

TRUE NORTH



UNDERGROUND SERVICE ALERT

THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES TWO (2) WORKING DAYS PRIOR TO EXCAVATION. 1-800-227-2600 IS THE UNDERGROUND SERVICE ALERT NUMBER.

GENERAL GRADING NOTES

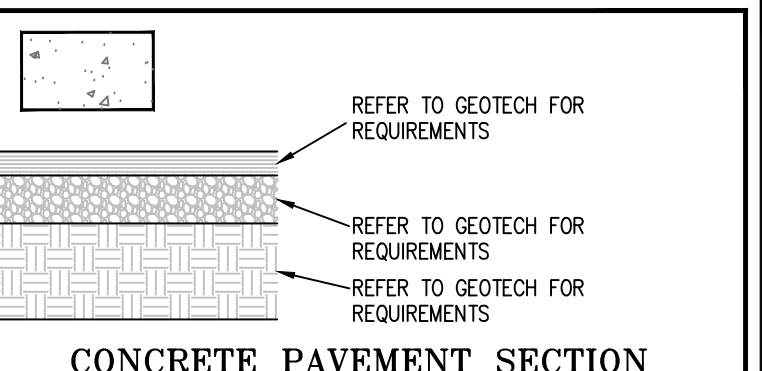
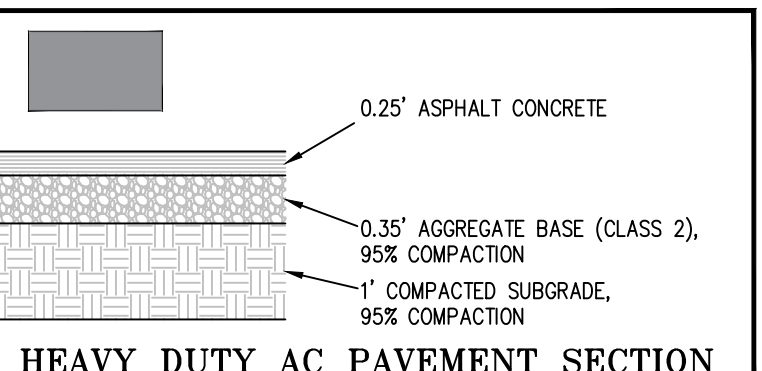
1. THE CONTRACTOR SHALL OBTAIN A GRADING PERMIT AND PAY THE PERMIT FEE PRIOR TO GRADING.
2. THE GRADING CONTRACTOR SHALL REMOVE ALL ORGANIC MATTER, DEBRIS AND OTHER DELETERIOUS MATERIAL FROM THE SITE WITHIN PROJECT LIMITS.
3. THE UPPER 12 INCHES OF SUBGRADE BENEATH THE STRUCTURAL SECTION SHOULD BE SCARIFIED, MOISTURE CONDITIONED AS NECESSARY AND COMPACTED TO AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D1557 METHODS. THE COUNTY SHALL BE PROVIDED WITH COMPACTION REPORTS PREPARED BY A CITY APPROVED TESTING AGENCY.
4. THE LANDSCAPING GROUND IMMEDIATELY ADJACENT TO ALL FOUNDATIONS SHALL BE SLOPED AWAY FROM THE BUILDING AT A SLOPE OF NOT LESS THAN 2% FOR A MINIMUM DISTANCE OF 10 FEET MEASURED PERPENDICULAR TO THE FACE OF THE WALL. IF PHYSICAL OBSTRUCTIONS OR LOT LINES PROHIBIT 10 FEET OF HORIZONTAL DISTANCE FROM THE FOUNDATION, THEN A SWALE THAT RUNS PARALLEL TO THE FOUNDATION MAY BE USED AND WILL BE REQUIRED TO BE A MINIMUM SLOPE OF 2% WITHIN 10 FEET OF THE FOUNDATION. ALL OTHER SITE GRADING OUTSIDE OF THE BUILDING ENVELOPE IS REQUIRED TO BE A MINIMUM OF 0.5%.
5. NO SURFACE DRAINAGE SHALL BE PERMITTED TO DRAIN ONTO ADJACENT PROPERTIES.
6. ANY SURVEY MONUMENTS WITHIN THE AREA OF WORK SHALL BE PRESERVED OR RESET BY A REGISTERED CIVIL ENGINEER OR A LICENSED LAND SURVEYOR.
7. THE CONTRACTOR SHALL MAKE ADEQUATE PROVISIONS FOR DUST CONTROL FOR THE DURATION OF THE WORK. DUST CONTROL MEASURES SHALL BE FULLY AND ADEQUATELY CARRIED OUT ON WEEKDAYS, HOLIDAYS, AND WHEN NECESSARY BEFORE OR AFTER NORMAL WORKING HOURS.
8. SLOPE SHALL NOT BE STEEPER THAN TWO (2) HORIZONTAL TO ONE (1) VERTICAL IN ACCORDANCE WITH UBC 7009 (A) AND 2903 (A) CALIFORNIA AMENDMENT.
9. THE QUANTITIES NOTED FOR THE EARTHWORK DO NOT INCLUDE ANY SHRINKAGE, SUBSIDENCE, OVER EXCAVATION, OR ANY SPECIAL CONDITIONS OR REQUIREMENTS THAT MAY BE SPECIFIED IN THE SOILS REPORT. THESE QUANTITIES ARE FOR PERMIT PURPOSES ONLY. ALL CONTRACTORS BIDDING ON THIS PROJECT SHOULD MAKE THEIR OWN DETERMINATION OF EARTHWORK QUANTITIES PRIOR TO SUBMITTING A BID.
10. ANY VERTICAL CUT OR FILL DIFFERENTIAL EQUAL TO OR GREATER THAN TWELVE (12") INCHES BETWEEN ADJACENT PROPERTIES SHALL BE SUPPORTED BY AN APPROVED RETAINING WALL. DIFFERENTIALS LESS THAN TWELVE (12") INCHES SHALL HAVE A MAXIMUM SLOPE OF TWO (2) HORIZONTAL TO ONE (1) VERTICAL.
11. ALL GRADING AND FILLING SHALL COMPLY WITH THE 2016 CBC, CALIFORNIA BUILDING CODE.
12. RECOMMENDATIONS AS OUTLINED IN THE SOILS REPORT SHALL BECOME REQUIREMENTS FOR THIS DEVELOPMENT. THE REPORT IS COUNTY OF FRESNO, DEPARTMENT OF PUBLIC WORKS AND PLANNING PROJECT NUMBER: T90203 DATED: 4-22-2020 AND PER LATEST ADDENDUM REPORT PREPARED BY COUNTY OF FRESNO.
13. THE CONTRACTOR SHALL OBTAIN ANY AND ALL PERMITS REQUIRED FOR THE REMOVAL OR DEMOLITION OF ANY BUILDING OR STRUCTURE LOCATED WITHIN THE BOUNDARIES. THE CONTRACTOR SHALL ALSO OBTAIN ANY AND ALL PERMITS REQUIRED FOR THE CLOSURE OF ANY SEPTIC TANK, CESSPOOL OR WATER WELL. ALL PERMITS SHALL BE OBTAINED PRIOR TO COMMENCEMENT OF SUCH WORK IN ACCORDANCE WITH COUNTY OF FRESNO STD. AND SPECIFICATIONS.
14. ALL PROPOSED TREE REMOVAL TO BE APPROVED BY THE COUNTY PLANNER IN WRITING PRIOR TO REMOVAL.
15. ALL GRADING AND FILLING SHALL BE DESIGNATED AS "ENGINEERED GRADING" AND CONFORM TO THE REQUIREMENTS OF THE CALIFORNIA BUILDING CODE APPENDIX CHAPTER 33.
16. THIS GRADING PLAN IS FOR APPROVAL OF ON-SITE ELEVATIONS ONLY. THE ELEVATIONS SHOWN WITHIN THE PUBLIC RIGHT-OF-WAY REQUIRE SEPARATE PUBLIC WORKS DEPARTMENT APPROVAL AND PERMIT. ANY NOTES THAT APPLY TO THE PUBLIC RIGHT-OF-WAY ARE FOR REFERENCE ONLY. IF ON-SITE ELEVATIONS SHOWN DO NOT COINCIDE WITH APPROVED STREET PLANS, AN APPROVED AMENDMENT IS REQUIRED.

LEGEND :

- 278.00 TC PROPOSED TOP OF CURB
- 278.00 P PROPOSED PAVEMENT
- 278.00 FF PROPOSED FINISH FLOOR
- 278.00 FG PROPOSED FINISH GRADE
- 278.00 GR PROPOSED GRATE ELEVATION
- 278.00- PROPOSED CONTOURS
- - - - - INSTALL DRAINAGE SWALE PER DETAIL ON SHEET C8.0
- - - - - PROPOSED GRADE BREAK
- EXISTING GRADE
- EXISTING CHAIN LINK FENCE
- - - - - EXISTING EDGE OF PAVEMENT
- EXISTING GROUND COUNTOUR

GRADING AND DRAINAGE CONSTRUCTION SYMBOLS

1. INSTALL 6" AC DIKE PER DETAIL ON SHEET C8.0. PROVIDE A 2' WIDE OPENING EVERY 10' O.C. FOR DRAINAGE PURPOSES.
 2. INSTALL REDWOOD HEADER AT PAVEMENT EDGE PER DETAIL ON SHEET C8.0.
 3. INSTALL CONCRETE VALLEY GUTTER PER DETAIL ON SHEET C8.0.
 4. INSTALL 24" WIDTH COMMERCIAL DRIVEWAY ENTRANCE PER CITY OF FRESNO STD. P-2.
 5. INSTALL 8" WIDE CONCRETE SIDEWALK BEHIND EXISTING CURB AND GUTTER PER CITY OF FRESNO STD. P-5.
- ENCROACHMENT PERMIT REQUIRED FROM THE CITY OF FRESNO



FLOOD INFORMATION

THIS PROPERTY IS LOCATED IN ZONE "X" OF THE FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 06019C2110H, WHICH BEARS AN EFFECTIVE DATE OF 02/18/2009 AND IS NOT IN A SPECIAL FLOOD HAZARD AREA. NO FIELD SURVEYING WAS PERFORMED TO DETERMINE THIS ZONE AND AN ELEVATION CERTIFICATE MAY BE NEEDED TO VERIFY THIS DETERMINATION OR APPLY FOR A VARIANCE FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY. ZONE "X" DENOTES AREAS MODERATE TO LOW RISK.

APPROVED SITE PLAN
THIS SITE PLAN CONFORMS TO MINIMUM FRESNO COUNTY ZONING STANDARDS AND SETBACKS. ANY DEVIATION FROM THIS PLAN WILL REQUIRE SUBMISSION OF A NEW SITE PLAN FOR REVIEW AND APPROVAL.
By: ALBERT AGUILAR DATE: 8/23/21

| | | | |
|---|-----------------------------|---|--------------------------------------|
| 2 | Bid Addendum 2 5-21-2021 | A | Plan Review Corrections 5-21-2021 |
| | | B | Post Bid Revisions 6-16-2021 |

Project:
Fresno County
Environmental Compliance Center
Site Improvement and Shade Structure
Project Address: 310 S. West Avenue, Fresno CA 93706
APN: 458-060-72
Issue Date:
Project No. T90203
File Path: G:\Capital \Projects \Building Numbers \American Ave Landfill \T90203 Environmental Compliance Center\00 2018 ECC

Sheet Content:
GRADING PLAN
APPROVED
Aug 23 2021
COUNTY OF FRESNO
DEVELOPMENT SERVICES

Fresno County Department of Public Works and Planning
Capital Projects
2220 Tulare Street, 8th Floor
Fresno, California 93721



Sheet No. C3.0

LARS ANDERSEN & ASSOCIATES, INC.
CIVIL ENGINEERS - LAND SURVEYORS - PLANNERS
4694 WEST JACQUELYN AVENUE - FRESNO, CA 93722
PHONE 559 276-2790 FAX 559 276-0850

PREPARED UNDER THE DIRECTION OF:
Daniel J. Zoldak
DANIEL J. ZOLDAK
FCE 66124

REGISTERED PROFESSIONAL ENGINEER
DANIEL J. ZOLDAK
No. 66124
CIVIL
STATE OF CALIFORNIA

UTILITY NOTES :

- ALL WATER MAIN INSTALLATION SHALL BE IN ACCORDANCE WITH CITY OF FRESNO STANDARDS AND SPECIFICATIONS, LATEST EDITION AND 2019 CFC, 2019 CBC, & 2019 NFPA-24.
- MINIMUM DISTANCE BETWEEN SANITARY SEWER AND WATER MAIN SHALL BE TEN FEET HORIZONTALLY.
- PIPING MATERIAL WITHIN CITY R.O.W TO BE PER FRESNO PUBLIC UTILITY DEPARTMENT SPECIFICATIONS.
- MARK THE LOCATION OF ALL TEMPORARY UTILITY LINE STUBS WITH 2" X 2" X 12" WOOD STAKES AND FLAGGING AND BERTSEN "DEEP-1" MAGNET MARKER TAPED TO TOP OF PIPE IF NOT DIRECTLY CONNECTED TO A BUILDING STRUCTURE. PERMANENT UTILITY STUBS LOCATED AT PROPERTY LINES FOR FUTURE CONNECTIONS BY OTHERS TO BE MARKED WITH CONCRETE MARKER.
- ALL UTILITY DISTRIBUTION TRENCH BOXES TO HAVE BOLT DOWN TRAFFIC WEIGHT COVERS.
- MANHOLE COVERS ARE TO BE IDENTIFIED WITH THE RESPECTIVE UTILITY ON TOP (TYPICAL) PER CITY OR UTILITY COMPANY STANDARDS.
- SITE CONTRACTOR IS TO SUPPLY AND INSTALL ALL MATERIAL AND LABOR FOR THE UTILITIES.
- CONTRACTOR TO PROVIDE A 30" MINIMUM COVER FOR WATER PIPES LESS THAN 12" AND 36" MINIMUM COVER FOR PIPES LARGER THAN 12" OR AS NOTED PER MANUFACTURERS SPECIFICATIONS WHICHEVER IS MORE STRINGENT.
- ALL ONSITE SANITARY SEWER P.V.C. PIPE SHALL CONFORM TO ASTM SPECIFICATIONS D-3034-SDR 26.
- RESPECTIVE BUILDING CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL UTILITY CONNECTION ON ALL BUILDING UTILITY STUBS. IN THE CASE THE BUILDING UTILITY STUBS HAVE BEEN INSTALLED FIRST, THE CONTRACTOR SHALL COORDINATE THE CONNECTION WITH THE BUILDING CONTRACTOR.
- BACKFLOW PREVENTION ASSEMBLY SHALL BE TESTED BY A QUALIFIED A.W.W.A. TESTER.
- NO MATERIAL GREATER THAN 4" IN ANY DIMENSION SHALL BE PLACED WITHIN ONE FOOT OF ANY PIPE, MANHOLE OR STRUCTURE.
- CONTRACTOR, SUBDIVIDER AND SURVEYOR SHALL REVIEW BUILDING PLANS FOR ANY CHANGES ON UTILITY TIE-IN LOCATIONS.
- THRUST BLOCK SHALL BE INSTALLED WHERE PIPE DEFLECTIONS EXCEED 4 DEGREES PER COUPLING/FITTINGS, AS SPECIFIED BY PIPE MANUFACTURER.
- CONTRACTOR SHALL OBTAIN ENCROACHMENT PERMIT PRIOR TO START OF WORK FOR ANY WORK IN THE CITY RIGHT-OF-WAY.
- CONTRACTOR TO POT-HOLE AT TIE-IN POINTS PRIOR TO TRENCHING. VERIFY DEPTH OF EXISTING MAINS AND NOTIFY ENGINEER AND CITY OF FRESNO WATER DISTRICT WHERE VERTICAL TAP MAY BE REQUIRED.
- SEWER AND WATER MATERIALS AND FACILITIES SHALL ALSO BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH THE CALIFORNIA PLUMBING CODE, 2019 EDITION OR MOST UP TO DATE EDITION.
- ONSITE WATER LINE PIPE 4" AND LARGER SHALL MEET THE REQUIREMENT OF AWWA C-900 AND SHALL BE PC 305. WATER 3" AND SMALLER SHALL BE SCHEDULE 40 PVC. FIRE SERVICE LINES BEYOND THE CHECK VALVE SHALL BE PC 305.
- ALL ON-SITE WATER PIPE 4" AND LARGER SHALL BE CHLORINATED AND TESTED BY AN APPROVED TESTING AGENCY AND THE RESULTS SUBMITTED TO THE CITY.
- NOTIFY U.S.A. AT 811 AT LEAST TWO WORKING DAYS PRIOR TO STARTING TRENCHING.
- PRESSURE TESTING THE FIRE PIPING SYSTEM AGAINST THE DETECTOR CHECK VALVE IS PROHIBITED. CONTRACTOR SHALL PROVIDE A TEMPORARY CAP OR BLIND FLANGE FOR TESTING PURPOSES.
- CONTRACTOR TO PROVIDE 2 HOUR @200PSI HYDROSTATIC PRESSURE TEST. CONTRACTOR TO NOTIFY FIRE DEPARTMENT OF JOINTS AND FITTINGS BEFORE TRENCHES ARE BACKFILLED.
- CONTRACTOR TO FLUSH UNDERGROUND FIRE SYSTEM PRIOR TO CONNECTION TO FIRE SPRINKLER SYSTEM.
- CONTRACTOR TO COORDINATE WITH CITY OF FRESNO WATER DISTRICT AND PUBLIC WORKS DEPARTMENT FOR UTILITY WORK IN CITY'S RIGHT OF WAY ON WHAT WORK SHALL BE DONE PER UTILITY COMPANIES FORCES.
- ALL BACK FLOW PREVENTORS (BFPs) SHALL HAVE SECURITY CAGES, PAINTED GREEN.
- PRIVATE HYDRANTS SHALL BE PAINTED SILVER WITH WEATHER RESISTANT PAINT PER FIRE DEPARTMENTS REQUIREMENTS. ENTIRE HYDRANT SHALL BE PAINTED.
- INSTALL MINIMUM 18 GAUGE BLUE INSULATED TRACE WIRE FOR THE FIRE SERVICE PIPE.

WATER CONSTRUCTION NOTES

- INSTALL 2" WATER SERVICE WITH 2 1/2" REDUCED PRESSURE BACKFLOW ASSEMBLY, METER AND METER BOX, PER CITY STANDARDS W-1 AND W-11. PLACE PERMANENT TAG OR LABEL INDICATING THE BUILDING OR SUITE SERVED.
- INSTALL 3" WATER SERVICE WITH 3" REDUCED PRESSURE BACKFLOW ASSEMBLY, METER AND METER BOX, PER CITY STANDARDS W-1 AND W-11. PLACE PERMANENT TAG OR LABEL INDICATING THE BUILDING OR SUITE SERVED.
- INSTALL 1.5" IRRIGATION SERVICE WITH 1.5" REDUCED PRESSURE BACKFLOW ASSEMBLY, METER AND METER BOX, PER CITY STANDARDS W-1 AND W-11.
- STUB TO BUILDING, IF BUILDING STUB IS NOT READY, INSTALL TEMPORARY WATER CAP AT PIPE END.

FIRE SYSTEM CONSTRUCTION NOTES

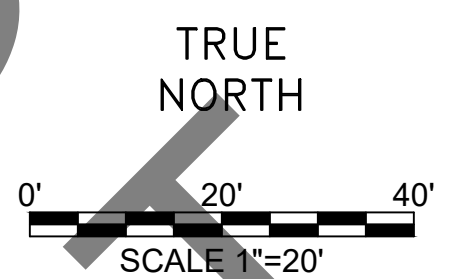
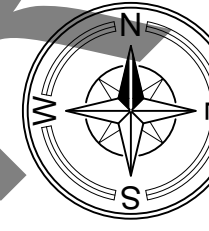
- INSTALL FIRE HYDRANT SERVICE ASSEMBLY PER CITY STANDARD DRAWING W-3.
- INSTALL 8" FIRE SERVICE TO BUILDING AND FIRE HYDRANT WITH DETECTOR CHECK PER CITY STANDARDS W-16, W-17 AND W-18. TRANSITION PIECE SHALL BE DUCTILE IRON OF A UL/FM LISTED STAINLESS-STEEL TRANSITION PIECE ABOVE GROUND.
- INSTALL POST INDICATOR VALVE (PIV) AND FIRE DEPARTMENT CONNECTION (FDC) PER DETAIL 1603 ON SHEET CB.O. PROVIDE 6 BOLLARD POST AROUND FDC AND PIV PER CITY STANDARD DRAWING W-22.
- STUB SERVICE LATERAL 6" ABOVE FINISH GRADE/FLOOR. IF BUILDING STUB IS NOT READY, INSTALL TEMPORARY FIRE MAIN CAP AT PIPE END. PROVIDE 2 BOLLARD POST AROUND RISER FOR SHADE STRUCTURE FIRE SERVICE PER CITY STANDARD DRAWING W-2.
- INSTALL FIRE HYDRANT WITH 4 BOLLARD POST AROUND HYDRANT PER CITY STANDARD DRAWING W-22.
- INSTALL GATE VALVE PER CITY STANDARD DRAWING W-3.

SEWER CONSTRUCTIONS NOTES

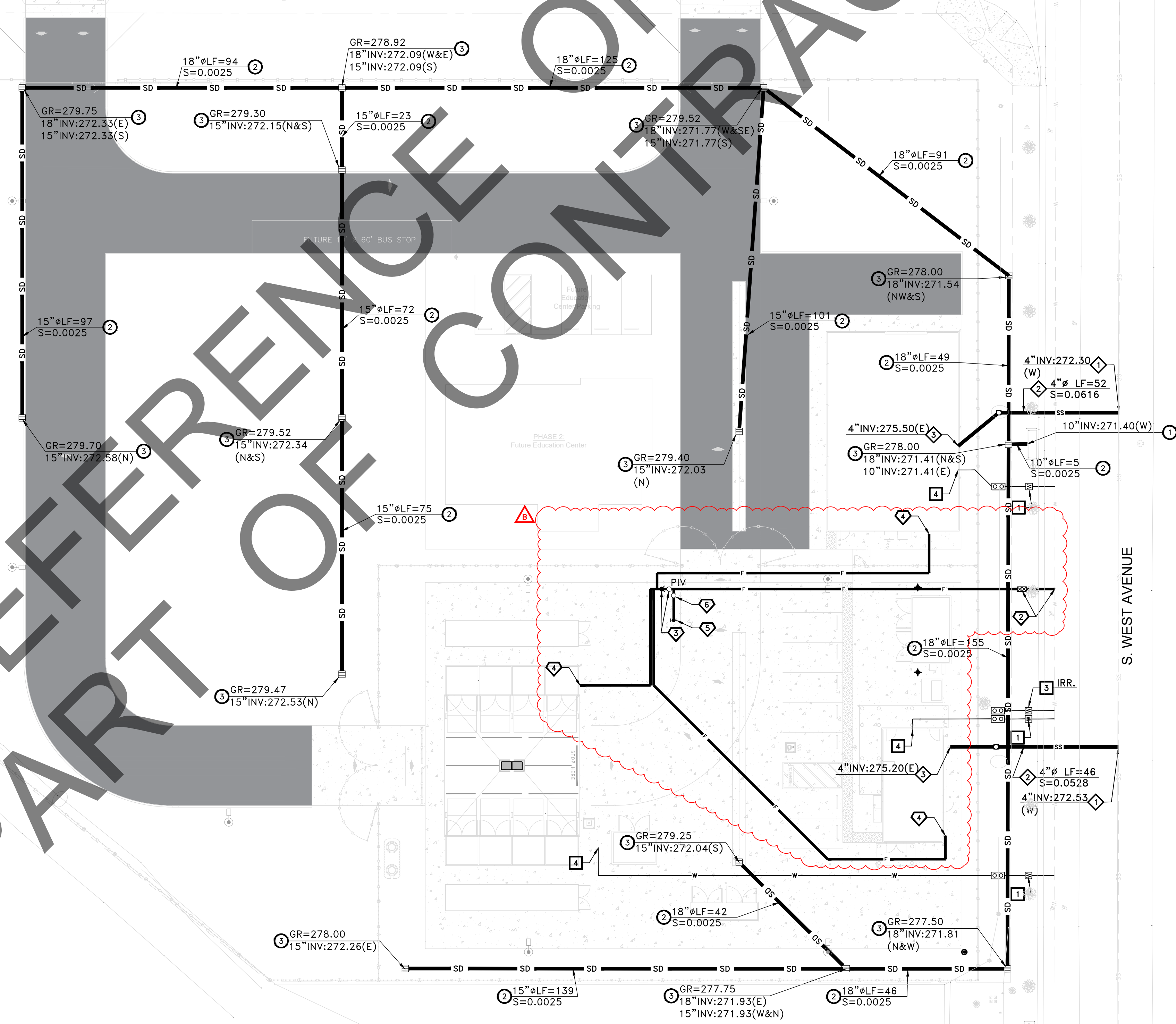
- INSTALL 4" SEWER LATERAL TO BUILDING PER CITY OF FRESNO STANDARD S-1
- INSTALL SDR-26 PVC SANITARY SEWER SERVICE PER CITY OF FRESNO STANDARD AND SPECIFICATIONS SIZE AND SLOPE AS SHOWN ON PLAN.
- STUB SERVICE LATERAL 5' FROM BUILDING. IF BUILDING STUB IS NOT READY, INSTALL TEMPORARY SEWER CAP AT PIPE END.

STORM DRAIN CONSTRUCTIONS NOTES

- CONNECT TO EXISTING STORM DRAIN INLET. CUT HOLE WITH CHIPPING GUN. PLACE 9" CONCRETE MORTAR RING AROUND CIRCUMFERENCE OF LATERAL LINE. SMOOTH INTERIOR CONNECTION AS REQUIRED BY INSPECTOR.
- INSTALL SDR-26 GRAVITY STORM SEWER PIPE PER ASTM F-679. SIZE AS NOTED ON PLANS.
- INSTALL CATCH BASIN TYPE E INLET PER FMFCD STANDARD DWG. A-5.



W. DAN RONQUILLO DRIVE



S. WEST AVENUE

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 CIVIL ENGINEERS - LAND SURVEYORS - PLANNERS
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UNDERGROUND SERVICE ALERT

THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES TWO (2) WORKING DAYS PRIOR TO EXCAVATION
 1-800-227-2600 IS THE UNDERGROUND SERVICE ALERT NUMBER

FIRE NOTES :

- ALL WEATHER ACCESS ROADS SHALL BE INSTALLED AND MAINTAINED IN A SERVICEABLE CONDITION PRIOR TO AND DURING CONSTRUCTION. (FFD DEVELOPMENT POLICY 403.002)
- ADDRESS IDENTIFICATION. FOR NEW AND EXISTING BUILDINGS, THE FIRE CODE OFFICIAL IS AUTHORIZED TO REQUIRE APPROVED ADDRESS OR BUILDING AREA IDENTIFICATION SIGNAGE AS NEEDED TO READILY DETERMINE THE BUILDING OR AREA OF A BUILDING PROTECTED BY FIRE DEPARTMENT CONNECTIONS. FMC SECTION 10-50912.2.3

STORM DRAIN NOTES :

- CONTRACTOR SHALL NOTIFY FMFCD CONSTRUCTION MANAGER AT (559) 456-3292 PRIOR TO CONNECTING TO ANY STORM DRAIN FACILITY.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD PLANS DATED APRIL 1, 2011 AND REVISIONS THERETO.

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| 2 | Bid Addendum 2 5-21-2021 | A | Plan Review Corrections 5-21-2021 |
| | | B | Post Bid Revisions 6-16-2021 |

Project:
 Fresno County
 Environmental Compliance Center
 Site Improvement and Shade Structure
 Project Address: 310 S. West Avenue, Fresno CA 93706
 APN: 458-060-72
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 File Path: G:\Capital \ Projects \ Building Numbers \ American Ave Landfill \ T90203 Environmental Compliance Center \ 00 2018 ECC

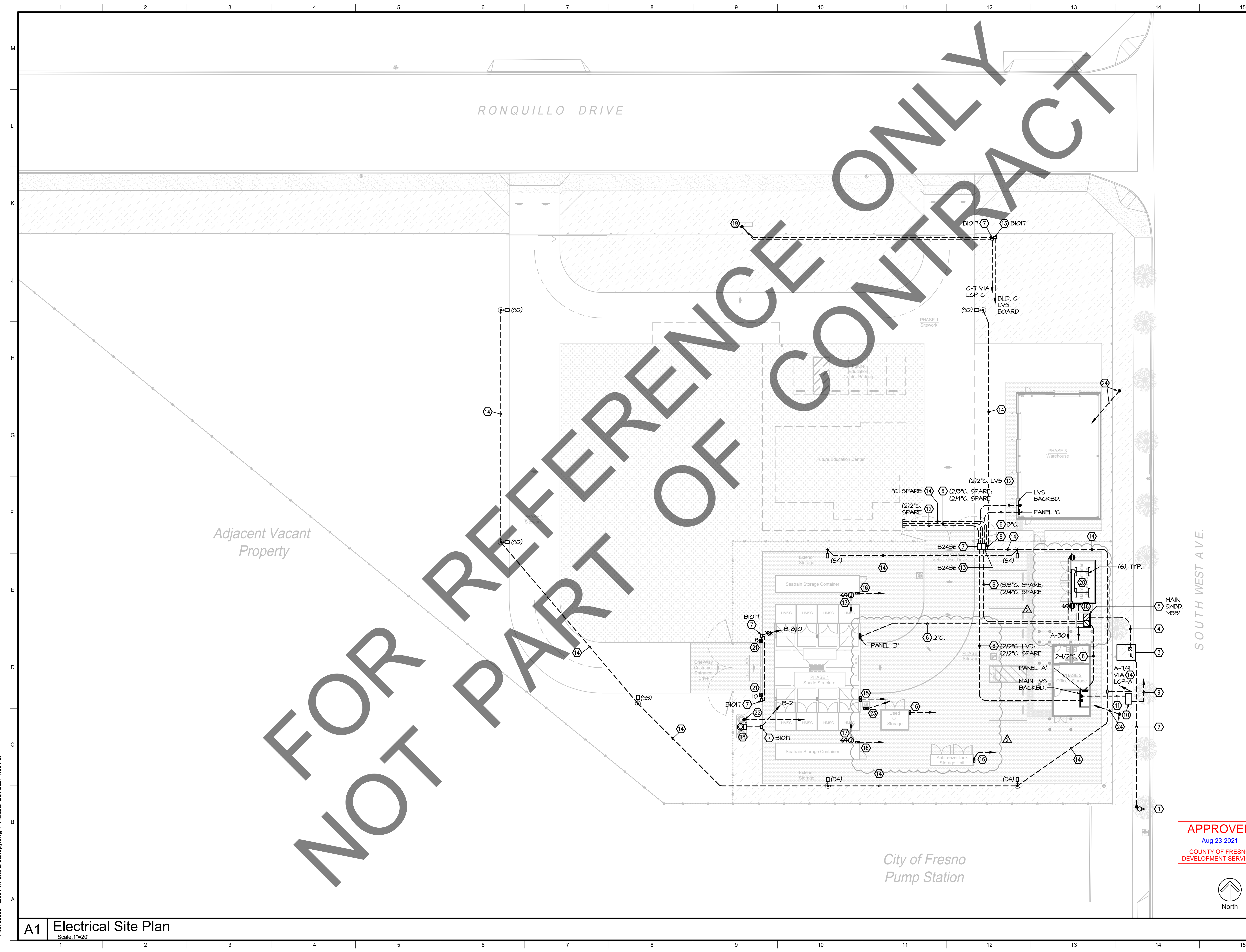
Sheet Content:
 UTILITY PLAN

APPROVED
 Aug 23 2021
 COUNTY OF FRESNO
 DEVELOPMENT SERVICES

Fresno County Department of
 Public Works and Planning
 Capital Projects

2220 Tulare Street, 8th Floor
 Fresno, California 93721

Sheet No. C4.0



KEYNOTES

1. EXISTING POLE. PROVIDE RISER PER RULE 16.
2. 4\"/>

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 E17850
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 C-38000
 REN. 01-31-21
 STATE OF CALIFORNIA

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 California Licensed Architect No. C-38000
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 Development Services and
 Capital Projects Division
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 Fresno, California 93721
 Office: (559) 600-4536
 E-mail: tperez@fresnocountyca.gov

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 Fresno County
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Sheet Content:
 Electrical Site Plan

Fresno County Department of
 Public Works and Planning
 Capital Projects

2220 Tulare Street, 8th Floor
 Fresno, California 93721

Sheet No.
E2.1

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| ▲ Bid Addendum 2 5-21-2021 | ▲ Plan Review Corrections 5-21-2021 |
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APPROVED
 Aug 23 2021
 COUNTY OF FRESNO
 DEVELOPMENT SERVICES



NOT FOR REFERENCE ONLY CONTRACT

File: 20055 - Elec PH1 Site & Canopy.dwg > Plotted: 8/21/2021 4:38 PM

WEST DAN RONQUILLO DRIVE

SOUTH WEST AVENUE

IRRIGATION EQUIPMENT SCHEDULE

| KEY | MFR. | DESCRIPTION | MODEL |
|-----|----------|--|--|
| M | | METER- BY OTHERS VERIFY LOCATION | |
| C | HUNTER | IRRIGATION CONTROLLER VERIFY LOCATION | IC-600-PL WITH ICM-600 EXPANSION MODULES, WALL MOUNT PLASTIC CABINET |
| ⊕ | HUNTER | ET SENSOR | WIRELESS SOLAR SYNC, MOUNT PER MFR. INSTRUCTIONS |
| ⊖ | WILKINS | LEAD FREE REDUCED PRESSURE BACKFLOW DEVICE W/ CAGE AND POLAR BLANKET | 2" 315XL |
| H | NETAFIM | HYDROMETER | 1 1/2" NORMALLY CLOSED, PDH OUTPUT SEE DETAIL |
| ⊗ | NIBCO | BRONZE GATE VALVE | T-113, LINE SIZE |
| ⊕ | HUNTER | VALVE WITH FILTER & PRESSURE REGULATION | ICZ-101, 150 MESH FILTER PRESSURE REG AT 40 PSI |
| ◆ | TORO | QUICK COUPLER | 100-SLVC, SUPPLY OWNER W/ 1 MATCHING VALVE KEY & HOSE SWIVEL |
| ⊖ | BOWSMITH | FANJET EMITTER 1 PER SHRUB WHERE SHOWN 1 PER TREE | MOD. NO: BLACK-C SEE DETAIL |
| ○ | TORO | STREAM SPRAY NOZZLE FOR SHRUBS ON RISER 3" ABOVE GRADE 1 PER SHRUB | 10-55Q-PC, ADJUST TO 2' RADIUS SEE DETAIL |
| --- | | MAINLINE | SCH. 40 PVC, BURY 18"-24" UNDER DRIVING SURFACE. MIN. SIZE SHOWN 1" UNLESS OTHERWISE NOTED ON PLAN. |
| --- | | LATERAL LINES | CL. 200 PVC, BURY 12"-24" UNDER DRIVING SURFACE. MIN. SIZE SHOWN 1" UNLESS OTHERWISE NOTED ON PLAN. IN NO CASE MAY VELOCITY EXCEED 5 FPS. |
| --- | | SLEEVING | SCH. 40 PVC, 2 TIMES LARGER THAN IRRIGATION LINE. BURY 24" UNDER DRIVING SURFACE. INSTALL IN SAME TRENCH WHEN POSSIBLE. SEE SPECS/ DETAILS |

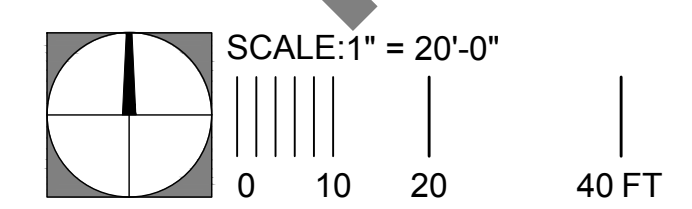
LATERAL PIPE SIZING

| | |
|--------------|------|
| 0 - 12 GPM: | 1" |
| 12 - 28 GPM: | 1.5" |
| 28 - 40 GPM: | 2" |
| 40 - 55 GPM: | 2.5" |
| 55 + GPM: | 3" |

30 ← VALVE NUMBER
22 1/2" ← VALVE SIZE
← APPROXIMATE GALLONS PER MINUTE

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Sierra Designs, Inc
113 N. Church Street, Suite 310
Visalia, California 93291
Tele: 559.733.3690
SDI No. 20-024 • 5.24.21



STUB MAINLINE AND INSTALL ENOUGH WIRE FOR TWO ADDITIONAL VALVES IN FUTURE

POG TO METER (PROVIDED BY OTHERS). CONFIRM LOCATION WITH PROJECT ARCHITECT

MOUNT SOLAR-SYNC IN FULL SUN ON BUILDING GUTTER

MOUNT CONTROLLER INSIDE THE OFFICE BUILDING. VERIFY LOCATION WITH PROJECT ARCHITECT

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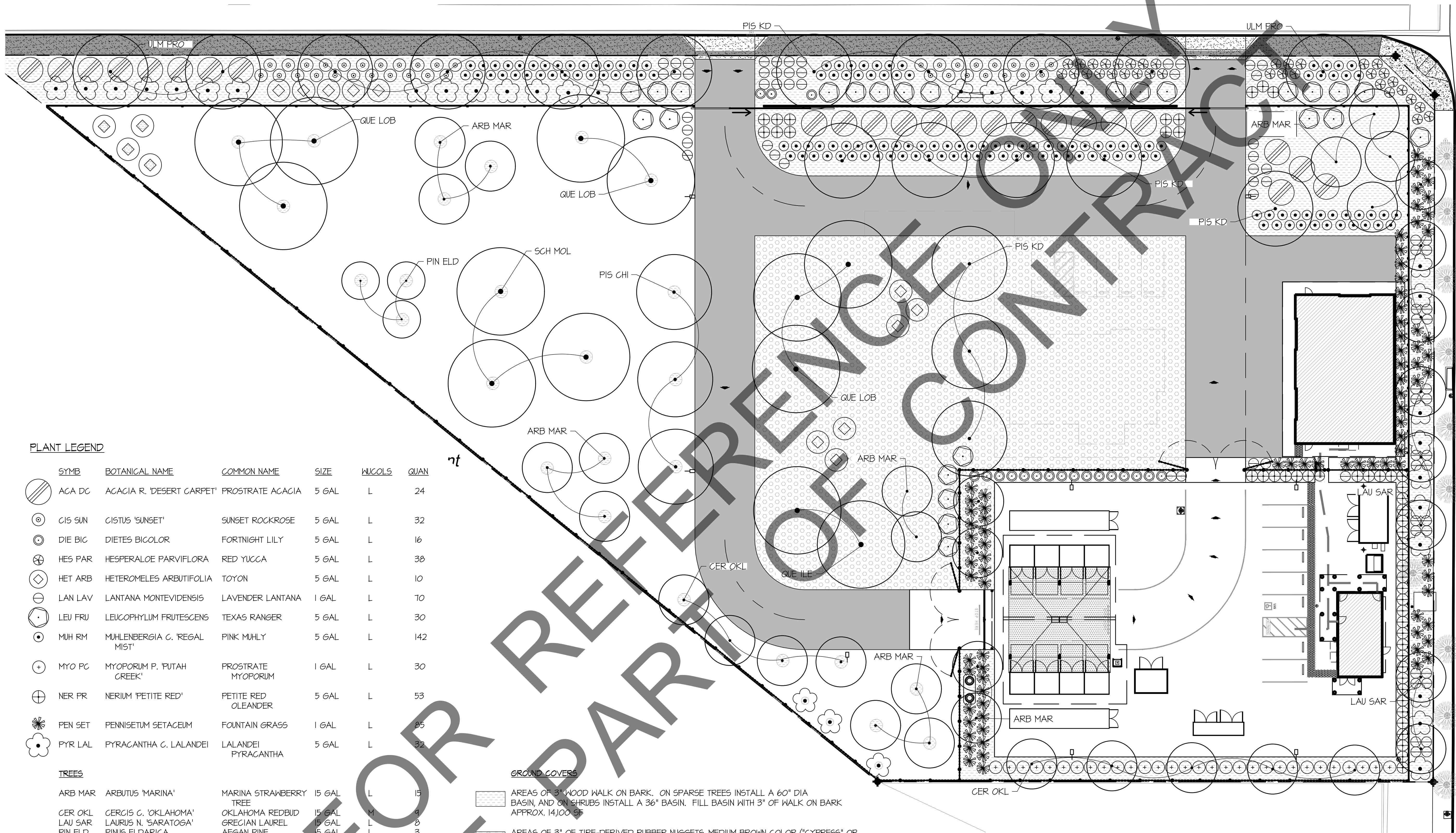
Sheet Content:
IRRIGATION PLAN

Fresno County Department of Public Works and Planning
Capital Projects
2220 Tulare Street, 8th Floor
Fresno, California 93721



APPROVED
Aug 23 2021
COUNTY OF FRESNO
DEVELOPMENT SERVICES

Sheet No.
L1.0



PLANT LEGEND

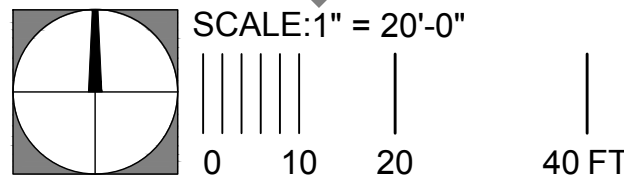
| SYMB | BOTANICAL NAME | COMMON NAME | SIZE | WUCOLS | QUAN |
|--------------|------------------------------|------------------------|--------|--------|------|
| ACA DC | ACACIA R. 'DESERT CARPET' | PROSTRATE ACACIA | 5 GAL | L | 24 |
| CIS SUN | CISTUS 'SUNSET' | SUNSET ROCKROSE | 5 GAL | L | 32 |
| DIE BIC | DIETES BICOLOR | FORTNIGHT LILY | 5 GAL | L | 16 |
| HES PAR | HESPERALOE PARVIFLORA | RED YUCCA | 5 GAL | L | 38 |
| HET ARB | HETEROMELES ARBUTIFOLIA | TOYON | 5 GAL | L | 10 |
| LAN LAV | LANTANA MONTEVIDENSIS | LAVENDER LANTANA | 1 GAL | L | 70 |
| LEU FRU | LEUCOPHYLLUM FRUTESCENS | TEXAS RANGER | 5 GAL | L | 30 |
| MUH RM | MUHLENBERGIA C. 'REGAL MIST' | PINK MUHLY | 5 GAL | L | 142 |
| MYO PC | MYOPORUM P. 'PUTAH CREEK' | PROSTRATE MYOPORUM | 1 GAL | L | 30 |
| NER FR | NERIUM 'PETITE RED' | PETITE RED OLEANDER | 5 GAL | L | 53 |
| PEN SET | PENNISSETUM SETACEUM | FOUNTAIN GRASS | 1 GAL | L | 85 |
| PYR LAL | PYRACANTHA C. LALANDEI | LALANDEI PYRACANTHA | 5 GAL | L | 32 |
| TREES | | | | | |
| ARB MAR | ARBUTUS 'MARINA' | MARINA STRAWBERRY TREE | 15 GAL | L | 15 |
| CER OKL | CERCIS C. 'OKLAHOMA' | OKLAHOMA REDBUD | 15 GAL | M | 4 |
| LAU SAR | LAURUS N. 'SARATOGA' | GRECIAN LAUREL | 15 GAL | L | 8 |
| PIN ELD | PINUS ELDARICA | AFGAN PINE | 15 GAL | L | 3 |
| PIS CHI | PISTACIA CHINENSIS | CHINESE PISTACHE | 15 GAL | L | 3 |
| PIS KD | PISTACIA C. 'KEITH DAVEY' | KEITH DAVEY PISTACHE | 15 GAL | L | 12 |
| QUE ILE | QUERCUS ILEX | HOLLY OAK | 15 GAL | L | 2 |
| QUE LOB | QUERCUS LOBATA | VALLEY OAK | 15 GAL | L | 8 |
| SCH MOL | SCHINUS MOLLE | CALIFORNIA PEPPER | 15 GAL | L | 3 |
| ULM PRO | ULMUS W. 'PROSPECTOR' | PROSPECTOR ELM | 15 GAL | L | 7 |

GROUND COVERS

- AREAS OF 3" WOOD WALK ON BARK. ON SPARSE TREES INSTALL A 60" DIA BASIN, AND ON SHRUBS INSTALL A 36" BASIN. FILL BASIN WITH 3" OF WALK ON BARK. APPROX. 14,100 SF.
- AREAS OF 3" OF TIRE-DERIVED RUBBER NUGGETS, MEDIUM BROWN COLOR ("GYPSY" OR "SADDLE BROWN") BY WEST COAST RUBBER RECYCLING, INC, HOLLISTER, CA. (831-634-2800) OR APPROVED EQUAL. SUBMIT SAMPLE FOR APPROVAL BY OWNER PRIOR TO ORDERING OR INSTALLATION. APPROX. 21,000 SF.
- EXISTING TREES TO REMAIN. PROTECT DURING CONSTRUCTION

LARS ANDERSEN & ASSOCIATES, INC.
 CIVIL ENGINEERS - LAND SURVEYORS - PLANNERS
 4894 WEST JACQUELYN AVENUE - FRESNO, CA 93722
 PHONE 559 276-2790 FAX 559 276-0850

Sierra Designs, Inc
 113 N. Church Street, Suite 310
 Visalia, California 93291
 Tele: 559.733.3690
 SDI No. 20-024 • 5.24.21



Project:
 Environmental Compliance Center
 Project Address: 310 S. West Avenue, Fresno CA 93706
 APN: 458-060-72
 Issue Date:
 Project No. T90203
 File Path: G:\Capital \Projects \Building Numbers \American Ave Landfill \T90203 Environmental Compliance Center\ 00 2018 ECC

Sheet Content:
 PLANTING PLAN

Fresno County Department of Public Works and Planning
 Capital Projects
 2220 Tulare Street, 8th Floor
 Fresno, California 93721

Sheet No.
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