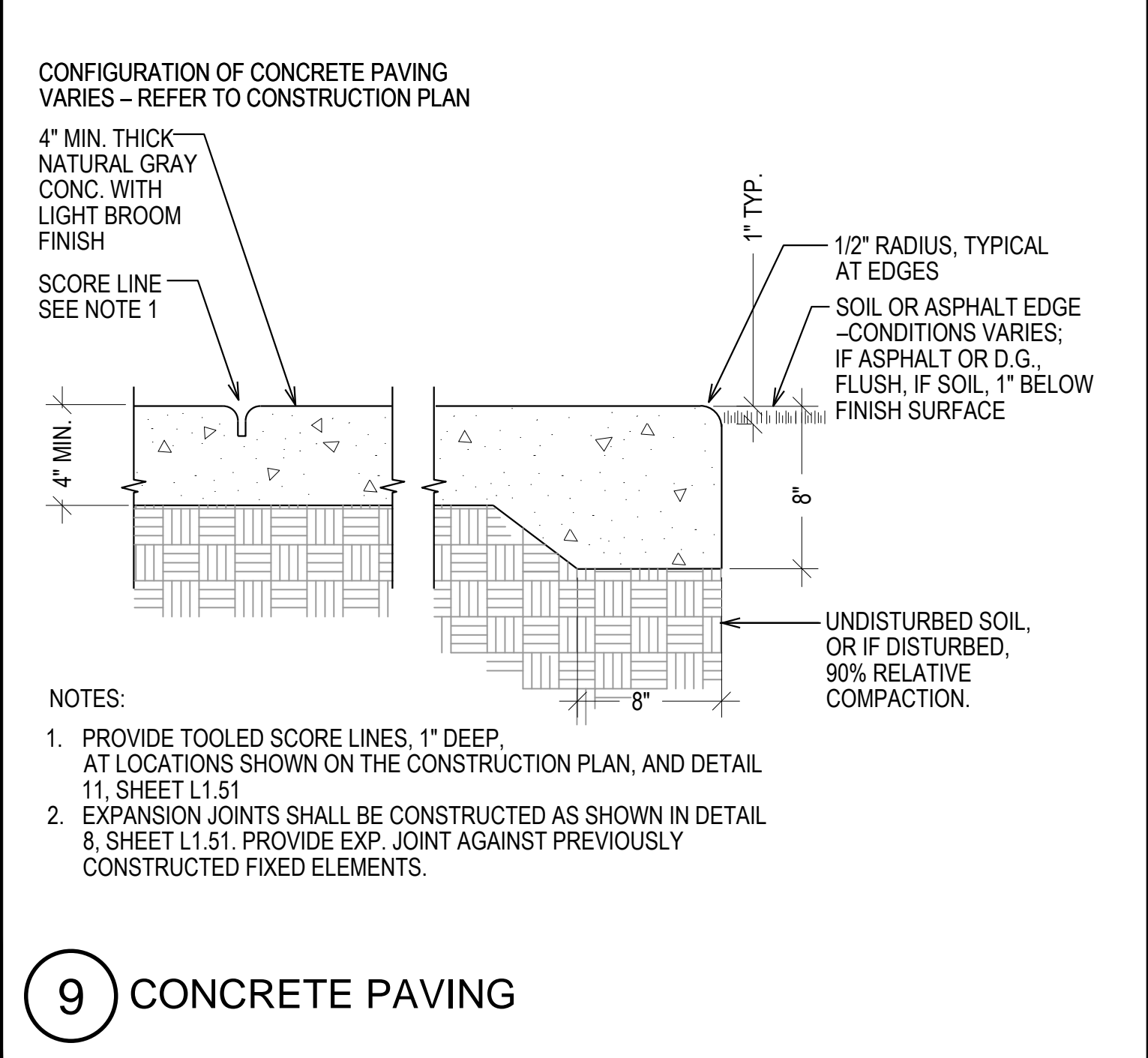
5 KEY MAP OF NEIGHBORHOOD ENTRIES



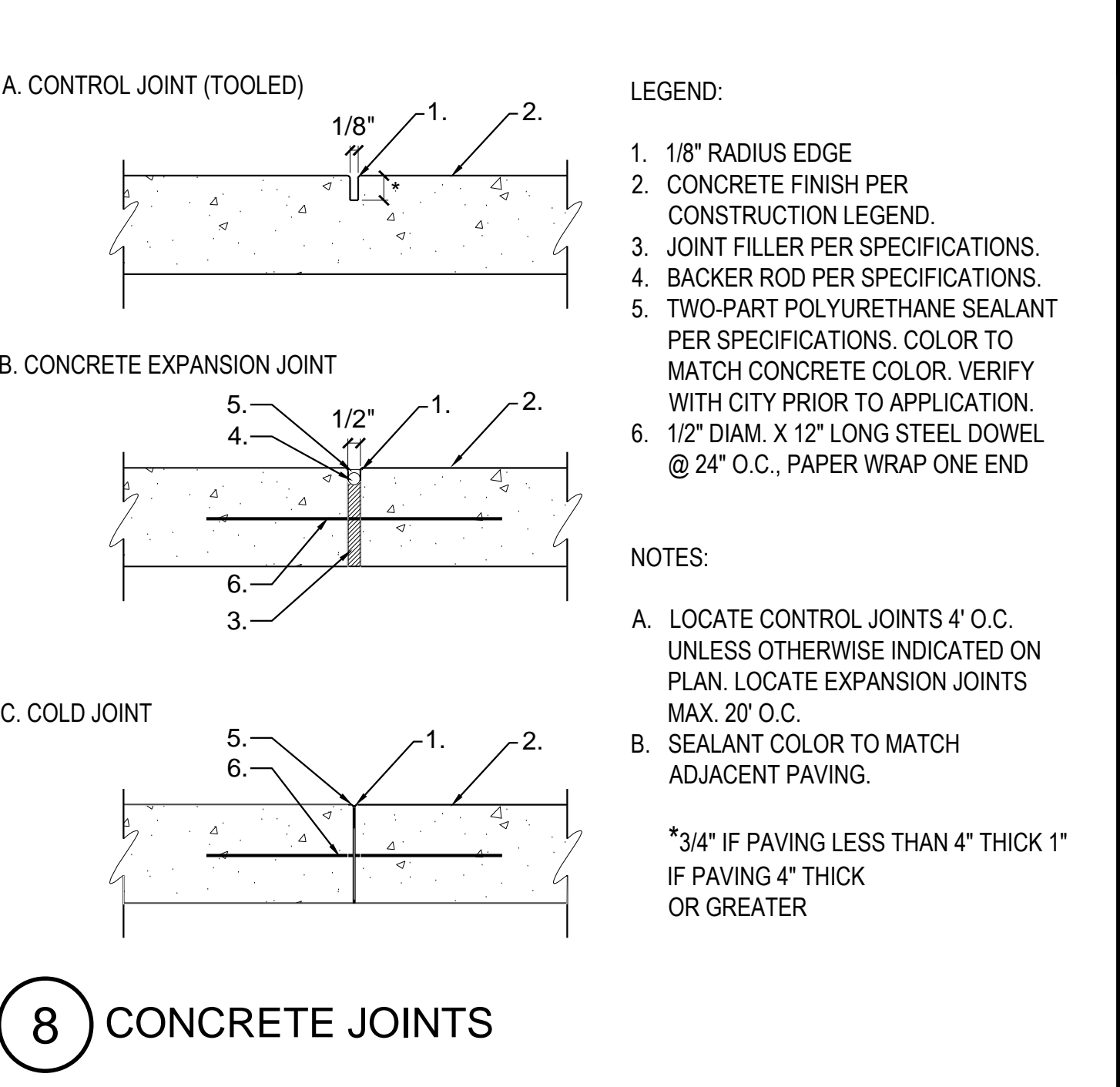
11 ACCESSIBLE RAMP SECTION



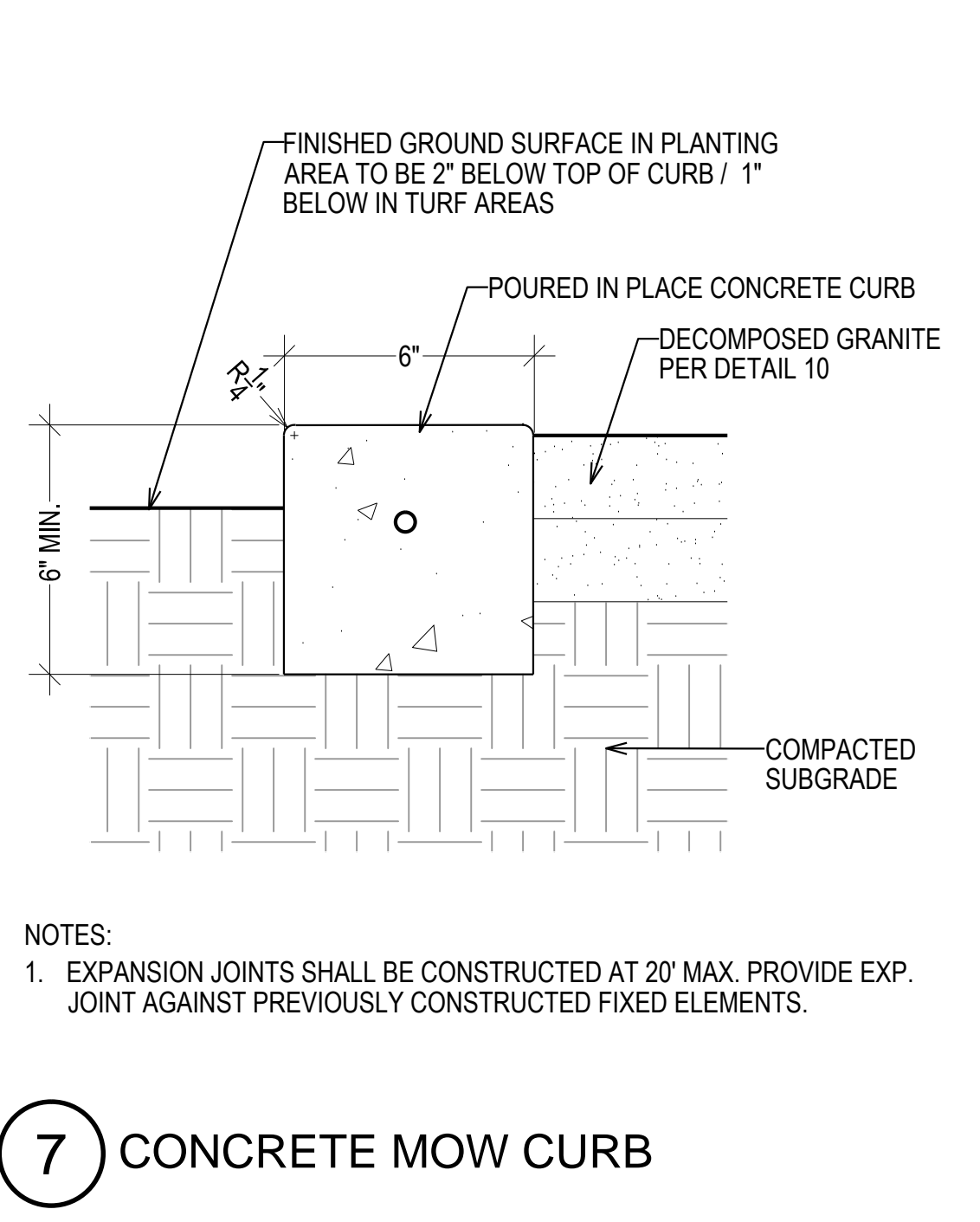
10 DECOMPOSED GRANITE SURFACING



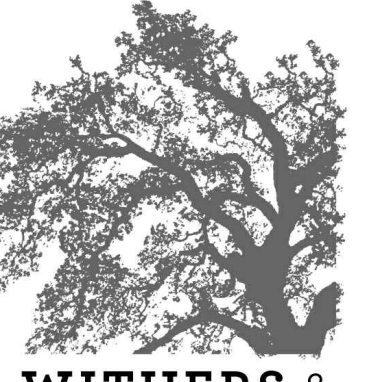
9 CONCRETE PAVING



8 CONCRETE JOINTS



7 CONCRETE MOW CURB



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CONSTRUCTION DETAILS

SHEET TITLE

PLEASANT VALLEY
PARK & RECREATION DISTRICT
1605 E BURNLEY STREET
CAMARILLO, CA 93010

OWNER

ARNEILL RANCH PARK
1301 SWEETWATER AVENUE
CAMARILLO, CA 93010

PROJECT TITLE

DATE

NO.	DATE	DESCRIPTION
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REVISIONS

DRAWN BY: PBN

CHECKED BY: LW

PROJECT NO. 0964

DATE: 30 APR 2021

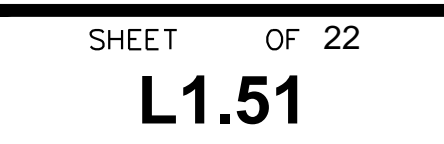
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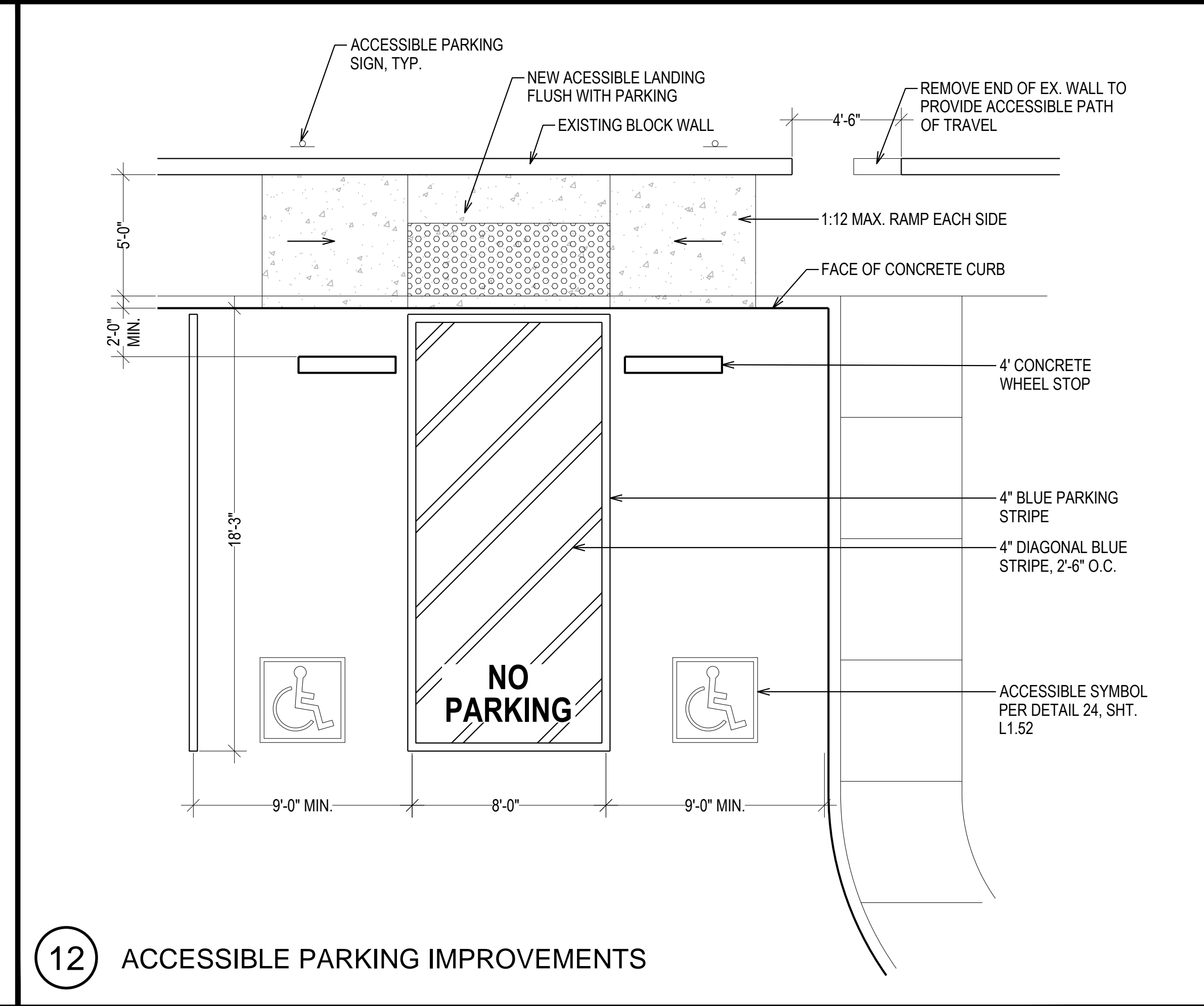
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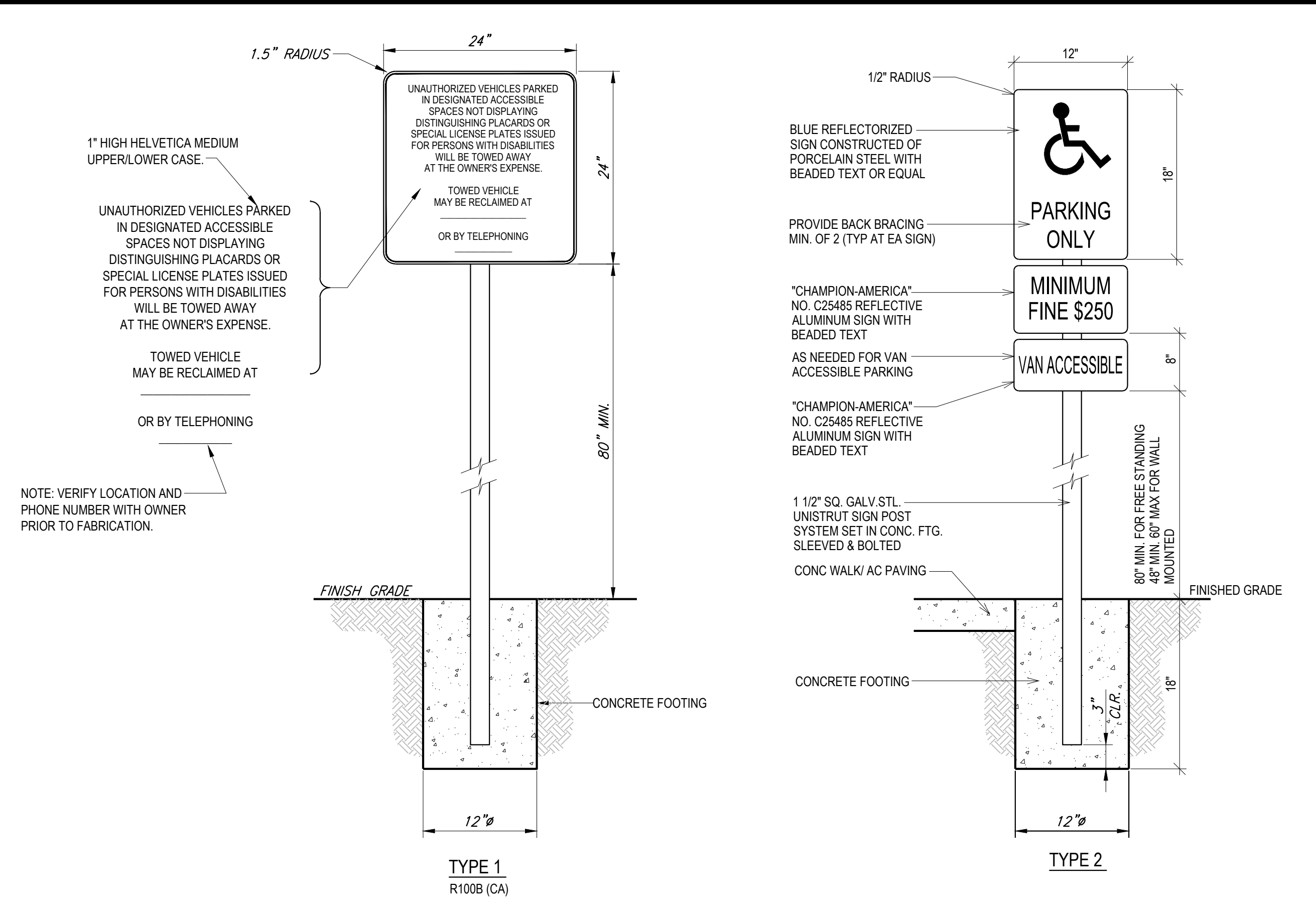


SHEET OF 22

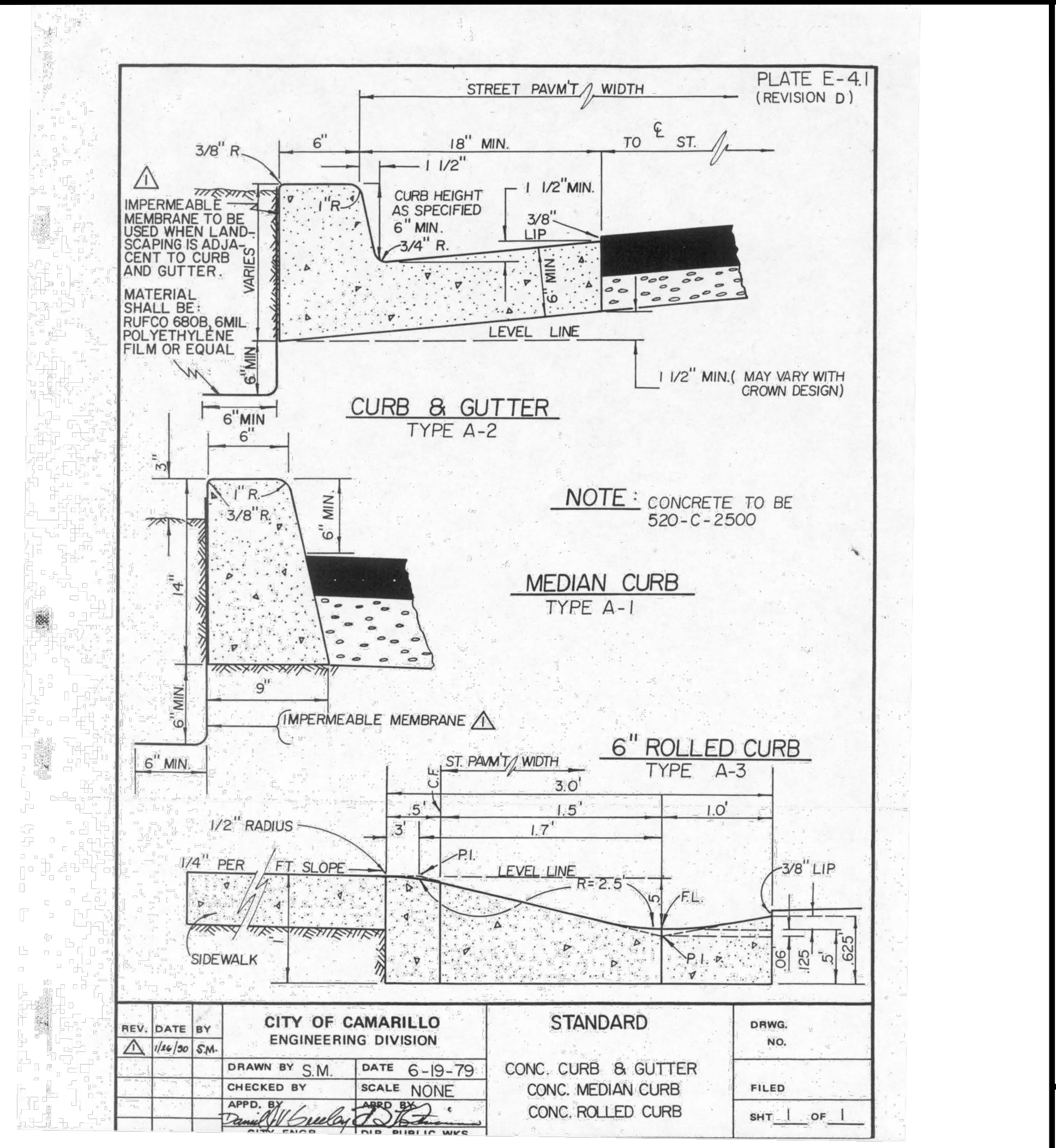
L1.51



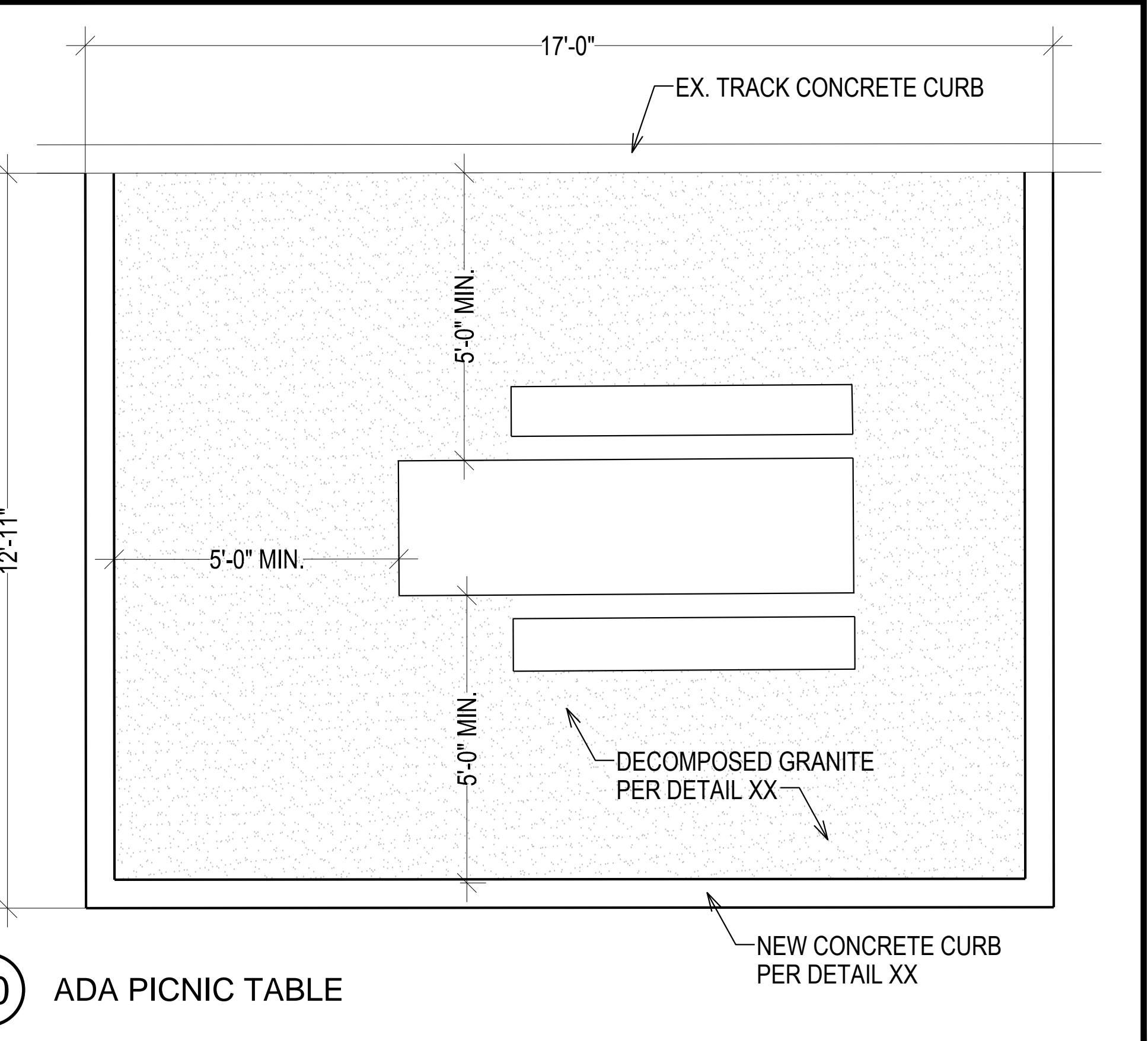
12 ACCESSIBLE PARKING IMPROVEMENTS



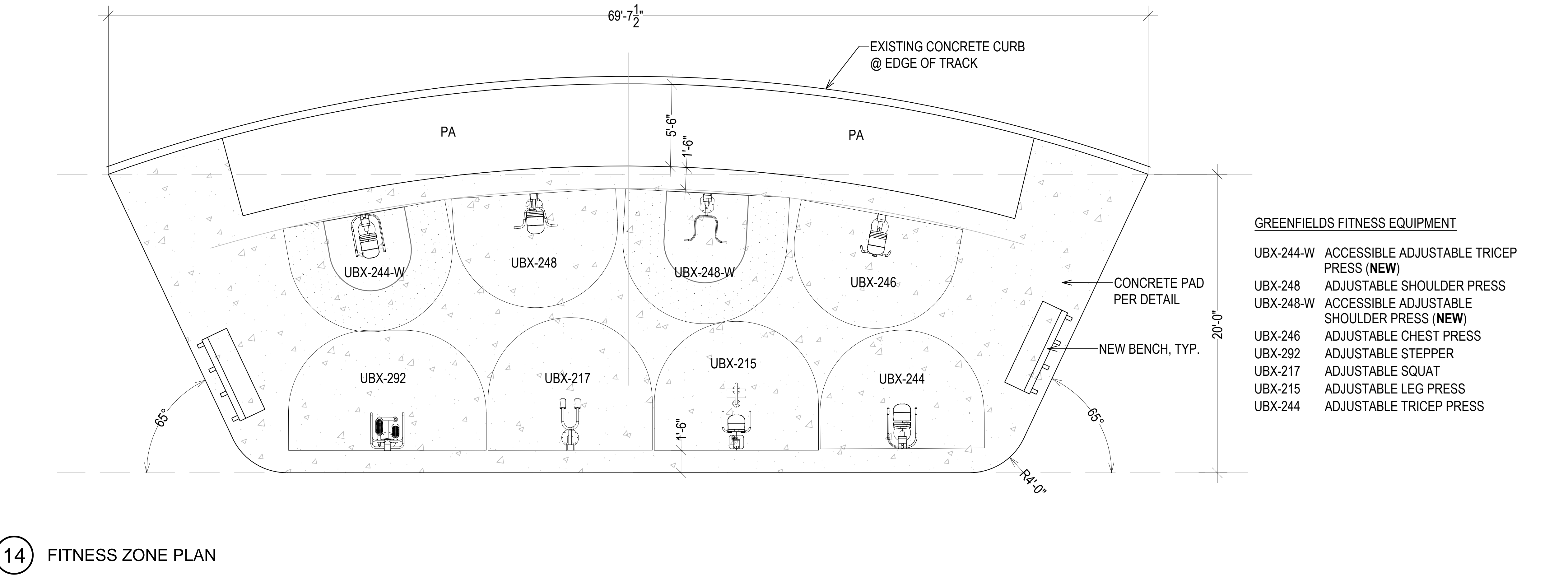
13 ACCESSIBLE PARKING SIGNS



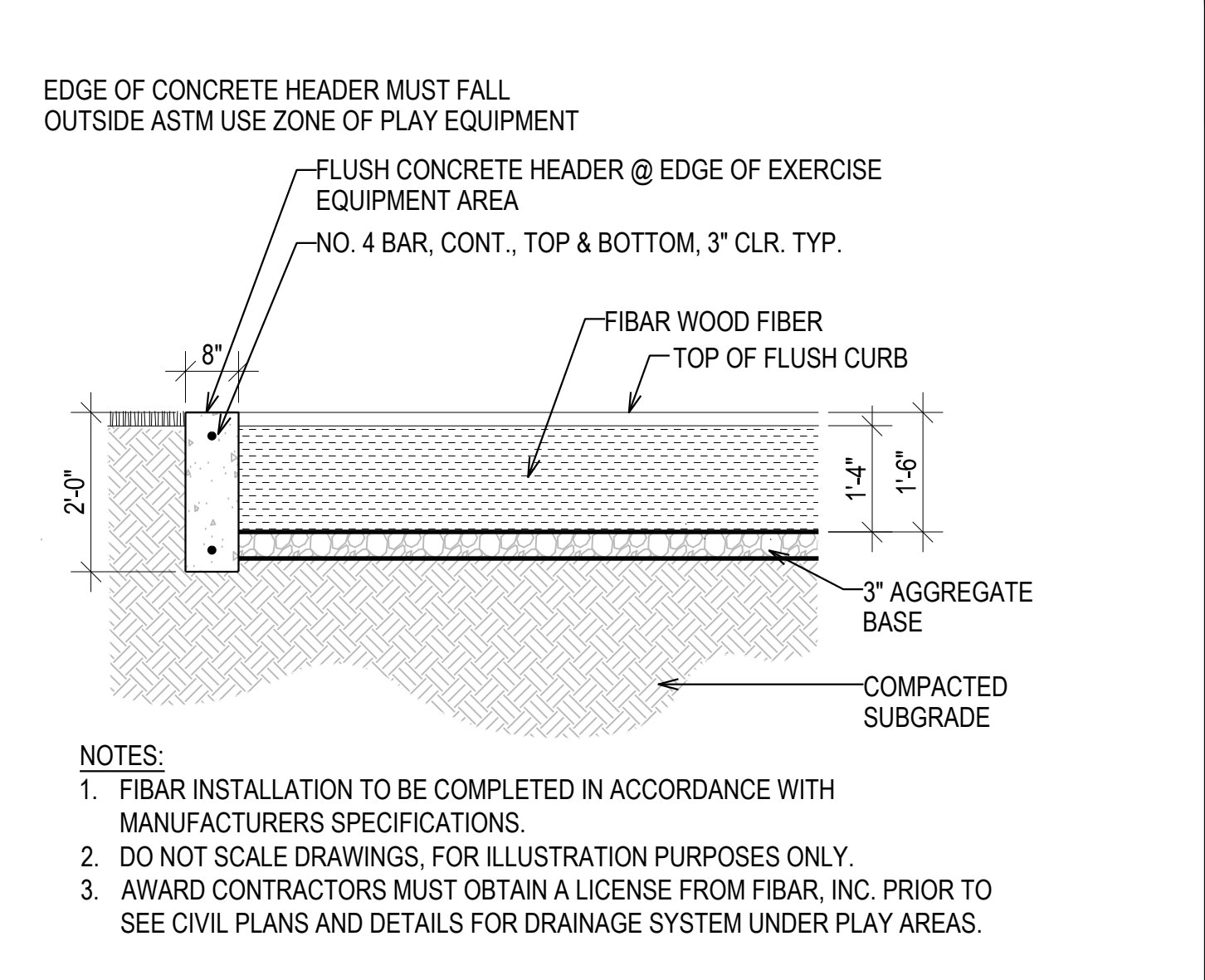
19 CITY STANDARD DETAIL - STREET CURB - REPAIRS AS NEEDED



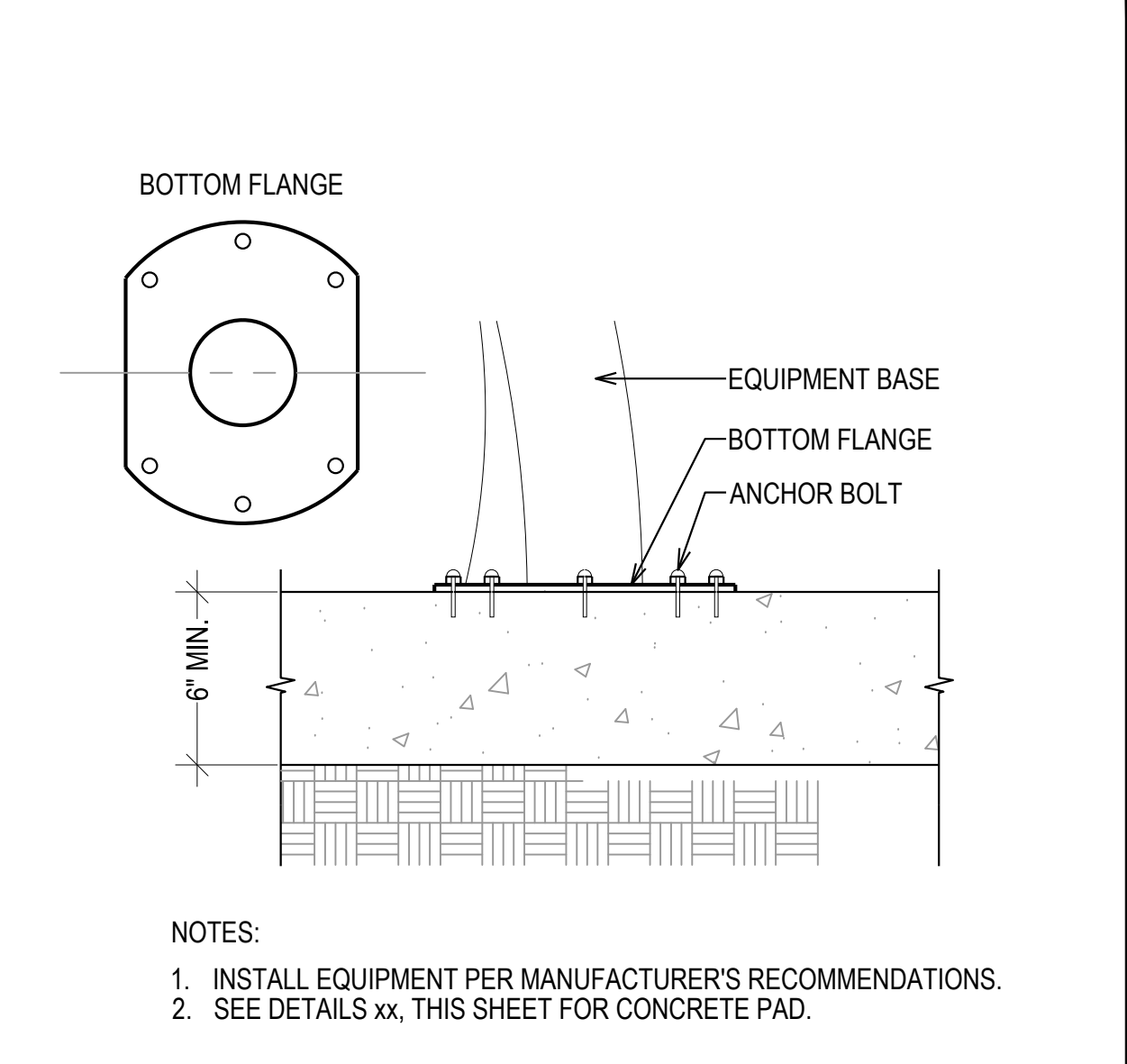
20 ADA PICNIC TABLE



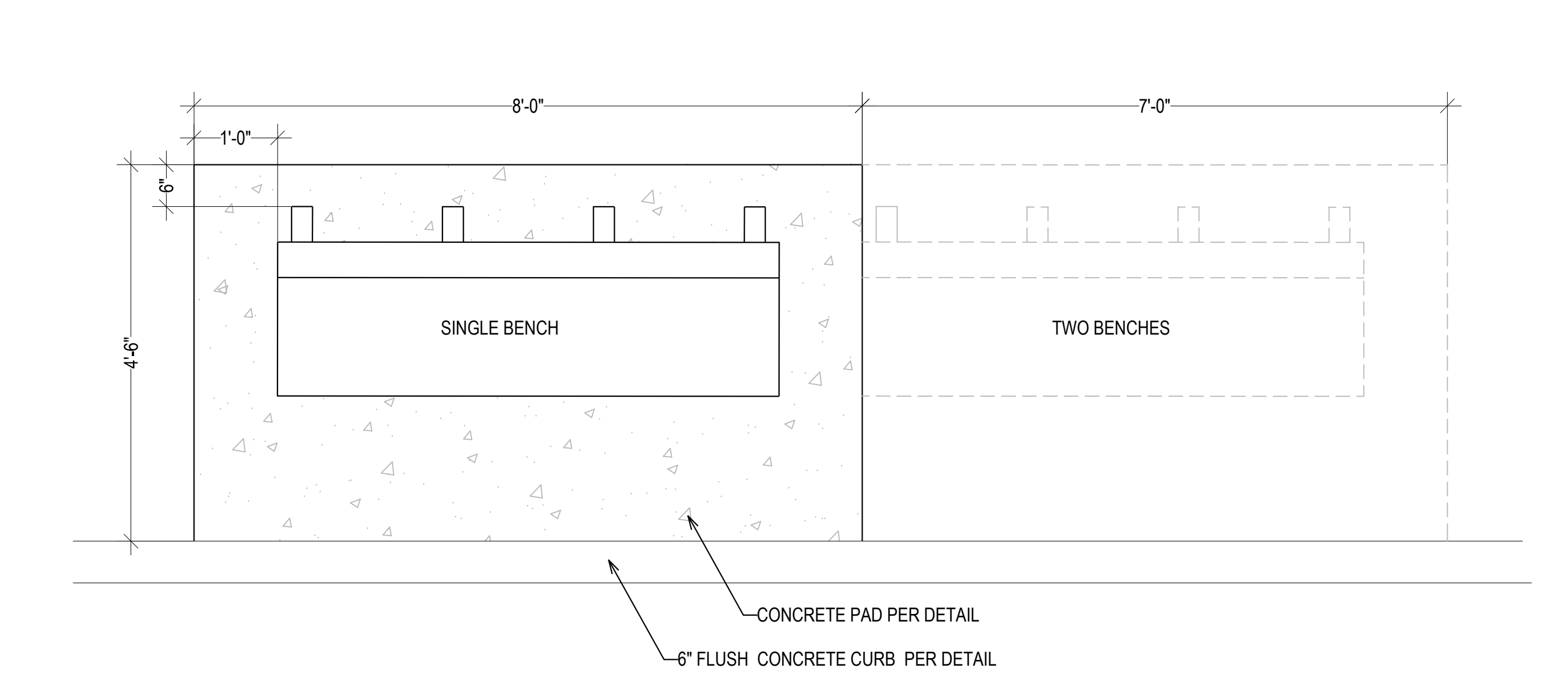
14 FITNESS ZONE PLAN



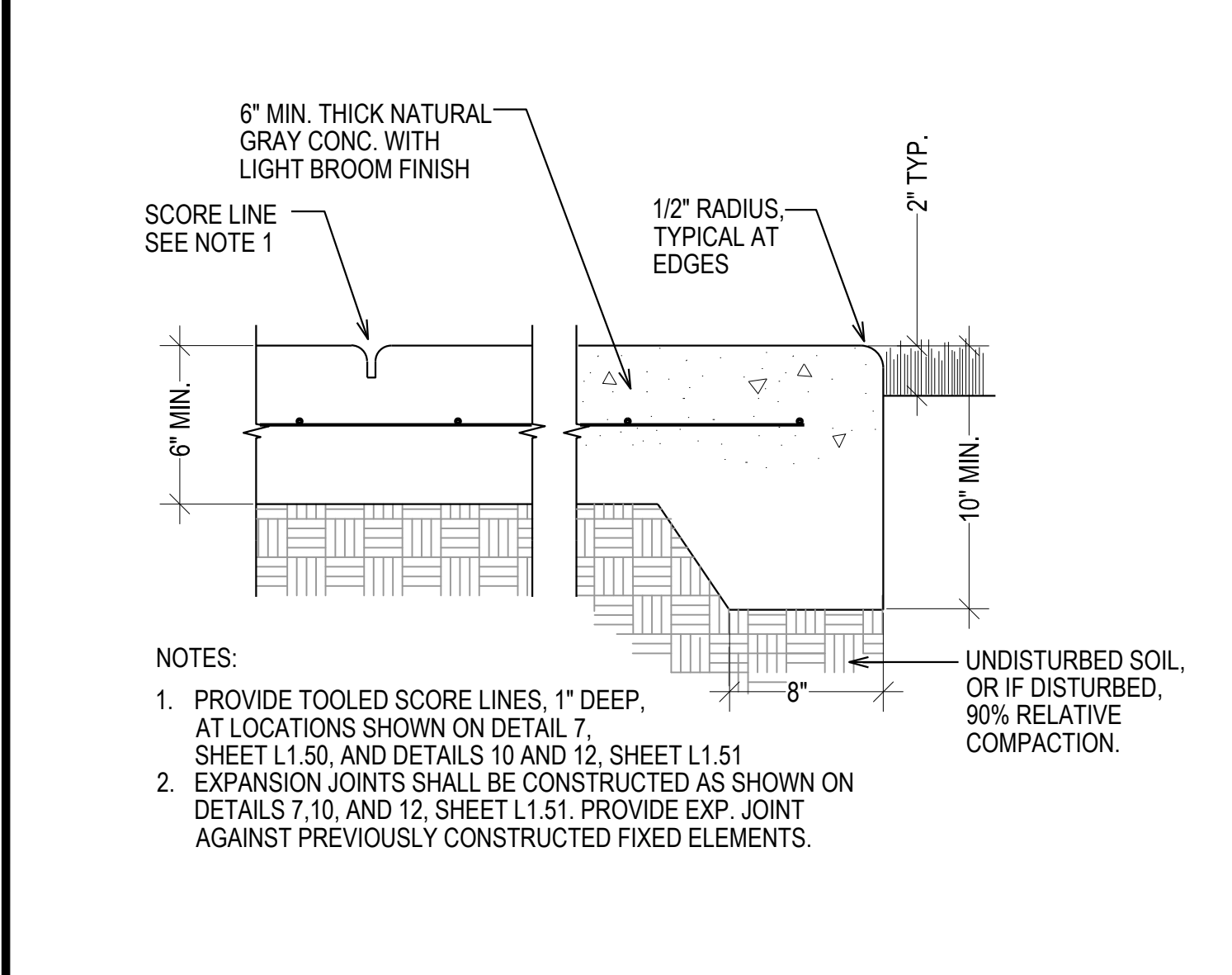
18 FIBAR INSTALLATION



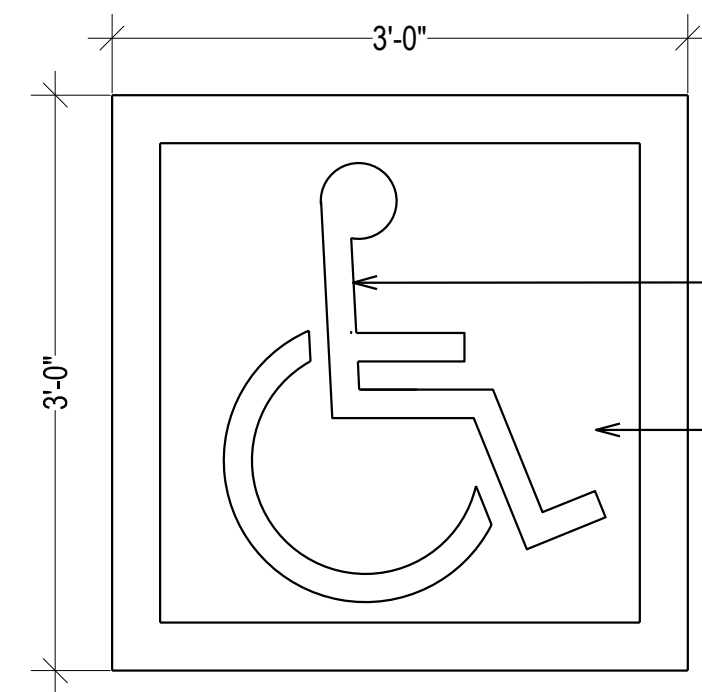
17 INSTALLATION OF FITNESS EQUIPMENT



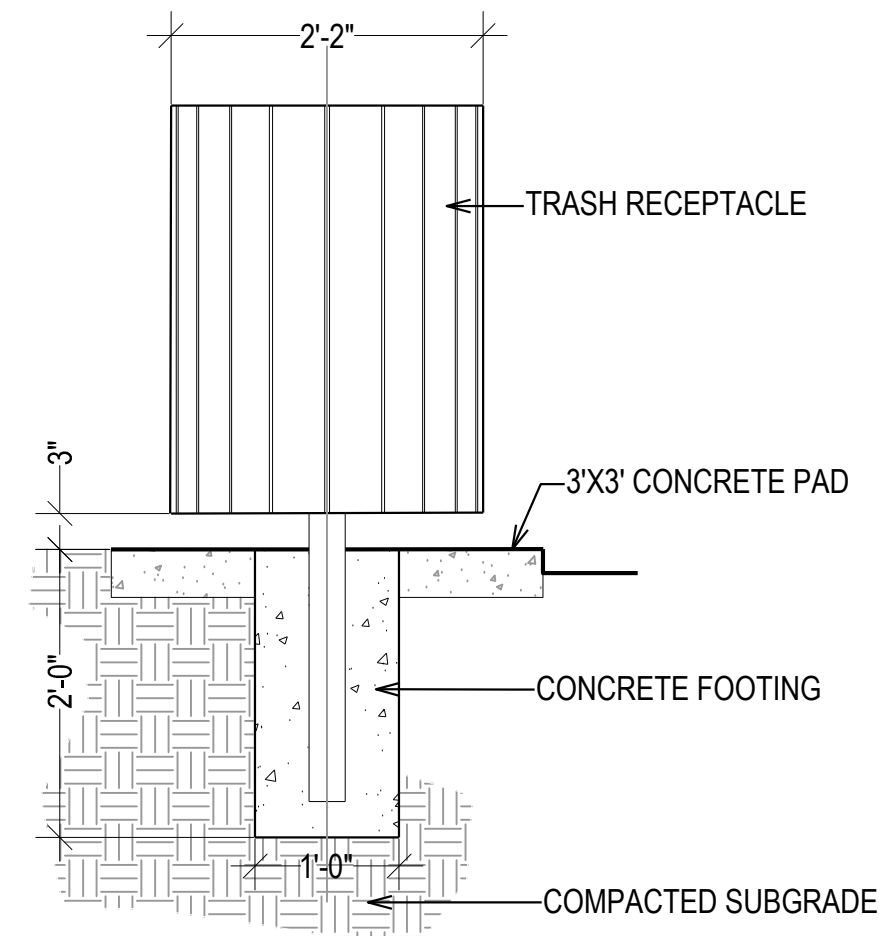
16 INSTALLATION OF BENCH



15 CONCRETE PAD FOR FITNESS EQUIPMENT



24 TRASH CAN INSTALLATION



23 TRASH CAN INSTALLATION

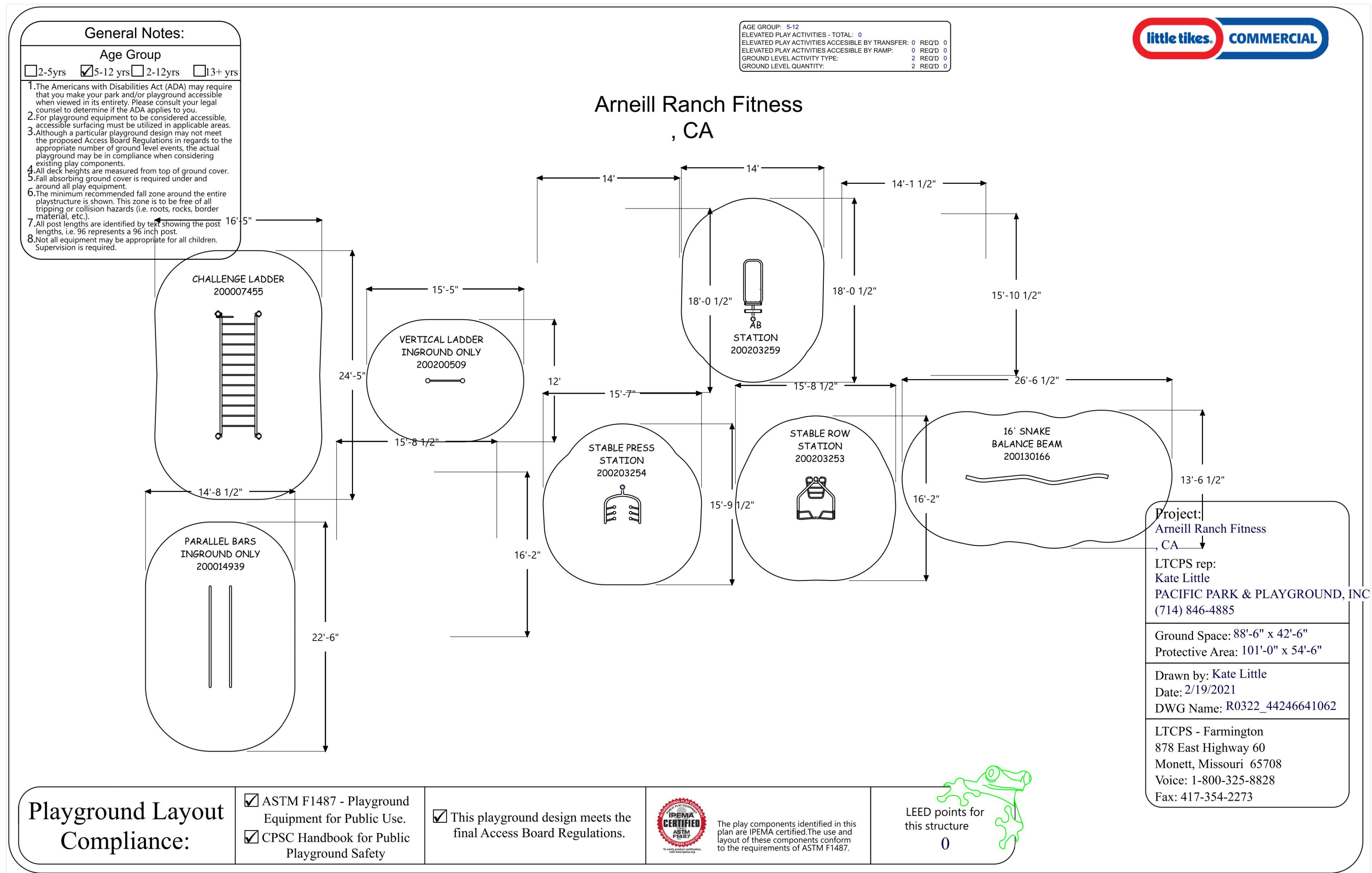


AB BENCH - 2x HORIZONTAL BAR STABLE PRESS VERTICAL LADDER STATION ROW CHIN UP BAR



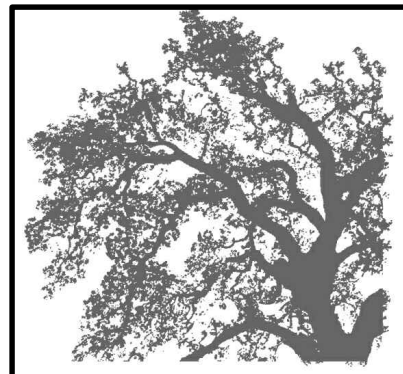
SNAKE BALANCE BEAM PARALLEL BARS ROSS ICE SHELF (STEPPER)

21 PROPOSED LITTLE TYKES EXERCISE EQUIPMENT



22 EXERCISE STATION EQUIPMENT - to be updated with final equipment selection





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IRRIGATION PLAN
MAINLINE, VALVES, CONDUITS, & OVER HEAD SPRINKLERS

PLEASANT VALLEY PARK & RECREATION DISTRICT
1605 E BURNLEY STREET
CAMARILLO, CA 93010

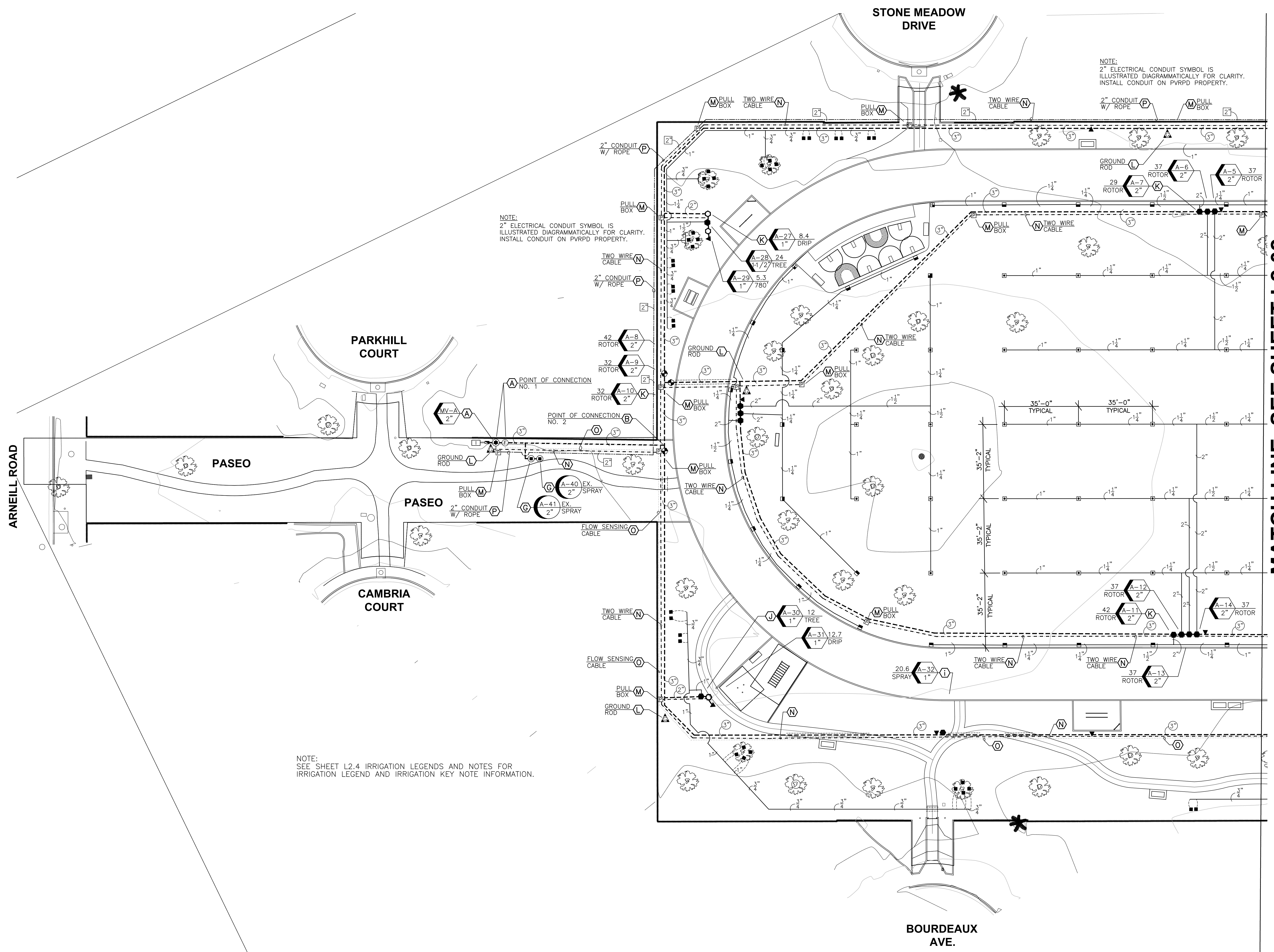
ARNEILL RANCH PARK
1301 SWEETWATER AVENUE
CAMARILLO, CA 93010

REVISIONS	DATE	PROJECT TITLE	OWNER
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DRAWN BY: JB
CHECKED BY: LW
PROJECT NO. 0964
DATE: 15 MAR 2021



SHEET 10 OF 23
L2.01

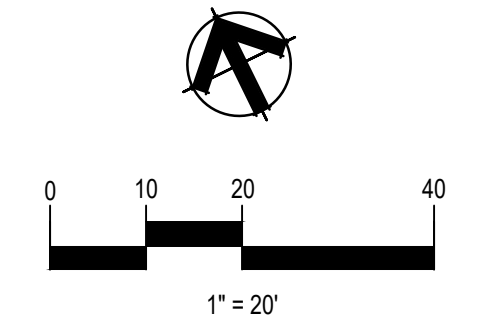


NOTE:
2" ELECTRICAL CONDUIT SYMBOL IS ILLUSTRATED DIAGRAMMATICALLY FOR CLARITY. INSTALL CONDUIT ON PVRPD PROPERTY.

NOTE:
2" ELECTRICAL CONDUIT SYMBOL IS ILLUSTRATED DIAGRAMMATICALLY FOR CLARITY. INSTALL CONDUIT ON PVRPD PROPERTY.

NOTE:
SEE SHEET L2.4 IRRIGATION LEGENDS AND NOTES FOR IRRIGATION LEGEND AND IRRIGATION KEY NOTE INFORMATION.

MATCH LINE, SEE SHEET L2.02



JORDAN, GILBERT & BAIN
LANDSCAPE ARCHITECTS, INC.
459 NORTH VENTURA AVE., VENTURA CA 93001
(805) 642-3641 FAX (805) 653-7874

Jordan, Gilbert & Bain Landscape Architects, Inc. © 2018

OWNER: PROJECT TITLE: DATE: REVISIONS:

NO.	DATE	DESCRIPTION
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DRAWN BY: JB
 CHECKED BY: LW
 PROJECT NO. 0964
 DATE: 15 MAR 2021



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 LANDSCAPE ARCHITECTS, INC.
 459 NORTH VENTURA AVE., VENTURA CA 93001
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 Jordan, Gilbert & Bain Landscape Architects, Inc. © 2018

MAXIMUM APPLIED WATER ALLOWANCE

MAWA = (Eto x 0.55 x Land. Area x 0.62) + Special Use (Eto x 1.0 x Land. Area x .62)
 Eto = reference evapotranspiration of Camarillo of 46.1 (inches per year)
 0.7 = evapotranspiration adjustment factor (standard number)
 Non Special Use Landscape Area. = total square feet of landscape area for the site (0)
 Special Use Area. = total square feet of landscape area identified as 'special use' (161,876)
 0.62 = conversion factor (to gallons per square foot)

MAWA = (46.1 x 0.55 x 0 x 0.62) = 0 gallons per year for landscape areas not considered special use
 MAWA = (46.1 x 1.0 x 161,876 x 0.62) = 4,626,740 gallons per year for special use areas

TOTAL MAWA FOR PROJECT SITE = 4,626,740 gallons per year

ESTIMATED APPLIED WATER USE FORMULA

EAWU = (Eto) x (.62) (PF x Land. Area)
 IE = irrigation efficiency (0.81 dripline tubing, 0.75 Rotor and spray nozzles)

Eto = reference evapotranspiration of Ventura of 46.1 (inches per year)
 0.62 = conversion factor (to gallons per square foot)
 PF = plant factor from WUCOLS
 LA = landscaped area covered by sprinkler valve (sq. ft.)
 IE = irrigation efficiency (0.81 dripline tubing, 0.75 Rotor and spray nozzles)

FULL SUN SHRUB AREA - DRIPLINE / POINT DRIP - LOW WATER USE PLANTS
 EAWU = (46.1) x (.62) (.3 x 31,745) = 336,050 GALLONS PER YEAR
 .81

FULL SUN SHRUB AREA - TREE FLOOD BUBBLERS - MEDIUM WATER USE PLANTS
 EAWU = (46.1) x (.62) (.6 x 3,000) = 63,516 GALLONS PER YEAR
 .81

FULL SUN SHRUB AREA - ROTATORS / SPRAY - MEDIUM WATER USE
 EAWU = (46.1) x (.62) (.5 x 19,377) = 369,222 GALLONS PER YEAR
 .75

FULL SUN KIKUYU TURF AREA - ROTATORS - MEDIUM WATER USE
 EAWU = (46.1) x (.62) (.5 x 107,754) = 2,053,217 GALLONS PER YEAR
 .75

IRRIGATION WATER USE SUMMARY

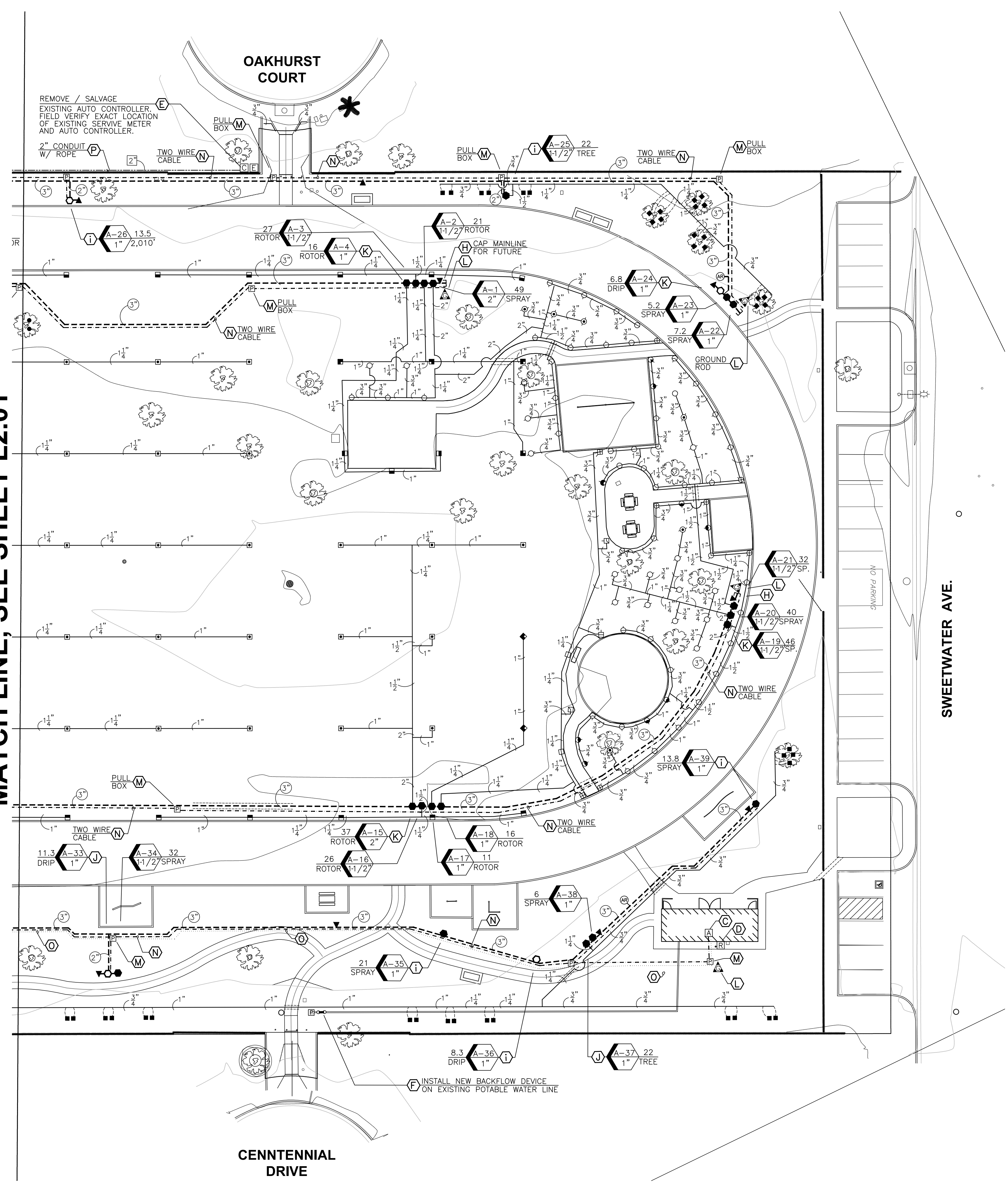
TOTAL EAWU = 2,822,005 GALLON PER YEAR
 TOTAL MAWA = 4,626,740 GALLON PER YEAR

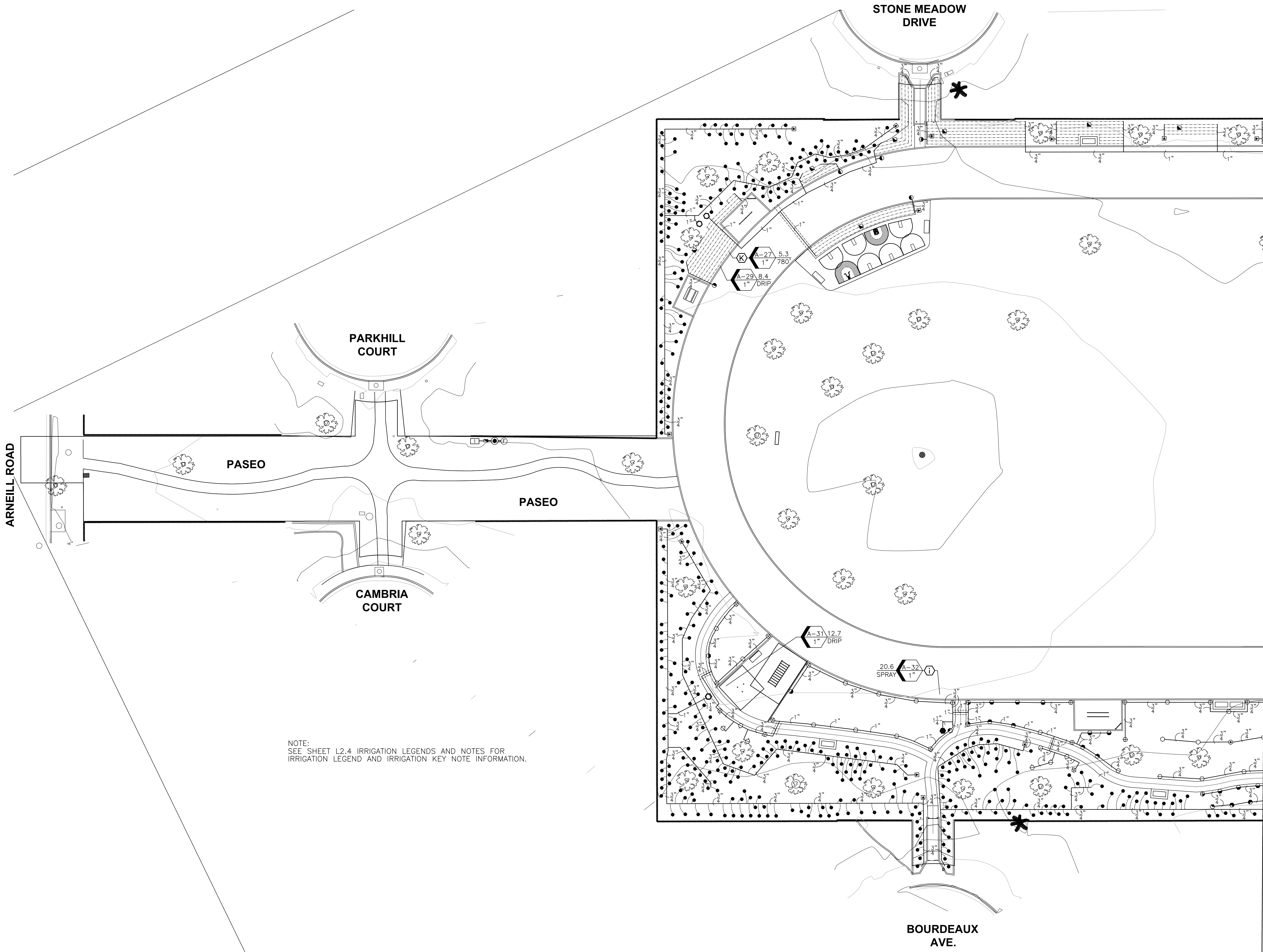
TOTAL VOLUME OF WATER UNDER MAWA = 1,804,735 GALLON PER YEAR
 39% BELOW MAXIMUM ALLOWABLE WATER USE VALUE

- GENERAL WATER USE INFORMATION**
1. THE PLEASANT VALLEY RECREATION AND PARKS DISTRICT IS VOLUNTARILY REDESIGNING THIS EXISTING PARK TO BETTER SERVE THE GENERAL PUBLIC AS WELL AS TO REDUCE IRRIGATION WATER USE FOR THIS SITE. PRESENTLY, THE ENTIRE SITE IS TURF. THE P.V.R.P.D. SHALL BE REMOVING APPROXIMATELY 53,827 SQ. FT. OF IRRIGATED TURF AND REPLACING IT WITH LOW WATER USING PLANTS IRRIGATED BY SUBTERRANEAN DRIPLINE TUBING SYSTEMS. THE EXISTING AUTO CONTROLLER WILL BE REPLACED WITH A NEW RAINMASTER EAGLE-I SERIES SMART AUTO CONTROLLER COMPATIBLE WITH THE P.V.R.P.D. EXISTING COMPUTERIZED SYSTEM. THE EXISTING TURF IRRIGATION SYSTEM SHALL BE COMPLETELY REPLACED WITH NEW ROTORS SPACED TO PROVIDE HEAD TO HEAD COVERAGE WITH ALL SPRINKLER HEADS SPECIFIED WITH CHECK VALVES. THE EXISTING SYSTEM SHALL BE PROVIDED WITH A NEW MASTER VALVE AND FLOW SENSOR.
 2. THE PLEASANT VALLEY RECREATION AND PARKS DISTRICT CURRENTLY OPERATES A RAINMASTER CENTRAL CONTROL COMPUTER OPERATED IRRIGATION SYSTEM WHICH MONITORS DAILY WEATHER CONDITIONS THROUGH OUT THE DISTRICT AND UPDATES IRRIGATION RUN TIMES AND WATER APPLICATION RATES ON A DAILY BASIS FOR EACH PARK SITE. PROVIDING IRRIGATION SCHEDULES FOR THIS PROJECT IS NOT REQUIRED OR ROUTINE MAINTENANCE PRACTICES ARE NOT REQUIRED.

NOTE:
 SEE SHEET L2.4 IRRIGATION LEGENDS AND NOTES FOR IRRIGATION LEGEND AND IRRIGATION KEY NOTE INFORMATION.

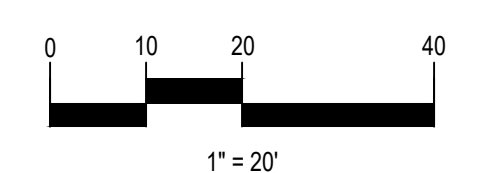
MATCH LINE, SEE SHEET L2.01





NOTE:
SEE SHEET L2.4 IRRIGATION LEGENDS AND NOTES FOR
IRRIGATION LEGEND AND IRRIGATION KEY NOTE INFORMATION.

MATCH LINE, SEE SHEET L2.04



JORDAN, GILBERT & BAIN
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20948 TULSA STREET
CHATSWORTH, CA 91311
818-291-0200
mail@withersandsandgren.com

IRRIGATION PLAN
DRIP IRRIGATION SYSTEM

PLEASANT VALLEY
PARK & RECREATION DISTRICT
1605 E BURNLEY STREET
CAMARILLO, CA 93010

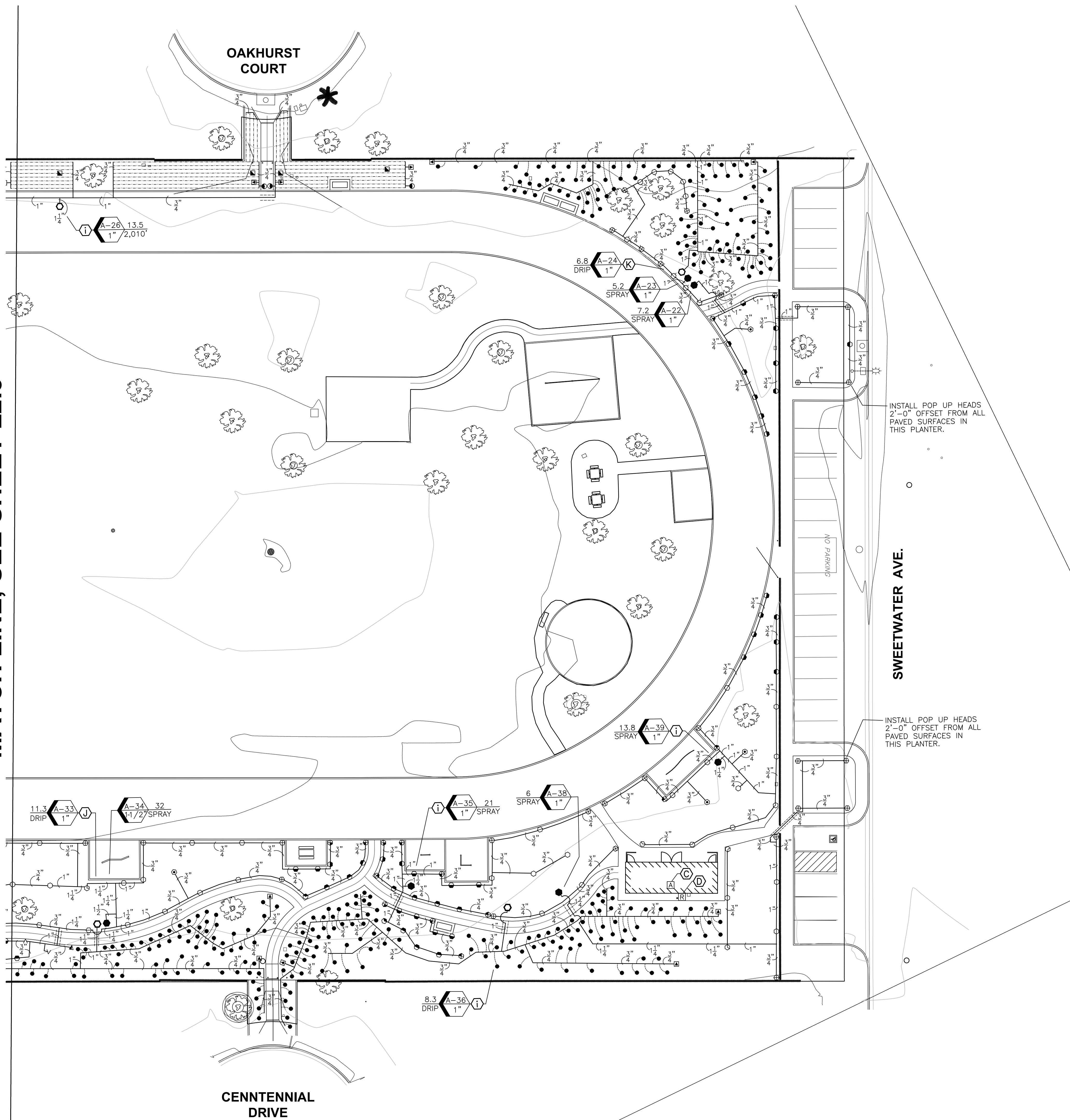
ARNEILL RANCH PARK
1301 SWEETWATER AVENUE
CAMARILLO, CA 93010

REVISIONS	DATE	PROJECT TITLE	OWNER	SHEET TITLE
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SHEET 12 OF 23
L2.03

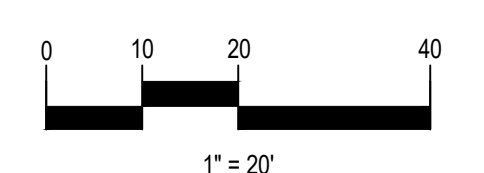
MATCH LINE, SEE SHEET L2.3



INSTALL POP UP HEADS
2'-0" OFFSET FROM ALL
PAVED SURFACES IN
THIS PLANTER.

INSTALL POP UP HEADS
2'-0" OFFSET FROM ALL
PAVED SURFACES IN
THIS PLANTER.

NOTE:
SEE SHEET L2.4 IRRIGATION LEGENDS AND NOTES FOR
IRRIGATION LEGEND AND IRRIGATION KEY NOTE INFORMATION.



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LANDSCAPE ARCHITECTS, INC.
459 NORTH VENTURA AVE., VENTURA CA 93001
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WITHERS & SANDGREN
LANDSCAPE ARCHITECTURE + PLANNING
20948 TULSA STREET
CHATSORTH, CA 91311
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IRRIGATION PLAN
DRIP IRRIGATION SYSTEM

PLEASANT VALLEY
PARK & RECREATION DISTRICT
1605 E BURNLEY STREET
CAMARILLO, CA 93010

ARNEIL RANCH PARK
1301 SWEETWATER AVENUE
CAMARILLO, CA 93010

REVISIONS	DATE	PROJECT TITLE	OWNER	SHEET TITLE
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DRAWN BY: JB
CHECKED BY: LW
PROJECT NO. 0964
DATE: 15 MAR 2021



SHEET 13 OF 23
L2.04

PROJECT KEY NOTES

IRRIGATION POINT OF CONNECTION NO. 1: EXCAVATE AND EXPOSE THE EXISTING 3" PVC IRRIGATION BACKFLOW DEVICE... REMOVE A 1-1/2" CREATIVE SENSOR TECHNOLOGIES FLOW SENSOR...

IRRIGATION POINT OF CONNECTION NO. 2: EXCAVATE AND EXPOSE THE EXISTING 3" PVC IRRIGATION MAINLINE AT THE END OF THE PASEO AREA THAT IS TO BE PROTECTED IN PLACE...

AUTO CONTROLLER 'A': INSTALL A RAIN MASTER EAGLE-1 SERIES TWO WIRE AUTO CONTROLLER IN A WALL MOUNTED STAINLESS STEEL SECURITY CABINET MODEL SA16-RM3-TW/PWR-CAC-AX/5YR/GTSV-150P+200/GR-K/(900)EV-CAB-SEN/...

INSTALL AUTO CONTROLLER REMOTE CONTROL ANTENNA ON TOP OF BUILDING ROOF INCLUDED WITH THE SITE ONE GREEN TECH ASSEMBLY MODEL NUMBER IS A REMOTE CONTROL ANTENNA EXTENSION KIT... THE KIT CONTAINS THE ANTENNA RECEIVER WITH 25 LINEAR FEET OF ANTENNA CABLE...

REMOVE (1) EXISTING AUTO CONTROLLER AND RETURN TO P.V.R.P.D. REPRESENTATIVE REMOVE (1) EXISTING AUTO CONTROLLER 'C' HOUSED WITHIN A STEEL SECURITY ENCLOSURE COMPLETELY...

INSTALL 3/4" REDUCE PRESSURE BACKFLOW DEVICE ONTO EXISTING DOMESTIC LINE EXCAVATE AND EXPOSE THE EXISTING COPPER DOMESTIC SERVICE LINE APPROXIMATELY 24" DOWNSTREAM OF THE EXISTING 3/4" DOMESTIC WATER METER PRESENTLY SERVING THE RESTROOM BUILDING...

EXISTING IRRIGATION REMOTE CONTROL VALVE - CONVERT TO TWO WIRE SYSTEM: LOCATE EXISTING REMOTE CONTROL VALVE, SIZE NOTED, IN A PLASTIC VALVE BOX WITHIN LANDSCAPE PLANTER...

CAP MAINLINE & LOOP A 5'-0" LONG TWO WIRE CABLE IN A VALVE BOX FOR FUTURE EXTEND A 5'-0" LONG MAINLINE SEGMENT PAST THE LAST REMOTE CONTROL VALVE INSTALLED ON THE NEW MAINLINE...

INSTALL (1) RAIN MASTER RMD-1 SINGLE STATION DECODER WITH NEW R.C.V.'S INSTALL (1) RAINMASTER SINGLE STATION TWO WIRE VALVE DECODER, MODEL TW-D-1 (RMD-1), WITH NEW REMOTE CONTROL VALVE INSTALLATION...

INSTALL (1) RAIN MASTER RMD-2 TWO STATION DECODER FOR TWO NEW R.C.V.'S INSTALL (1) RAINMASTER TWO STATION TWO WIRE VALVE DECODER, MODEL TW-D-2 (RMD-2), WITH NEW REMOTE CONTROL VALVE INSTALLATION CAPABLE ON ACTIVATING TWO NEW REMOTE CONTROL VALVE ASSEMBLIES...

INSTALL (1) RAIN MASTER RMD-4 FOUR STATION DECODER FOR FOUR NEW R.C.V.'S INSTALL (1) RAINMASTER FOUR STATION TWO WIRE VALVE DECODER, MODEL TW-D-4 (RMD-4), WITH NEW REMOTE CONTROL VALVE INSTALLATION CAPABLE ON ACTIVATING FOUR NEW REMOTE CONTROL VALVE ASSEMBLIES...

INSTALL LIGHTNING GROUNDING EQUIPMENT ON TWO WIRE CABLE INSTALL THE FOLLOWING RAIN MASTER EQUIPMENT ATTACHED TO THE TWO WIRE CABLE RUN TO GROUND THE CABLE IN THE EVENT OF AN ELECTRICAL SURGE CREATED AS A RESULT OF A LIGHTNING STRIKE...

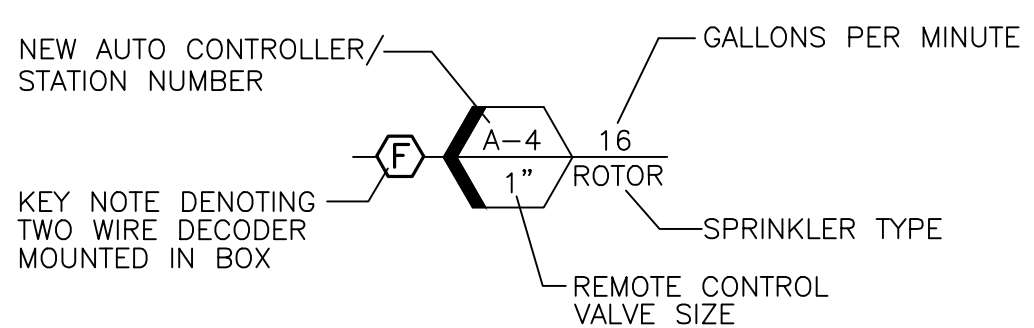
TWO WIRE CABLE PULL BOX OR TWO WIRE CABLE SPLICE BOX INSTALL STANDARD GREEN COLORED RECTANGULAR VALVE BOXES OVER THE 1-1/4" SCH. 40 PVC ELECTRICAL CONDUIT...

TWO WIRE CABLE INSTALLED IN 1-1/4" SCH. 40 CONTINUOUS ELECTRICAL CONDUIT INSTALL TWO WIRE CABLE, RAIN MASTER MODEL TW-CAB-14, IN A CONTINUOUS 1-1/4" SCH. 40 PVC ELECTRICAL CONDUIT AT 24" BELOW GRADE...

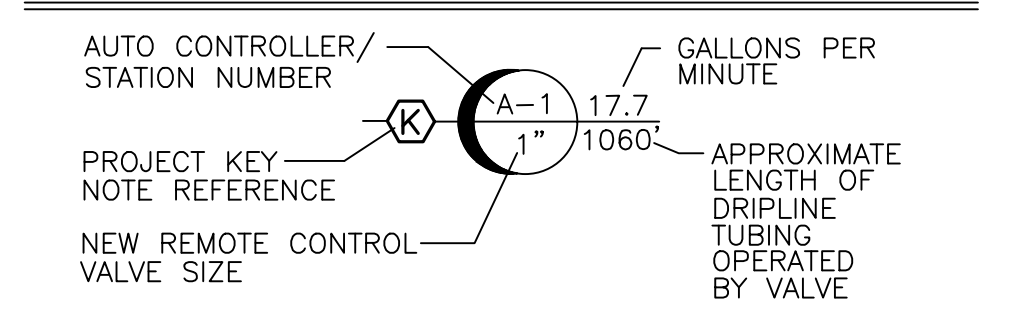
FLOW SENSING CABLE INSTALLED IN 1" SCH. 40 CONTINUOUS ELECTRICAL CONDUIT INSTALL FLOW SENSING CABLE, RAIN MASTER MODEL EV-CAB-14, IN A CONTINUOUS 1" SCH. 40 PVC ELECTRICAL CONDUIT AT 24" BELOW GRADE...

INSTALL 2" SCH. 40 PVC ELECT. CONDUIT WITH 3/4" NYLON PULL ROPE FOR FUTURE TRENCH AND INSTALL A 2" SCH. 40 PVC ELECTRICAL CONDUIT ORIGINATING FROM THE EXISTING ELECTRICAL SERVICE METER TO THE EXISTING 3" BACKFLOW DEVICE...

NEW REMOTE CONTROL VALVE INSTALLED ON NEW MAINLINE KEY



EXISTING REMOTE CONTROL VALVE KEY PROTECT IN PLACE



IRRIGATION SLEEVING SCHEDULE

Table with 3 columns: MAINLINE OR / LATERAL PIPE SIZE, SLEEVE SIZE REQUIRED. Lists various pipe sizes like 3/4" SCH. 40 PVC, 1" SCH. 40 PVC, 1 1/2" SCH. 40 PVC, etc.

IRRIGATION CALCULATIONS

Table with 3 columns: DESCRIPTION, A-1 49 GPM, A-15 37 GPM. Includes calculations for static water pressure, losses from meters, valves, and friction, resulting in operating water pressures of 60.0, 60.0, and 35.2 PSI.

JORDAN, GILBERT & BAIN LANDSCAPE ARCHITECTS, INC. 459 NORTH VENTURA AVE., VENTURA CA 93001 (805) 642-3641 FAX (805) 653-7874

IRRIGATION PROJECT NOTES

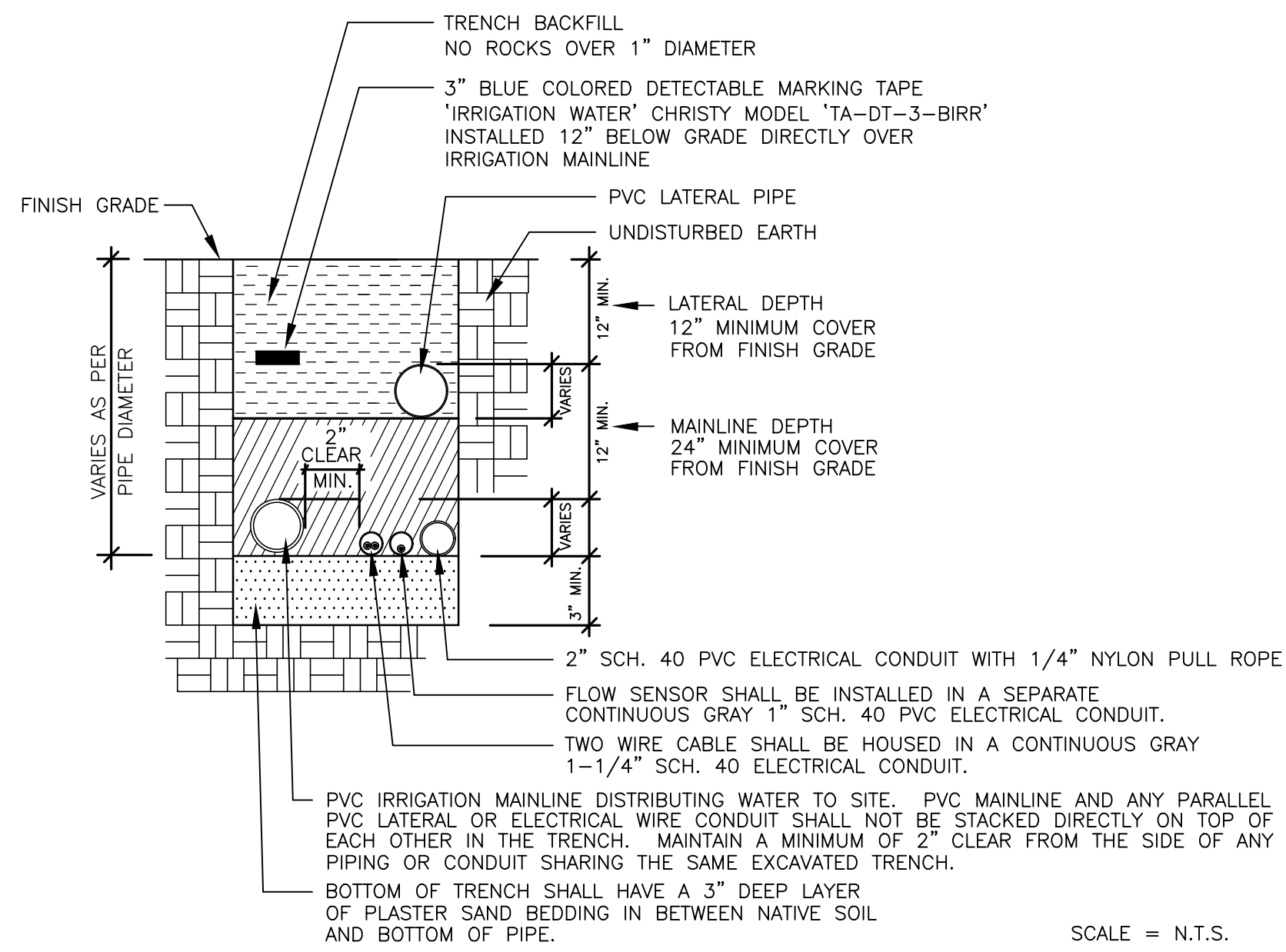
- 1. PRIOR TO BEGINNING ANY WORK, THE CONTRACTOR AND THE P.V.R.P.D. REPRESENTATIVE SHALL PARTICIPATE IN A THOROUGH IRRIGATION SYSTEM REVIEW OF THE PROJECT SITE... ALL REMOTE CONTROL VALVES IDENTIFIED TO BE PROTECTED IN PLACE SHALL BE TURNED ON AND OBSERVED IN OPERATION BY BOTH THE CONTRACTOR AND P.V.R.P.D. REPRESENTATIVE WITHIN AND ADJACENT TO THE DEFINED SCOPE OF WORK...

IRRIGATION LEGEND

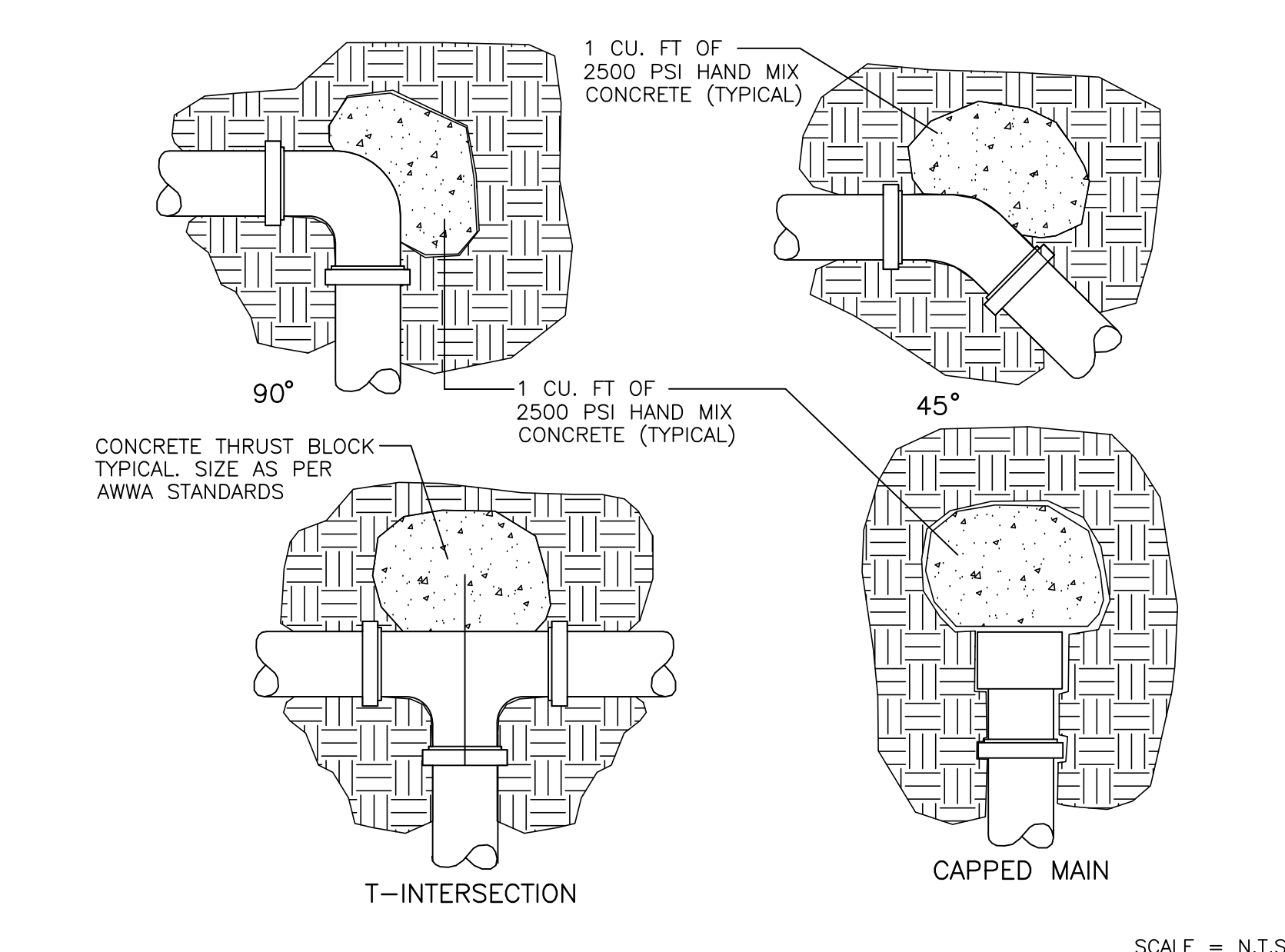
Legend table listing symbols and descriptions for various irrigation components: SLEEVING, EXISTING MAINLINE, EXISTING POTABLE WATER, NEW MAINLINE, NEW LATERAL, TWO WIRE CABLE, DRIPLINE TUBING, FLOW SENSING CABLE, ELECTRICAL CONDUIT, IRRIGATION WATER METER, POTABLE WATER METER, EX. AUTO CONTROLLER, NEW AUTO CONTROLLER, EX. IRRIGATION BACKFLOW, NEW POTABLE BACKFLOW, REMOTE CONTROL VALVE, DRIP REMOTE CONTROL VALVE ASSEMBLY W/ FILTERS, SCH. 80 PVC BALL VALVE, QUICK COUPLER, IRRIGATION UNIVERSAL AIR VALVE, EXISTING REMOTE CONTROL VALVE, CABLE / WIRE PULL BOX, 2 WIRE GROUNDING DETAIL / LIGHTNING ARRESTOR, DRIP SYSTEM FLUSH VALVE, DRIP AIR/VACUUM RELIEF VALVE, DRIP SYSTEM INDICATOR, CAPPED MAINLINE, REMOTE CONTROL ANTENNA.

Main irrigation schedule table with columns: Q, T, H, T, F, DESCRIPTION, MANUFACTURER, MODEL / REMARKS, PSI, RAD, GPM, GPM, GPM, GPM, GPM, GPM. Lists equipment like POP UP TURF SPRAY, ROTOR, and various drippers with their respective specifications.

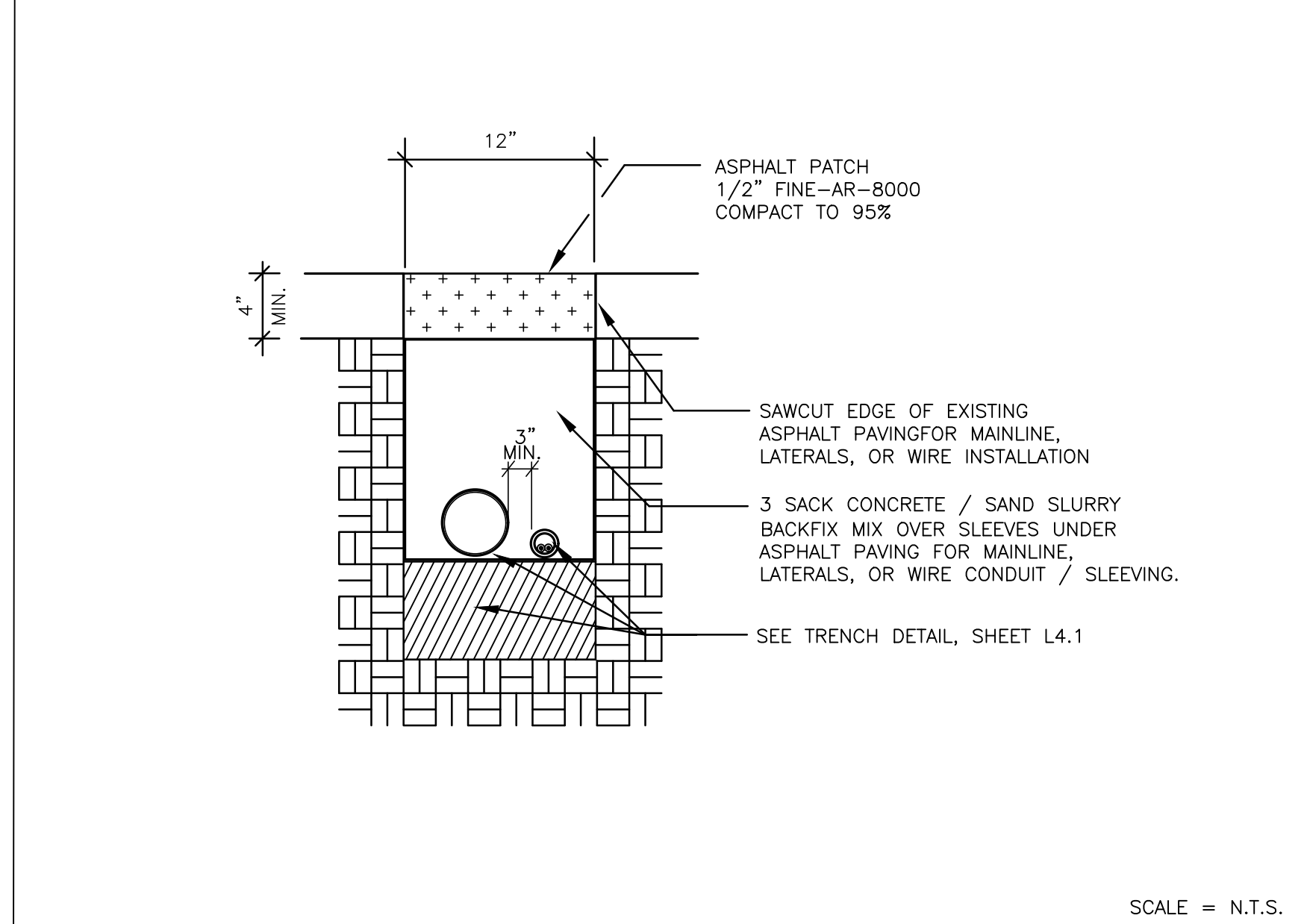
Withers & Sandgren Landscape Architecture + Planning. 20948 TULSA STREET CHATSWORTH, CA 91311. Includes project title 'ARNEILL RANCH PARK PARK & RECREATION DISTRICT' and sheet number 'SHEET 14 OF 23 L2.05'.



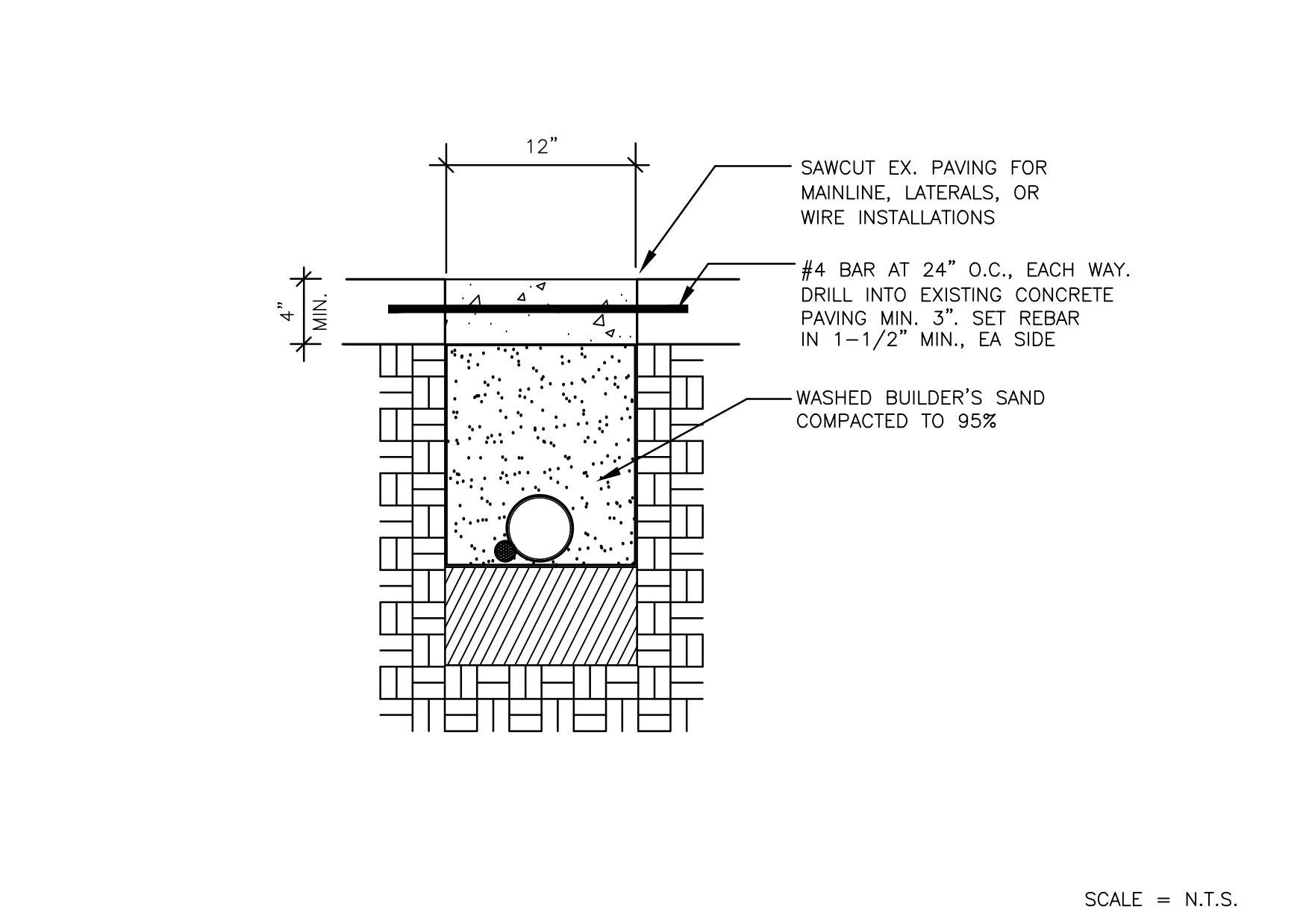
1 IRRIGATION PIPE AND CONDUIT TRENCH SECTION



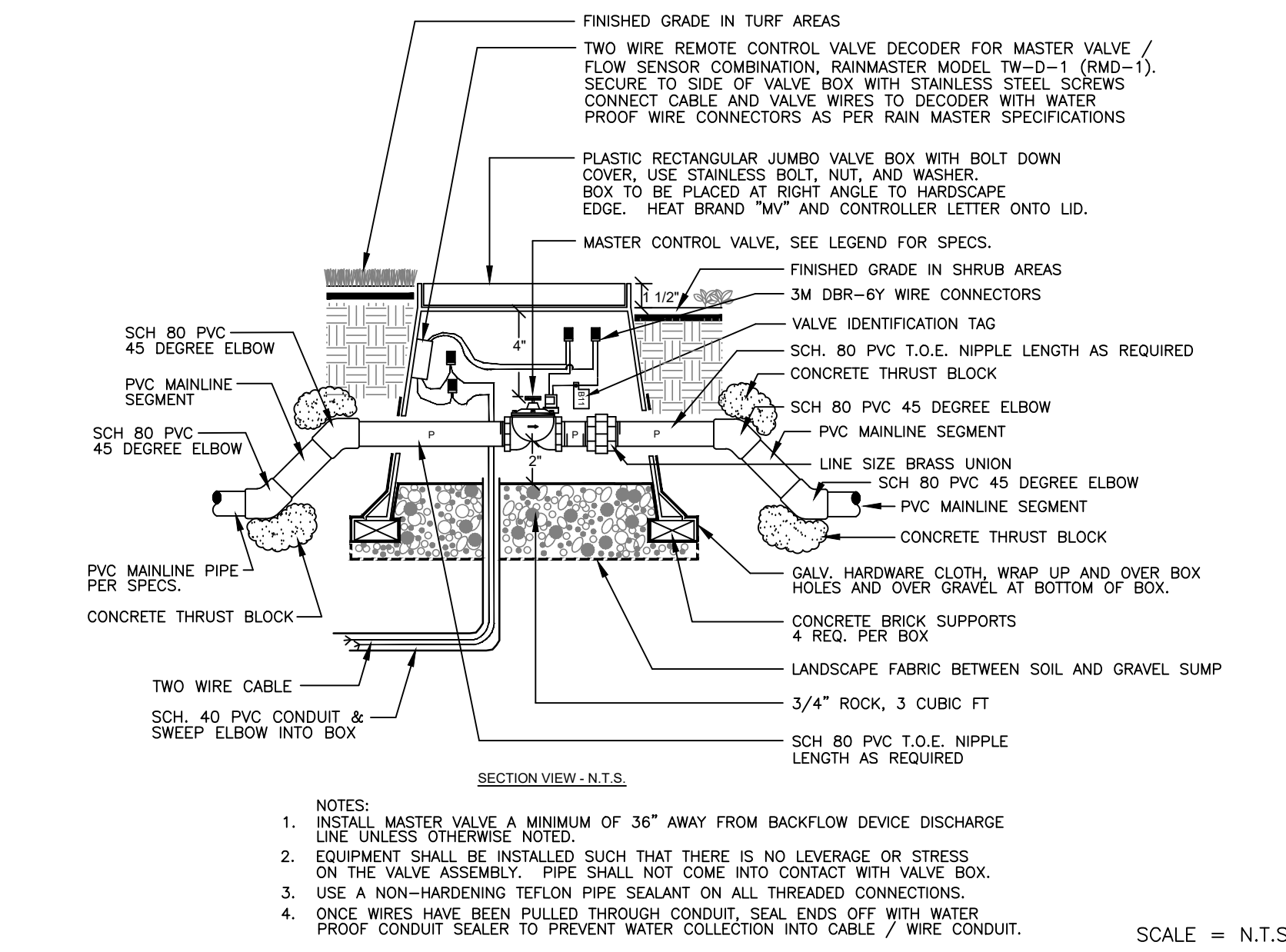
2 CONCRETE THRUST BLOCK ON MAINLINE



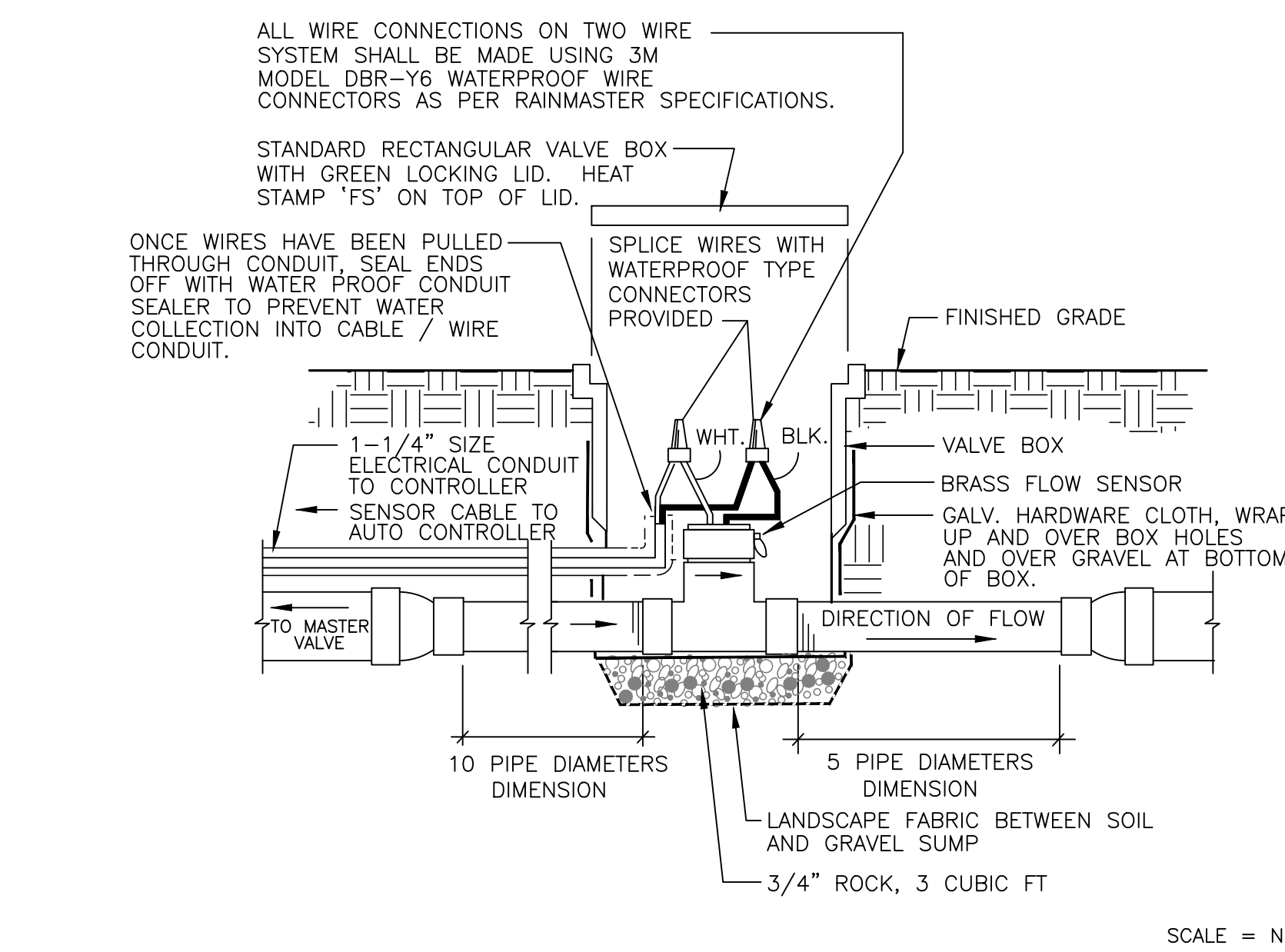
3 TRENCH WITH ASPHALT CUT



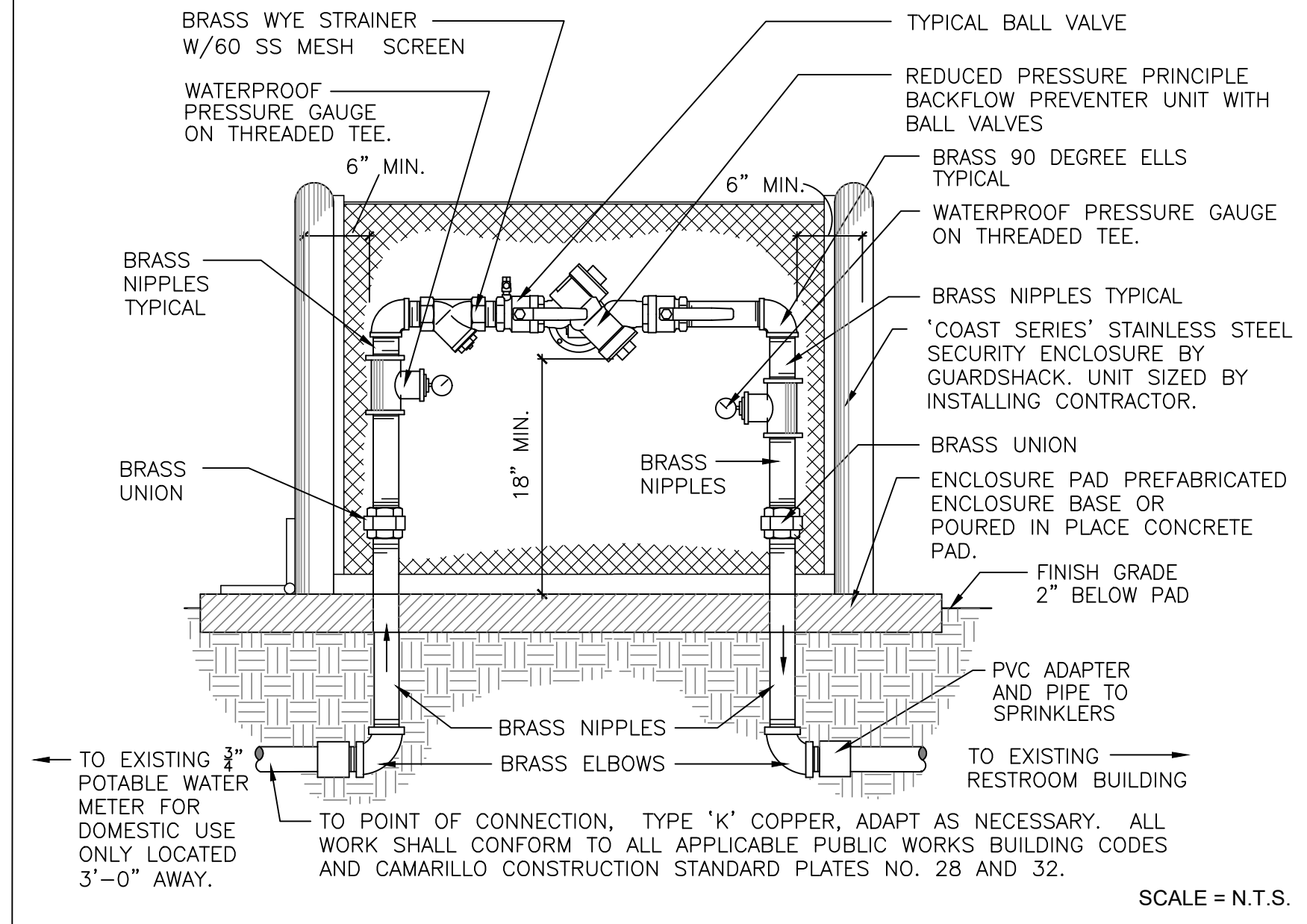
4 TRENCH WITH CONCRETE SIDEWALK CUT



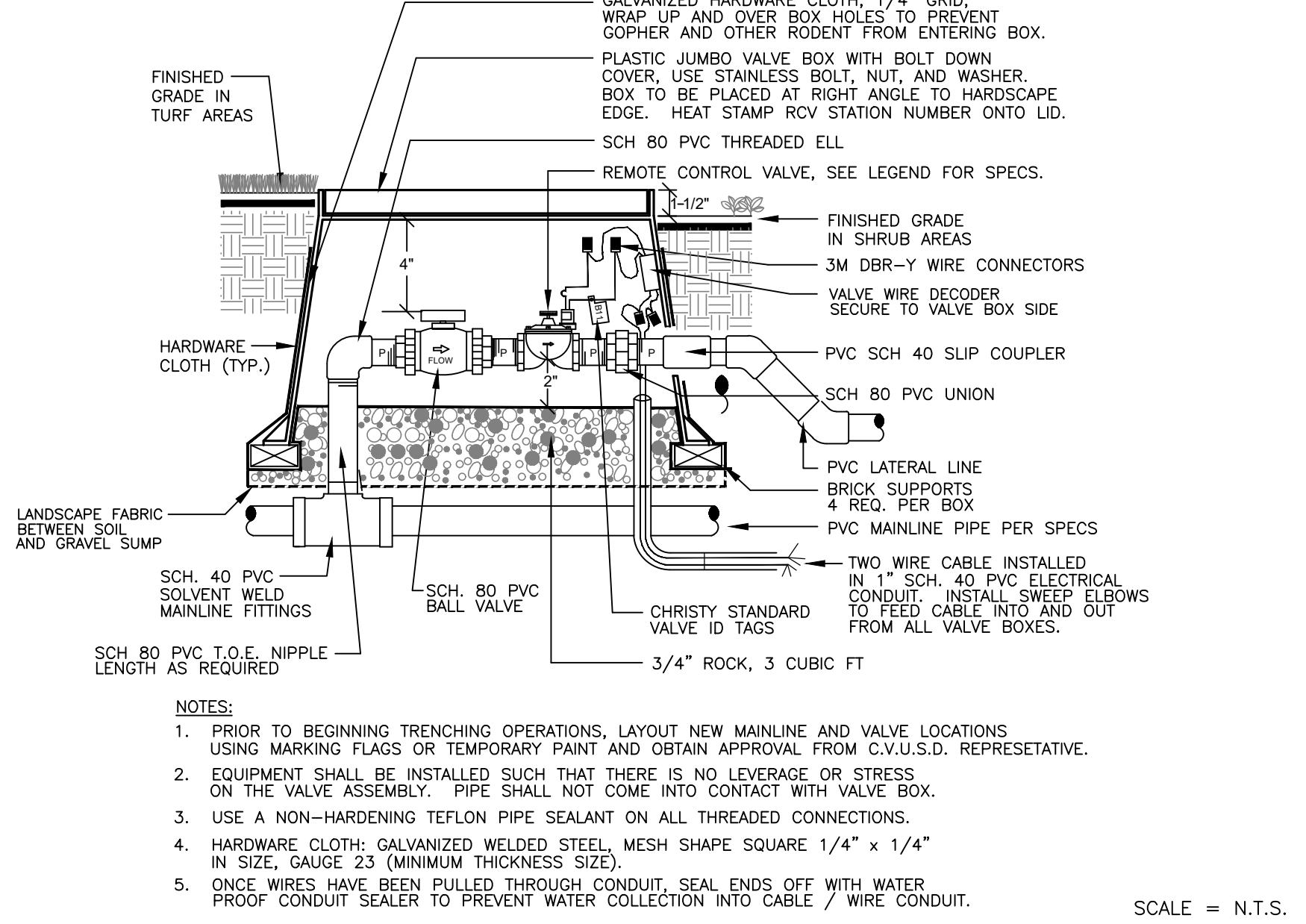
5 NORMALLY OPEN MASTER VALVE



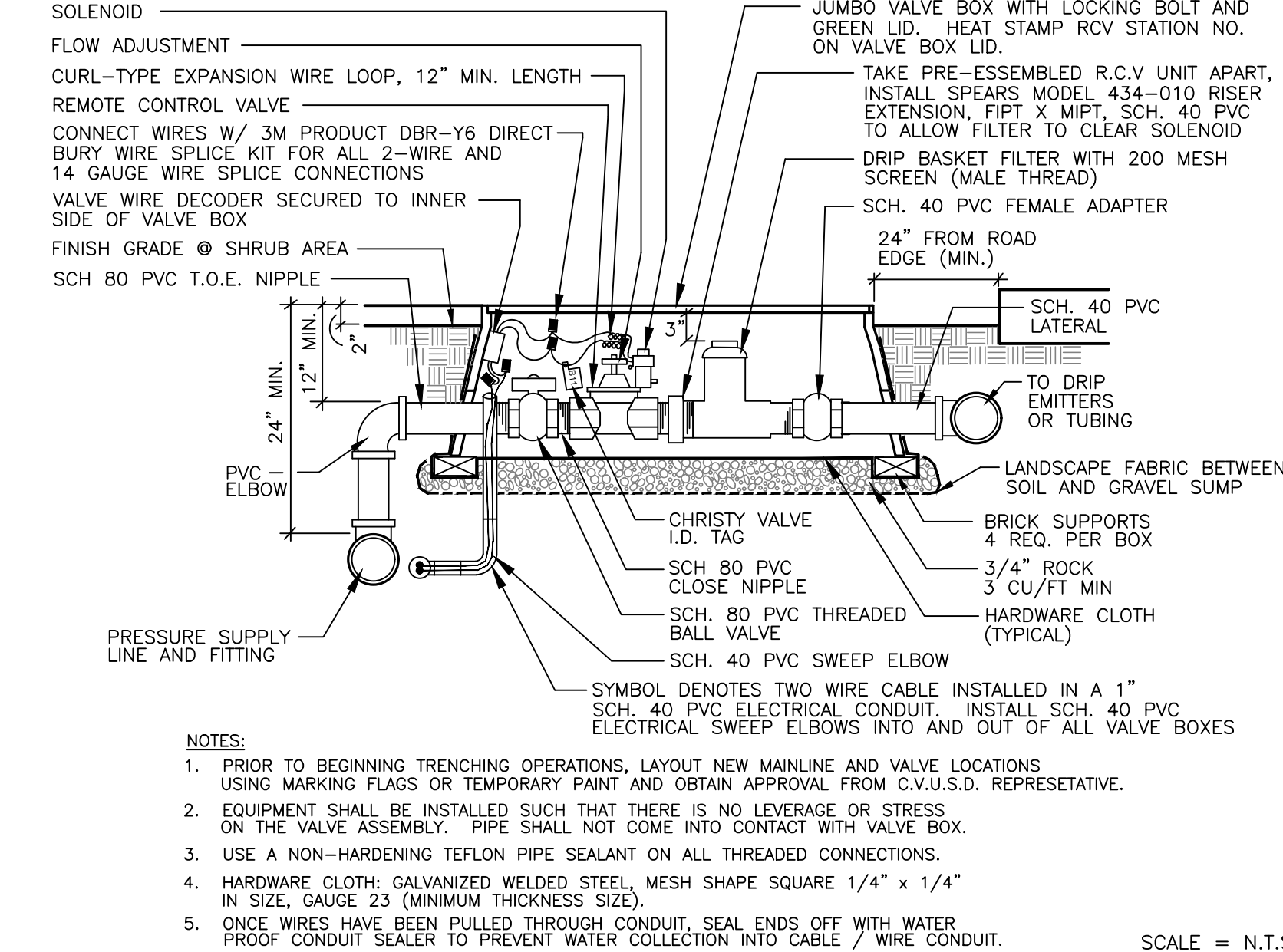
6 FLOW SENSOR ON MAINLINE



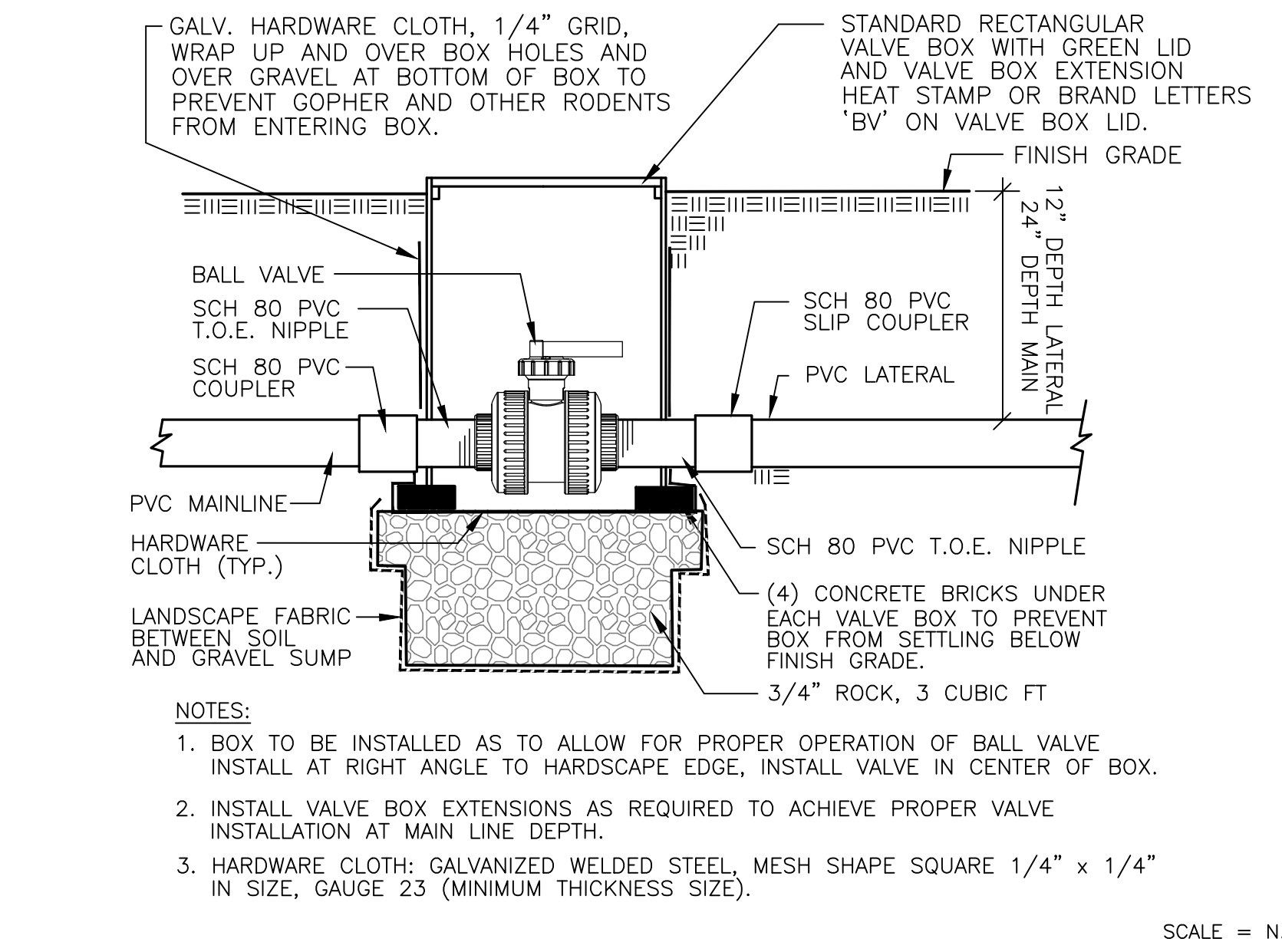
7 REDUCED PRESSURE BACKFLOW ASSEMBLY IN SECURITY ENCLOSURE



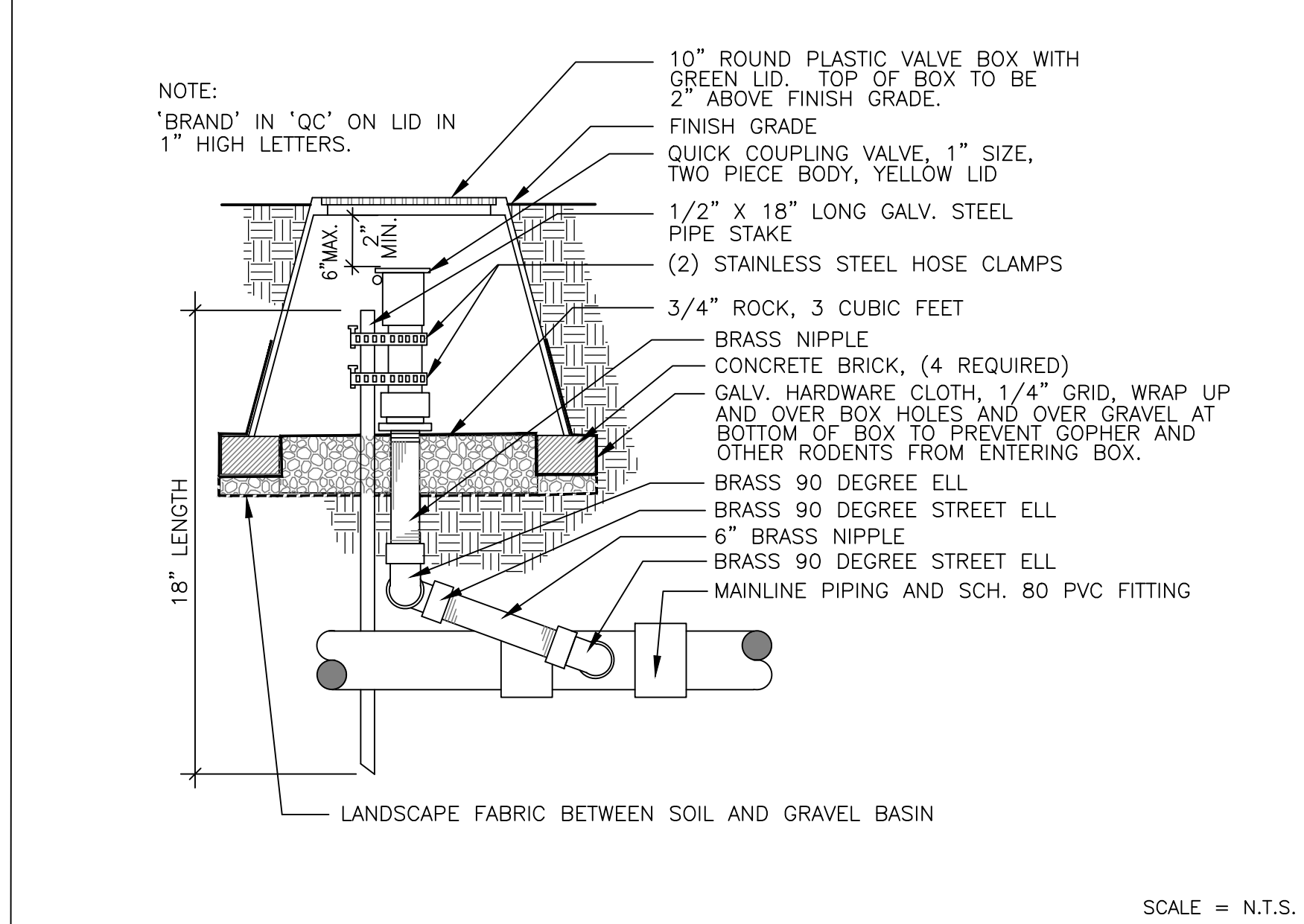
8 REMOTE CONTROL VALVE - TWO WIRE SYSTEM



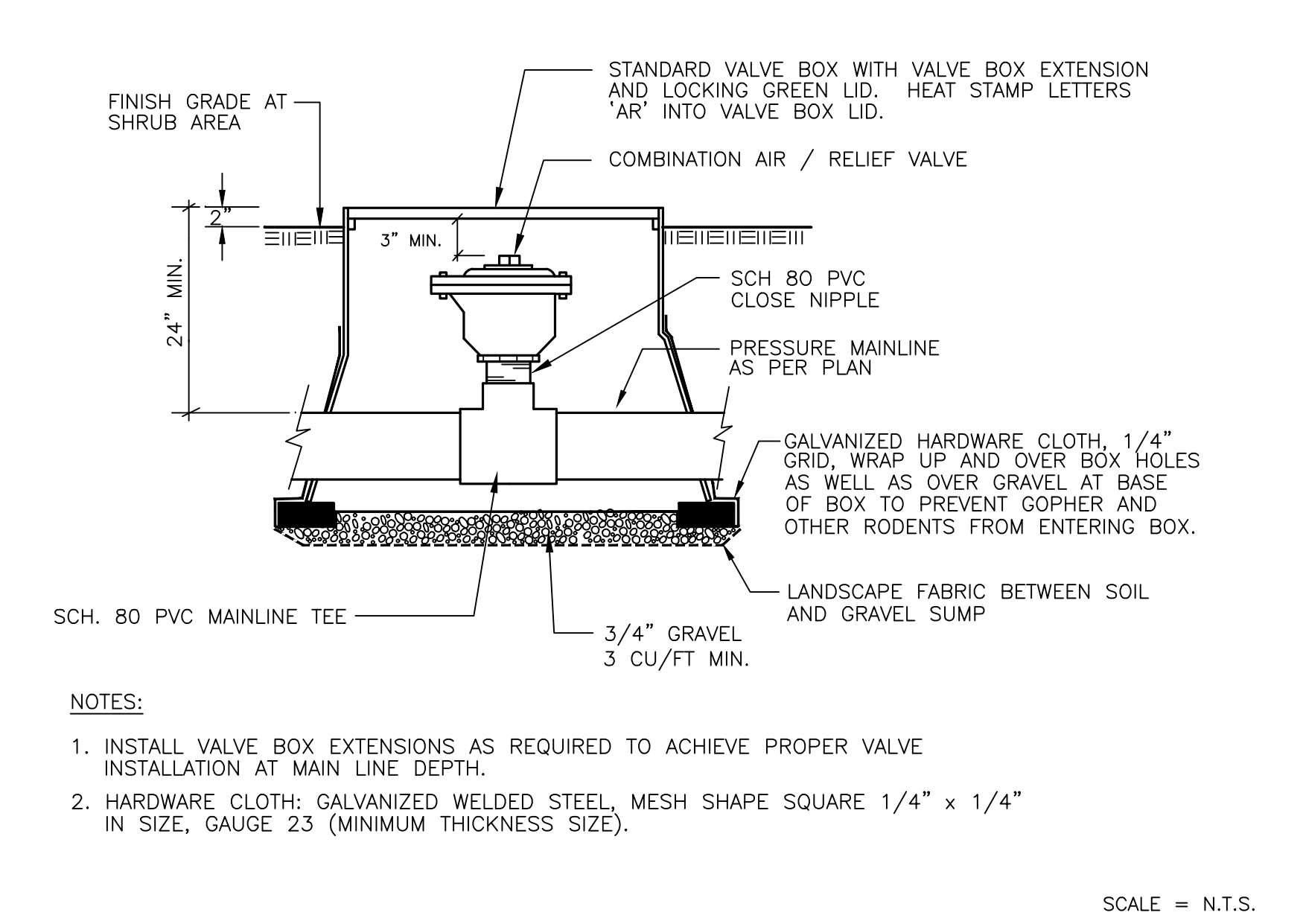
9 DRIP REMOTE CONTROL VALVE ASSEMBLY



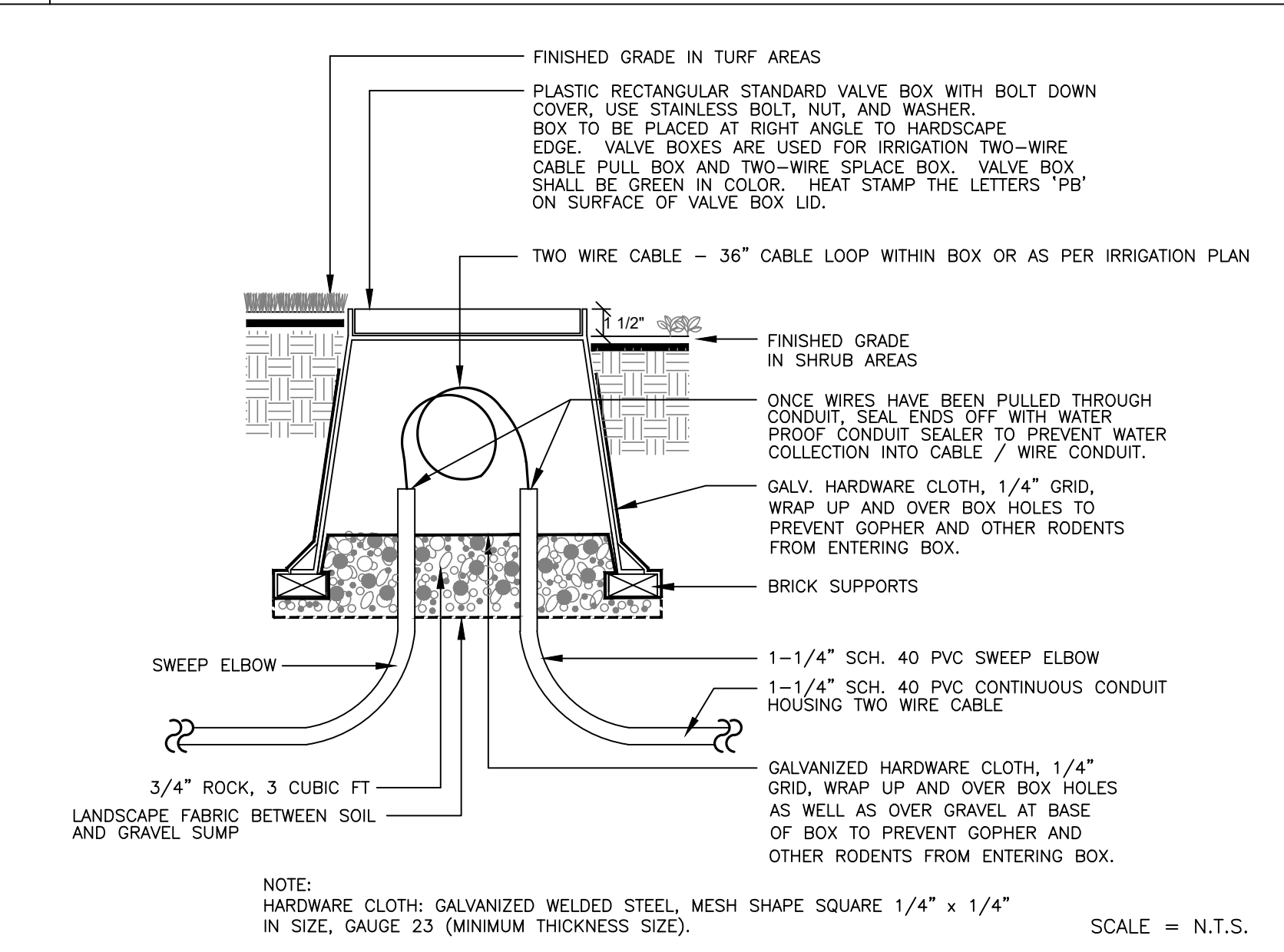
10 SCH. 80 PVC BALL VALVE ON PVC MAINLINE



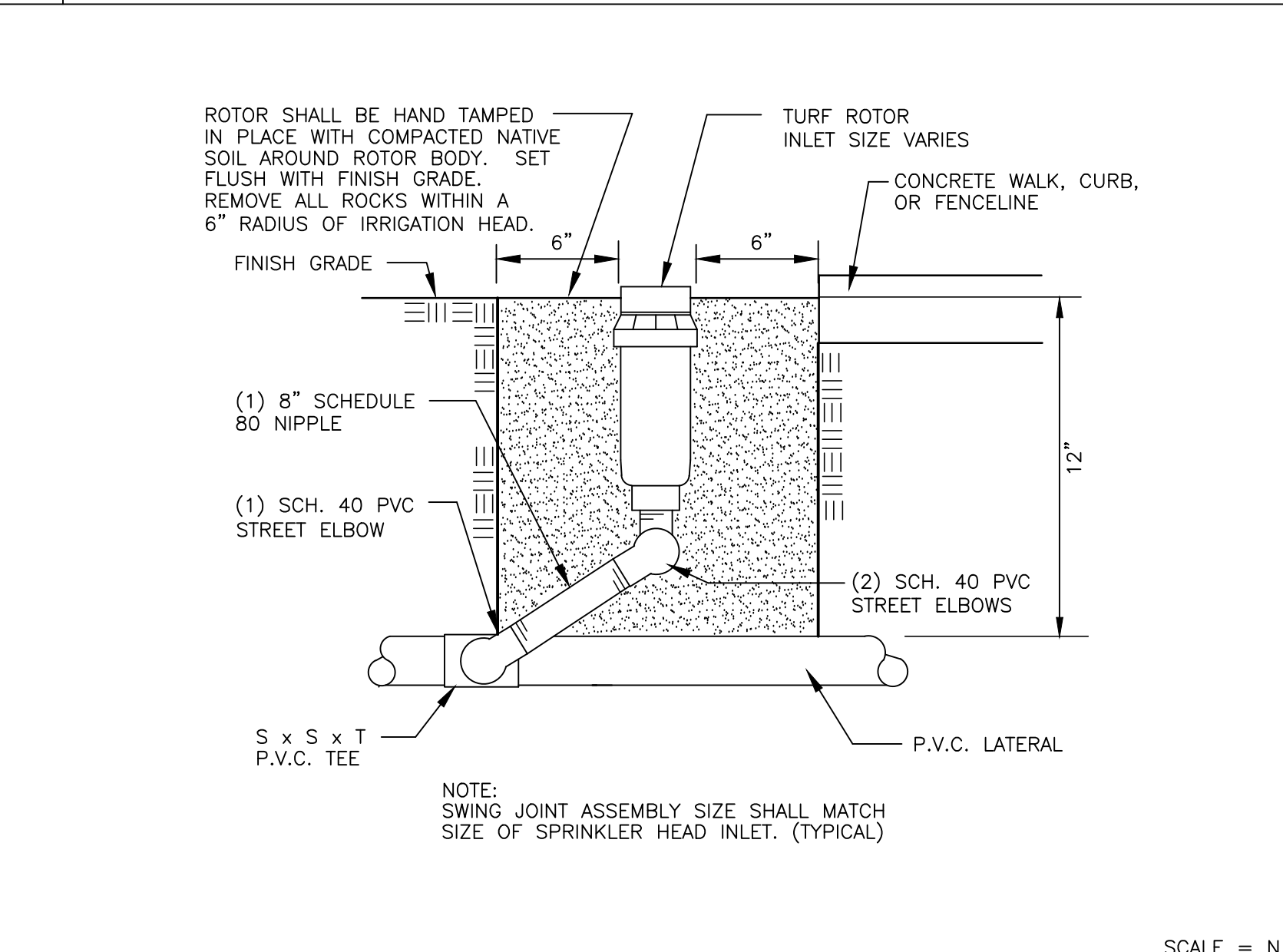
11 QUICK COUPLER



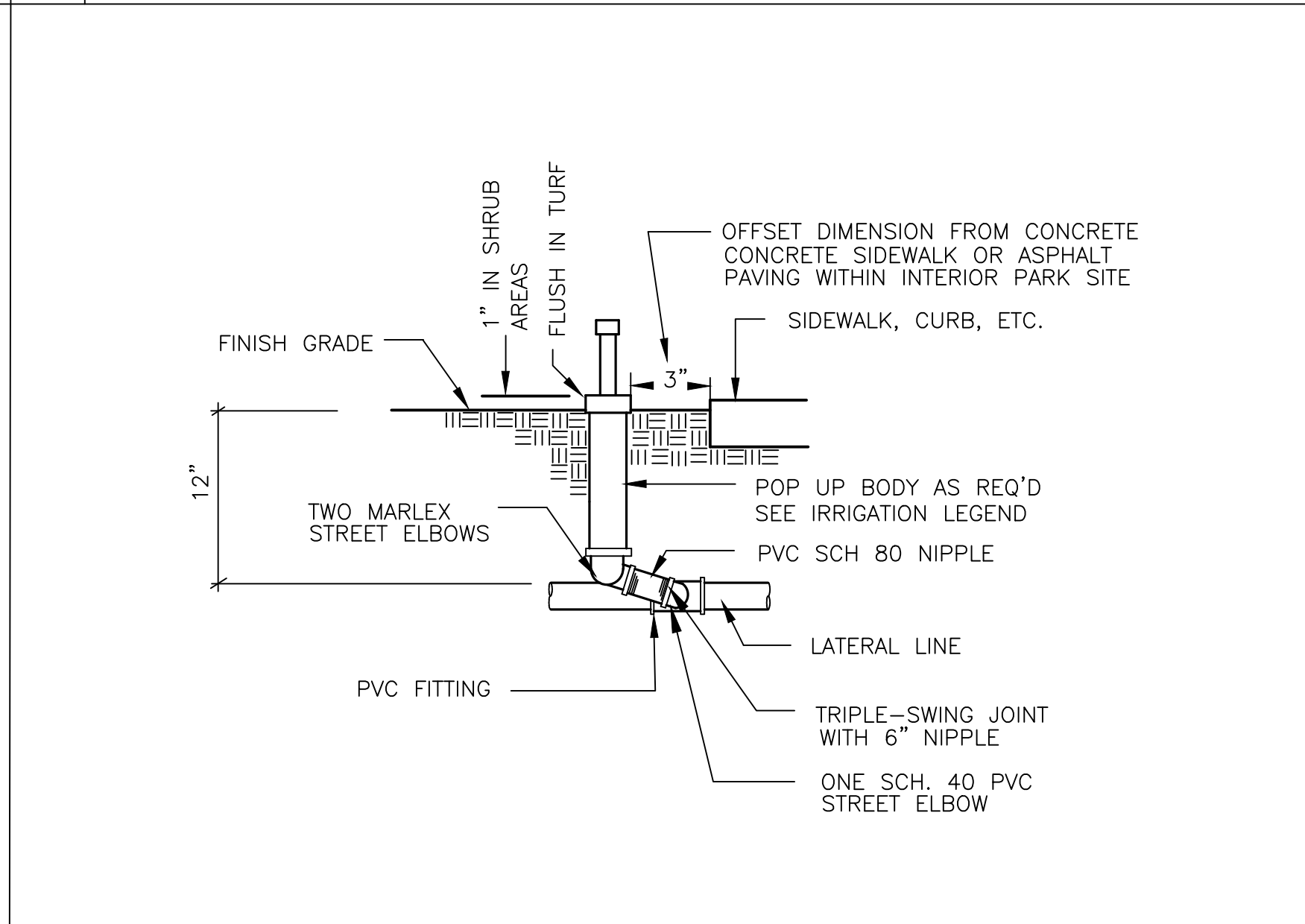
12 AIR RELIEF VALVE ON MAINLINE



13 TWO WIRE CABLE / FLOW SENSING CABLE PULL BOX



14 POP UP TURF ROTOR



15 POP UP SPRAY HEAD / DRIP SYSTEM OPERATION INDICATOR

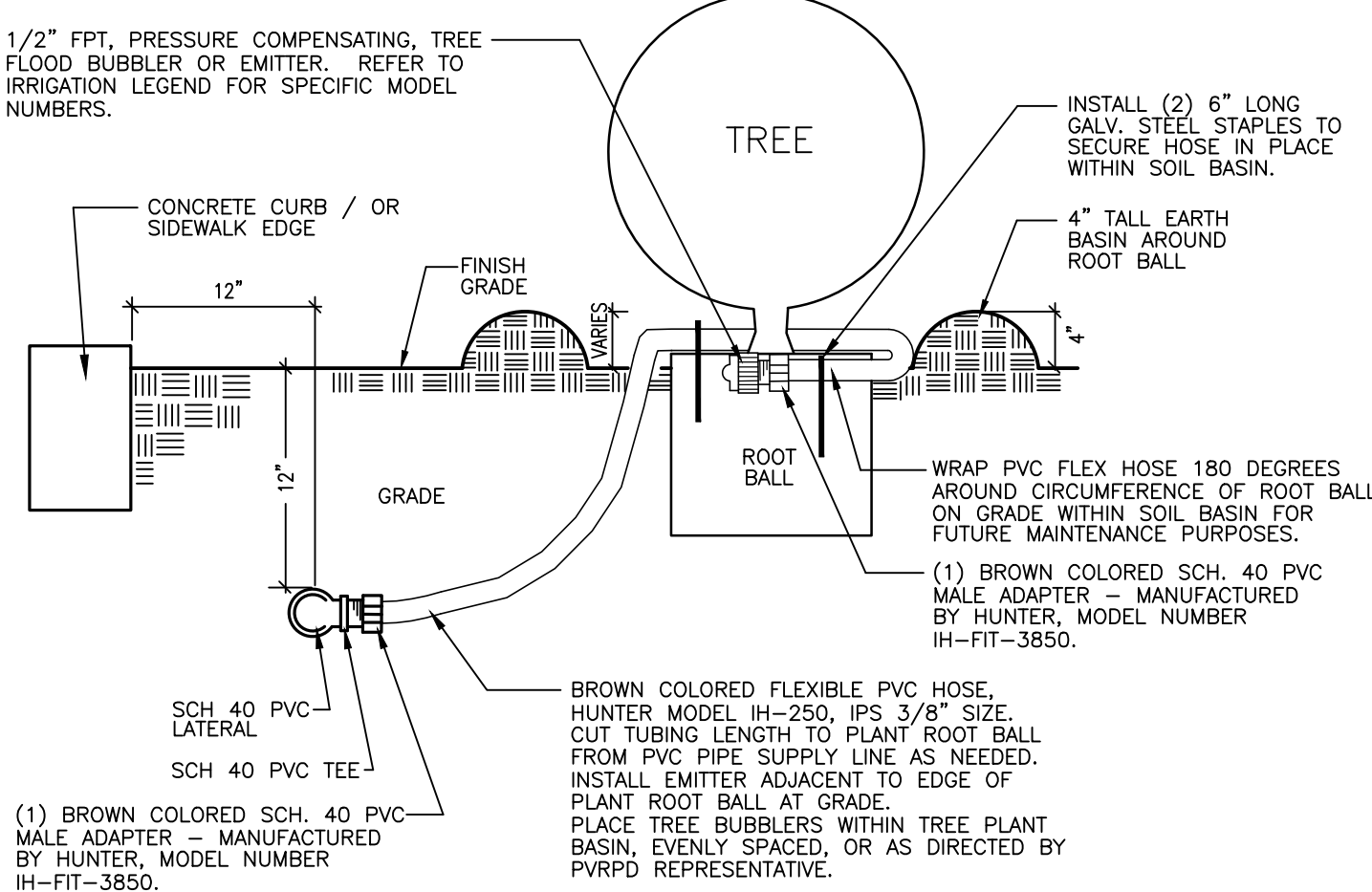
IRRIGATION DETAILS
 PLEASANT VALLEY
 PARK & RECREATION DISTRICT
 1605 E BURNLEY STREET
 CAMARILLO, CA 93010

PROJECT TITLE
 ARNEILL RANCH PARK
 1301 SWEETWATER AVENUE
 CAMARILLO, CA 93010

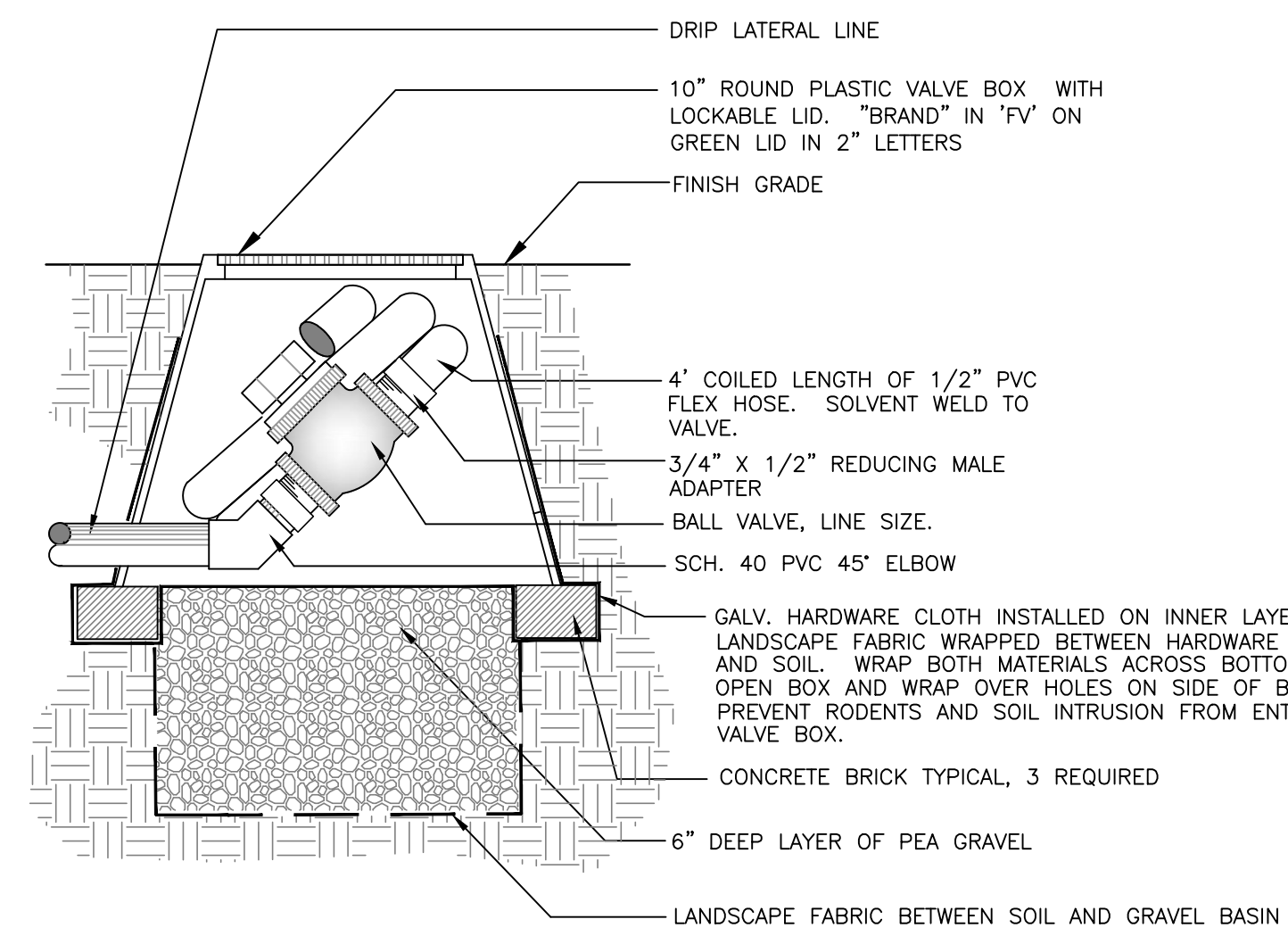
DATE	REVISIONS

DRAWN BY: JB
 CHECKED BY: LW
 PROJECT NO. 0964
 DATE: 15 MAR 2021

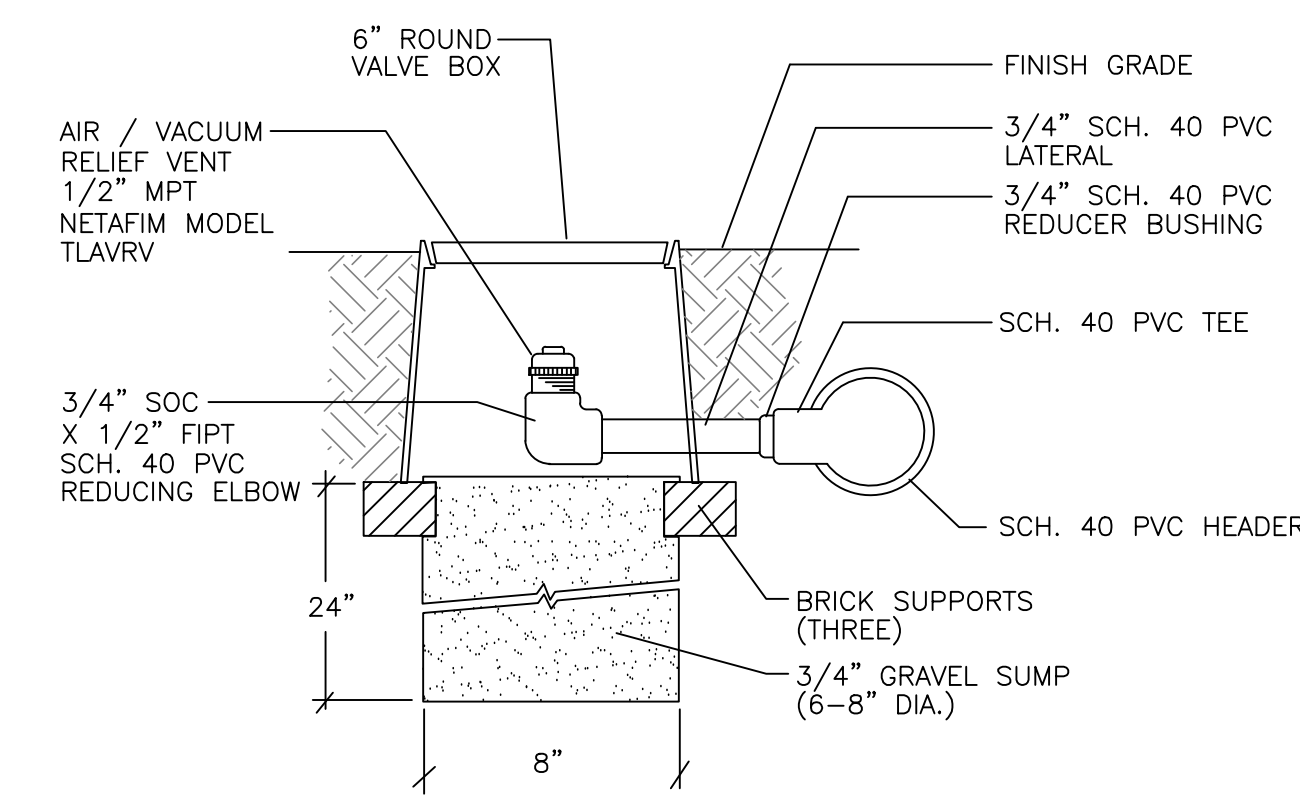
- NOTES:
- USE WELD-ON PRIMER MODEL 'P-70' AND WELD-ON SOLVENT WELD CEMENT MODEL '795 CLEAR', OR APPROVED OR APPROVED EQUAL, TO ATTACH BROWN HUNTER PVC MALE ADAPTERS TO FLEXIBLE PVC HOSE.
 - INSTALL (2) FLOOD BUBBLER DETAILS PER EACH NEW TREE PLANTED.
 - INSTALL (4) FLOOD BUBBLERS FOR EXISTING TREES WITHIN PLANTER. SPACE BUBBLERS AS DIRECTED BY THE P.V.R.P.D. REPRESENTATIVE.



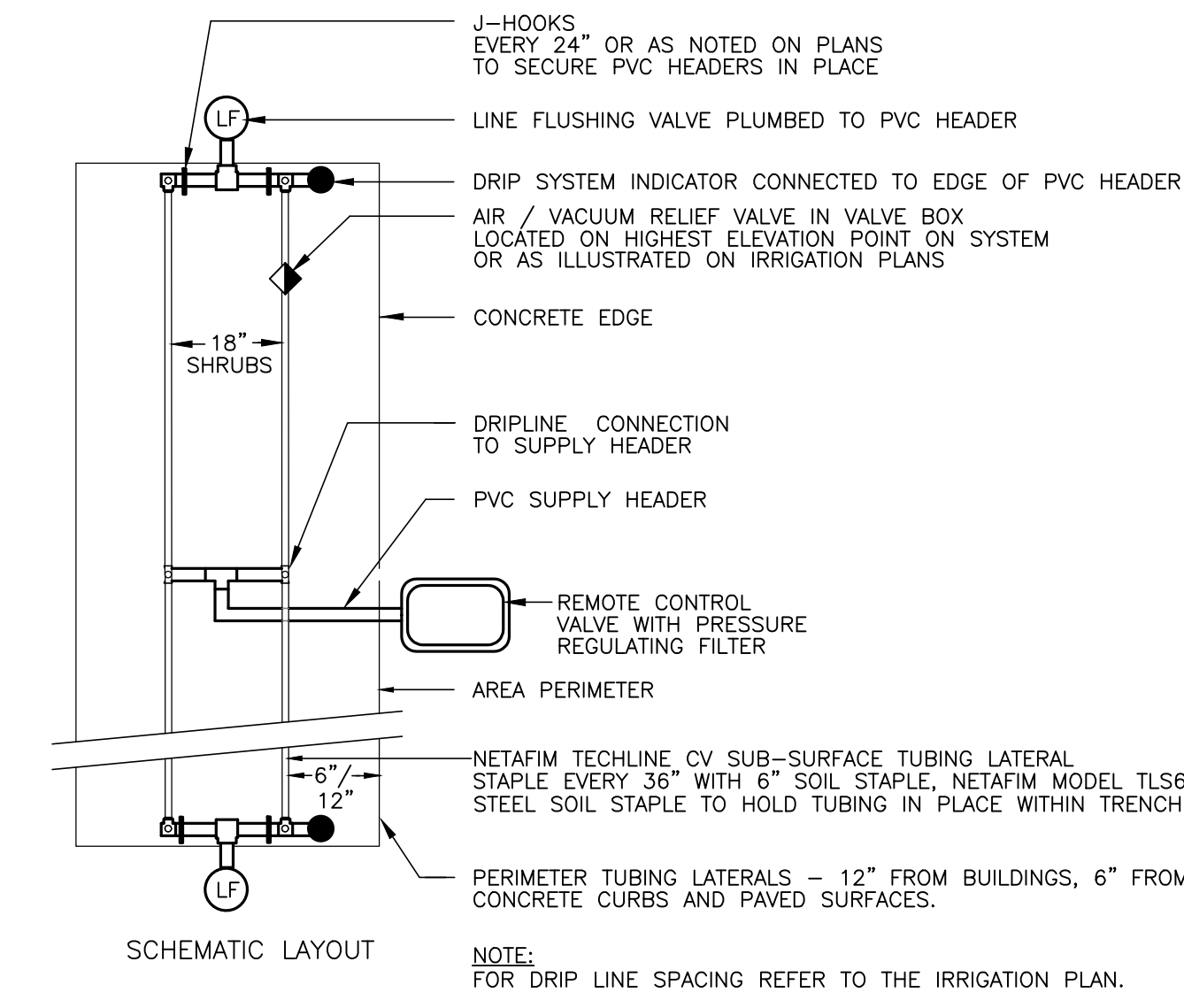
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NOTE: FOR DRIP LINE SPACING REFER TO THE IRRIGATION PLAN.

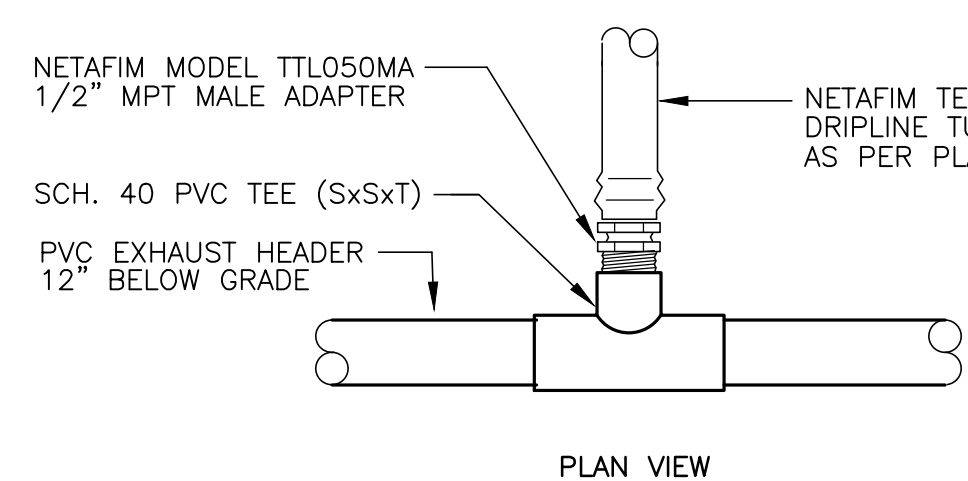
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1. TREE FLOOD BUBBLER / DRIP EMITTER ON PVC FLEXIBLE HOSE

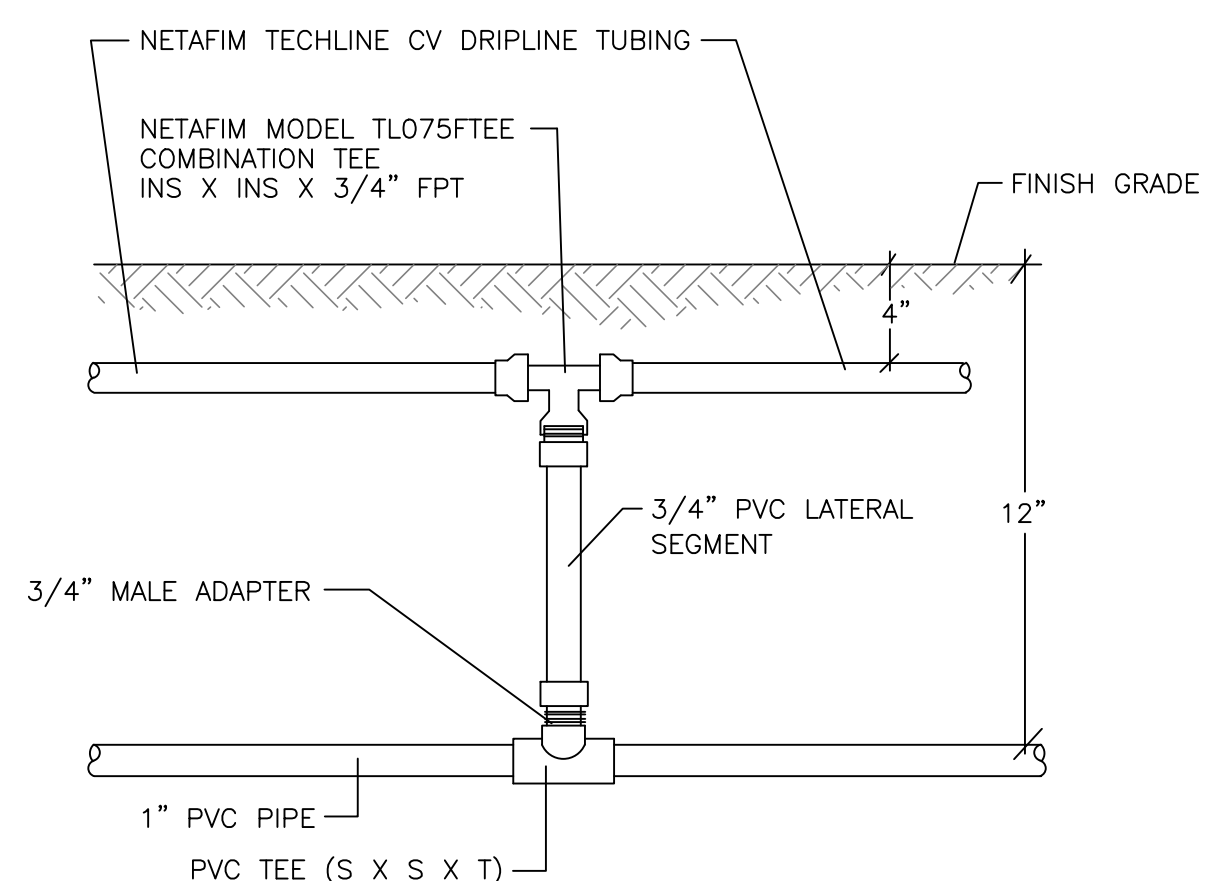
2. DRIP SYSTEM FLUSH VALVE

3. DRIPLINE TUBING SYSTEM -- AIR / VACUUM RELIEF VALVE

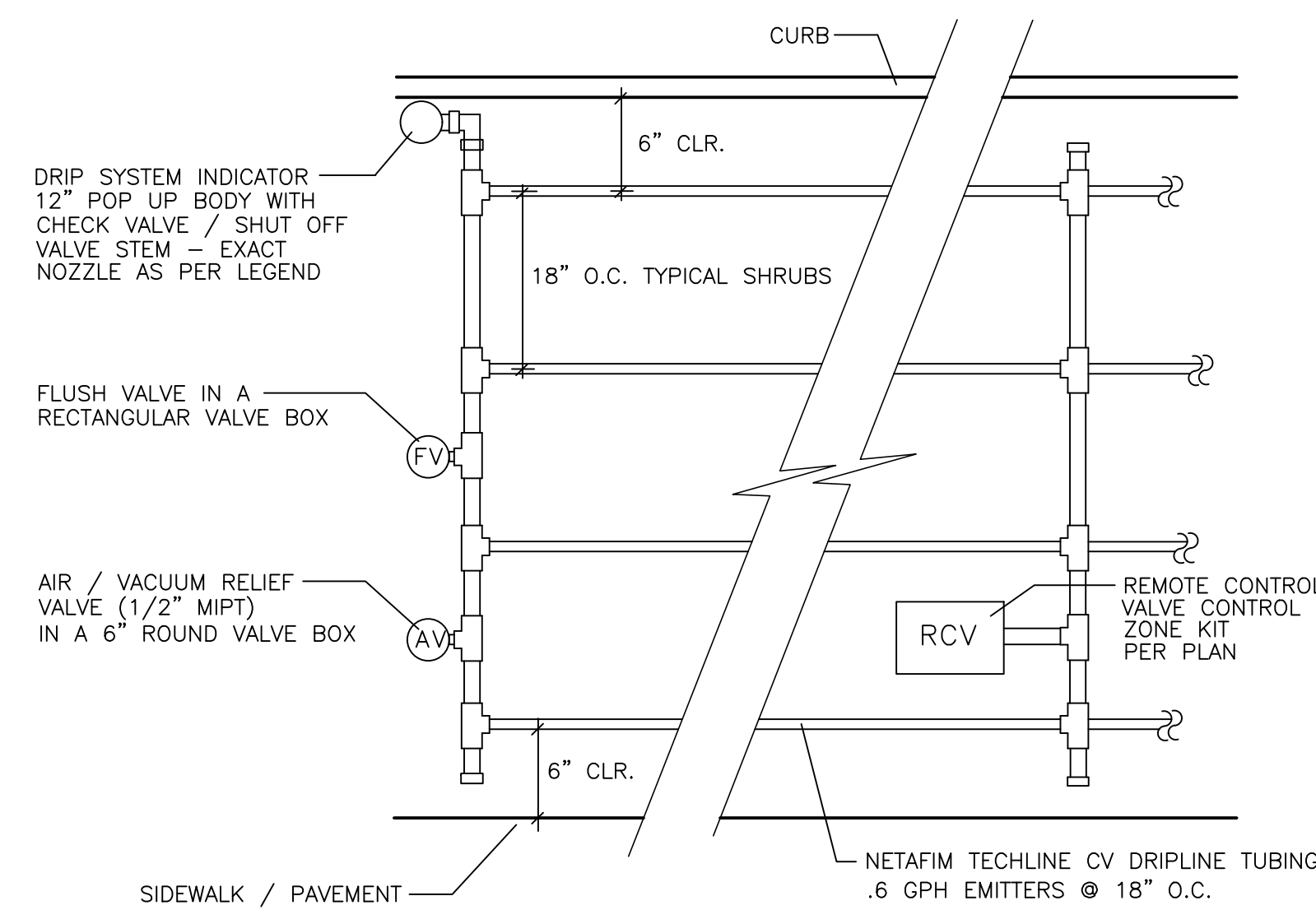
4. TYPICAL SUB-SURFACE TUBING PLUMBED WITH CENTER FEED



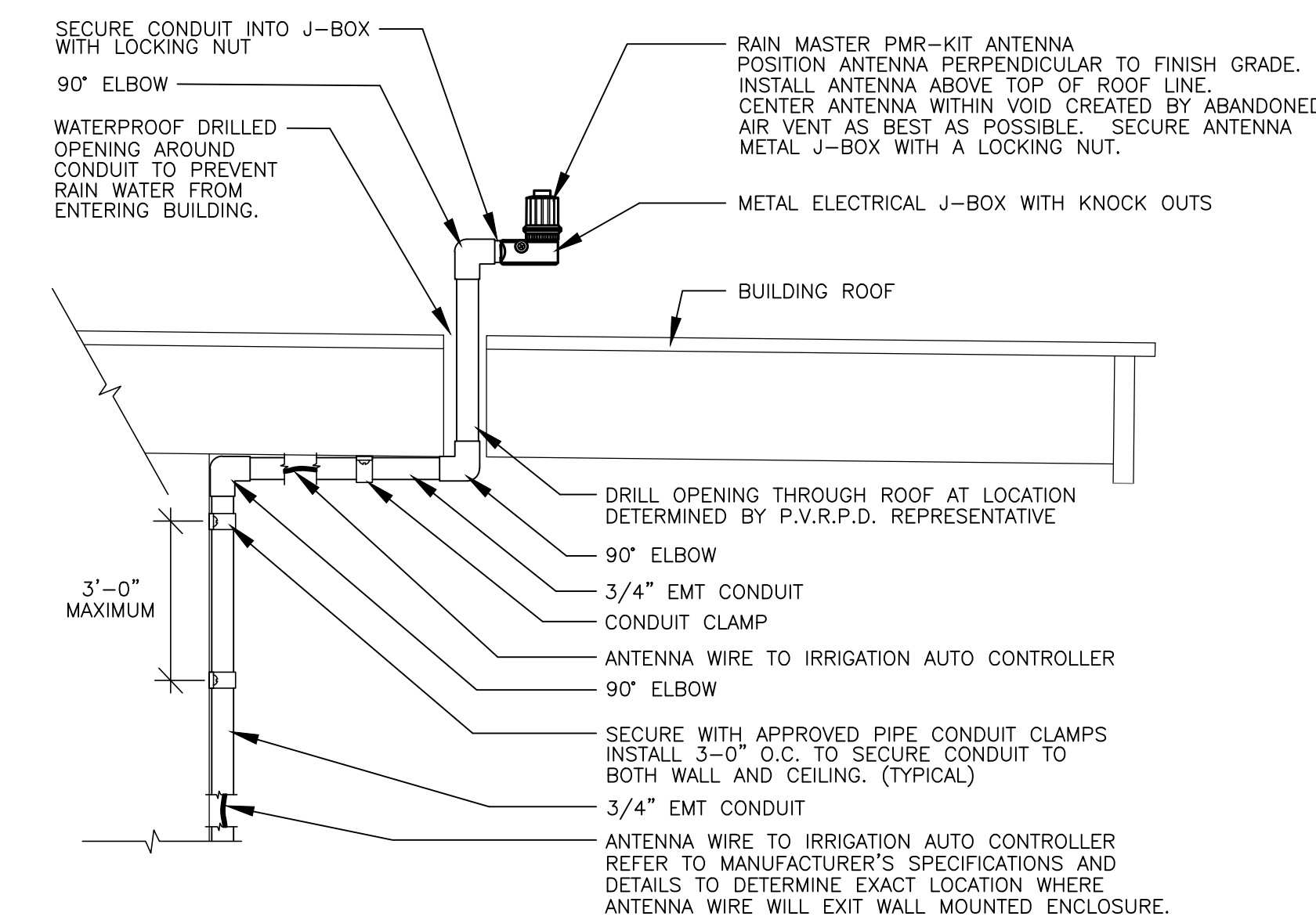
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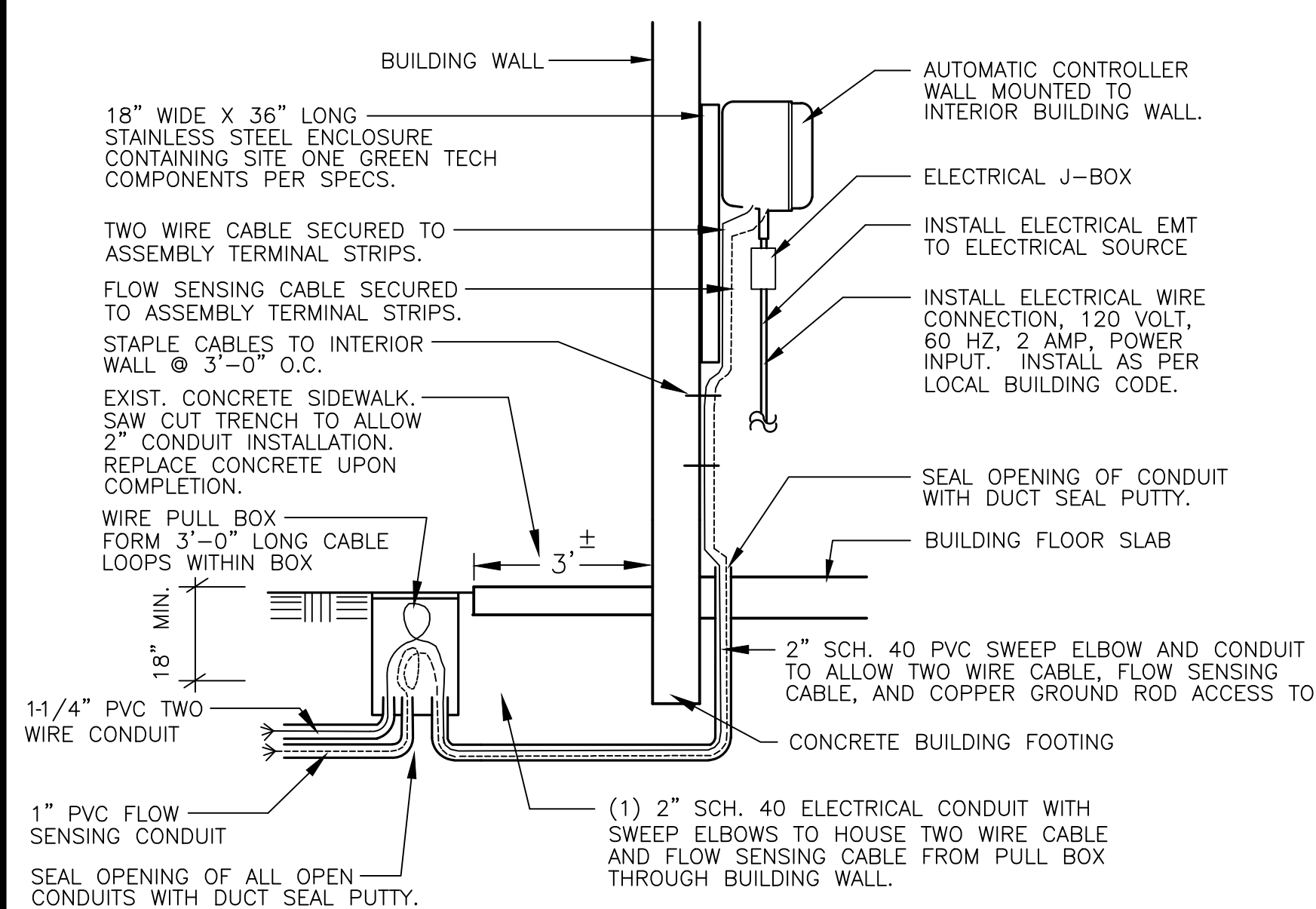
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5. DRIPLINE TUBING CONNECTION TO PVC EXHAUST HEADER

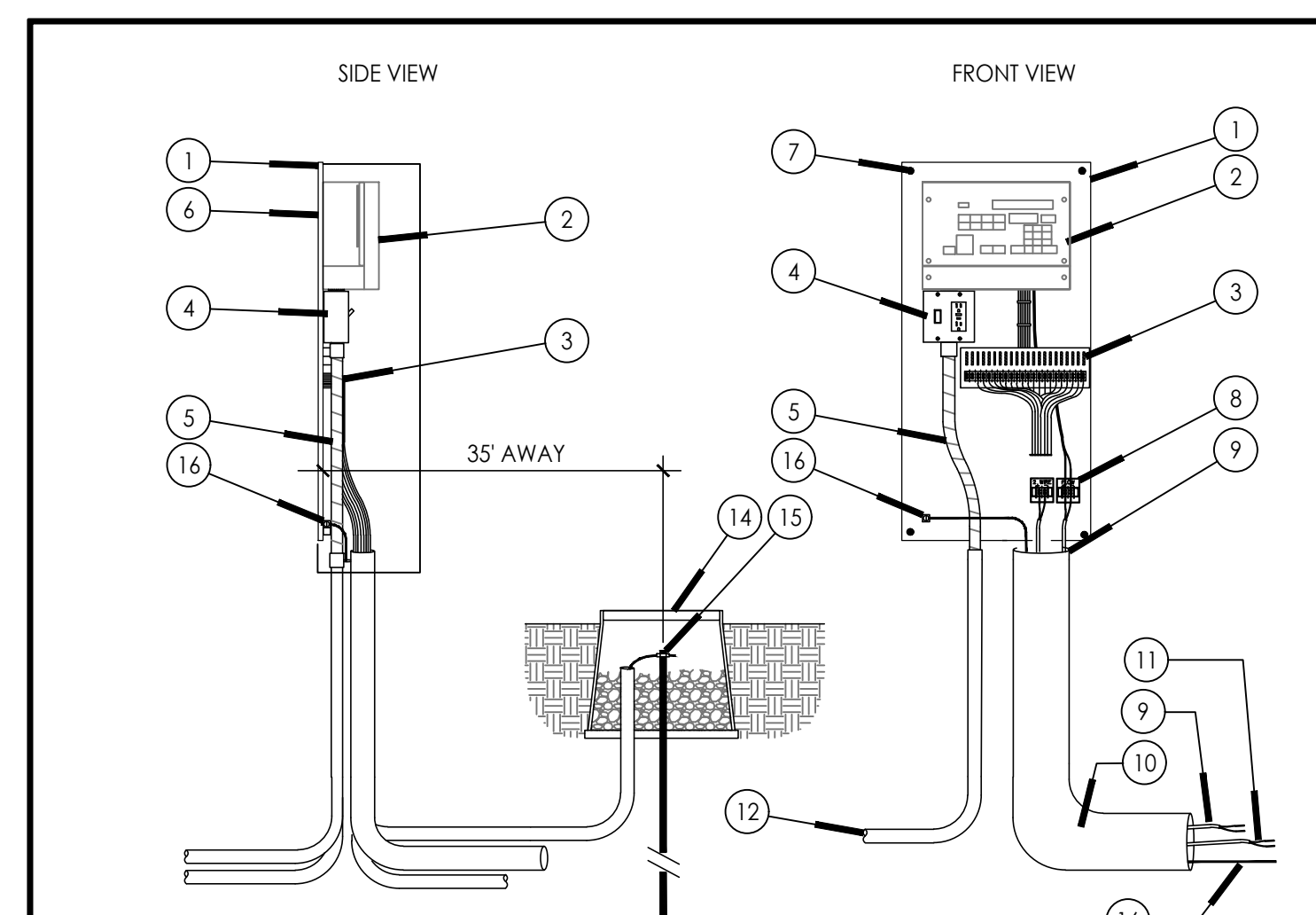
6. DRIPLINE CONNECTION SECTION (PVC SUPPLY TO TUBING)

7. DRIPLINE TUBING SCHEMATIC DRAWING

8. REMOTE CONTROL ANTENNA INSTALLATION THROUGH BUILDING ROOF



SCALE = N.T.S.



- ALUMINUM BACKBOARD, 16\"/>
- SATELLITE ASSEMBLY - ASSEMBLED ON BACKBOARD BY SITEONE GREEN TECH - INSTALLED IN ENCLOSURE
- TERMINAL STRIP FOR VALVE WIRES
- POWER SWITCH / GFCI RECEPTACLE
- ELECTRICAL FLEX CONDUIT FOR POWER
- BACKBOARD WITHIN WALL MOUNTED STAINLESS STEEL SECURITY ENCLOSURE IS WATERPROOF
- FOUR BOLT HOLES LINE UP WITH BOLTS ON THE STRONG BOX - 18\"/>
- FLOW SENSOR TERMINAL BOARD
- 1\"/>
- 2\"/>
- TWO WIRE CABLE
- 1\"/>
- NOT USED
- 10\"/>
- 3/8\"/>
- #6 GROUND WIRE AND CLAMP LOCATE 35\"/>
- #6 GROUND WIRE SECURED TO BACKBOARD GROUNDING TERMINAL

NOTE: SEE IRRIGATION LEGEND CALL OUT FOR INCLUDED OPTIONS, SUGGESTED CONDUIT SIZES MAY NEED TO BE LARGER.

SA16 - STRONGBOX: BB-18SS, (16\"/>

SA16 - STRONGBOX: BB-18SS, (16\"/>

10. SATELLITE ASSEMBLY (SA)



SCALE = N.T.S.

10. AUTO CONTROLLER ASSEMBLY FOR INTERIOR WALL MOUNT



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IRRIGATION DETAILS

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DRAWN BY: JB
CHECKED BY: LW
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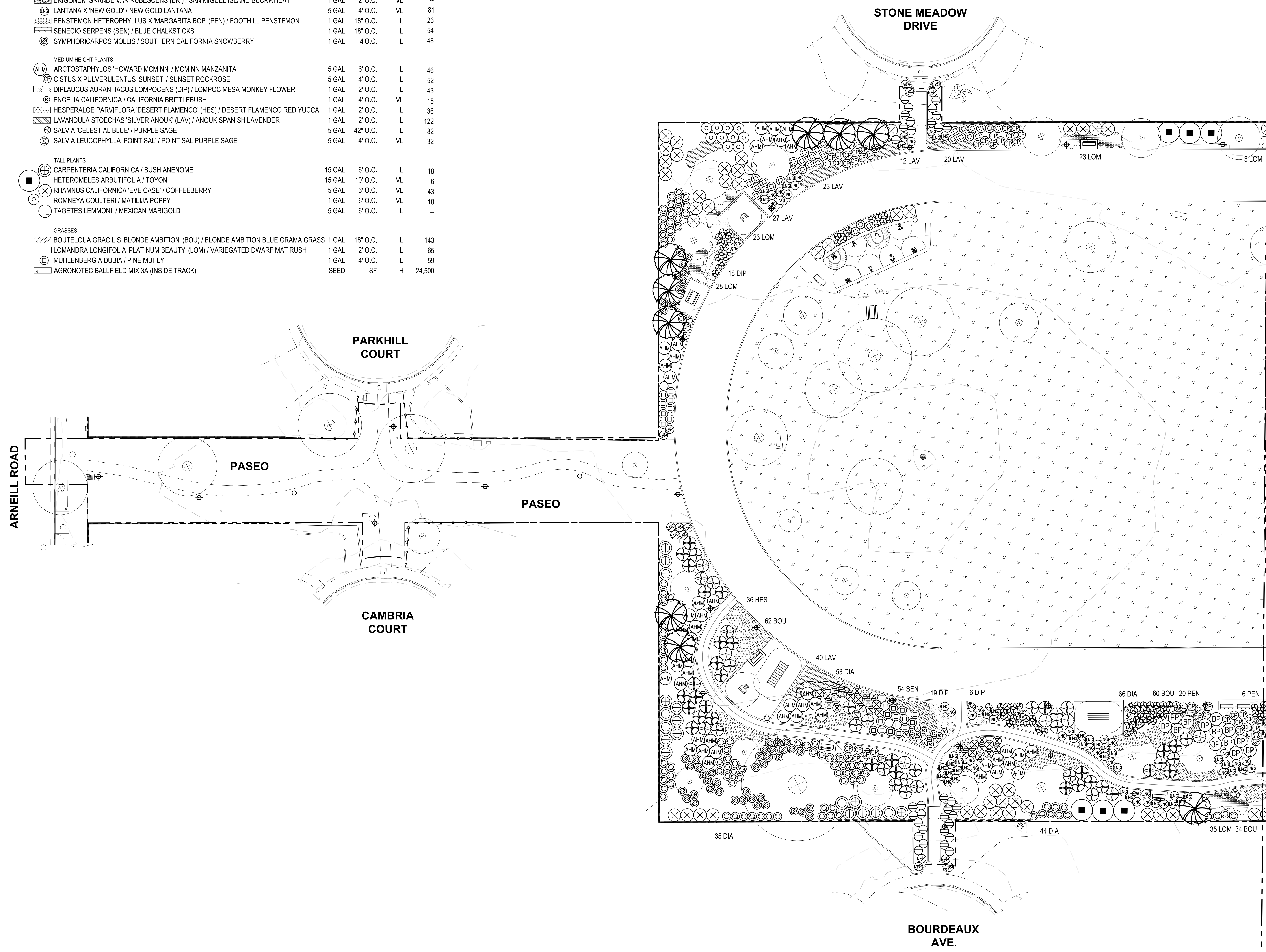
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SHEET 16 OF 23
L2.52

PLANT LEGEND

BOTANICAL / COMMON NAME	SIZE	SPACING	WUCOLS	QTY.
TREES				
LAGERSTROEMIA INDICA 'TUSCARORA' / TUSCARORA CREPE MYRTLE	24 BOX	15' O.C.	M	9
LOW PLANTS				
AGAVE 'BLUE GLOW' / BLUE GLOW AGAVE	1 GAL	3' O.C.	L	5
BACCHARIS PILULARIS 'PIGEON POINT' / DWARF COYOTE BRUSH	5 GAL	6' O.C.	L	13
RIBES VIBURNIFOLIA / CATALINA PERFUME	5 GAL	4' O.C.	L	34
CARISSA MACROCARPA 'GREEN CARPET' / GREEN CARPET NATAL PLUM	5 GAL	4' O.C.	L	33
CEANOTHUS 'CENTENNIAL' / CENTENNIAL CEANOTHUS	5 GAL	4' O.C.	L	62
DIANELLA CAERULA 'DBB03' (DIA) / CASSA BLUE FLAX LILY	1 GAL	18" O.C.	M	198
ERIGONUM GRANDE VAR RUBESCENS (ERI) / SAN MIGUEL ISLAND BUCKWHEAT	1 GAL	2' O.C.	VL	--
LANTANA X 'NEW GOLD' / NEW GOLD LANTANA	5 GAL	4' O.C.	VL	81
PENSTEMON HETEROPHYLLUS X 'MARGARITA BOP' (PEN) / FOOTHILL PENSTEMON	1 GAL	18" O.C.	L	26
SENECIO SERPENS (SEN) / BLUE CHALKSTICKS	1 GAL	18" O.C.	L	54
SYMPHORICARPOS MOLLIS / SOUTHERN CALIFORNIA SNOWBERRY	1 GAL	4' O.C.	L	48
MEDIUM HEIGHT PLANTS				
ARCTOSTAPHYLOS 'HOWARD MCMINN' / MCMINN MANZANITA	5 GAL	6' O.C.	L	46
CISTUS X PULVERULENTUS 'SUNSET' / SUNSET ROCKROSE	5 GAL	4' O.C.	L	52
DIPLAUCUS AURANTIACUS LOMPOCENS (DIP) / LOMPOC MESA MONKEY FLOWER	1 GAL	2' O.C.	L	43
ENCELIA CALIFORNICA / CALIFORNIA BRITTLEBUSH	1 GAL	4' O.C.	VL	15
HESPERALOE PARVIFLORA 'DESERT FLAMENCO' (HES) / DESERT FLAMENCO RED YUCCA	1 GAL	2' O.C.	L	36
LAVANDULA STOECHAS 'SILVER ANOUK' (LAV) / ANOUK SPANISH LAVENDER	1 GAL	2' O.C.	L	122
SALVIA 'CELESTIAL BLUE' / PURPLE SAGE	5 GAL	42" O.C.	L	82
SALVIA LEUCOPHYLLA 'POINT SAL' / POINT SAL PURPLE SAGE	5 GAL	4' O.C.	VL	32
TALL PLANTS				
CARPENTERIA CALIFORNICA / BUSH ANENOME	15 GAL	6' O.C.	L	18
HETEROMELES ARBUTIFOLIA / TOYON	15 GAL	10' O.C.	VL	6
RHAMNUS CALIFORNICA 'EVE CASE' / COFFEEBERRY	5 GAL	6' O.C.	VL	43
ROMNEYA COULTERI / MATILIA POPPY	1 GAL	6' O.C.	VL	10
TARGETES LEMMONII / MEXICAN MARIIGOLD	5 GAL	6' O.C.	L	--
GRASSES				
BOUTELOUA GRACILIS 'BLONDE AMBITION' (BOU) / BLONDE AMBITION BLUE GRAMA GRASS	1 GAL	18" O.C.	L	143
LOMANDRA LONGIFOLIA 'PLATINUM BEAUTY' (LOM) / VARIEGATED DWARF MAT RUSH	1 GAL	2' O.C.	L	65
MUHLENBERGIA DUBIA / PINE MUHLY	1 GAL	4' O.C.	L	59
AGRONOTEC BALLFIELD MIX 3A (INSIDE TRACK)	SEED	SF	H	24,500



MATCH LINE, SEE SHEET L3.01

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 818-291-0200
 mail@wITHERSANDGREN.COM

SHEET TITLE

PLANTING PLAN

OWNER

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 PARK & RECREATION DISTRICT
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 CAMARILLO, CA 93010

PROJECT TITLE

ARNEILL RANCH PARK
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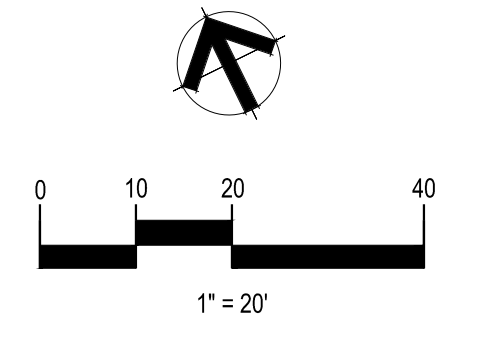
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DRAWN BY: PBN
 CHECKED BY: LW
 PROJECT NO. 0964
 DATE: 30 APR 2021



SHEET OF 22
L3.00

SEE SHEET L3.50 FOR PLANTING NOTES.



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WITHERS & SANDGREN
LANDSCAPE ARCHITECTURE + PLANNING

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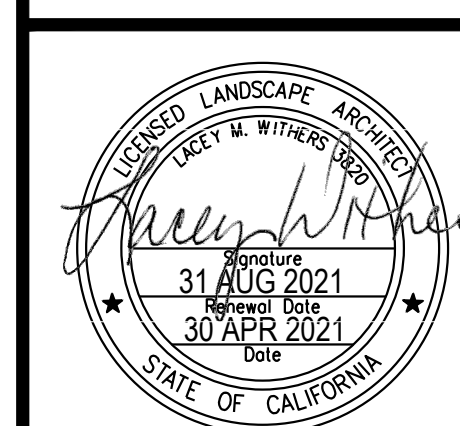
PROJECT TITLE

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REVISIONS

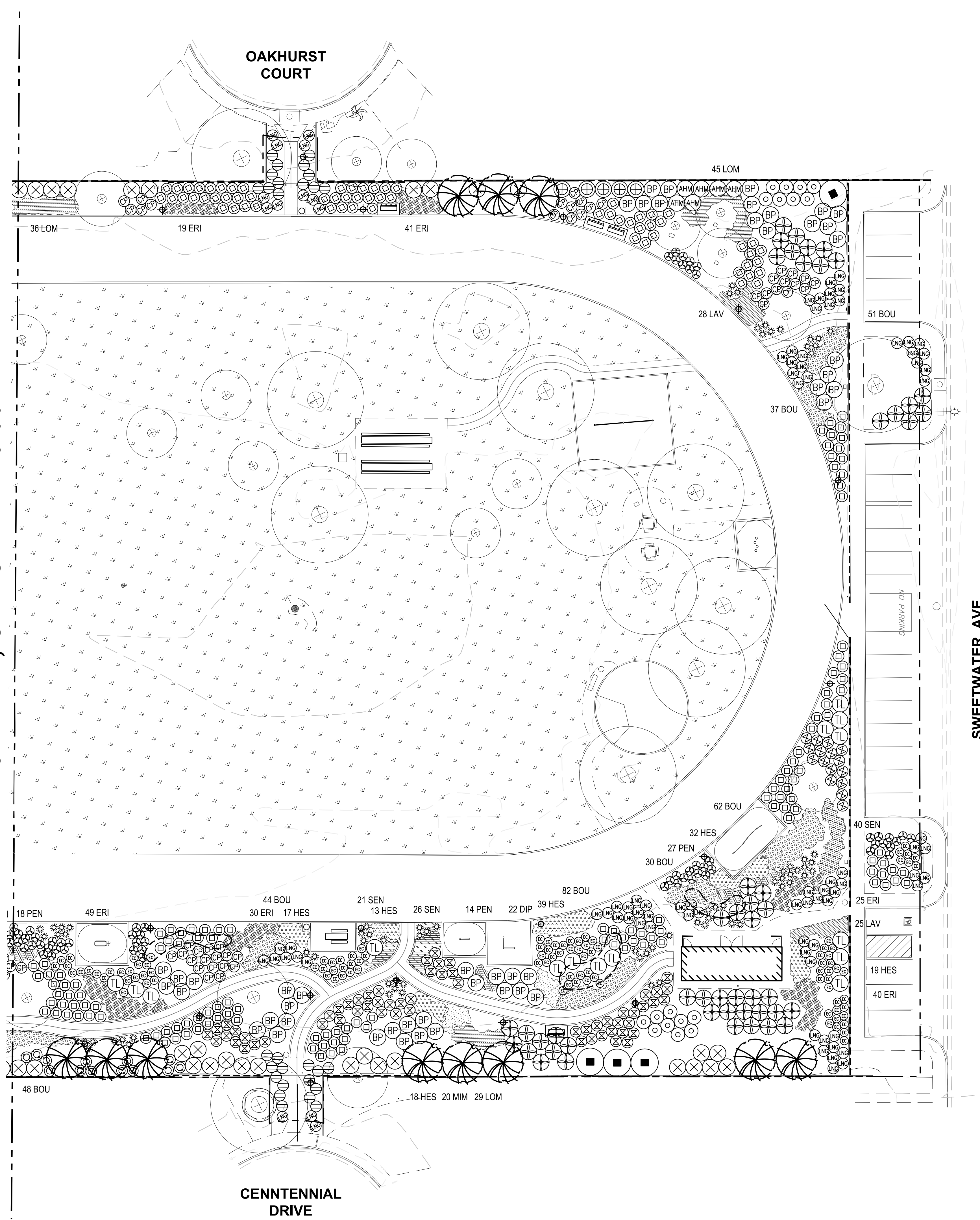
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DATE: 30 APR 2021



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L3.01

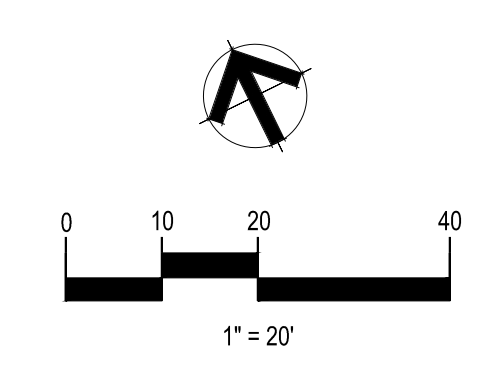
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PLANT LEGEND

BOTANICAL / COMMON NAME	SIZE	SPACING	WUCOLS	QTY.
TREES				
LAGERSTROEMIA INDICA 'TUSCARORA' / TUSCARORA CREPE MYRTLE	24 BOX	15' O.C.	M	11
LOW PLANTS				
AGAVE 'BLUE GLOW' / BLUE GLOW AGAVE	1 GAL	3' O.C.	L	75
BACCHARIS PILULARIS 'PIGEON POINT' / DWARF COYOTE BRUSH	5 GAL	6' O.C.	L	47
RIBES VIBURNIFOLIA / CATALINA PERFUME	5 GAL	4' O.C.	L	13
CARISSA MACROCARPA 'GREEN CARPET' / GREEN CARPET NATAL PLUM	5 GAL	4' O.C.	L	28
CEANOTHUS 'CENTENNIAL' / CENTENNIAL CEANOTHUS	5 GAL	4' O.C.	L	49
DIANELLA CAERULA 'DBB03' (DIA) / CASSA BLUE FLAX LILY	1 GAL	18" O.C.	M	-
ERIGONUM GRANDE VAR RUBESCENS (ERI) / SAN MIGUEL ISLAND BUCKWHEAT	1 GAL	2' O.C.	VL	204
LANTANA X 'NEW GOLD' / NEW GOLD LANTANA	5 GAL	4' O.C.	VL	90
PENSTEMON HETEROPHYLLUS X 'MARGARITA BOP' (PEN) / FOOTHILL PENSTEMON	1 GAL	18" O.C.	L	59
SENECIO SERPENS (SEN) / BLUE CHALKSTICKS	1 GAL	18" O.C.	L	87
SYMPHORICARPOS MOLLIS / SOUTHERN CALIFORNIA SNOWBERRY	1 GAL	4' O.C.	L	-
MEDIUM HEIGHT PLANTS				
ARCTOSTAPHYLOS 'HOWARD MCMINN' / MCMINN MANZANITA	5 GAL	6' O.C.	L	6
CISTUS X PULVERULENTUS 'SUNSET' / SUNSET ROCKROSE	5 GAL	4' O.C.	L	45
DIPLAUCUS AURANTIACUS LOMPOCENS (DIP) / LOMPOC MESA MONKEY FLOWER	1 GAL	2' O.C.	L	42
ENCELIA CALIFORNICA / CALIFORNIA BRITTLEBUSH	1 GAL	4' O.C.	VL	103
HESPERALOE PARVIFLORA 'DESERT FLAMENCO' (HES) / DESERT FLAMENCO RED YUCCA	1 GAL	2' O.C.	L	138
LAVANDULA STOECHAS 'SILVER ANOUK' (LAV) / ANOUK SPANISH LAVENDER	1 GAL	2' O.C.	L	53
SALVIA 'CELESTIAL BLUE' / PURPLE SAGE	5 GAL	42" O.C.	L	59
SALVIA LEUCOPHYLLA 'POINT SAL' / POINT SAL PURPLE SAGE	5 GAL	4' O.C.	VL	75
TALL PLANTS				
CARPENTERIA CALIFORNICA / BUSH ANENOME	15 GAL	6' O.C.	L	5
HETEROMELES ARBUTIFOLIA / TOYON	15 GAL	10' O.C.	VL	4
RHAMNUS CALIFORNICA 'EVE CASE' / COFFEEBERRY	5 GAL	6' O.C.	VL	29
ROMNEYA COULTERI / MATILJA POPPY	1 GAL	6' O.C.	VL	17
TAGETES LEMMONII / MEXICAN MARIGOLD	5 GAL	6' O.C.	L	15
GRASSES				
BOUTELLOIA GRACILIS 'BLONDE AMBITION' (BOU) / BLONDE AMBITION BLUE GRAMA GRASS	1 GAL	18" O.C.	L	143
LOMANDRA LONGIFOLIA 'PLATINUM BEAUTY' (LOM) / VARIEGATED DWARF MAT RUSH	1 GAL	2' O.C.	L	110
MUHLENBERGIA DUBIA / PINE MUHLY	1 GAL	4' O.C.	L	194
AGRNOTEC BALLFIELD MIX 3A (INSIDE TRACK)	SEED	SF	H	24,500

SEE SHEET L3.50 FOR PLANTING NOTES.



GENERAL REQUIREMENTS

- THE PLAN(S) ARE DIAGRAMMATIC. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND NOTIFY THE PROJECT ENGINEER/LANDSCAPE ARCHITECT OF ANY DISCREPANCIES PRIOR TO THE START OF WORK.
- QUANTITIES: PLANT MATERIAL NUMERICAL QUANTITIES SHOWN ARE FOR CONVENIENCE ONLY. CONTRACTOR IS RESPONSIBLE FOR QUANTITY OF PLANTS SHOWN ON THE DRAWING.
- PLANT AVAILABILITY: THE ACT OF PROVIDING A BID FOR THIS PROJECT ESTABLISHES THE CONTRACTORS UNDERSTANDING THAT THE PLANTS SPECIFIED HEREIN MAY BE UNUSUAL AND MORE DIFFICULT TO LOCATE THAN THE INDUSTRY STANDARD AND THAT THE CONTRACTOR AGREES TO THE FOLLOWING:
 - THE CONTRACTOR SHALL SEARCH FOR EACH PLANT SPECIFIED. IF ANY CALIFORNIA NURSERY HAS THE SPECIFIED SPECIES THE CONTRACTOR IS OBLIGATED TO PURCHASE HEALTHY CONTAINERS OF THE SPECIES.
 - WITHIN 21 DAYS AFTER THE AWARD OF CONTRACT, THE CONTRACTOR SHALL SUBMIT A PLANT SUBMITTAL WITH NURSERY SOURCES, PLANT QUANTITIES, PLANT SIZES AND PHOTOS OF THE PLANTS BEING SUPPLIED. THE PLANT LIST SHALL INDICATE ALL UNAVAILABLE PLANTS AND WHICH NURSERIES WERE CONTACTED DURING THE CONTRACTOR'S SEARCH.
- TOPSOIL/SOILS REPORT: THE CONTRACTOR SHALL OBTAIN AN AGRICULTURAL SUITABILITY REPORT FOR THE ON-SITE SOIL. TAKE A MINIMUM OF 3 TEST SAMPLES AS DIRECTED BY THE LANDSCAPE ARCHITECT OR PROJECT MANAGER, PRIOR TO THE INSTALLATION OF IRRIGATION AND PLANTING. THE RECOMMENDATIONS FOR SOIL AMENDMENTS FROM THE REPORT SHALL BE FOLLOWED IF THEY EXCEED THE ONES GIVEN IN THESE PLANTING NOTES. IF IMPORTED SOIL IS REQUIRED, IT SHALL BE CLASS 'A' SOIL OBTAINED FROM A SOURCE DESIGNATED BY THE CONTRACTOR AND APPROVED BY THE LANDSCAPE ARCHITECT OR PROJECT MANAGER. CONTRACTOR SHALL GUARANTEE THE QUALITY OF THE TOPSOIL WITH AN APPROVED AGRICULTURAL SUITABILITY EVALUATION REPORT. SUBMIT THE SOILS REPORT TO THE PROJECT MANAGER FOR APPROVAL 30 DAYS PRIOR TO ANY SOIL PLACEMENT.
- PERCOLATION TEST: A MINIMUM OF THREE (3) SOILS PERCOLATION TESTS SHALL BE PERFORMED BY FILLING TREE PLANTING PITS WITH WATER, WAITING 12 HOURS AND THEN COMPLETELY REFILLING THE PIT WITH WATER. IF THE WATER IS NOT ABSORBED WITHIN 12 HOURS OF THE SECOND FILLING IT HAS FAILED THE TEST. UPON FAILURE, CONTACT THE PROJECT MANAGER AND LANDSCAPE ARCHITECT FOR REMEDIAL MEASURES. BID PRICE SHALL BE BASED ON STANDARD TREE PLANTING PIT DETAILS.
- CLEARING AND GRUBBING: THE CONTRACTOR SHALL CLEAR AND GRUB ALL IMPROVEMENT AREAS PRIOR TO THE INSTALLATION OF THE IRRIGATION SYSTEM. SEE SPECIFICATIONS.
- PROTECTION OF EXISTING PLANT MATERIAL:
 - THE PROJECT MANAGER SHALL IDENTIFY EXISTING TREES AND SHRUBS THAT ARE TO BE PRESERVED AND PROTECTED WITHIN THE PROJECT LIMITS PRIOR TO THE START OF WORK.
 - THE CONTRACTOR SHALL PROTECT IN PLACE ALL EXISTING TREES AS NOTED ON THE PLANS OR AS DIRECTED BY THE PROJECT MANAGER. THE CONTRACTOR SHALL NOT STORE ANY CONSTRUCTION MATERIALS INCLUDING EQUIPMENT OR EXCAVATED SOILS NOR OPERATE ANY MACHINERY THAT MIGHT COMPACT THE EXISTING SOIL WITHIN THE DRIP LINE OF A TREE'S CANOPY.
 - THE CONTRACTOR SHALL PROVIDE CONTINUOUS IRRIGATION AND MAINTENANCE TO ALL EXISTING PLANT MATERIALS THAT ARE TO REMAIN. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE IN SIZE, KIND, AND TO THE SATISFACTION OF THE PROJECT MANAGER ANY EXISTING PLANT MATERIAL THAT IS TO BE PROTECTED AND IS DAMAGED DURING THE CONSTRUCTION PERIOD.
 - NO PRUNING SHALL BE DONE EXCEPT BY THE APPROVAL OF THE PROJECT MANAGER.

WEED ABATEMENT

- THE CONTRACTOR SHALL SUBMIT A WEED ABATEMENT PROGRAM TO THE PROJECT MANAGER FOR APPROVAL 30 DAYS PRIOR TO THE START OF PLANTING OPERATIONS. NO PLANTING OPERATIONS WILL BE ALLOWED UNTIL ALL PLANTING AREAS ARE CLEARED OF WEEDS IN ACCORDANCE WITH THE WEED ABATEMENT PROGRAM AND TO THE SATISFACTION OF THE PROJECT MANAGER / LANDSCAPE ARCHITECT. MAINTAIN ALL PLANTING AREAS FREE OF WEEDS FOR THE DURATION OF THE CONTRACT.

- EXISTING NATIVE VEGETATION SHALL NOT BE IRRIGATED. IRRIGATION RUN-OFF SHALL NOT SPREAD TO AREAS WITH NATIVE PLANTS.
- FINAL GRADES**
- MINOR MODIFICATIONS TO THE GRADES MAY BE REQUIRED TO ESTABLISH THE FINAL GRADE.
 - CLEAN ALL PLANTING AREAS TO A DEPTH OF TWELVE (12) INCHES, REMOVING ALL WEEDS, DEBRIS, ROCKS, OR OTHER DELETERIOUS MATTER 1" DIAMETER OR LARGER
 - ALL UNDULATIONS AND IRREGULARITIES IN THE PLANTING SURFACES RESULTING FROM TILLAGE, ROTO-TILLING, AND ALL OTHER OPERATIONS SHALL BE LEVELLED AND FLOATED OUT BEFORE PLANTING.
 - THE CONTRACTOR SHALL TAKE EVERY PRECAUTION TO PROTECT AND AVOID DAMAGE TO SPRINKLER HEADS, IRRIGATION LINES, AND OTHER UNDERGROUND UTILITIES DURING GRADING AND CONDITIONING OPERATIONS.
 - CONTRACTOR SHALL COORDINATE ALL DRAINAGE WORK WITH ALL OTHER TRADES. ESTABLISHED SITE DRAINAGE SHALL BE MAINTAINED BY CONTRACTOR DURING ALL PHASES OF LANDSCAPE CONSTRUCTION.
 - FINAL FINISH GRADES SHALL INSURE POSITIVE DRAINAGE OF THE SITE WITH ALL SURFACE DRAINAGE AWAY FROM BUILDINGS, WALLS, AND TOWARD DRAINS AND CATCH BASINS.

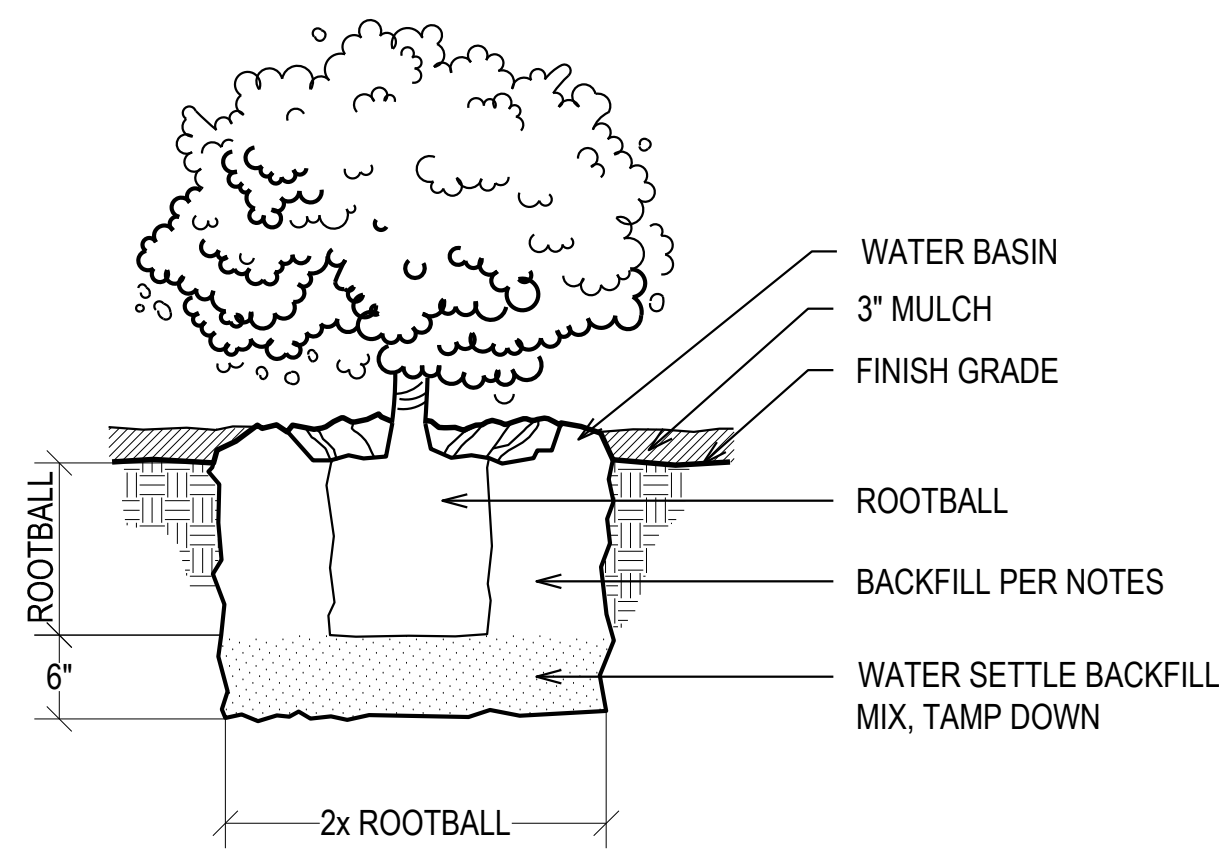
GENERAL PLANTING

- IF THE MOISTURE CONTENT OF THE SOIL SHOULD REACH SUCH A LEVEL THAT WORKING IT WOULD DESTROY THE SOIL STRUCTURE, SPREADING AND GRADING OPERATIONS SHALL BE SUSPENDED UNTIL THE MOISTURE CONTENT IS INCREASED OR REDUCED TO ACCEPTABLE LEVELS AND THE DESIRED RESULTS ARE LIKELY TO OBTAINED
- ACTUAL PLANTING SHALL BE PERFORMED DURING THOSE PERIODS WHEN THE WEATHER AND SOIL CONDITIONS ARE SUITABLE IN ACCORDANCE WITH LOCALLY ACCEPTED HORTICULTURAL PRACTICE AND APPROVED BY THE PROJECT MANAGER.
- THE CONTRACTOR SHALL ONLY INSTALL AS MANY PLANTS PER DAY AS CAN BE WATERED ON THAT SAME DAY. ALL PLANTS SHALL BE THOROUGHLY WATERED INTO THE FULL DEPTH OF EACH PLANTING HOLE IMMEDIATELY AFTER PLANTING.
- LAYOUT: THE CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER 48 HOURS PRIOR TO PLANTING OPERATIONS TO CONFIRM THE LOCATION OF PLANT MATERIALS. LOCATIONS AND QUANTITIES OF PLANT MATERIALS ON THE PLANS ARE APPROXIMATE AND ARE PROVIDED TO SHOW GENERAL INTENT. PLANT LOCATION ADJUSTMENTS SHALL BE PERFORMED BY THE CONTRACTOR AS DIRECTED BY THE PROJECT MANAGER / LANDSCAPE ARCHITECT AT NO ADDITIONAL COST TO THE CITY.
- SOIL CONDITIONING: ALL PLANTING AREAS SHALL HAVE THE FOLLOWING AMENDMENTS TILLED INTO THE TOP 6" OF THE SOIL PER 1000 SQUARE FEET:
 - THREE (3) CUBIC YARDS OF NITROGEN FORTIFIED WOOD COMPOST (TYPE 1 ORGANIC SOIL AMENDMENT).
 - TWO (2) CUBIC YARDS OF ORGANIC FERTILIZER (TYPE 2 ORGANIC SOIL AMENDMENT)
 - 15 POUNDS OF AGRICULTURAL GYPSUM
 - 20 POUNDS OF 12-12-12 QUICK RELEASE COMMERCIAL FERTILIZER THESE QUANTITIES ARE FOR BID BASIS ONLY. REFER TO SOILS REPORTS FOR FINAL QUANTITIES (SEE SPECIFICATIONS).
- CONTRACTOR SHALL SUBMIT COPIES OF RECEIPTS FOR ALL BULK MATERIALS TO SHOW PROOF OF QUANTITIES.
- BACKFILL MIX: ALL PLANTING HOLES, EXCLUDING PLANTING HOLES SMALLER THAN 1 GALLON SHALL HAVE THE FOLLOWING BACKFILL MIXTURE:
 - 70% EXISTING TOPSOIL
 - 30% NITROGEN FORTIFIED WOOD COMPOST (TYPE 1 ORGANIC SOIL AMENDMENT) (FOR AZALEAS, SUBSTITUTE 30% PEAT MOSS)
 - 2 POUNDS PER CUBIC YARD OF IRON SULFATE AND THE FOLLOWING AMOUNT OF PLANTING TABLETS:
 - 15 GAL. PLANT = FIVE (5) TABLETS
 - 5 GAL. PLANT = THREE (3) TABLETS
 - 1 GAL. PLANT = ONE (1) TABLET
 - ONE(1) TABLET PER 4" BOX SIZE

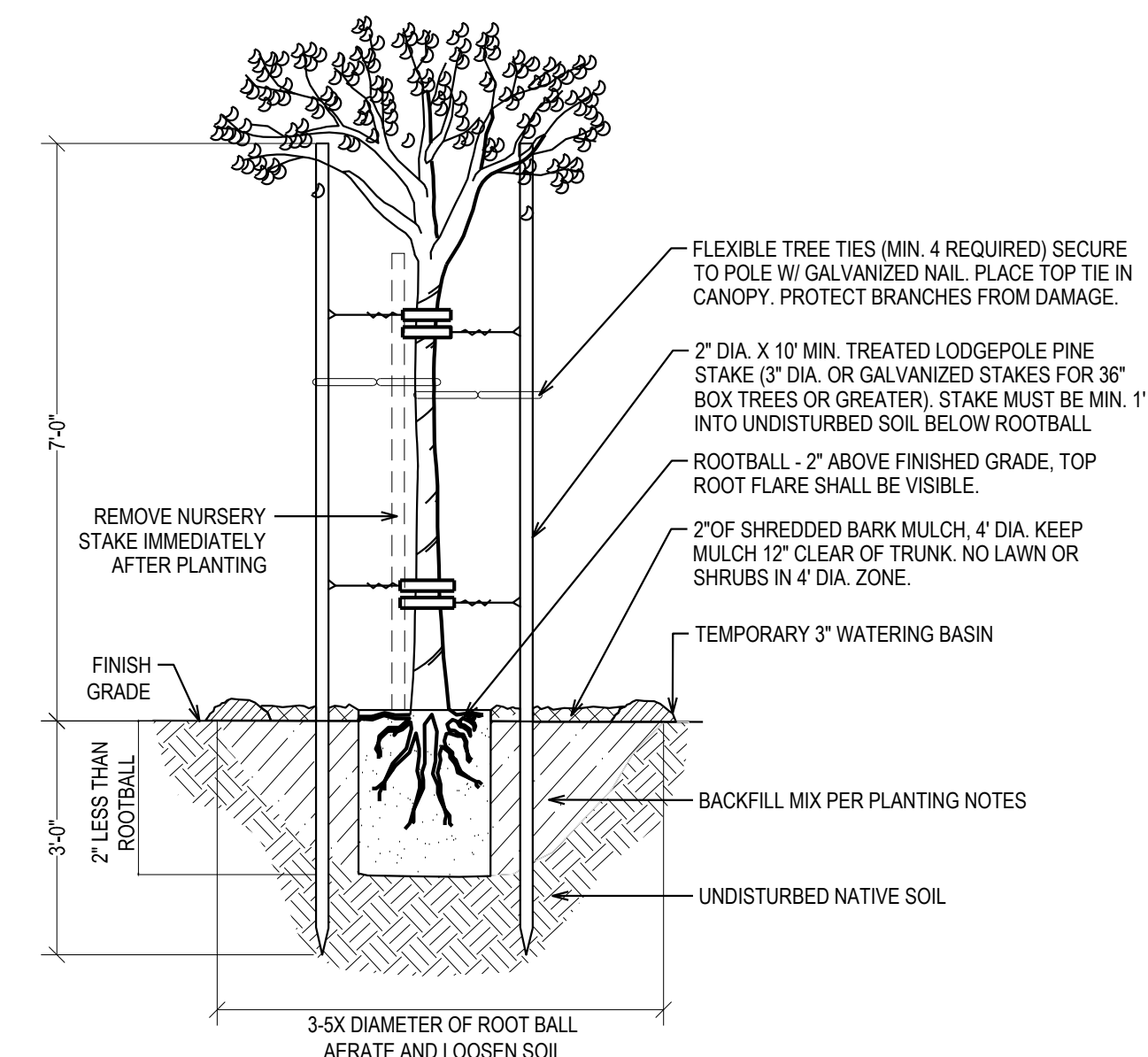
- EACH TREE OR SHRUB SHALL BE PLACED IN THE CENTER OF THE HOLE AND SHALL BE SET PLUMB AND HELD RIGIDLY IN POSITION UNTIL THE PLANTING BACK FILL HAS BEEN TAMPED DOWN AROUND EACH ROOT BALL.
- ALL PLANTS SHALL BE SET AT SUCH A LEVEL THAT AFTER SETTLING THEY ARE 1" HIGHER THAN THE SURROUNDING FINISH GRADE, UNLESS OTHERWISE NOTED ON THE PLANTING LEGEND.
- MULCH: APPLY 3" OF TYPE 5 MULCH IN ALL PLANTING AREAS.
- FERTILIZER: THE CONTRACTOR SHALL APPLY AN 8-8-4 COMMERCIAL SLOW RELEASE FERTILIZER TO ALL PLANTING AREAS AT A RATE OF 20 POUNDS PER 1000 SQUARE FEET UPON COMPLETION OF THE GROUND COVER PLANTING AND AT THIRTY DAY INTERVALS THEREAFTER UNTIL THE END OF THE PLANT ESTABLISHMENT PERIOD. THOROUGHLY WATER ALL PLANTING AREAS FOLLOWING THE APPLICATION OF THE FERTILIZER. ALL FERTILIZER APPLICATIONS SHALL BE PERFORMED UNDER INSPECTION BY THE PROJECT MANAGER.
- ROOT BARRIERS: TREE ROOT CONTROL BARRIERS SHALL BE INSTALLED WHERE INDICATED ON THE PLANTING PLAN. INSTALL ROOT BARRIERS ADJACENT AND PARALLEL TO THE EDGE OF THE HARDSCAPE PER MANUFACTURERS RECOMMENDATION. ROOT BARRIERS ARE TO BE LINEAR, DO NOT ENCIRCLE THE ROOT BALL. MIN. LENGTH OF BARRIER TO BE 20', CENTERED ON TREE TRUNK.
- INSPECTIONS: ALL WORK AND MATERIALS ARE SUBJECT TO INSPECTION AND APPROVAL IN ADDITION TO INSPECTIONS REQUIRED BY THE STANDARD PLANS SPECIFICATIONS. THE FOLLOWING INSPECTIONS ARE REQUIRED:
 - IRRIGATION SYSTEM PRESSURE TESTING
 - IRRIGATION COVERAGE TEST
 - IRRIGATION SYSTEM OPERATIONS TEST
 - TAGGING OF PLANT MATERIAL 15 GALLON AND LARGER AT THEIR SOURCE.
 - APPROVAL OF ALL PLANT MATERIAL AT THE SITE PRIOR TO PLANTING OPERATIONS.
 - CONFIRMATION AND APPROVAL OF PLANT MATERIAL LOCATION AND SPACING PRIOR TO PLANTING.
 - PRE-MAINTENANCE FINAL LANDSCAPE INSPECTION.
 - POST-MAINTENANCE FINAL LANDSCAPE INSPECTION.
- RECYCLING: THE CONTRACTOR SHALL RECYCLE ON-OR OFF-SITE ALL VEGETATIVE WASTE.

MAINTENANCE PERIOD

- PLANT ESTABLISHMENT PERIOD: THE CONTRACTOR SHALL PROVIDE A PLANT ESTABLISHMENT PERIOD FOR A LENGTH OF 90 CALENDAR DAYS. ARRANGE FOR A PRE-MAINTENANCE FINAL INSPECTION TO START THE PLANT ESTABLISHMENT PERIOD BY CONTACTING THE PROJECT MANAGER AND THE LANDSCAPE ARCHITECT.
- PLANT REPLACEMENT: THE CONTRACTOR SHALL REPLACE AS SOON AS POSSIBLE, ANY PLANT THAT SHOWS SIGNS OF FAILURE TO GROW AT ANY TIME DURING THE CONTRACT PERIOD OR THOSE PLANTS THAT ARE INJURED OR SO DAMAGED AS TO RENDER THEM UNSUITABLE FOR THE PURPOSE INTENDED. PROVIDE REPLACEMENT PLANTS OF THE SAME TYPE AND SIZE, AND INSTALL THEM PER THE PLANTING SPECIFICATION.
- RESTORATION OF DAMAGED AREAS: THE CONTRACTOR SHALL RESTORE ALL LANDSCAPED AREAS TO THEIR ORIGINAL CONDITION THAT ARE NOT SPECIFICALLY PROVIDED FOR BY THESE PLANS, BUT HAVE BEEN IMPACTED BY CONSTRUCTION. PROVIDE ALL NECESSARY MATERIAL, INCLUDING IRRIGATION EQUIPMENT, SOIL, SOIL AMENDMENTS, PLANTS OF THE SAME SPECIES, KINDS, AND SIZED, ETC. TO THE SATISFACTION OF THE PROJECT MANAGER AND THE LANDSCAPE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
- GUARANTEES: THE CONTRACTOR SHALL WARRANT ALL TREES 15 GALLON SIZED AND LARGER FOR ONE YEAR AND ALL SHRUBS SHALL BE WARRANTED FOR A PERIOD OF SIX MONTHS. THE WARRANTY PERIOD SHALL BEGIN UPON THE DATE OF THE FINAL POST MAINTENANCE ACCEPTANCE. THIS WARRANTY DOES NOT INCLUDE ITEMS DAMAGED DUE TO THE CITY'S NEGLECT AND/OR TO ACTS OF GOD.



2 SHRUB PLANTING



- NOTES:
- STAKES SHALL NOT PIERCE ROOTBALL & SHALL EXTEND INTO UNDISTURBED SOIL.
 - PLACE FLEXIBLE TREE TIES ACCORDING TO MANUFACTURERS RECOMMENDATIONS.
 - ALL EXCESS SOIL SHALL BE REMOVED FROM THE TOP OF THE ROOT BALL EXPOSING THE ROOT FLARE.
 - ROOT PRUNE 1/2" OFF ALL SIDES OF ROOT BALL WITH A SHARP KNIFE.

1 TREE PLANTING

3 PLANTING NOTES



WITHERS & SANDGREN
LANDSCAPE ARCHITECTURE + PLANNING

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CHATSWORTH, CA 91311
818-291-0200
mail@withersandsandgren.com

PLANTING NOTES & DETAILS

SHEET TITLE

PLEASANT VALLEY
PARK & RECREATION DISTRICT
1605 E BURNLEY STREET
CAMARILLO, CA 93010

OWNER

ARNEILL RANCH PARK
1301 SWEETWATER AVENUE
CAMARILLO, CA 93010

PROJECT TITLE

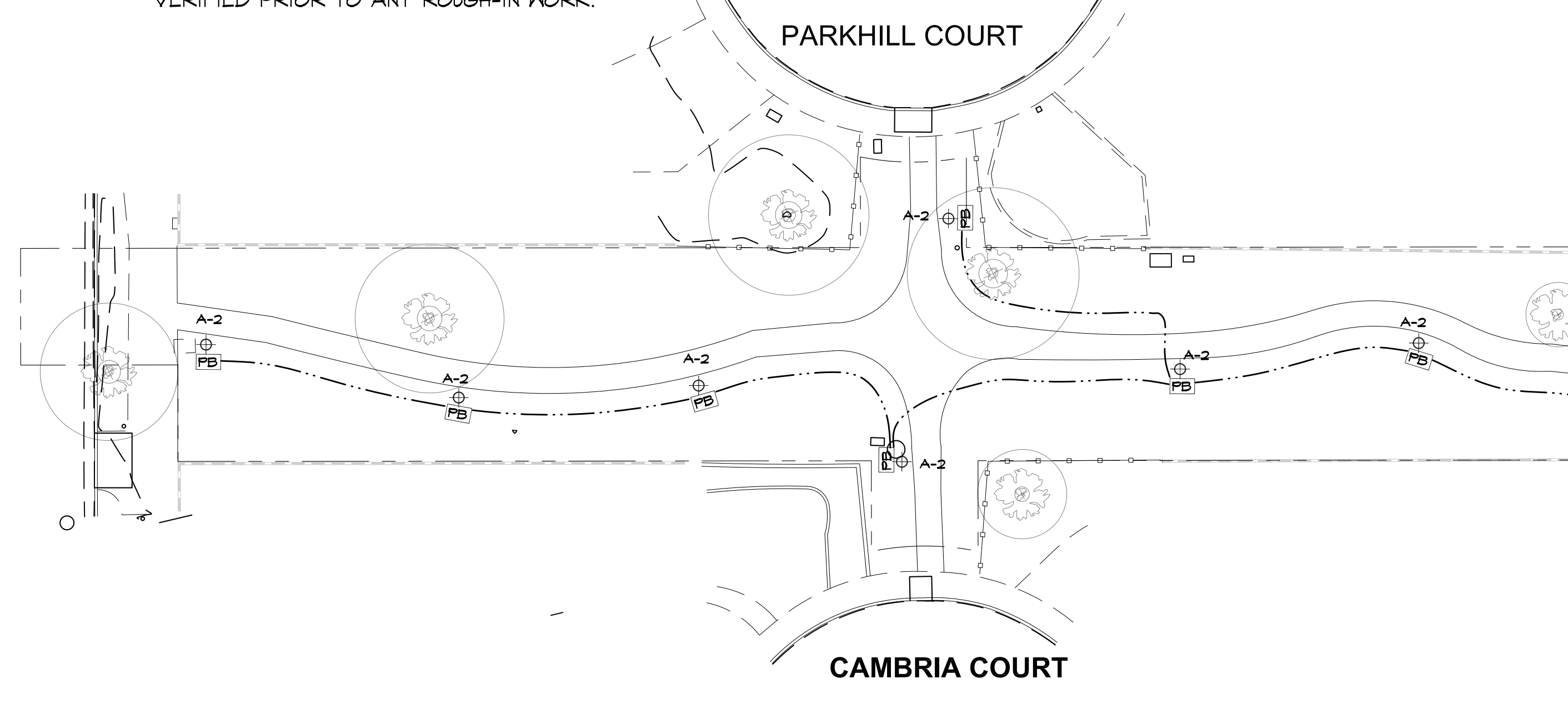
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PROJECT NO. 0964
DATE: 30 APR 2021



ELECTRICAL CONSTRUCTION NOTES

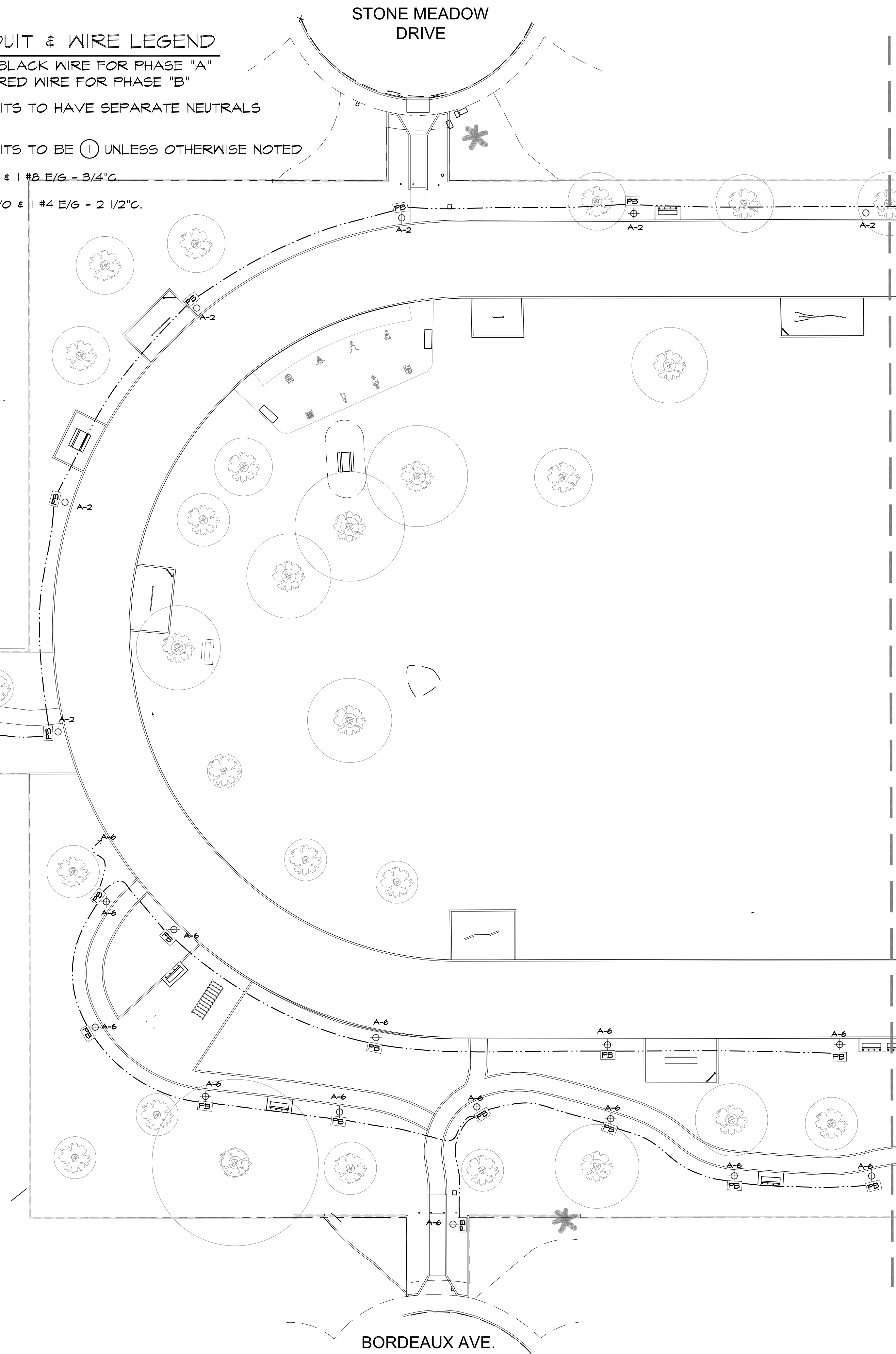
1. PROVIDE ALL MATERIALS AND LABOR AS REQUIRED TO ACHIEVE A COMPLETE AND OPERATING SYSTEM.
2. COORDINATE AND OBTAIN APPROVALS FROM ALL RESPECTIVE UTILITY COMPANIES AS REQUIRED FOR A COMPLETE AND OPERATING INSTALLATION.
3. INSTALL RACEWAY SYSTEMS AS FOLLOWS:
 - a. USE P.V.C. SCH 80 WHEN PENETRATING SLAB.
 - b. USE COMPRESSION TYPE FITTINGS FOR ELECTRICAL METALLIC TUBING WHERE UTILIZED.
 - c. USE P.V.C. SCH 40 CONDUIT UNDERGROUND WITH CODE SIZED GROUND.
4. ALL WIRING SHALL BE STRANDED COPPER TYPE "THIN/THIN" #8 - U.O.N. SEE MEGGER TEST NOTE.
5. ALL FIXTURE, DEVICE, ETC... LOCATIONS SHALL BE VERIFIED WITH ARCH. DRAWINGS AS WELL AS EQUIPMENT SUPPLIER REQUIREMENTS PRIOR TO ANY ROUGH-IN WORK.
6. ALL LIGHTING FIXTURES SHALL BE MOUNTED AND SUPPORTED IN ACCORDANCE WITH OSHA STANDARDS AND ALL NATIONAL AND LOCAL ELECTRICAL CODES.
7. THESE DRAWINGS ARE DIAGRAMMATIC AND REPRESENT THE INTENT OF EQUIPMENT, DEVICES, ETC... TO BE CONNECTED AND THE CIRCUITS TO WHICH THEY ARE TO BE CONNECTED TO. CONTRACTOR SHALL INSTALL ALL CONDUIT, J-BOXES, ETC... AS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM.
8. ALL EXTERIOR EQUIPMENT SHALL BE UL LISTED FOR WET LOCATIONS.
9. ELECTRICAL CONTRACTOR SHALL PERFORM ALL WORK IN STRICT ACCORDANCE WITH ALL LOCAL AND NATIONAL GOVERNING CODES.
10. ALL EQUIPMENT SHALL BE NEW AND BEAR A "UL" LABEL - U.O.N.
11. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN THE NECESSARY INSPECTIONS.
12. COMPLETE ELECTRICAL INSTALLATION SHALL BE GUARANTEED IN WRITING FOR A PERIOD OF (1) YEAR - U.O.N.
13. ELECTRICAL CONTRACTOR SHALL VISIT SITE PRIOR TO BID DATE, TO VERIFY ALL EXISTING CONDITIONS TO BE ENCOUNTERED IN THE INSTALLATION OF ALL NEW EQUIPMENT, FIXTURES DEVICES, FEEDERS, ETC. EXACT INSTALLATION METHOD AND REQUIREMENTS SHALL BE VERIFIED AND DETERMINED PRIOR TO BID DATE. CONTRACTORS SHALL IMMEDIATELY NOTIFY THIS ENGINEER OF ANY REQUIRED MODIFICATIONS WHICH ARE NOT SHOWN ON THESE DRAWINGS. SUBMITTAL OF BID INDICATES CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED.
14. ALL EQUIPMENT ELECTRICAL CHARACTERISTICS, LOCATIONS, AND CONNECTION REQUIREMENTS SHALL BE VERIFIED PRIOR TO ANY ROUGH-IN WORK.



15. ELECTRICAL CONTRACTOR SHALL FURNISH THE FOLLOWING SHOP DRAWINGS FOR APPROVAL:
 - a. ALL LIGHT FIXTURES.
 - b. ALL ELECTRICAL EQUIPMENT, FULL BOXES AND ANCILLIARY EQUIPMENT
 - c. CONCRETE MIX DESIGN.
 THESE ITEMS SHALL BE APPROVED BY THIS OFFICE PRIOR TO ANY COMMENCEMENT OF PLACING ORDERS OR PERFORMING ANY ROUGH-IN WORK.
16. COMPLETE ELECTRICAL SYSTEM SHALL BE GROUNDED IN ACCORDANCE WITH THE PRESENTLY ADOPTED EDITION OF THE N.E.C. ART. 250.
17. PROVIDE THE OWNER AND THIS ENGINEER WITH ONE SET OF ELECTRICAL "AS-BUILTS" AT THE COMPLETION OF JOB.
18. TRENCHES SHALL BE DEEP ENOUGH TO ALLOW FOR 24" OF COVER OVER THE CONDUITS.
19. BACKFILL OF TRENCHES UNDER AREAS WHERE ASPHALT, CONCRETE OR VEHICULAR PAVING WILL BE PLACED, SHALL BE COMPACTED BY THE FOLLOWING MEANS; PROPERLY MOISTEN SOIL, PLACE INTO TRENCHES IN LIFTS OF 8", MAKE THREE (3) PASSES WITH A "STOMPER" TYPE COMPACTION DEVICE, REPEAT TO TOP OF TRENCH. TRENCHES SHALL ACHIEVE 95% RELATIVE COMPACTION.
20. SPLICES IN UNDERGROUND FULL BOXES SHALL BE WATERPROOF. USE SCOTCHCAST #4 ELECTRICAL INSULATING RESIN, OR (2) WRAPS OF SCOTCH #23 RUBBER TAPE WITH (2) WRAPS OF SCOTCH #88 BLACK TAPE AND (3) COATS OF SCOTCHKOTE ELECTRICAL COATING.
21. ALL PANELS, RELAYS, CABINETS, ETC. SHALL HAVE PHENOLIC LABELS ATTACHED. LABELS SHALL STATE THE EQUIPMENT CALL-OUT & BE 1-1/4" x 3" - WHITE ON BLACK.
22. ELECTRICAL CONTRACTOR SHALL PERFORM ALL WORK IN STRICT ACCORDANCE WITH ALL LOCAL AND NATIONAL GOVERNING CODES.

CONDUIT & WIRE LEGEND

- PROVIDE BLACK WIRE FOR PHASE "A"
 PROVIDE RED WIRE FOR PHASE "B"
 ALL CIRCUITS TO HAVE SEPARATE NEUTRALS
- ALL CIRCUITS TO BE ① UNLESS OTHERWISE NOTED
- ① 2#8 & 1 #2 E/G - 3/4" C.
 - ② 3#4/0 & 1 #4 E/G - 2 1/2" C.



MATCH LINE SEE SHEET SE1.02



ELECTRICAL PLAN

PLEASANT VALLEY
 PARK & RECREATION DISTRICT
 1605 E BURNLEY STREET
 CAMARILLO, CA 93010

ARNEILL RANCH PARK
 1301 SWEETWATER AVENUE
 CAMARILLO, CA 93010

REVISIONS	DATE	PROJECT TITLE	OWNER
1		ARNEILL RANCH PARK	PLEASANT VALLEY PARK & RECREATION DISTRICT
2			
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8			

DRAWN BY: ID
 CHECKED BY: RO
 PROJECT NO. 0964
 DATE: 24 FEB 2021



WEST COAST DESIGN GROUP
 ELECTRICAL & LIGHTING ENGINEERS
 303 BAY VIEW TERRACE
 COSTA MESA, CA 92627
 (949) 735-1000



WITHERS & SANDGREN
 LANDSCAPE ARCHITECTURE + PLANNING
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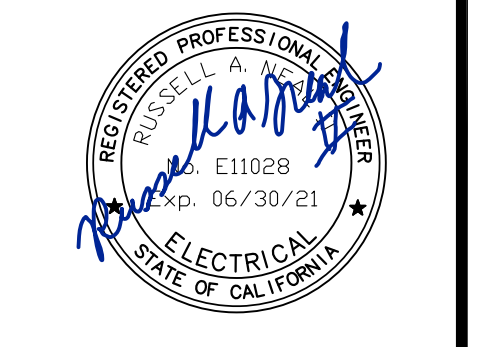
ELECTRICAL PLAN

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 1605 E BURNLEY STREET
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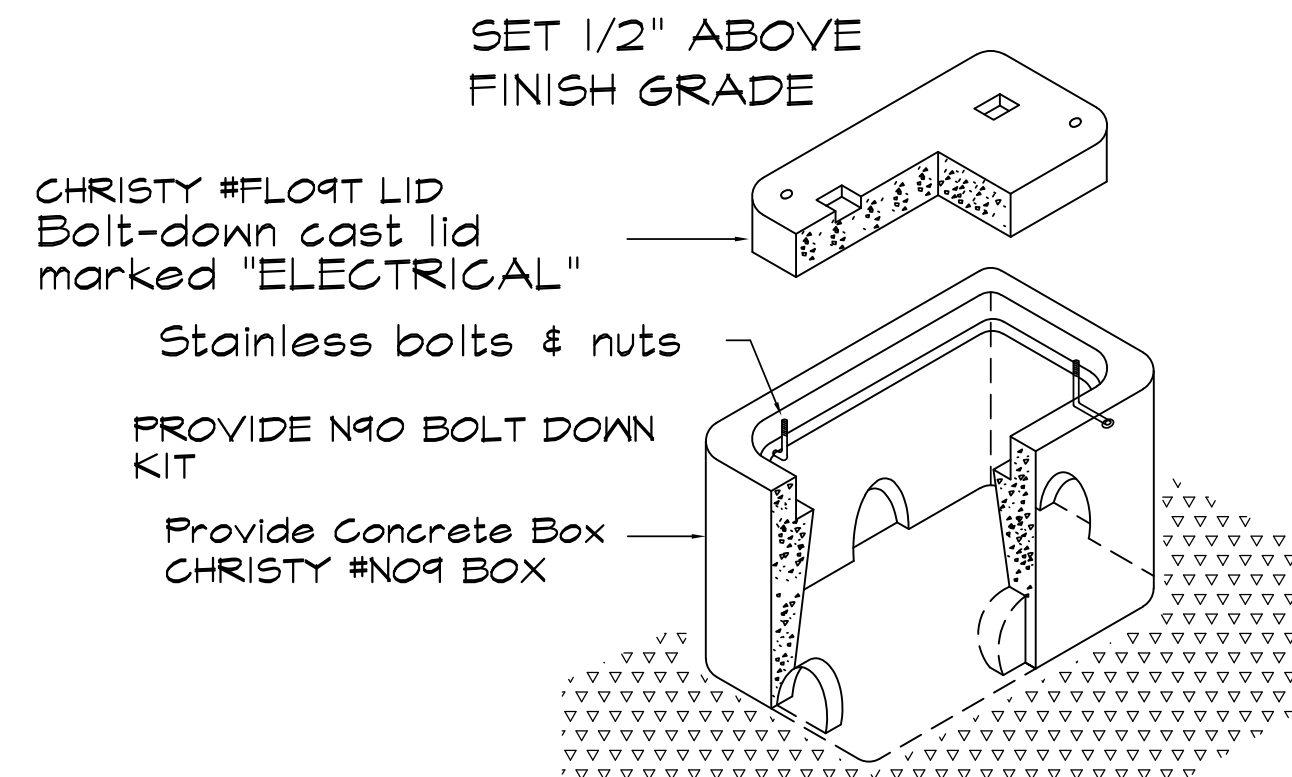
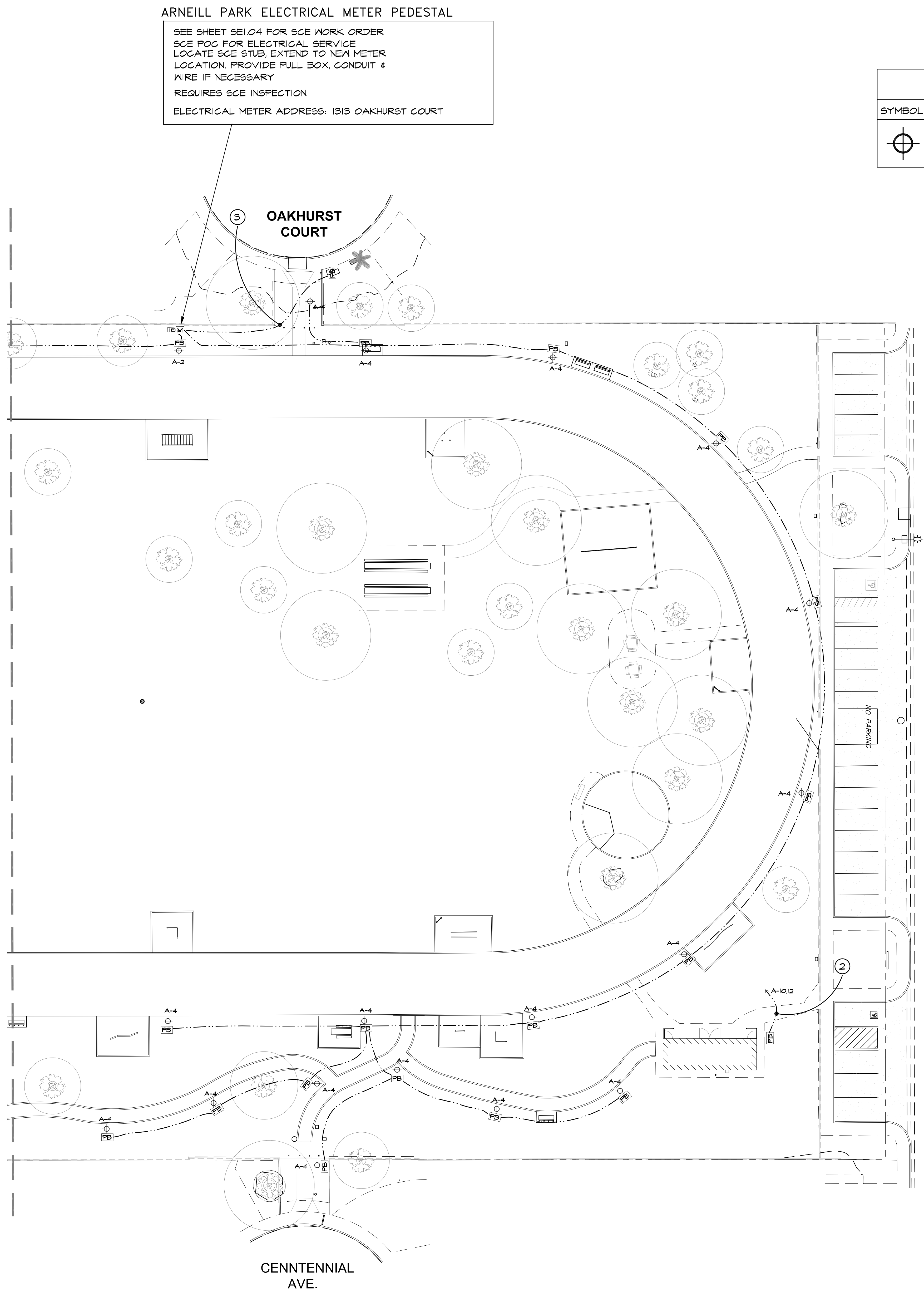
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LIGHTING FIXTURE SCHEDULE						
SYMBOL	TYPE	MANUFACTURER CATALOG#	LAMP QTY. & TYPE	FIXTURE WATTAGE	VOLTS	REMARKS / MOUNTING
	A	KIM # FATR-CT-LY-5-12L-020-3KT-42A-DB-UNV	22W LED MODULE	22	120	PROVIDE CONCRETE FOOTING FINISH TO MATCH ADJACENT SIDEWALK

CONDUIT & WIRE LEGEND

PROVIDE BLACK WIRE FOR PHASE "A"
 PROVIDE RED WIRE FOR PHASE "B"
 ALL CIRCUITS TO HAVE SEPARATE NEUTRALS
 ALL CIRCUITS TO BE ① UNLESS OTHERWISE NOTED
 ① 2#8 & 1 #8 E/G - 3/4" C.
 ② 3#4/0 & 1 #4 E/G - 2 1/2" C.
 ③ 3" C.O. FROM SCE HANDHOLD TO NEW PEDESTAL

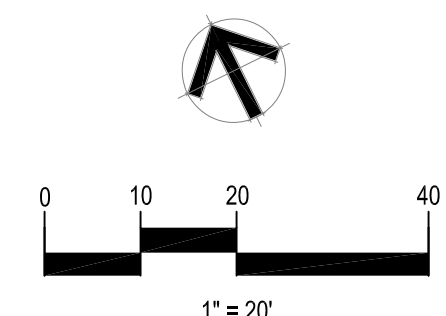
MATCH LINE SEE SHEET SE1.01



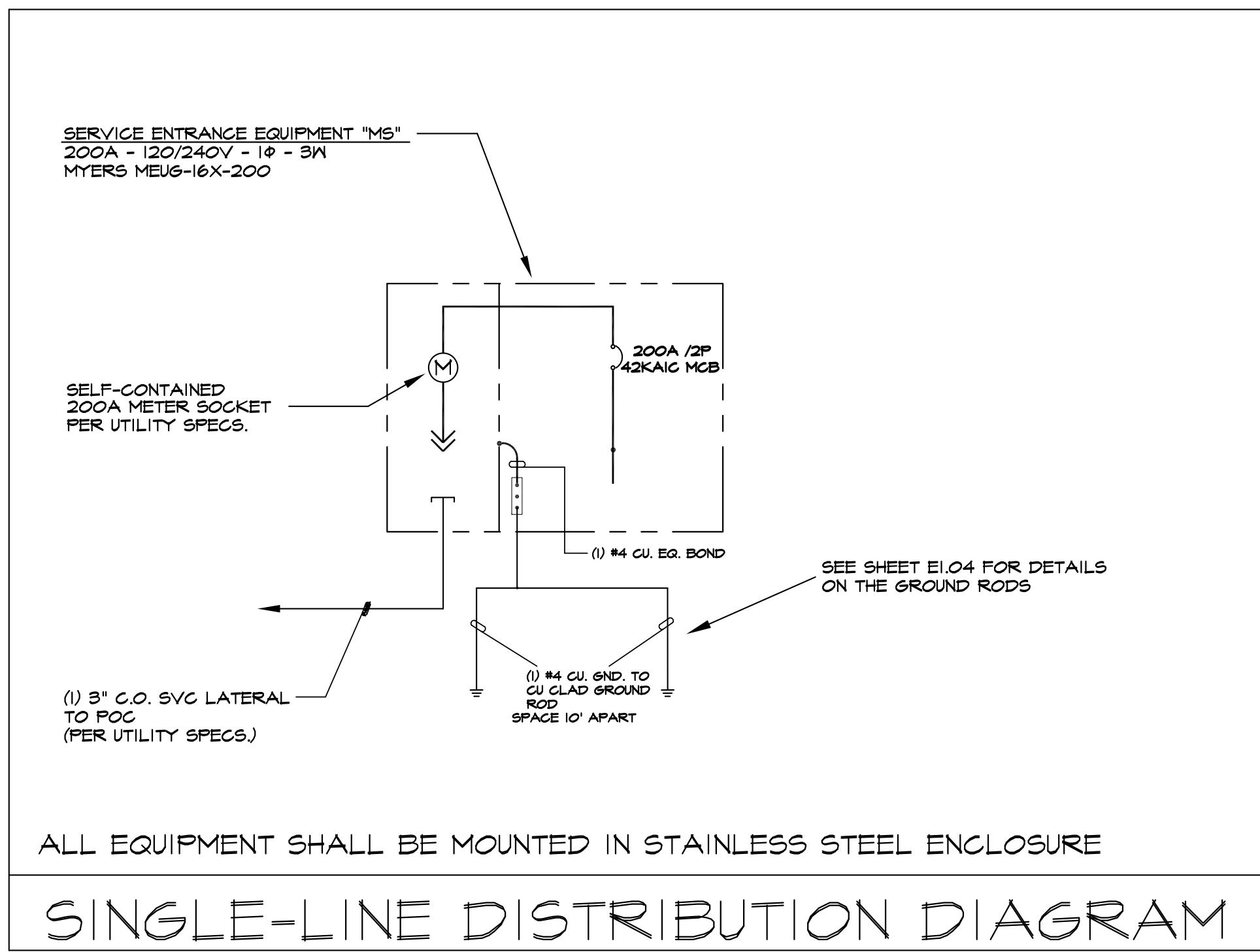
PLACE FULL BOX ON 12" OF CRUSHED ROCK. ROCK BASE SHALL BE 6" LARGER IN ALL DIMENSIONS THAN FULL BOX. ROCK TO BE 3/4" NOMINAL. ALL WIRES SHALL BE ABLE TO EXTEND A MINIMUM OF 18" OUT OF BOX. INSTALL CONDUITS TO BE STUBBED UP HALFWAY INTO FULL BOX

ALL WIRE TERMINATIONS SHALL USE EITHER IMMERSION RATED SPLICE KITS OR LISTED DIRECT BURY WIRE NUTS. INSTALL PER MFG. INSTRUCTIONS PER NEC ARTICLE 314.30(C). ALL ENCLOSED CONDUCTORS AND ANY SPLICES OR TERMINATIONS, IF PRESENT, SHALL BE LISTED AS SUITABLE FOR WET LOCATIONS.

CONCRETE PULL BOX DETAIL
 NO SCALE

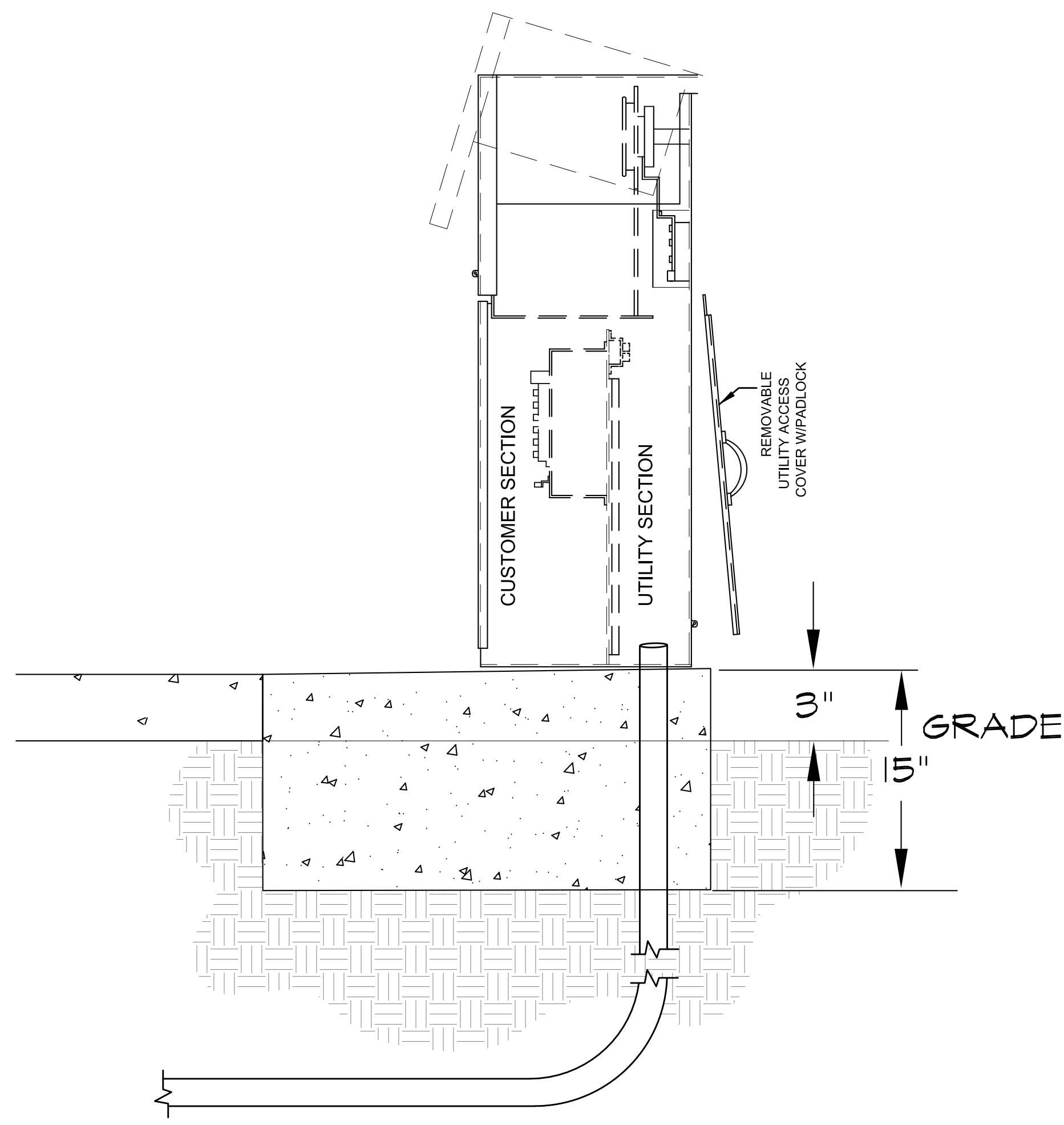


WEST COAST DESIGN GROUP
 ELECTRICAL & LIGHTING ENGINEERS
 303 BAY VIEW TERRACE
 COSTA MESA, CA 92627
 (949) 735-1000



NOTES:

1. COMBINATION METER/LOADCENTER CAN BE UTILIZED WITH APPROVAL FROM SCE.
2. SERIES CONNECTED RATING OF BREAKERS MUST BE USED. ALL OF THE BREAKERS MUST BE OF THE SAME MANUFACTURER AND U.L. LISTED FOR SERIES RATING. THE ASSEMBLY MUST BE RATED TO HANDLE THE AVAILABLE FAULT CURRENT AT THE APPLIED VOLTAGE.
3. THE EQUIPMENT SHALL CLEARLY LABELLED "CAUTION SERIES RATED SYSTEM 42,000A AVAILABLE FAULT CURRENT. IDENTIFIED REPLACEMENT COMPONENT REQUIRED".
4. ELECTRICAL SERVICE IS BASED ON MAXIMUM SHORT CIRCUIT CURRENT OF 42KAIC AT THE SERVICE POINT. VERIFY THIS VALUE WITH SCE AND REQUEST A LETTER WITH ACTUAL AVAILABLE FAULT CURRENT PRIOR TO ORDERING SERVICE EQUIPMENT. IF VERIFIED VALUE DIFFERS CONTACT ARCHITECT. PROVIDE COPY OF LETTER WITH SUBMITTALS.

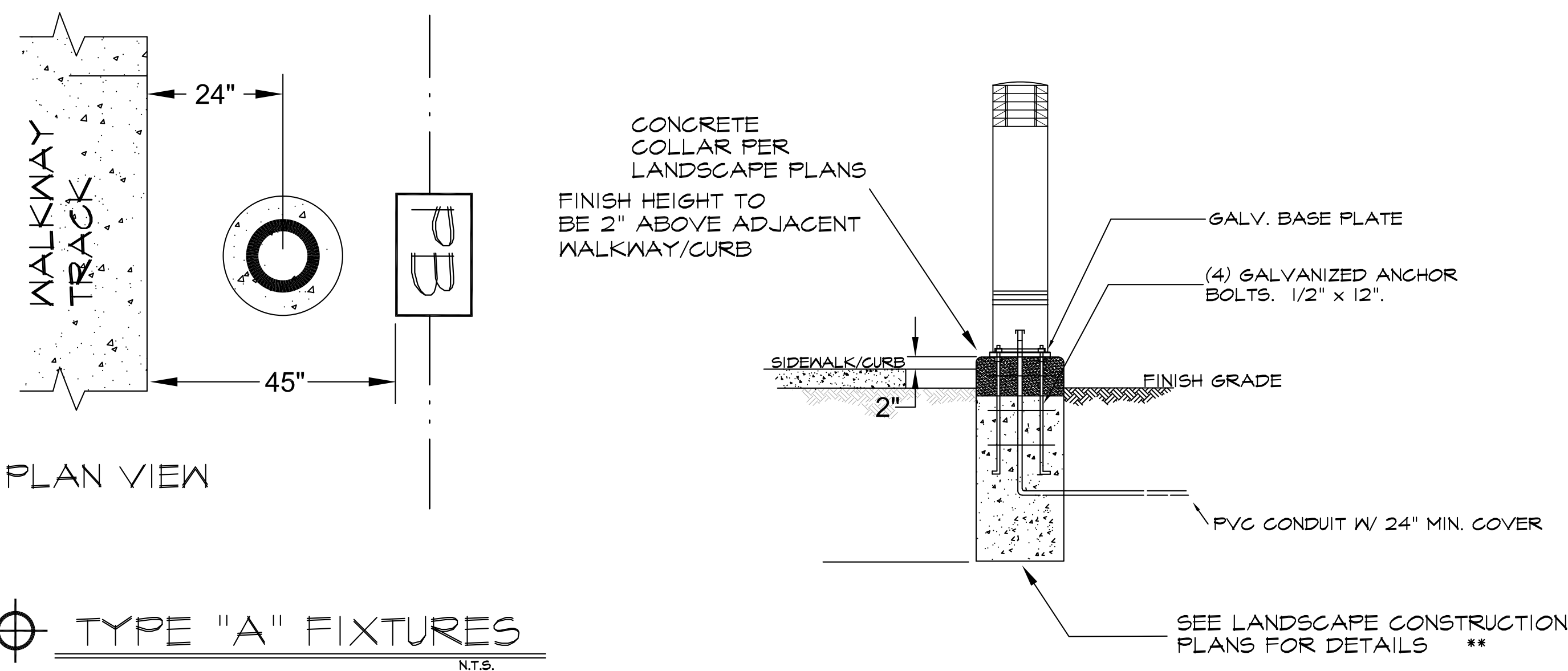
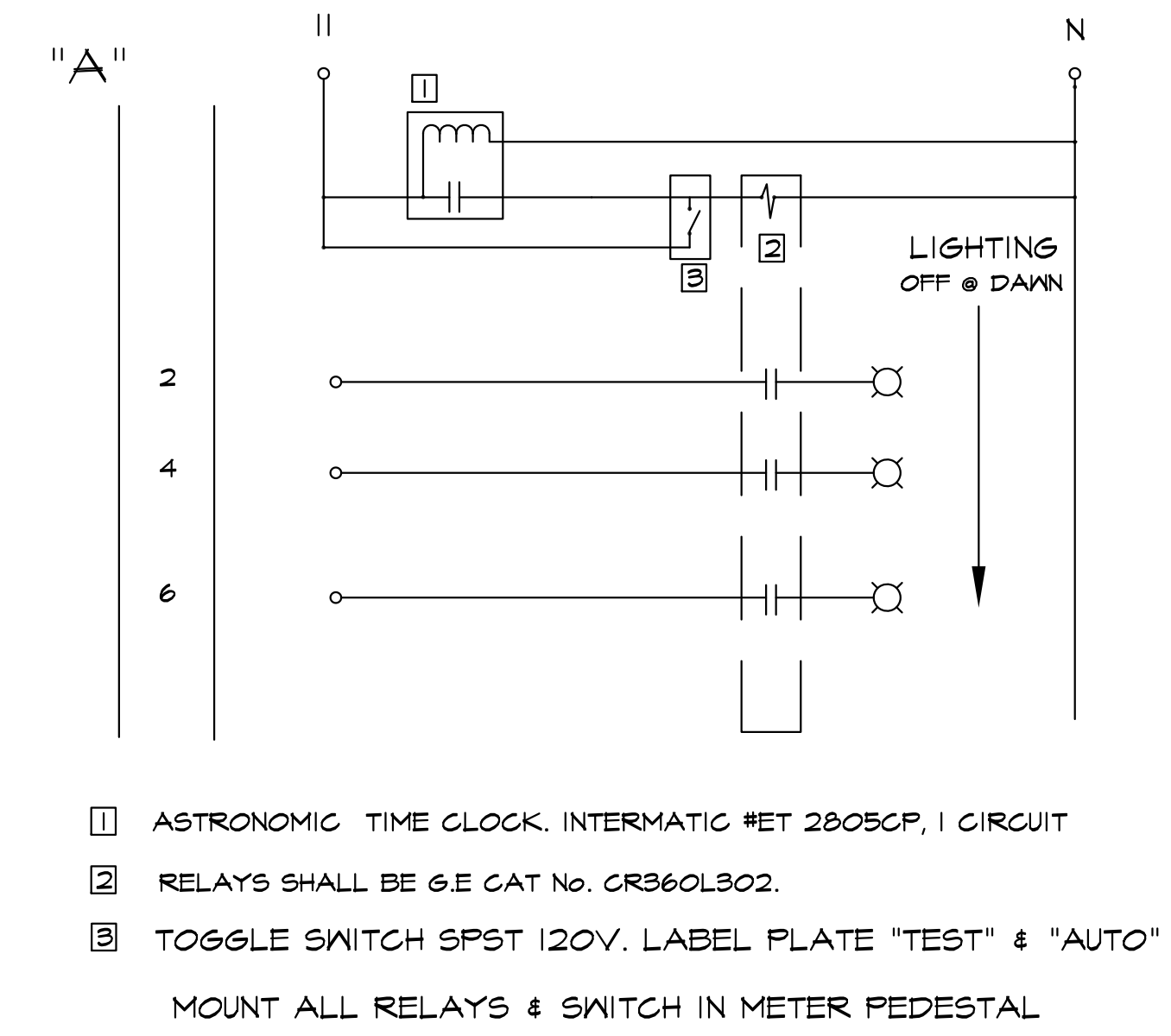


CIRCUIT SCHEDULE

PANEL: A @ MAIN METER VOLTAGE: 120/240
STATION XX+XX PHASE: 1P, 3W BUS SIZE: 200A
MOUNTING: PEDESTAL - NEMA 3R MAIN: 200A - 2P A.I.C.: 42KAIC

CKT #	LOAD	BKR	AMPS		BKR	LOAD	CKT #
			L1	L2			
1	MAIN BREAKER	2/200	XX	3	1/20	* WALKWAY LIGHTS	2
2	MAIN BREAKER	2/200	XX	4	1/20	* WALKWAY LIGHTS	4
3	SPACE	1/20		3	1/20	* WALKWAY LIGHTS	6
4	SPACE	1/20			1/20	SPACE	8
5	IRRIGATION CONTROLLER	1/20	3	75	2/100	RESTROOM BUILDING	10
6	LIGHTING CONTROLS	1/20	2	75	2/100	RESTROOM BUILDING	12
TOTALS			84	81			

* CIRCUITS CONTROLLED BY TIMELOCK & (2) 2P 30A RELAYS. MOUNT RELAYS IN METER PEDESTAL. RELAYS SHALL BE GE CAT No. CR360L302. TIMELOCK TO BE INTERMATIC #ET 2805CP, NO SUBSTITUTION. PROVIDE "TEST-AUTO" SWITCH IN CABINET.



ALL EXPOSED CONCRETE SHALL MATCH ADJACENT COLOR AND FINISH AND SHALL BE DONE BY A CONCRETE CONTRACTOR.

** SEVERE SULFATE SOIL EXPOSURE REQUIRES CONCRETE IN CONTACT WITH SOIL SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4500 PSI, TYPE V CEMENT AND A WATER/CEMENT RATIO OF 0.45 UNLESS SOILS REPORT SHOWS OTHERWISE.

FRONT VIEW, SIDE VIEW, BOTTOM VIEW MOUNTING SLOT DETAIL

CATALOG NO.	AMPS	VOLTAGE	MAIN	AIC RATING
MEUG16X-M200	200	120/240	200	42,000

* PAD MOUNTING BASE NOT INCLUDED.

MEUG16X-200 MYERS TYPE MEUG16X SPECIFICATIONS

- METER SOCKET 4 JAW 200 AMPS.
- METER SOCKET WITH TEST BLOCKS.
- STANDARD VOLTAGE 120/240V 1P 3W.
- 12 CIRCUIT COPPER BUSSED INTERIOR.
- MAIN BREAKER 200 AMP AMP 42KAIC.
- UTILITY LANDING LUGS 200 AMPS.
- UTILITY TEST SECTION.
- RAINFOOF TYPE 3R ENCLOSURE.
- HINGED DOOR & DEADFRONT.
- MEETS EUSERC 308 REQUIREMENTS.

- TEST SWITCH, TIME CLOCK & LIGHTING RELAYS, AS SHOWN.
- STAINLESS STEEL CONSTRUCTION.
- LISTED BY UNDERWRITERS LABORATORIES, INC.
- PAD MOUNT BASE AVAILABLE FOR CONCRETE FOUNDATION.
- 12 CIRCUIT COPPER BUSSED INTERIOR WILL ACCEPT PLUG-IN BREAKERS (IE, CUTLER-HAMMER/ WESTINGHOUSE, ITE, CROUSE-HINDSMURRAY).
- VANDAL-RESISTANT ENCLOSURE HAS SIDE-HINGED DOOR AND DEADFRONT FOR EASY INSTALLATION AND MAINTENANCE.
- ALL FACTORY WIRING IS 600 VOLT RATED COPPER.

ARNEILL PARK ELECTRICAL METER DETAIL-SPECIFICATIONS
NO SCALE

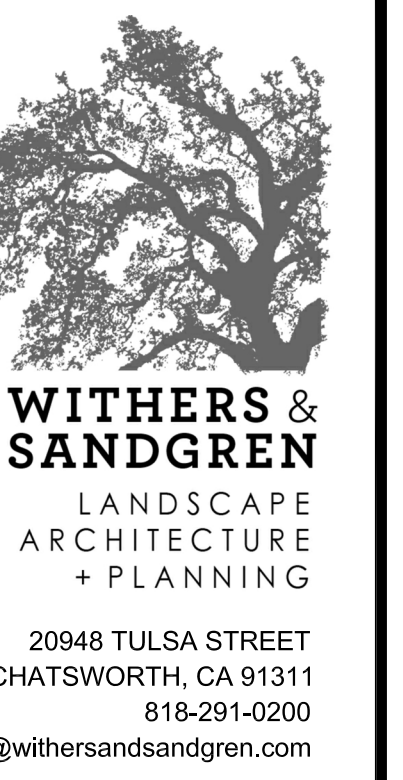
LEGEND:



ELECTRICAL METER ENCLOSURE TO BE STAINLESS STEEL. SEE SHEET E-102 FOR LOCATION COORDINATE INSTALLATION WITH LOCAL INSPECTION AUTHORITY AND SCE. PROVIDE 15" THICK CONCRETE PAD - 6" LARGER THAN BASE DIMENSIONS, RAISED 3" ABOVE GRADE. EXACT LOCATIONS TO BE COORDINATED WITH THE LANDSCAPE ARCHITECT. COORDINATE SCE SERVICE DUCT WITH SEPARATE UTILITY PLANS. PROVIDE (2) 10" x 5/8" COPPER CLAD GROUND RODS AS SHOWN ON SHEET E1.04. PROVIDE LISTED WELDED CONNECTIONS FOR GROUNDING & BONDING.



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ELECTRICAL DETAILS

SHEET TITLE

PLEASANT VALLEY
PARK & RECREATION DISTRICT
1605 E BURNLEY STREET
CAMARILLO, CA 93010

OWNER

ARNEILL RANCH PARK
1301 SWEETWATER AVENUE
CAMARILLO, CA 93010

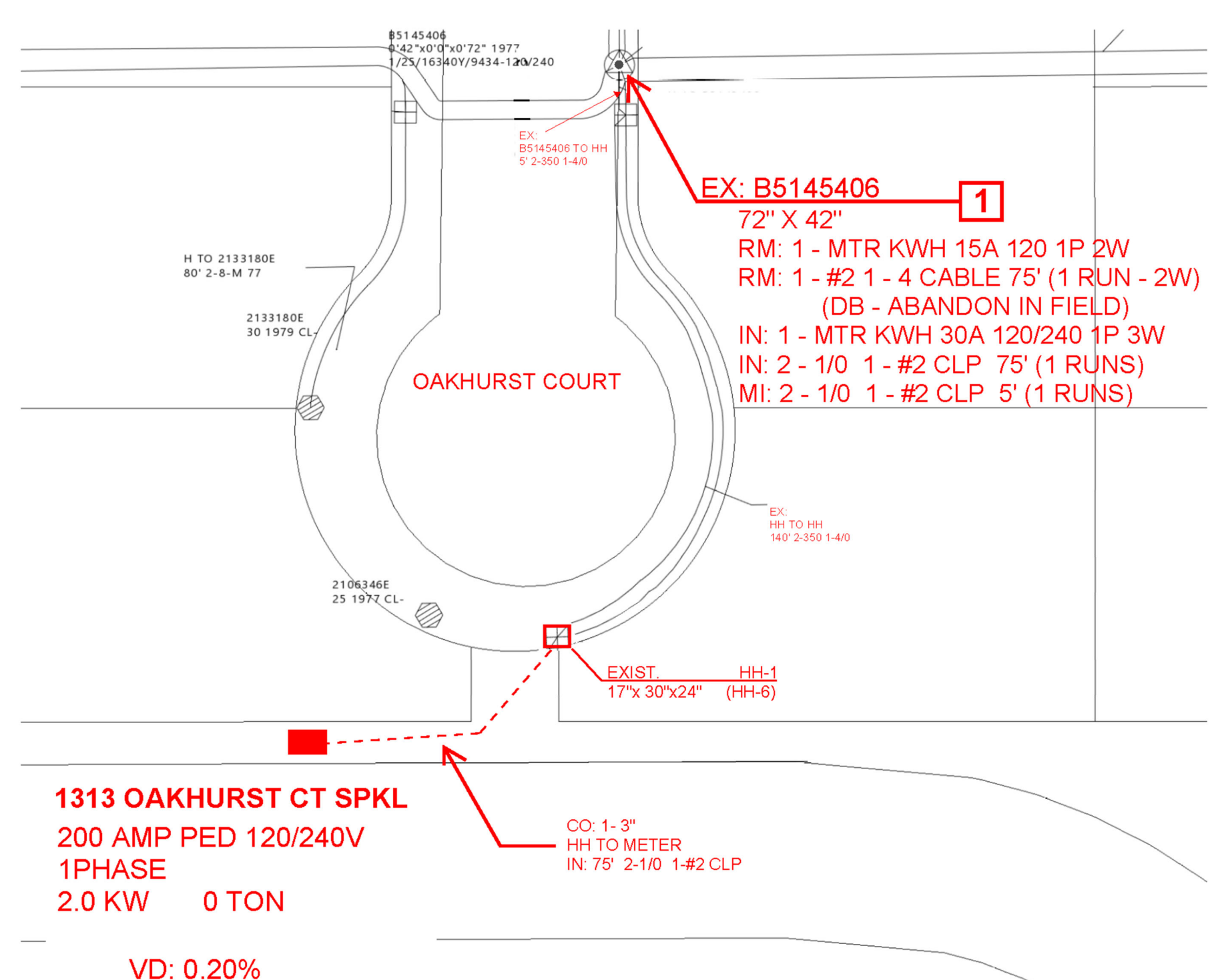
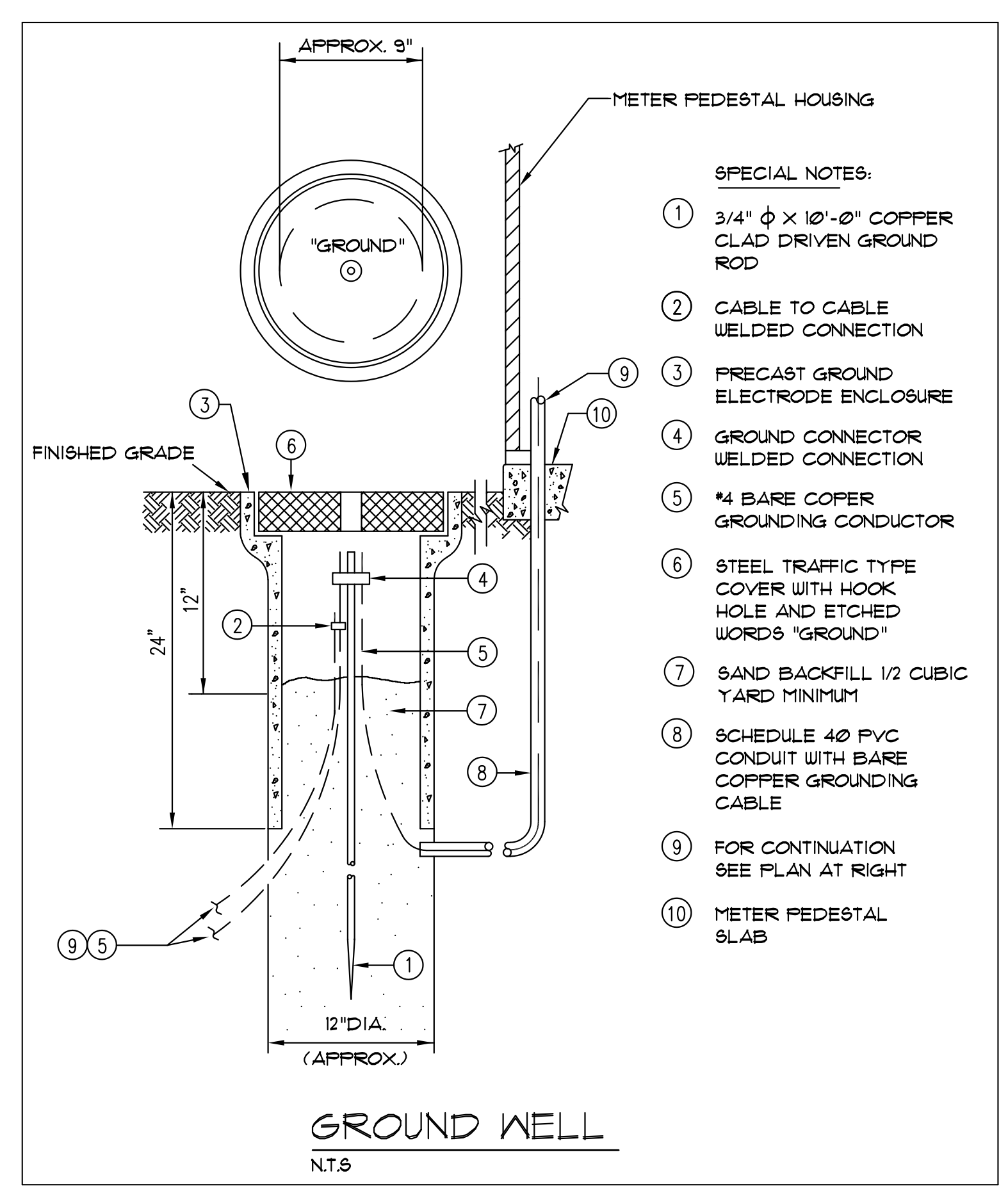
PROJECT TITLE

DATE	REVISIONS
	1
	2
	3
	4
	5
	6
	7
	8

DRAWN BY: ID
CHECKED BY: RO
PROJECT NO.: 0964
DATE: 24 FEB 2021



DATE	REVISIONS	BY	DESCRIPTION
	1		
	2		
	3		
	4		
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	6		
	7		
	8		

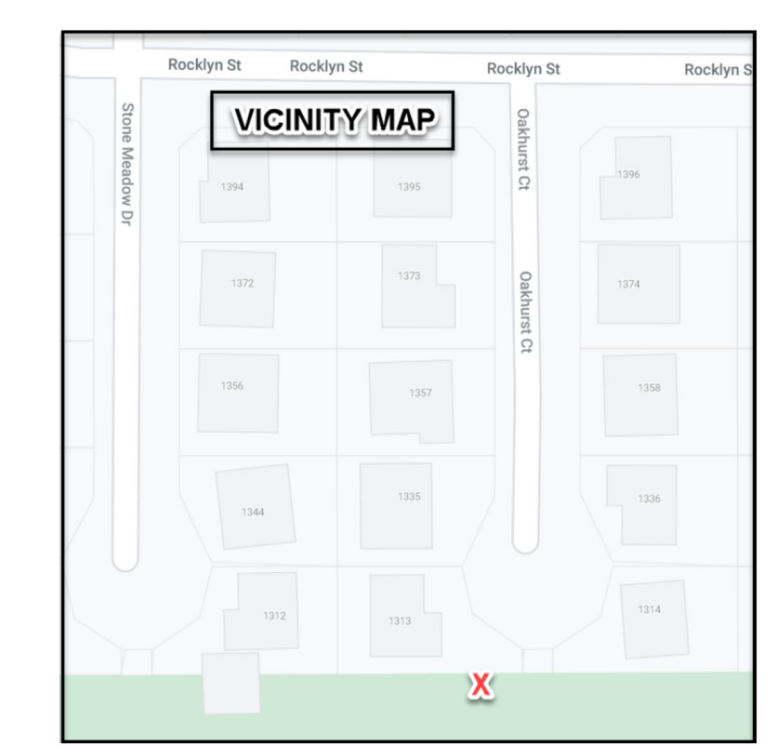


PSPEC-CREW NOTES:
*NO PERMIT, T/C OR PTC NEEDED
*NO ENVIRONMENTAL CLEARANCE REQUIRED
*METER & SERVICE CHANGE FOR PARK
*SPRINKLER & LIGHTING
*STEVE MING TO INSPECT
*ABANDON EXISTING 2W DB SERVICE IN FIELD

T.L.M. DATA: B5145406

SIZE	KVA	CUST	LOAD
EXIST.	25	27.0	11. 138.00 %
PROP.	25	28.0	11. 132.00 %

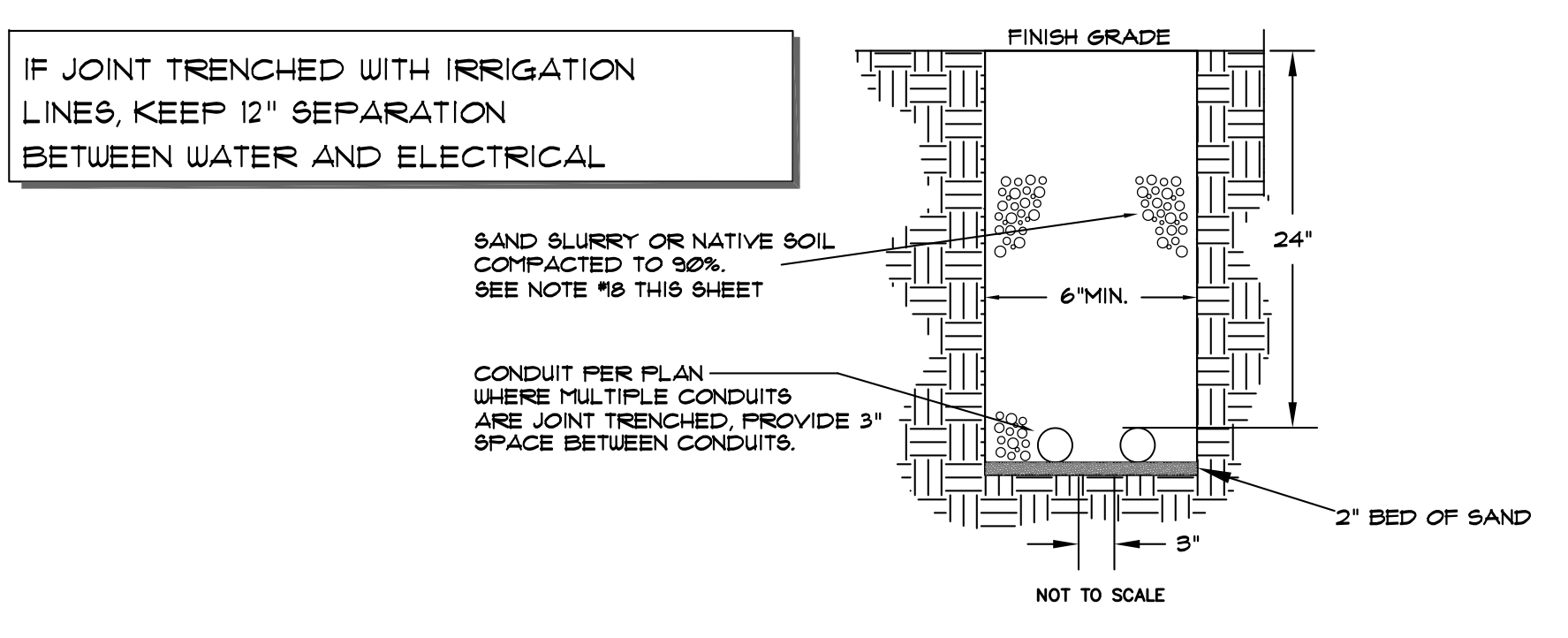
VOLTAGE DROP: 0.030%
FLICKER FACTOR: ---
PRI. CIRCUIT: CROSSON 18KV



PROJECT REQUIREMENTS (Y/N)

EDISON EASEMENT REQ'D	<input checked="" type="checkbox"/>
PWRD 88 REQ'D	<input checked="" type="checkbox"/>
UG CIVIL ONLY WORK ORDER	<input checked="" type="checkbox"/>
PERMIT REQ'D	<input checked="" type="checkbox"/>
PERMIT TYPE: <i>Sub</i>	
OUTAGE REQ'D	<input checked="" type="checkbox"/>
OUTAGE DATE: TIME:	
TRAFFIC CONTROL REQ'D	<input checked="" type="checkbox"/>
PED. TRAFFIC CONTROL REQ'D	<input checked="" type="checkbox"/>
CONVEYANCE LETTER REQ'D	<input checked="" type="checkbox"/>
ENVIRONMENTAL CLEARANCE REQ'D	<input checked="" type="checkbox"/>
CSD 140 (TLM) REQ'D	<input checked="" type="checkbox"/>

DISTRICT	PROJ. MGR.	PLANNER	DESIGNER
39 - VENTURA			
PROJECT NO.	SERVICE REQUEST	MSR NO.	PRODUCT-1
	CROSSON 18KV	THOMAS GUIDE	PRODUCT-2
CIRCUIT / VOLTAGE			
INVENTORY MAP	J.P.A. NO.	PROPOSED CONSTRUCTION (LOCATION)	
33-33B		1313 OAKHURST CT SPKPL CAMARILLO, CA 93010	
TYPE	DATE	APPROVED BY	CHECKED BY
SHEET 2 of 2		DESIGN/DRAWING NO. 1396708_001	



UNDERGROUND SERVICE ALERT
Contact USA
Dial 811 or 800-422-4133
www.dialert.org/contact
For Underground Locating Two Working Days Before You Dig
016 - Rev. 05/28/20

SCE INSPECTOR: STEVEN MING
CELL: 626-422-2170
Contact SCE 48 Hours In advance for a Pre-Construction meeting and/or inspection.

CONDUIT RADIUS REQUIREMENTS:

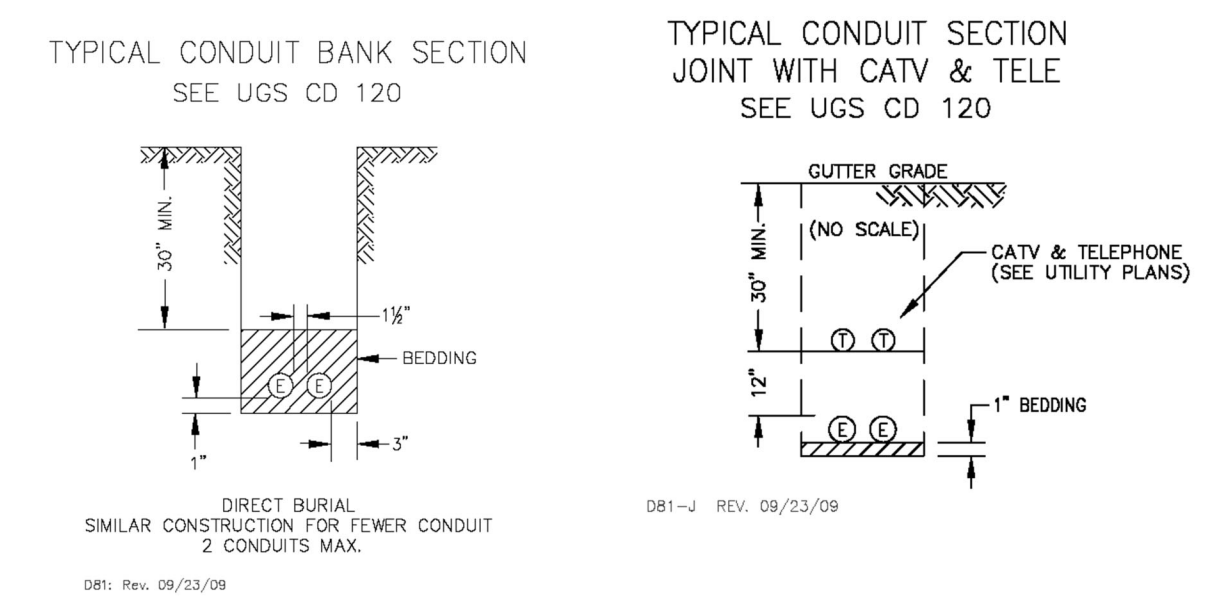
A. The minimum radius for bends are:
36" for conduits 3" in diameter or smaller
48" for conduits 4" and 5" in diameter
60" for 6" diameter conduit

B. The minimum radius for sweeps are:
36" for conduits 3" in diameter or smaller
12'-0" for conduits 4" in diameter and larger, unless otherwise noted.

TIE-IN MADE INTO A SECONDARY HANDHOLE
If PVC conduit is used, riser bend installation may be made by the customer with prior SCE approval. Customer not to remove handhole cover. If metallic conduit is used or handhole cover needs to be removed, a SCE Qualified Person must be present.

WHERE CONDUITS ARE PICKED UP OR INTERCEPTED, CONDUIT SHALL BE MANDRELLED AND PULL ROPE INSTALLED FROM TERMINAL TO TERMINAL.

WARNING
THE EXCAVATOR MUST TAKE ALL STEPS NECESSARY TO AVOID CONTACT WITH UNDERGROUND FACILITIES WHICH MAY RESULT IN INJURY TO PERSONS OR DAMAGE TO FACILITIES IN THE AREA. THE INDICATED LOCATIONS OF EDISON UNDERGROUND FACILITIES, AS PROVIDED, ARE BELIEVED TO BE ACCURATE. HOWEVER, THE FINAL DETERMINATION OF EXACT LOCATIONS AND THE COST OF REPAIR TO DAMAGED FACILITIES IS THE RESPONSIBILITY OF THE EXCAVATOR.

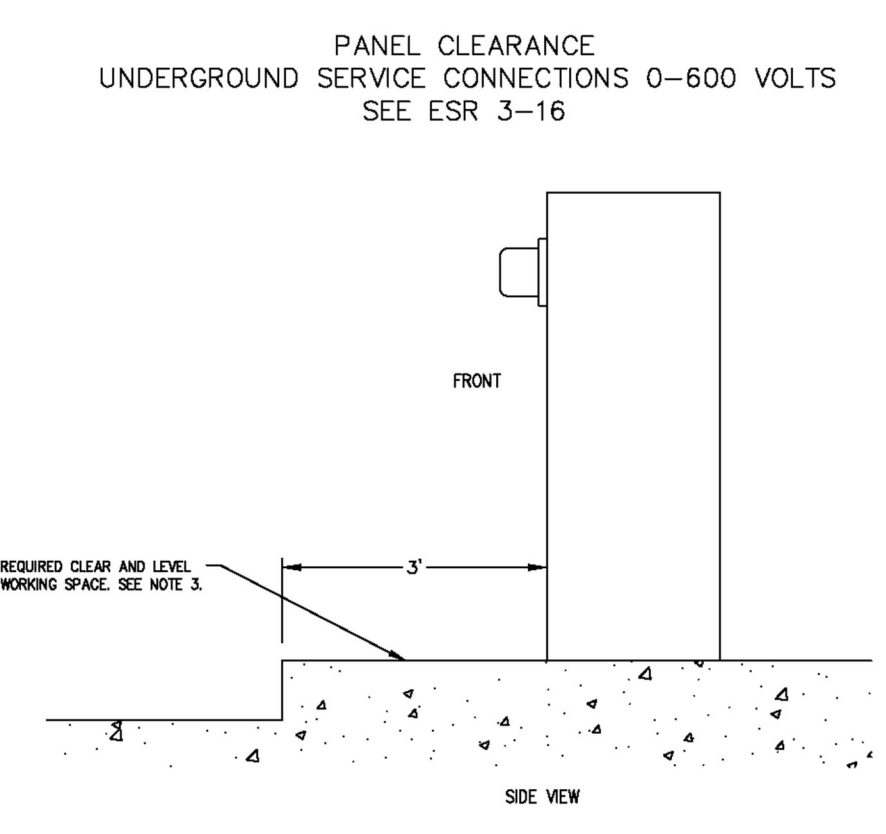


NOTE:
ALL ELECTRICAL DUCTS AND STRUCTURES WILL CONFORM TO GENERAL ORDER #128 (RULES FOR CONSTRUCTION OF UNDERGROUND ELECTRICAL SUPPLY AND COMMUNICATION PRESCRIBED BY THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA, JANUARY 2006).

CUSTOMER-OWNED CONDUIT MATERIAL AND CONCRETE ENCASUREMENT ARE TO BE INSTALLED IN ACCORDANCE WITH EDISON ELECTRICAL SERVICE REQUIREMENTS.
*SUBJECT TO APPROVAL BY LOCAL INSPECTION AUTHORITIES

CONNECTING TO EXISTING SCE STRUCTURES

- For SCE requirements, customers are not allowed to enter, intercept or tie-in to existing SCE structures, equipment or conductors. This work will only be performed by SCE. Contact the appropriate SCE Inspector to schedule an appointment. Customers may connect to an existing duct without a SCE Inspector present.
- Per CHUC/SCE's Rule 15 B.1.A and Rule 16 D.1.A, the customer will provide all necessary enclosures (with the exception of excavation under pads and primary splice boxes), material (including conduit and structural) and encasement, to be utilized in the intercept/tie-in process.
- The customer must adhere to all applicable Cal-OSHA, local, city, state and federal regulations, (including, but not limited to, all necessary shoring and traffic control in place to perform the intercept/tie-in work by SCE's underground civil contractor(s)).
- Intercept/tie-in work must be coordinated with SCE's civil contractors through the District Inspector/CSD to limit exposure of excavation(s). Customer is responsible for securing excavation(s).



- NOTES:**
- A MINIMUM OF THREE (3) FEET OF CLEAR LEVEL WORK SPACE IS REQUIRED IN FRONT OF ALL TERMINATION, METING, AND SERVICE EQUIPMENT.
 - MINIMUM CLEARANCE FROM THE FRONT OF THE PANEL SHALL BE MEASURED FROM THE STANDING AND NOT FROM THE TOP OF THE PANEL.
 - WORK SPACE EQUIPMENT IS REQUIRED TO BE LOCATED WITHIN THE WORKING AREA. THE WORKING AREA SHALL BE FENCED OFF WITH RED TAPE AND SIGNS TO A MINIMUM OF THREE (3) FEET AND IS MEASURED FROM THE FRONT OF THE SERVICE EQUIPMENT. THE HEIGHT OF THE SIGNPOSTS OF THE SIGNPOSTS SHALL BE ENOUGH HIGH ENOUGH TO BE CLEAR OF THE WORKING AREA.
 - TO REMOVE A PANEL, CLEAR AND LEVEL WORKING AREA IN FRONT OF NEW OR EXISTING METER AND SERVICE EQUIPMENT. A CONCRETE SLAB OR OTHER SUITABLE FOUNDATION SHALL BE PROVIDED, ACCEPTABLE TO THE COMPANY, WITHIN THE WORKING AREA.
 - FOR UNDERGROUND WORK, THE FOOTING OF CLEAR AND LEVEL WORKING SPACE IS REQUIRED IN THE FRONT AND SIDE OF ALL STRUCTURE. WHERE SLAB PART SUPPORTS OR PROVIDES ACCESS TO METERS, TESTING EQUIPMENT, OR SERVICE CABLE TERMINATION SECTIONS.

18.1.2 PROTECTIVE BARRIERS FOR SERVICE EQUIPMENT
BARRIERS ARE USED TO PROTECT THE METER AND SERVICE EQUIPMENT, AS WELL AS PERSONNEL, FROM UNDESIRABLE CONTACT AND TO PREVENT OVERLOADING OF THE WORKING SPACE. FOR EXAMPLE, LOADING ZONES, DIRECTIONAL CONTROLLED AREAS, OFF STREET PARKING, AND SO ON. THE CUSTOMER SHALL PROVIDE AND INSTALL CON-ROADWAY BARRIERS TO PROTECT THE WORKING AREA. BARRIERS MUST BE SET UP, THE BARRIERS HAVE BEEN INSTALLED.

DISTRICT	PROJ. MGR.	PLANNER	DESIGNER
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