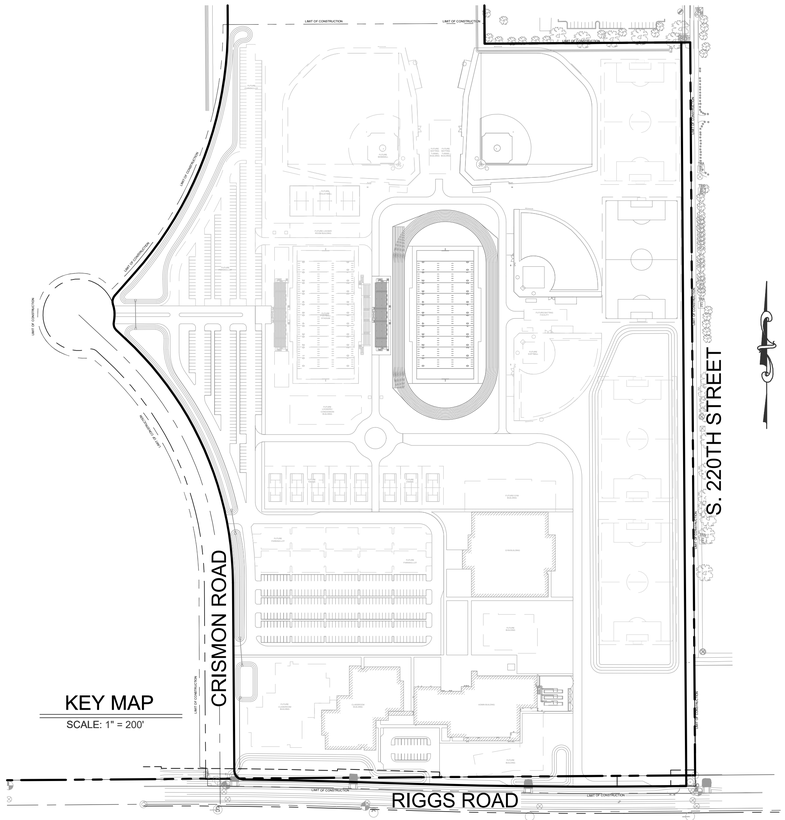
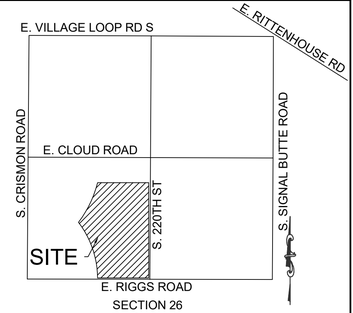
# QCUSD HIGH SCHOOL #3
# MASS GRADING PLANS

A PORTION OF THE SOUTHEAST QUARTER OF SECTION 26, TOWNSHIP 2 SOUTH, RANGE 7 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA

RIGGS ROAD, QUEEN CREEK, ARIZONA




KEY MAP
SCALE: 1" = 200'




SECTION 26
T.2 S., R.7 E.

VICINITY MAP

## SHEET INDEX


| | |
|---|---|
| C1-1.1 - C1-1.2 | COVER SHEET AND GENERAL NOTES |
| C1-1.3 | INDEX MAP / QUANTITIES |
| C1-2.1 | DEMOLITION PLAN |
| C1-3.1 - C1-3.9 | MASS GRADING PLANS |


## PROJECT AREA

THE GROSS AREA OF THE SUBJECT PARCEL IS APPROXIMATELY 73 ACRES.

AREA OF DISTURBANCE = 73 ACRES

## RETENTION

THE PROJECT HAS BEEN DESIGNED AND GRADED TO ACCOMMODATE THE 100-YEAR, 2-HOUR DESIGN STORM EVENT PER THE TOWN OF QUEEN CREEK REQUIREMENTS. ALL RETENTION BASINS ALONG ROADWAYS ARE DESIGNED WITH A MAXIMUM 6:1 SIDE SLOPES AND A PONDING DEPTH NOT TO EXCEED 3 FOOT.

THE PROJECT SITE IS CURRENTLY FARM ROAD BOUND BY AGRICULTURAL FARM LAND, RESIDENTIAL DEVELOPMENTS TO THE NORTH AND EAST AND A SMALL COMMERCIAL SITE AT THE NORTHEAST CORNER. THE SITE HAS AN EXISTING SLOPE OF APPROXIMATELY 0.5% FROM THE EAST TO THE WEST.

OFFSITE FLOWS DO NOT GREATLY AFFECT THE SITE .

RIGGS ROAD AND CRISMON ROAD HALF STREET RUNOFF HAS BEEN INCLUDED IN THE ONSITE RETENTION CALCULATIONS. CLOUD AVE HALF STREET DRAINAGE ALONG THE NORTH PARCEL BOUNDARY IS NOT INCLUDED IN THE DRAINAGE CALCULATIONS.

ULTIMATE OUTFALL FOR THE PROJECT IS LOCATED AT THE WEST END OF THE SITE AT THE CRISMON TURNAROUND. ELEVATION=1424.19

## BENCHMARK

FOUND 3" MARICOPA COUNTY BRASS CAP STAMPED "S26 S27 34 S35 T2S R7E 2002 RLS 31601

NAVD88 ELEVATION = 1421.52

## BASIS OF BEARING

SOUTH 89°35'27" WEST ALONG THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SECTION 26 TOWNSHIP 2 SOUTH, RANGE 7 EAST G&SRM

## ENGINEER


JUSTIN PETERSON, PE
LLOYD SPORTS + ENGINEERING
7349 N VIA PASEO DEL SUR,
SUITE 515-324
SCOTTSDALE, AZ 85258
(602) 635-4226


## OWNER


JIM LAMB
QUEEN CREEK UNIFIED SCHOOL DISTRICT
20217 E CHANDLER HEIGHTS ROAD
QUEEN CREEK, AZ 85142
(480) 987-5935


## QUEEN CREEK GENERAL NOTES

1. ALL IMPROVEMENTS SHALL CONFORM TO THE LATEST MAG STANDARDS AND SPECIFICATIONS OR THE LATEST STANDARDS AND SPECIFICATION ADOPTED BY THE TOWN.
2. THE TOWN PUBLIC WORKS DIRECTOR SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY CONSTRUCTION ON THE PROJECT SITE.
3. "ALL IMPROVEMENTS SHALL BE CONSTRUCTED WITH THE INSPECTION AND APPROVAL OF THE TOWN PUBLIC WORKS DEPARTMENT AND WILL REQUIRE A TOWN CONSTRUCTION PERMIT. CONSTRUCTION WILL NOT BEGIN UNTIL A PERMIT HAS BEEN ISSUED. IF THE WORK IS DISCONTINUED, IT SHALL NOT RESUME UNTIL AFTER NOTIFYING THE TOWN PUBLIC WORKS DIRECTOR.
4. UTILITIES MUST BE INSTALLED EITHER IN DEDICATED PUBLIC RIGHT-OF-WAYS OR IN PUBLIC UTILITY EASEMENTS DEDICATED BY THE LAND OWNER FOR SUCH USAGE AND MAINTENANCE. THE DEVELOPER/OWNER IS RESPONSIBLE FOR THE COORDINATION OF THE RELOCATION OF UTILITIES ON SITE.
5. ALL UNDERGROUND UTILITY INSTALLATION IN STREETS OR PUBLIC ACCESS WAYS SHALL BE CONSTRUCTED PRIOR TO SURFACING SUCH STREET OR PUBLIC ACCESS WAY.
6. THE DEVELOPER SHALL PROVIDE FOR AN ARIZONA REGISTERED ENGINEER TO BE PRESENT ON THE SITE FOR SUFFICIENT TIME TO ASSESS COMPLIANCE WITH THE PLANS AND SPECIFICATIONS FOR EACH ELEMENT OF CONSTRUCTION AND NO LESS THAN ONCE A DAY WHEN CONSTRUCTION IS IN PROGRESS.
7. THE TOWN PUBLIC WORKS DIRECTOR SHALL BE NOTIFIED UPON COMPLETION OF ALL UNDERGROUND UTILITIES WITHIN THE STREET RIGHT-OF-WAYS AND PRIOR TO ANY STREET PREPARATION WORK. INTERIM AS-BUILT PLANS OF THE UTILITIES AND ALL PASSING TEST RESULTS WILL BE SUBMITTED FOR REVIEW. UPON REVIEW AND APPROVAL OF THE SUPPLIED INFORMATION, THE DEVELOPER MAY PROCEED WITH THE INSTALLATION OF STREET IMPROVEMENTS.
8. THE DEVELOPER'S ENGINEER SHALL REQUEST THE TOWN PUBLIC WORKS DIRECTOR PERFORM INSPECTION OF THE SUB GRADE BASE PRIOR TO PLACEMENT OF THE OVERLAYING MATERIALS. IN ADDITION, THE TOWN PUBLIC WORKS DIRECTOR SHALL PERFORM PERIODIC INSPECTIONS THROUGHOUT THE COURSE OF CONSTRUCTION. THESE INSPECTIONS OR APPROVALS DO NOT SIGNIFY THAT THE TOWN HAS ACCEPTED ANY OF THE IMPROVEMENTS FOR MAINTENANCE.
9. THE DEVELOPER'S ENGINEER SHALL SUBMIT WEEKLY PROGRESS REPORTS TO THE TOWN PUBLIC WORKS DIRECTOR THROUGHOUT THE CONSTRUCTION. THE WEEKLY PROGRESS REPORTS WILL INCLUDE THE RESULTS OF ALL TESTS TAKEN DURING THE WEEK.
10. CONSTRUCTION MATERIALS TESTING SHALL BE PERFORMED AT THE DIRECTION OF THE TOWN PUBLIC WORKS DIRECTOR OR HIS REPRESENTATIVE AND AT THE EXPENSE OF THE OWNER/DEVELOPER.
11. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING INDIVIDUAL UTILITY COMPANIES FOR UTILITY LOCATION, OR FOR CALLING BLUE STAKE TO COORDINATE UTILITY LOCATION, AT LEAST 48 HOURS PRIOR TO EXCAVATION OF ALL UNDERGROUND UTILITIES.
12. THE ENGINEER CERTIFIES THAT HE HAS CONTACTED ALL APPLICABLE UTILITY COMPANIES AND HAS SHOWN ALL EXISTING AND/OR PROPOSED UTILITY LINES AND PERTINENT INFORMATION TO THESE PLANS, AND HAS PLOTTED CORRECTLY THE EXISTING AND PROPOSED UTILITY RIGHT-OF-WAY AND/OR EASEMENT LINES ON THE PLANS.

## GENERAL NOTES FOR GRADING CONSTRUCTION

A. THE DEVELOPER/CONTRACTOR IS RESPONSIBLE FOR PAYING PERMIT FEES PRIOR TO CONSTRUCTION.

B. A SEPARATE PERMIT IS NECESSARY FOR ANY CONSTRUCTION IN THE RIGHT-OF-WAY.

C. PRIOR TO THE START OF ANY ON-SITE GRADING OPERATIONS, THE CONTRACTOR SHALL NOTIFY THE TOWN ENGINEERING DIVISION AT LEAST 48 HOURS PRIOR TO COMMENCING WORK.

D. STAKING PAD AND/OR FINISHED FLOOR ELEVATIONS ARE THE RESPONSIBILITY OF THE DEVELOPER OR HIS ENGINEER. IN NON-CRITICAL AREAS, THE DEVELOPER'S ENGINEER SHALL SUBMIT CERTIFICATIONS OF CONSTRUCTED BUILDING PAD ELEVATIONS PRIOR TO THE TOWN'S ACCEPTANCE OF PROJECT. IN A CRITICAL DRAINAGE AREA, CERTIFICATION OF THE FINISHED BUILDING FLOOR OR STEM WALL ELEVATION SHALL BE SUBMITTED AND APPROVED PRIOR TO ANY VERTICAL CONSTRUCTION.

E. AN APPROVED GRADING AND DRAINAGE PLAN SHALL BE ON THE JOB SITE AT ALL TIMES. DEVIATIONS FROM THE PLAN MUST BE PRECEDED BY AN APPROVED PLAN REVISION.

F. ACCEPTANCE OF GRADING AND DRAINAGE IMPROVEMENTS SHALL INCLUDE, BUT NOT BE LIMITED TO, THE CONSTRUCTION OF RETENTION BASINS, CATCH BASINS, CURB FOR OTHER DRAINAGE FACILITIES, SITE GRADING, DRYWELLS, STORM DRAIN PIPES, UNDERGROUND STORAGE TANKS AND ASPHALT PAVEMENT.

G. DRYWELLS MUST BE DRILLED A MINIMUM OF 10 FEET INTO PERMEABLE POROUS STRATA.

H. THE CONTRACTOR SHALL CONSTRUCT ALL RETENTION BASINS TO THE ELEVATIONS AND SLOPES SHOWN ON THE PLANS

I. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND CONFIRMING DEPTH OF ALL THE EXISTING UTILITY LINES WITHIN PROPOSED RETENTION BASIN AREAS. IF THE BASIN CANNOT BE CONSTRUCTED PER PLAN AS A RESULT OF CONFLICT WITH UNDERGROUND UTILITIES, THE CONTRACTOR SHOULD CONTACT THE TOWN AND DESIGN ENGINEER AND REQUEST MODIFICATION OF THE BASIN DESIGN.

J. THIS SET OF PLANS HAS BEEN REVIEWED FOR COMPLIANCE WITH TOWN REQUIREMENTS PRIOR TO ISSUANCE OF CONSTRUCTION PERMITS AND SHALL BE KEPT AT THE CONSTRUCTION SITE. SUCH REVIEW SHALL NOT PREVENT THE TOWN FROM REQUIRING CORRECTIONS TO ERRORS ON THE PLANS, WHICH ARE FOUND TO BE IN VIOLATION OF ANY LAW OR ORDINANCE.

K. NO PERSON SHALL USE ANY MECHANICAL EQUIPMENT FOR CLEARING, GRUBBING, ROAD CONSTRUCTION, TRENCHING, EXCAVATING, DEMOLITION OR ENGAGE IN ANY EARTHMOVING ACTIVITY WITHOUT FIRST OBTAINING A DUST CONTROL PERMIT FROM MARICOPA COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES.

## RETENTION CALCULATIONS

V=CIA P=(2.24/12) FT = 0.19FT

| | | |
|---|---|---|
| DA-1 | 6.43 ACRE X C=0.6 x 0.19 | = 0.72 AF REQUIRED |
| DA-2 | 6.69 ACRE X C=0.7 X 0.19 | = 0.87 AF REQUIRED |
| DA-3 | 4.30 ACRE X C=0.7 X 0.19 | = 0.56 AF REQUIRED |
| DA-4 | 3.70 ACRE X C=0.85 X 0.19 | = 0.58 AF REQUIRED |
| DA-5 | 2.59 ACRE X C=0.85 X 0.19 | = 0.41 AF REQUIRED |
| DA-6 | 4.77 ACRE X C=0.85 X 0.19 | = 0.66 AF REQUIRED |
| RB-1 | 6.09 ACRE X C=0.5 x 0.19 | = 0.57 AF REQUIRED |
| | | = 4.37 AF REQUIRED |
| | | = 8.97 AF PROVIDED |

| | | |
|---|---|---|
| DA-10 | 5.35 ACRE X C=0.9 X 0.19 | = 0.89 AF REQUIRED |
| DA-11 | 0.65 ACRE X C=0.9 X 0.19 | = 0.11 AF REQUIRED |
| RB-3 | 0.32 ACRE X C=0.5 X 0.19 | = 0.03 AF REQUIRED |
| DA-7 | 1.03 ACRE X C=0.9 X 0.19 | = 0.17 AF REQUIRED |
| DA-8 | 2.58 ACRE X C=0.85 X 0.19 | = 0.41 AF REQUIRED |
| DA-9 | 0.63 ACRE X C=0.9 X 0.19 | = 0.11 AF REQUIRED |
| DA-9a | 0.60 ACRE X C=0.9 X 0.19 | =0.10 AF REQUIRED |
| DA-9b | 1.15 ACRE X C=0.9 C 0.19 | = 0.19 AF REQUIRED |
| RB-2 | 1.25 ACRE X C=0.5 X 0.19 | = 0.12 AF REQUIRED |
| | | = 1.80 AF REQUIRED |
| | | = 2.03 AF PROVIDED |

| | | |
|---|---|---|
| DA-12 | 2.34 ACRE X C=0.9 X 0.19 | = 0.39 AF REQUIRED |
| DA-13 | 4.27 ACRE X C=0.80 X 0.19 | = 0.63 AF REQUIRED |
| DA-14 | 1.09 ACRE X C=0.9 X 0.19 | = 0.18 AF REQUIRED |
| RB-4 | 0.90 ACRE X C=0.5 X 0.19 | = 0.08 AF REQUIRED |
| DA-15 | 2.63 ACRE X C=0.9 X 0.19 | = 0.44 AF REQUIRED |
| DA-16 | 7.72 ACRE X C=0.65 X 0.19 | = 0.93 AF REQUIRED |
| DA-17 | 0.75 ACRE X C=0.9 X 0.19 | = 0.13 AF REQUIRED |
| RB-5 | 1.34 ACRE X C=0.5 X 0.19 | = 0.12 AF REQUIRED |
| | | = 1.84 AF REQUIRED |
| | | = 2.25 AF PROVIDED |

| | | |
|---|---|---|
| DA-18 | 0.95 ACRES X C=0.9 X 0.19 | = 0.16 AF REQUIRED |
| RB-6 | 0.25 ACRES X C=0.5 X 0.19 | = 0.02 AF REQUIRED |
| | | = 0.18 AF REQUIRED |
| | | = 0.28 AF PROVIDED |

## RETENTION BASIN TABLE

| RETENTION BASIN | AREA (sf) | DEPTH (ft) | VOLUME (cf) |
|---|---|---|---|
| RB-1 | 213,116 | 2 | 390,637 |
| RB-2 | 8,130 | 3 | 13,045 |
| RB-3A+3B | 41,604 | 3 | 88,579 |
| RB-4 | 27,731 | 3 | 42,953 |
| RB-5 | 43,847 | 3 | 98,199 |
| RB-6 | 8,976 | 2 | 12,083 |

## PROJECT DESCRIPTION

MASS GRADING OF PHASE 1. CONSTRUCTION OF THREE BUILDINGS, TRACK AND FIELD, BASEBALL, SOFTBALL FIELDS WITH AMENITIES AND SOCCER FIELDS FOR THE QUEEN CREEK UNIFIED SCHOOL DISTRICT ON A FARM SITE OFF OF RIGGS ROAD. THE CIVIL SCOPE OF WORK WILL INCLUDE MASS GRADING OF THREE BUILDING PADS, PARKING LOTS, OFFSITE ROADWAYS, TRACK AND FIELD SUBGRADE. FUTURE PHASE TO INCLUDE ADDITIONAL BUILDINGS, EXPANDED PARKING, FOOTBALL STADIUM, ADDITIONAL SOFTBALL AND BASEBALL FIELDS, TENNIS AND VOLLEYBALL COURTS.

## AS-BUILT CERTIFICATION

I HEREBY CERTIFY THE "RECORD DRAWING" MEASUREMENTS AS SHOWN HEREON WERE MADE UNDER MY SUPERVISION OR AS NOTED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

ENGINEER REGISTRATION NUMBER

## APPROVALS

THE AUTHORIZED REPRESENTATIVES OF THE FOLLOWING AGENCIES HEREBY ACKNOWLEDGE OR HAVE ACKNOWLEDGED THEY HAVE REVIEWED AND APPROVED THE DESIGN SHOWN BY THESE DRAWINGS. CONSTRUCTION MAY BEGIN AFTER ALL APPROPRIATE PERMITS HAVE BEEN OBTAINED.

TOWN ENGINEER DATE

Contact Arizona 811 at least two full working days before you begin excavation
ARIZONA811
Call 811 or click Arizona811.com

## COORDINATION LIST

| DESCRIPTION | REPRESENTATIVE | DATE | PHONE |
|---|---|---|---|
| CENTURY LINK | KEVIN WAGNER | | 815-245-9640 |
| COX COMMUNICATION | CHRISTOPHER PEREZ | | 623-328-3554 |
| SOUTHWEST GAS | TANYA ACEVES | | 602-395-4030 |
| SRP (ELECTRIC) | TONY ALVARADO | | 602-236-2373 |

## FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

| COMMUNITY NUMBER | PANEL# PANEL DATE | DATE OF FIRM (INDEX OF DATE) | FIRM ZONE | BASE FLOOD ELEVATION (IN AO ZONE, USE DEPTH) |
|---|---|---|---|---|
| 040132 | 3135 SUFFIX L | 10-16-13 | ZONE X | LESS THAN 1 FOOT |
| | October 16, 2013 | | | |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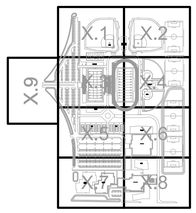
LLOYD SPORTS + ENGINEERING
7349 N. VIA PASEO DEL SUR
SUITE 515-324
SCOTTSDALE, ARIZONA 85258
PH 602.635.4226


CONSTRUCTION DOCUMENTS

Registered Professional Engineer (Civil)
CERTIFICATE NO.
46775
JUSTIN L. PETERSON
Date Signed 6/30/21
ARIZONA, U.S.A.

REV.

QCUSD #3
MASS GRADING PLANS

RIGGS ROAD
QUEEN CREEK, AZ

| | |
|---|---|
| DESIGNED: | JLP |
| DATE: | June 30, 2021 |
| DRAWN: | TML |
| PROJ. | 20-160 |
| SCALE: | 1" = 200' |

COVER SHEET

DWG. NO.

C1-1.1

Z:\Shared\Project\20-160 QCUSD HS #3\Construction Documents\20160 C1-1 Cover - Mass Grade.dwg 6/29/2021 10:12 AM

# ENGINEERS NOTES:

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL STRUCTURES, UNDERGROUND PIPELINES, ELECTRICAL AND TELEPHONE CONDUITS, EITHER SHOWN OR NOT SHOWN ON THE PLANS PRIOR TO ANY CONSTRUCTION, AND TO OBSERVE ALL POSSIBLE PRECAUTIONS TO AVOID ANY DAMAGE TO THESE FACILITIES. THE ENGINEER AND/OR DEVELOPER WILL NOT GUARANTEE ANY ELEVATIONS OR LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ON THESE PLANS.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO UNCOVER ALL EXISTING WATER AND SEWER LINES BEING CONNECTED TO, AND O VERIFY THE LOCATIONS, DEPTH, FLOWLINE ELEVATIONS, AND SIZE OF PIPE, BEFORE ANY CONSTRUCTION BEGINS.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROVIDE STATIONING OR DISTANCE ON ALL NEW WATER LINES, VALVES, SERVICES, FIRE HYDRANTS, SEWER LINES, MANHOLES, CLEANOUTS, AND TAPS INSTALLED IN THE PROJECT, TO THE ENGINEER.
4. LLOYD CONSULTING GROUP IS NOT RESPONSIBLE FOR CONSTRUCTION STAKING. THE OWNER AND/OR THE CONTRACTOR SHALL ARRANGE FOR CONSTRUCTION STAKING.
5. ANY CONSTRUCTION PERFORMED WITHOUT THE KNOWLEDGE OF THE TOWN INSPECTOR OR HIS REPRESENTATIVE IS LIABLE FOR REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
6. COMPACTION, BEDDING, AND BACKFILL SHALL BE PER M.A.G. UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
7. ALL WORK AND MATERIALS WHICH DO NOT CONFORM TO THE SPECIFICATIONS ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTORS EXPENSE.
8. ANY QUESTIONS RAISED RELATIVE TO THE ACCURACY OF IMPROVEMENT INSTALLATION SHALL BE RAISED PRIOR TO THE COMMENCEMENT OF THE WORK IN QUESTION.
9. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR AND EQUIPMENT TO CONSTRUCT/INSTALL THE IMPROVEMENT SHOWN ON THESE PLANS UNLESS SPECIFICALLY NOTED OTHERWISE.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING "AS-BUILT" DRAWINGS TO THE MUNICIPALITY HAVING JURISDICTION IF REQUIRED.
11. DIMENSIONS SHOWN ON THESE PLANS ARE FOR REFERENCE ONLY. DO NOT SCALE THESE PLANS.
12. THE INVERT ELEVATIONS SHOWN ON THESE PLANS HAVE BEEN DESIGNED TO PROVIDE AT LEAST FOUR (4) FEET OF COVER OVER THE TOP OF THE PIPE (EXCLUDING THE PAVEMENT THICKNESS). THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE NEWLY INSTALLED PIPES FROM DAMAGE CAUSED BY CONSTRUCTION ACTIVITY ON THE SITE PRIOR TO THE FINAL PAVEMENT SECTION BEING INSTALLED.
13. ALL VALVE BOXES, METER BOXES, MANHOLE RIMS, SEWER CLEANOUT RIMS, ETC., SHALL BE ADJUSTED TO FINAL FINISHED GRADE PER M.A.G. STANDARD DETAIL 270 AND M.A.G. STANDARD DETAIL 391-1 PRIOR TO ACCEPTANCE OF THE WORK BY OWNER.
14. TRAFFIC REGULATIONS: ALL WORK MUST COMPLY WITH REQUIREMENTS OF CURRENT "TRAFFIC BARRICADE MANUAL".
15. THE CONTRACTOR IS RESPONSIBLE FOR ALL METHODS, SEQUENCING, AND SAFETY USED DURING CONSTRUCTION UNLESS SPECIFICALLY ADDRESSED OTHERWISE IN THESE PLANS OR ELSEWHERE IN THE CONTRACT DOCUMENTS.
16. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND COMPLYING WITH ALL PERMITS REQUIRED TO COMPLETE ALL WORK COVERED BY THESE PLANS.
17. THE CONTRACTOR SHALL CALL FOR BLUE STAKE (811) TWO DAYS PRIOR TO ANY EXCAVATION.
18. THE CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION OF CONSTRUCTION AFFECTING UTILITIES AND THE COORDINATION OF ANY NECESSARY UTILITY RELOCATION WORK.
19. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BE AWARE OF THE CONTENTS OF THESE PLANS.
20. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL CONSTRUCTION PER PLANS. ANY ADDITIONS, DELETIONS OR CHANGES SHALL FIRST MEET WITH THE APPROVAL OF THE ENGINEER.
21. QUANTITIES SHOWN HEREON ARE FOR THE PURPOSE OF TOWN APPROVAL. EACH BIDDER/CONTRACTOR SHALL INDEPENDENTLY DETERMINE QUANTITIES FOR HIS/HER OWN PURPOSE.

# GENERAL DRAINAGE NOTES:

1. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES, AND SERVICES BEFORE COMMENCING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES, AND SERVICES SHOWN IN THE CONTRACT DOCUMENTS SHALL BE DEEMED TO BE APPROXIMATIONS ONLY. ALL DISCREPANCIES BETWEEN WHAT IS SHOWN AND THE ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE DISTRICT REPRESENTATIVE. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (811) PRIOR TO ANY DEMOLITION OR EXCAVATION. UPON COMPLETION OF USA MARKING OPERATIONS, CONTRACTOR SHALL RECORD ALL UTILITY MARKINGS ON A SEPARATE SET OF DRAWINGS. THIS SET SHALL BE KEPT ON-SITE FOR REFERENCE FOR DURATION OF CONTRACT.
2. ALL EXISTING DRAINAGE STRUCTURES, BOXES, UTILITY VAULTS, ETC. TO REMAIN, SHALL BE BROUGHT TO FINAL FINISH GRADE PRIOR TO FINAL SURFACE TREATMENT.
3. THE CONTRACTOR IS TO PROTECT DRAINAGE SYSTEM FROM DEBRIS, INCLUDING SOIL, ROCK MATERIAL, AND TRASH FROM ENTERING THE PIPE DURING CONSTRUCTION. CONTRACTOR SHALL AVOID PLACING CONSTRUCTION VEHICLES OVER INSTALLED DRAINAGE TRENCHES TO PREVENT CRUSHING OF PIPE.
4. COORDINATE ALL SLEEVING AND UTILITY LOCATIONS AS SHOWN ON THE PLANS AND DETAILS CONTAINED WITHIN THESES CONTRACT DOCUMENTS.
5. THE CONTRACTOR IS TO ENSURE THAT ALL REMAINING ACTIVE AND NEW DRAINAGE AND UTILITY LINES ARE PROTECTED AND UNDAMAGED FROM TRENCHING AND FOOTING EXCAVATIONS FOR NEW FOOTINGS, PARTICULARLY FOR NEW FENCING AND WALLS.
6. ALL ABANDONED STORM LINES SHALL REMAIN IN PLACE UNLESS IN CONFLICT WITH PROPOSED DRAINAGE, UTILITY, OR SUBGRADING OPERATIONS, IN WHICH CASE ABANDONED PIPE IN CONFLICT SHALL BE REMOVED. REMAINING ABANDONED STORM PIPE SHALL BE SEALED WITH APPROPRIATELY SIZED CONCRETE CAP (3 SACK MIX) 6" ENVELOPE OUTSIDE AND INSIDE DIAMETER OF PIPE.
7. PRIOR TO ALL DRAINAGE AND UTILITY WORK, CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL POTENTIAL DRAINAGE CONNECTIONS AND EXISTING UTILITY BY POTHOLING. IN ADDITION, ALL DOWNSTREAM CONNECTIONS TO EXISTING STRUCTURES SHALL BE THE START OF THESE OPERATIONS, AND GRADES SHALL BE VERIFIED. CONTRACTOR SHALL FLUSH AND RUN CAMERAS THROUGH EXISTING DRAINAGE SYSTEM WITHIN LIMIT OF WORK TO VERIFY SYSTEM'S INTEGRITY.
8. LENGTHS OF DRAIN LINES BETWEEN PROPOSED AND EXISTING ELEMENTS AND INVERT ELEVATIONS OF PROPOSED DRAINAGE STRUCTURES ON EXISTING DRAIN LINES ARE APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD.

# DEMOLITION NOTES:

1. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID SUBMITTAL IN ORDER TO DETERMINE THE EXTENT AND CONDITIONS OF SITE DEMOLITION AND TO FIELD VERIFY SITE CONDITIONS. THE CONTRACTOR SHALL NOTIFY THE OWNER OF ANY DISCREPANCIES PRIOR TO BID.
2. THE CONTRACTOR SHALL PERFORM ALL CLEARING, DEMOLITION AND REMOVAL SITE PREPARATIONS NECESSARY FOR THE EXECUTION OF THE WORK CONTAINED IN THE CONTRACT DOCUMENTS.
3. EXISTING STORM DRAIN FACILITIES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED FROM CONSTRUCTION DEBRIS INTRUSION. THE CONTRACTOR SHALL FLUSH AND CLEAN EXISTING DRAINAGE SYSTEMS THAT ARE TO BE PROTECTED IN PLACE, WITHIN THE PROJECT LIMITS, TO THE POINT OF DISCHARGE.
4. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES, STRUCTURES, AND SERVICES BEFORE COMMENCING WORK. CONTRACTOR IS RESPONSIBLE FOR POT-HOLING AND UTILITY SURVEYS AS NECESSARY TO LOCATE EXISTING UTILITIES.
5. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BMP's AND PROTECTIONS TO DRAINS AND DRAINAGE SYSTEMS AS REQUIRED BY THE PROJECT SWPPP DOCUMENTS AND ADEQ PRIOR TO COMMENCING DEMOLITION.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY EXISTING ITEM DAMAGED OR DESTROYED BY CONSTRUCTION NOT IDENTIFIED FOR DEMOLITION OR REMOVAL. REPLACEMENT OR REPAIRS SHALL BE AT THE CONTRACTOR'S EXPENSE AND ITEM RESTORED TO EQUAL OR BETTER CONDITION.
7. THE CONTRACTOR SHALL PROVIDED NECESSARY MEASURES TO CONTROL DUST AND AIRBORNE SEDIMENT PER THE SWPPP DOCUMENTS AND AS REQUIRED BY THE STATE.
8. REFER TO AS-BUILT DRAWINGS AND GEOTECHNICAL REPORT FOR DEPTH OF EXISTING PAVING AND BASES.
9. CONTRACTOR MUST REMOVE AND DISPOSE OF ALL WEEDS, LOOSE MATERIALS.
10. THE CONTRACTOR SHALL OBTAIN ANY REQUIRED PERMITS PRIOR TO DEMOLITION.
11. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING IRRIGATION SERVICE TO EXISTING LANDSCAPE MATERIAL TO REMAIN AND TO ADJACENT FIELDS BOTH DURING AND AFTER CONSTRUCTION.
12. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING DEMOLITION.
13. CONTRACTOR SHALL NOTIFY USA 811 PRIOR TO ANY DEMOLITION OR EXCAVATION.
14. CONTRACTOR SHALL PROVIDE CONSTRUCTION FENCING PLAN SUBMITTAL FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
15. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES NOT SPECIFICALLY CALLED OUT FOR REMOVAL UNTIL WHICH TIME HE HAS DETERMINED THAT A DIRECT CONFLICT EXISTS WITH THE CONSTRUCTION OF ANY NEW FACILITIES. THE CONTRACTOR SHALL THEN BE RESPONSIBLE TO REMOVE OR RELOCATE ANY SUCH UTILITIES.
16. CONTRACTOR TO POTHOLE ALL UTILITIES PRIOR TO CONSTRUCTION.
17. CONTRACTOR SHALL FOLLOW ALL APPLICABLE LOCAL AND GOVERNMENTAL LAWS REGARDING THE DEMOLITION, REMOVAL, TRANSPORTATION, AND DISPOSAL OF ASBESTOS CEMENT PIPE. CONTRACTOR SHALL DEVELOP AND ADHERE TO A JOB SITE SAFETY PLAN FOR THIS PORTION OF WORK IN ORDER TO MINIMIZE EXPOSURE AND ENSURE THE HEALTH AND SAFETY OF ALL PERSONAL IN THE AREA.
18. THE CONTRACTOR IS TO VERIFY THAT ALL EXISTING IMPROVEMENTS ARE SHOWN.
19. THE EXISTING TOPOGRAPHIC INFORMATION AND UNDERGROUND UTILITIES SHOWN ON THESE PLANS WERE COMPILED FROM THE BEST AVAILABLE DATA INCLUDING GROUND SURVEYS AND AS-BUILT PLANS. THE ENGINEER MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT DEPTH, SIZE, AND LOCATION OF ALL UTILITIES PRIOR TO COMMENCEMENT OF WORK.
21. THE CONTRACTOR SHALL VERIFY CRITICAL ELEVATIONS USING THE BENCHMARK PROVIDED BY THE SURVEYOR PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE SURVEYOR'S AND ENGINEER'S ATTENTION.
22. PROTECT ALL EXISTING UNDERGROUND STORM DRAINS, WATER LINES, ELECTRICAL LINES, AND OTHER UTILITIES THAT ARE NOT SPECIFICALLY CALLED OUT FOR REMOVAL.

# QUEEN CREEK GRADING & DRAINAGE NOTES:

1. A GRADING PERMIT SHALL BE REQUIRED.
2. CONTRACTOR SHALL PROVIDE GRADING FOR POSITIVE DRAINAGE IN ALL RETENTION BASINS AT ELEVATIONS AS SHOWN ON THE PLANS. BOTTOM OF BASIN SHALL BE GRADED TO DRAIN TOWARD DRYWELLS (WHEN USED). MAXIMUM SIDE SLOPES SHALL BE 6:1
   - DRYWELLS INLET GRATE SHALL BE AT FINISH GRADE AT BOTTOM OF THE RETENTION BASIN.
   - DRILLING LOGS FOR DRYWELLS WILL BE FURNISHED TO THE TOWN INSPECTOR PRIOR TO FINAL ACCEPTANCE.
   - A PERCOLATION TEST WILL BE REQUIRED OF COMPLETED DRYWELLS PRIOR TO ACCEPTANCE. SHOULD EXISTING SOIL CONDITIONS BE ENCOUNTERED WHICH LACK SUFFICIENT PERCOLATION RATES, ADDITIONAL DRYWELLS OR AN ALTERNATIVE METHOD OF STORM WATER RUN-OFF DISPOSAL WILL BE REQUIRED.
   - DRYWELL CONSTRUCTION SHALL BE DONE ONLY BY CONTRACTORS LICENSED BY THE ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY.
   - ALL DRYWELLS ARE REQUIRED TO BE REGISTERED WITH THE ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY.
   - THE APPROVED DRYWELL REGISTRATION SHALL BE SUMITTED TO THE TOWN BY THE DEVELOPER OR HIS ENGINEER AT THE TIME AS-BUILTS ARE SUBMITTED.
   - A PRIVATE MAINTENANCE PLAN SHALL BE PREPARED THAT PROVIDES FOR ROUTINE
   - INSPECTION AND MAINTENANCE TO THE APPROVAL OF THE TOWN ENGINEERING MANAGER.
3. CERTIFICATION OF FINISH FLOORS OR BUILDING PADS IS THE RESPONSIBILITY OF THE DEVELOPER/ BUILDER, ENGINEERS, OR OWNER AND SHALL BE SUBMITTED PRIOR TO PLACING CONCRETE FLOORS.
4. AN APPROVED GRADING AND DRAINAGE PLAN SHALL BE ON THE JOB SITE AT ALL TIMES. DEVIATIONS FROM THE PLAN MUST BE PRECEDED BY A TOWN OF QUEEN CREEK APPROVED PLAN REVISION.
5. ALL DRAINAGE PROTECTIVE DEVICES SUCH AS SWALES, PIPES, OR OTHER MEASURES DESIGNED TO PROTECT BUILDINGS OR PROPERTY FROM STORM RUNOFF MUST BE COMPLETED PRIOR TO ANY STRUCTURE BEING BUILT.
6. PREPARATION OF GROUND: THE AREA OVER WHICH FILLS ARE TO BE MADE SHALL BE CLEARED OF ALL TRASH, TREES, STUMPS, DEBRIS OR OTHER MATERIAL NOT SUITABLE AS A FOUNDATION FOR FILL.
7. LOCATION OF ALL UTILITIES SHOWN ON THIS PLAN ARE BASED ON INFORMATION SUPPLIED TO THE ENGINEER BY THE APPROPRIATE UTILITY COMPANIES, NO GUARANTEE ON LOCATIONS OR ACCURACY IS IMPLIED OR GIVEN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT BLUE STAKE (602)263-1100 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.
8. DISTURBED AREAS SHALL BE (RE)VEGETATED WITH TOWN APPROVED DESERT PLANTS OR DROUGHT RESISTANT PLANS. EXISTING VEGETATION SHALL BE RELOCATED IF DISTURBED BY CONSTRUCTION.
9. SWALES SHALL BE LINED WITH 6" MINIMUM DIAMETER ROCK SIZE AND THE DEPTH SHALL MATCH THE APPROVED SWALE DETAIL.
10. CONTRACTOR/BUILDER SHALL NOTIFY THE ENGINEER OF ANY VARIANCES BETWEEN THESE PLANS NOTIFY THE ENGINEER OF ANY VARIANCES BETWEEN THESE PLANS AND ONSITE CONDITIONS.
11. ALL DRAINAGE SWALES SHALL BE FREE OF TRASH, DELETERIOUS MATERIAL, SILT, VEGETATION, AND DEBRIS. MAINTENANCE SHALL BE BY THE HOMEOWNERS ASSOCIATION.
12. DROPS IN GRADE OF 30" OR MORE IN OR ADJACENT TO TRAILS, SIDEWALKS ETC. SHALL BE PROTECTED BY SAFETY RAIL THAT IS OSHA COMPLIANT.
13. CONTRACTOR SHALL VERIFY PROPERTY LINE LOCATIONS PRIOR TO PROCEEDING WITH WORK.
14. FINISHED GRADE SHALL SLOPE AWAY FROM RESIDENCE AT 5% FOR A MINIMUM DISTANCE OF 5' TO AN APPROVED WATER DISPOSAL AREA.
15. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CURRENT MAG SPECIFICATIONS AND/OR TOWN OF QUEEN CREEK STANDARD DETAILS .
16. CONTRACTORS SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO STARTING CONSTRUCTION.
17. CONTRACTOR SHALL UNCOVER ALL UTILITIES BEING TIED INTO TO VERIFY THEIR LOCATION PRIOR TO STARTING NEW LINES.
18. CONTRACTOR SHALL ADHERE TO THE REQUIREMENTS OF THE APPROVED PROJECT SOIL INVESTIGATION REPORT.

# QUEEN CREEK SWPPP NOTES:

1. A COPY OF THE APPROVED GRADING AND DRAINAGE PLAN FOR THIS PROJECT, TOGETHER WITH A COPY OF THE NOTICE OF INTENT (NOI) AND THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE MAINTAINED ON THE SITE AND AVAILABLE FOR REVIEW. THOSE ELEMENTS OF THE GRADING AND DRAINAGE PLAN PERTINENT TO OR REFERENCED ON THE SWPPP SHALL BE CONSIDERED PART OF THE SWPPP.
2. THE CONTRACTOR SHALL NOTIFY THE TOWN OF QUEEN CREEK PUBLIC WORKS DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF ANY INSPECTIONS.
3. THE OPERATOR SHALL OBTAIN A DUST CONTROL PERMIT FROM THE COUNTY AND PERFORM MEASURES AS REQUIRED BY THE PERMIT TO PREVENT EXCESS DUST.
4. THE OPERATOR SHALL PERFORM, AT A MINIMUM, A VISUAL INSPECTION OF THE CONSTRUCTION SITE ONCE EVERY MONTH AND WITHIN 24 HOURS OF RAINFALL GREATER THAN OR EQUAL TO ONE HALF INCH OR MORE. THE OPERATOR SHALL PREPARE A REPORT DOCUMENTING HIS/HER FINDINGS ON THE CONDITIONS OF THE SWPPP CONTROLS AND NOTE ANY EROSION PROBLEM AREAS. THE OPERATORS REPORT IS TO BE SUBMITTED TO THE PUBLIC WORKS DEPARTMENT FOR REVIEW AND APPROVAL. FACILITIES SHALL BE MAINTAINED AS NECESSARY TO ENSURE THERE CONTINUED FUNCTIONING. IN ADDITION, ALL TEMPORARY SILTATION CONTROLS SHALL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED, AND THE POTENTIAL FOR EROSION HAS PASSED.
5. THE OPERATOR SHALL AMEND THIS PLAN AS NECESSARY DURING THE COARSE OR CONSTRUCTION TO RESOLVE ANY PROBLEM AREAS THAT BECOME EVIDENT DURING THE CONSTRUCTION AND/OR DURING RAINFALLS.
6. THE PERMITTEE SHALL FILE A NOTICE OF TERMINATION (NOT) AFTER COMPLETION OF CONSTRUCTION AND PLACEMENT OF FINAL LANDSCAPE MATERIALS. THE NOT IS TO BE SUBMITTED TO THE PUBLIC WORKS DEPARTMENT TO FINAL THE SWPPP PERMIT.
7. THE PERMITTEE SHALL SAVE ALL RECORDS, INCLUDING THE NOI, SWPPP, NOT, AND THE INSPECTION REPORTS, ON FILE FOR A MINIMUM OF THREE YEARS FROM THE DATE OF FILING THE NOT.
8. THE IMPLEMENTATION OF THESE PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE FACILITIES IS THE RESPONSIBILITY OF THE PERMITTEE/CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED AND THE NOT IS SUBMITTED TO THE PUBLIC WORKS DEPARTMENT.
9. THE FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES IN SUCH A MANNER AS TO INSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS, AND MUST BE INSTALLED AND IN OPERATION PRIOR TO ANY GRADING OR LAND CLEARING. WHEREVER POSSIBLE, MAINTAIN NATURAL VEGETATION FOR SILT CONTROL.
10. THE CONTRACTOR'S NOI MUST BE RECEIVED PRIOR TO THE SWPPP PERMIT BEING ISSUED. THE CONTRACTOR THAT WILL BE PULLING THE G&D PERMIT MUST HAVE THE SWPPP PERMIT IN THEIR NAME.

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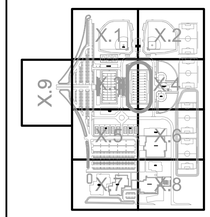



CONSTRUCTION DOCUMENTS

Registered Professional Engineer (Civil)
CERTIFICATE NO.
46775
JUSTIN L.
PETERSON
Date Signed 6/29/21
ARIZONA, U.S.A.

REV.

QCUSD #3
MASS GRADING PLANS

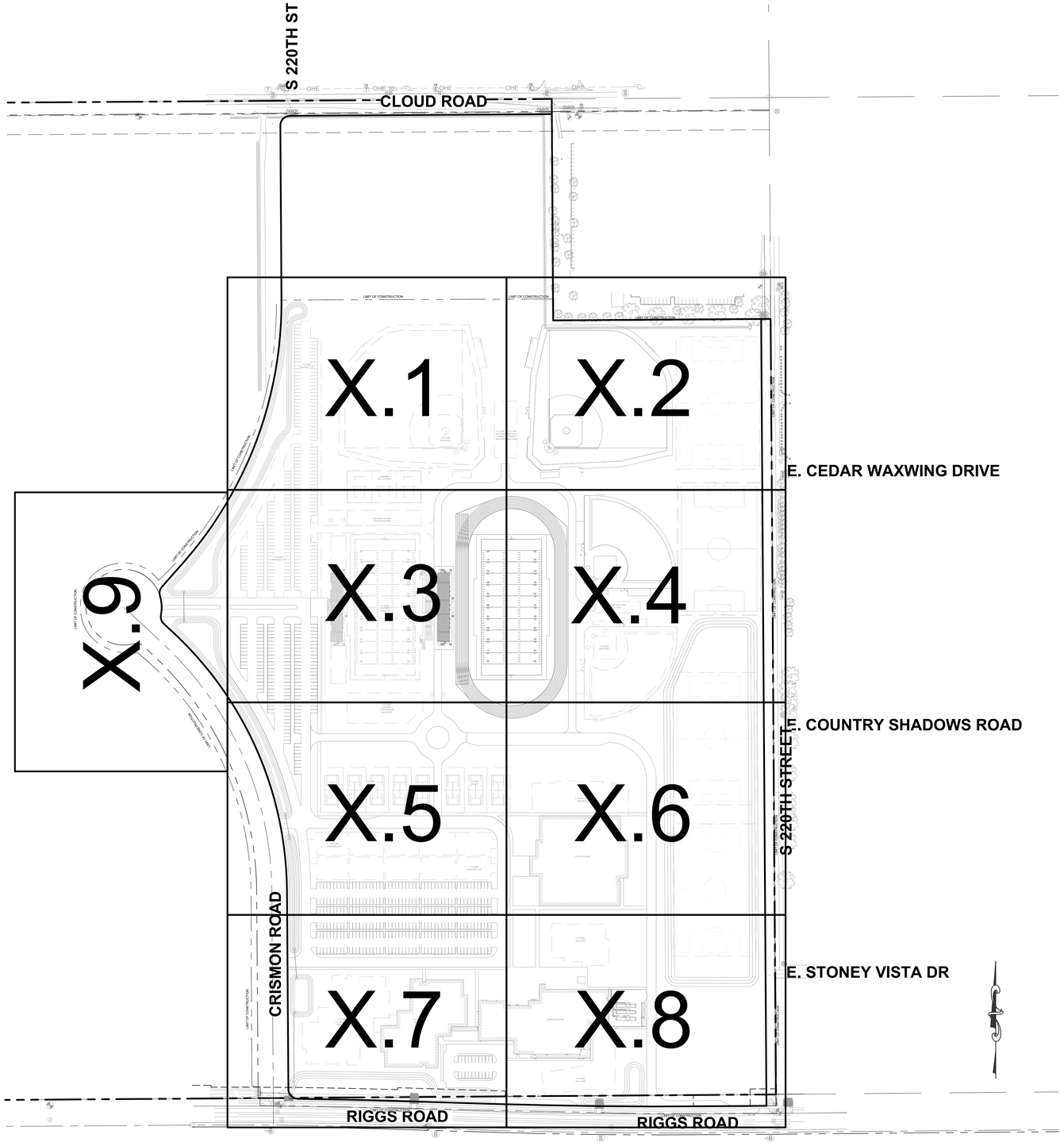
RIGGS ROAD
QUEEN CREEK, AZ

| | |
|---|---|
| DESIGNED: | JLP |
| DATE: | June 30, 2021 |
| DRAWN: | TML |
| PROJ. | 20-160 |
| SCALE: | |

GENERAL NOTES

DWG. NO.

C1-1.2




INDEX MAP
SCALE: 1" = 150'

## EARTHWORK CALCULATIONS

| | CUT | FILL |
|---|---|---|
| 4" CLEAR AND GRUB | 52,112 CY | |
| RAW CUT | 81,810 CY | |
| 20% SHRINK | 16,632 CY | |
| REMAINING CUT | 65,448 CY | |
| RAW FILL | | 65,611 CY |
| TOTAL IMPORT | | 2,203 CY |

**NOTES:**

1. THE ENGINEER MAKES NO REPRESENTATION OR GUARANTEE REGARDING EARTHWORK QUANTITIES OR THAT THE EARTHWORK FOR THIS PROJECT WILL BALANCE DUE TO THE VARYING FIELD CONDITIONS, CHANGING SOIL TYPES, ALLOWABLE CONSTRUCTION TOLERANCES AND CONSTRUCTION METHODS THAT ARE BEYOND THE CONTROL OF THE ENGINEER.
2. EARTHWORK QUANTITIES WERE CALCULATED USING EXISTING SURFACE ELEVATIONS AND PROPOSED SUBGRADE, HOWEVER FOOTING AND FOUNDATION EXCAVATIONS, TRENCHING, SOIL LOSSES WERE NOT CONSIDERED. SHRINK AND SWELL WAS ASSUMED TO BE 20%. CONTRACTOR TO NOTIFY ENGINEERING IF CONDITIONS CHANGE DURING GRADING OPERATIONS.
3. PROPOSED SUBGRADE ASSUMPTIONS ARE 12" THICK BASE UNDER BUILDING FOOTPRINTS, 11" THICK PAVEMENT SECTION UNDER ROADWAYS AND 8" THICK PAVEMENTS IN PARKING LOTS. 4" CLEAR AND GRUB WAS ASSUMED OVER THE ENTIRE SITE.
4. EARTHWORK CALCULATION INCLUDES THE ENTIRE AREA OF IMPROVEMENT.
5. THE CALCULATIONS DO NOT ACCOUNT FOR LIME TREATED FILL IMPORT NOR ANY STRUCTURAL IMPORT.
6. CONTRACTOR TO FOLLOW GEOTECHNICAL REPORT RECOMMENDATIONS FOR LIME TREATMENT REQUIREMENTS UNDER BUILDING PADS, PAVEMENT AND HARDSCAPE AREAS.

## LEGEND

| | |
|---|---|
| — — — | LIMITS OF CONSTRUCTION |
| - - -→ | DRAINAGE ARROW |
| EX | EXISTING GRADE ELEVATION |
| FF | FINISHED FLOOR ELEVATION |
| RB | RETENTION BASIN |
| VR | VOLUME REQUIRED |
| VP | VOLUME REQUIRED |
| TOP | TOP OF RETENTION BASIN |
| BOT | BOTTOM OF RETENTION BASIN |
| HWE | HIGH WATER ELEVATION |
| SG | SUBGRADE ELEVATION |
| LP | LOW POINT |
| GB | GRADE BREAK |

## GENERAL NOTE

1. CONTRACTOR TO FOLLOW GEOTECHNICAL REPORT RECOMMENDATIONS FOR LIME TREATMENT REQUIREMENTS UNDER BUILDING PADS, PAVEMENT AND HARDSCAPE AREAS.
2. AREAS THAT ARE WITHIN FUTURE PHASE WILL BE MASS GRADES AT THIS TIME. THESE AREAS WILL NEED TO BE PROTECTED WITH SWPPP MEASURES TO ENSURE DUST CONTROL AND EROSION PROTECTION.

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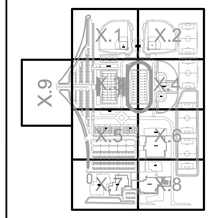


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QCUSD #3
MASS GRADING PLANS

RIGGS ROAD
QUEEN CREEK, AZ

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|---|---|
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INDEX MAP AND QUANTITIES

DWG. NO.

C1-1.3

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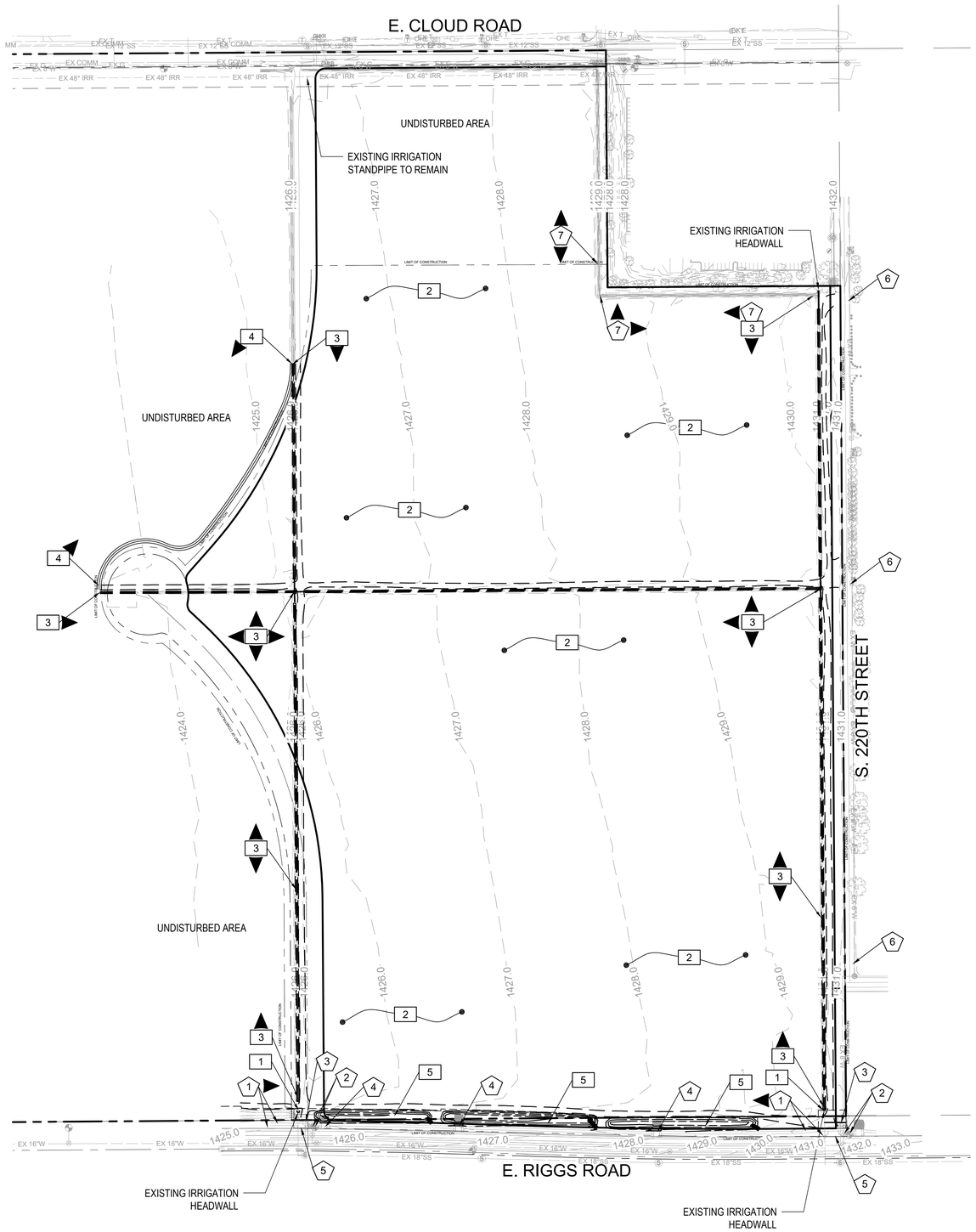
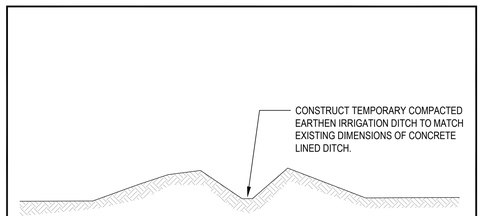



## PROTECT IN PLACE KEYNOTES:

1. PROTECT IN PLACE EXISTING CONCRETE SIDEWALK AND CURB IN RIGGS ROAD.
2. PROTECT IN PLACE EXISTING WATERLINE, ASSOCIATED VALVES AND FIRE HYDRANTS.
3. PROTECT IN PLACE EXISTING SANITARY SEWER MANHOLES.
4. PROTECT IN PLACE EXISTING SCUPPER IN RIGGS ROAD.
5. PROTECT EXISTING DRIVEWAY AND ASSOCIATED CONCRETE OFF RIGGS ROAD.
6. PROTECT IN PLACE EXISTING ASPHALT PAVEMENT ON 220TH PLACE.
7. PROTECT IN PLACE EXISTING IRRIGATION CHANNEL AND HEADWALL.

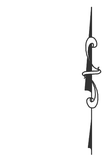
## DEMOLITION KEYNOTES:

1. DEMO EXISTING HEADWALL AND CAP IN PLACE EXISTING IRRIGATION PIPE.
2. REMOVE TOP 4" (MINIMUM) AND ANY ADDITIONAL DEPTH AS NECESSARY TO CLEAR EXCESSIVE ORGANICS OR OTHER UNSUITABLE MATERIAL FOR COMPACTED SUBGRADE. MATERIAL CUT BEYOND CLEAR AND GRUB DEPTH TO ESTABLISH NEW FINISHED GRADE IS TO BE EVALUATED FOR USE AS FILL.
3. REMOVE AND DISPOSE OF EXISTING CONCRETE IRRIGATION CHANNEL AND ASSOCIATED IRRIGATION CONNECTOR PIPES.
4. CONSTRUCT TEMPORARY IRRIGATION DITCH FROM POINT OF TERMINATION TO POINT OF TERMINATION. SEE DETAIL 1 THIS SHEET.
5. EXISTING RIGGS ROAD RETENTION BASINS TO BE REGRADED INTO NEW ONSITE RETENTION BASINS WITH MASS GRADING PLANS.




NOTES:
1. COMPACT SOIL IN DITCH TO 95% DENSITY.

1 TEMPORARY IRRIGATION CHANNEL
NTS



0 150 300 Feet
SCALE: 1"=150'

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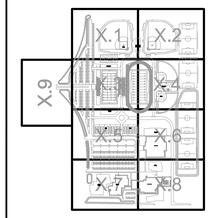


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DEMOLITION PLAN

DWG. NO.
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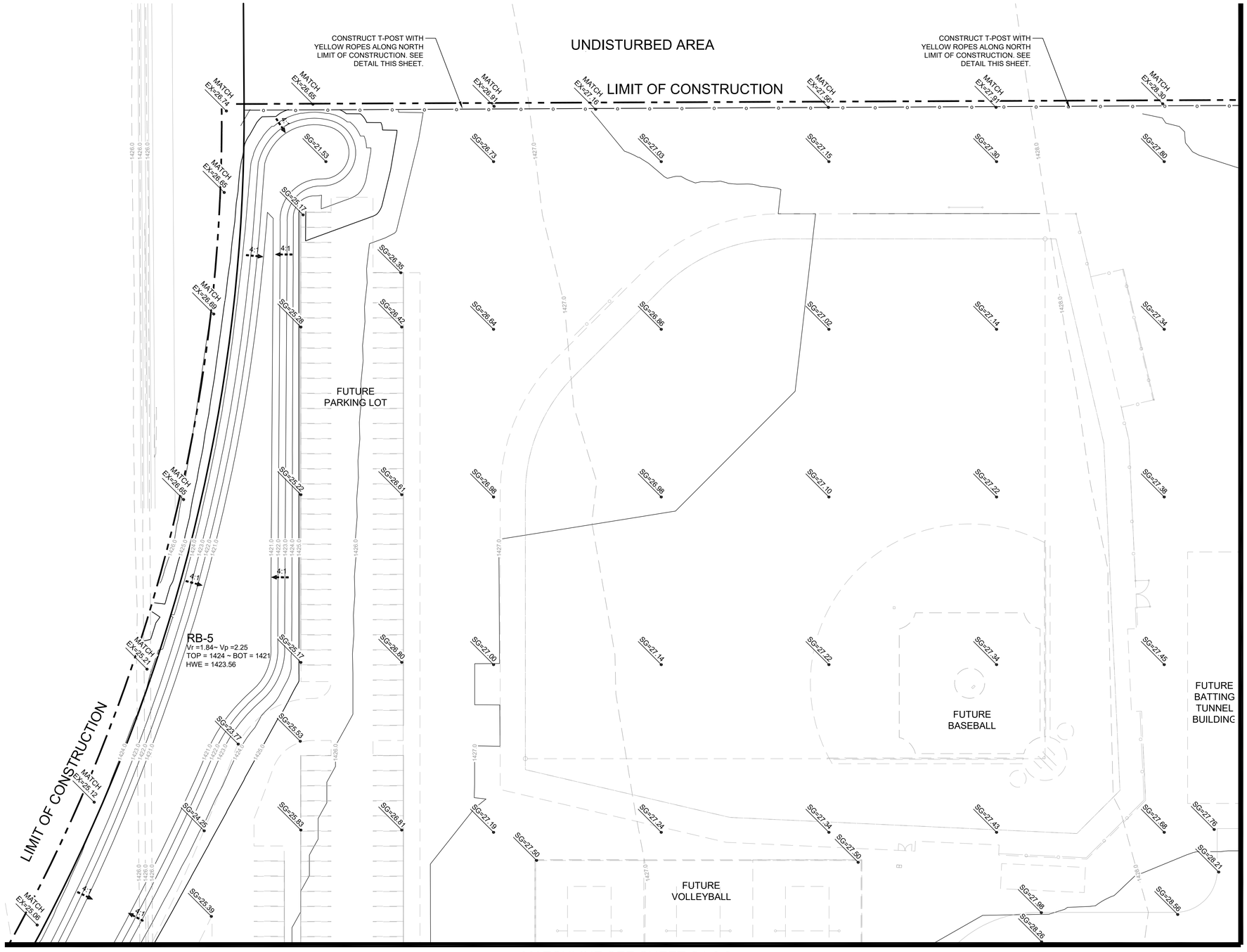


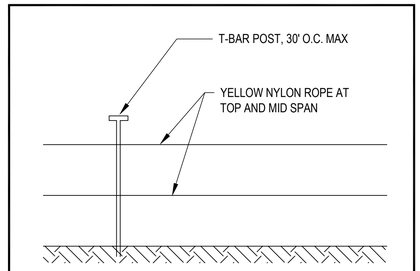


2 T-BAR FENCE POST - CONSTRUCTION FENCING
NTS

## GENERAL NOTE:

LIME TREATMENT PER GEOTECHNICAL RECOMMENDATION FOR ALL HARDSCAPE AREAS. CONTRACTOR TO FOLLOW RECOMMENDATION FROM THE GEOTECH REPORT

SCALE: 1" = 30'

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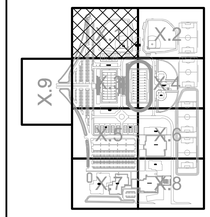


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MASS GRADING PLANS

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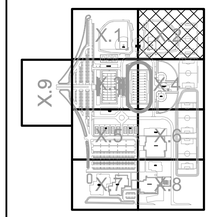


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## GENERAL NOTE:

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0 30 60 Feet

SCALE: 1" = 30'

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# QCUSD #3 MASS GRADING PLANS

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MASS GRADING PLANS

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C1-3.2

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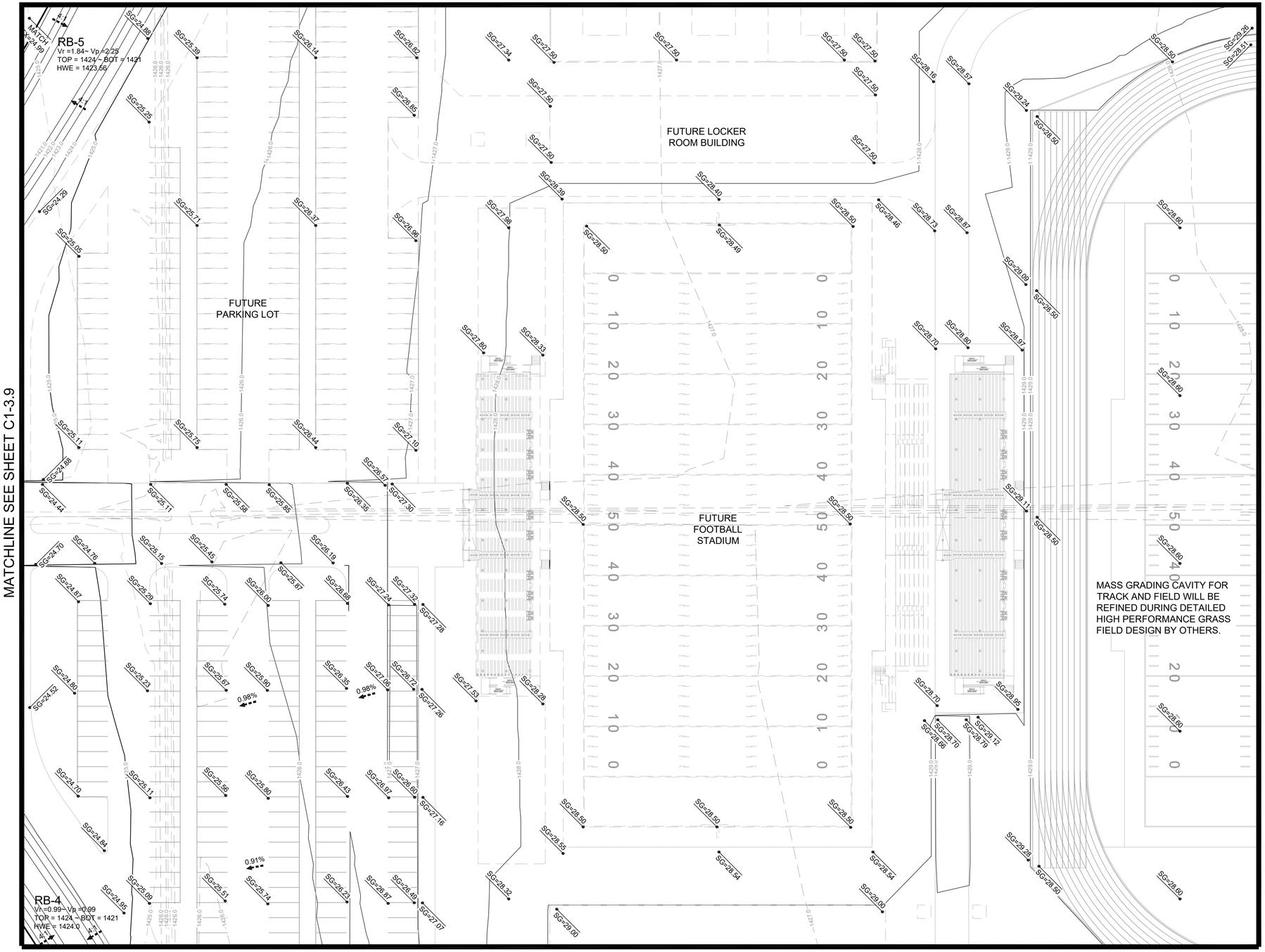
MATCHLINE SEE SHEET C1-3.1

MATCHLINE SEE SHEET C1-3.9

MATCHLINE SEE SHEET C1-3.4




MATCHLINE SEE SHEET C1-3.5

## GENERAL NOTE:

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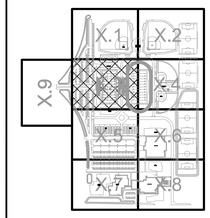


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MASS GRADING PLANS

DWG. NO.

C1-3.3

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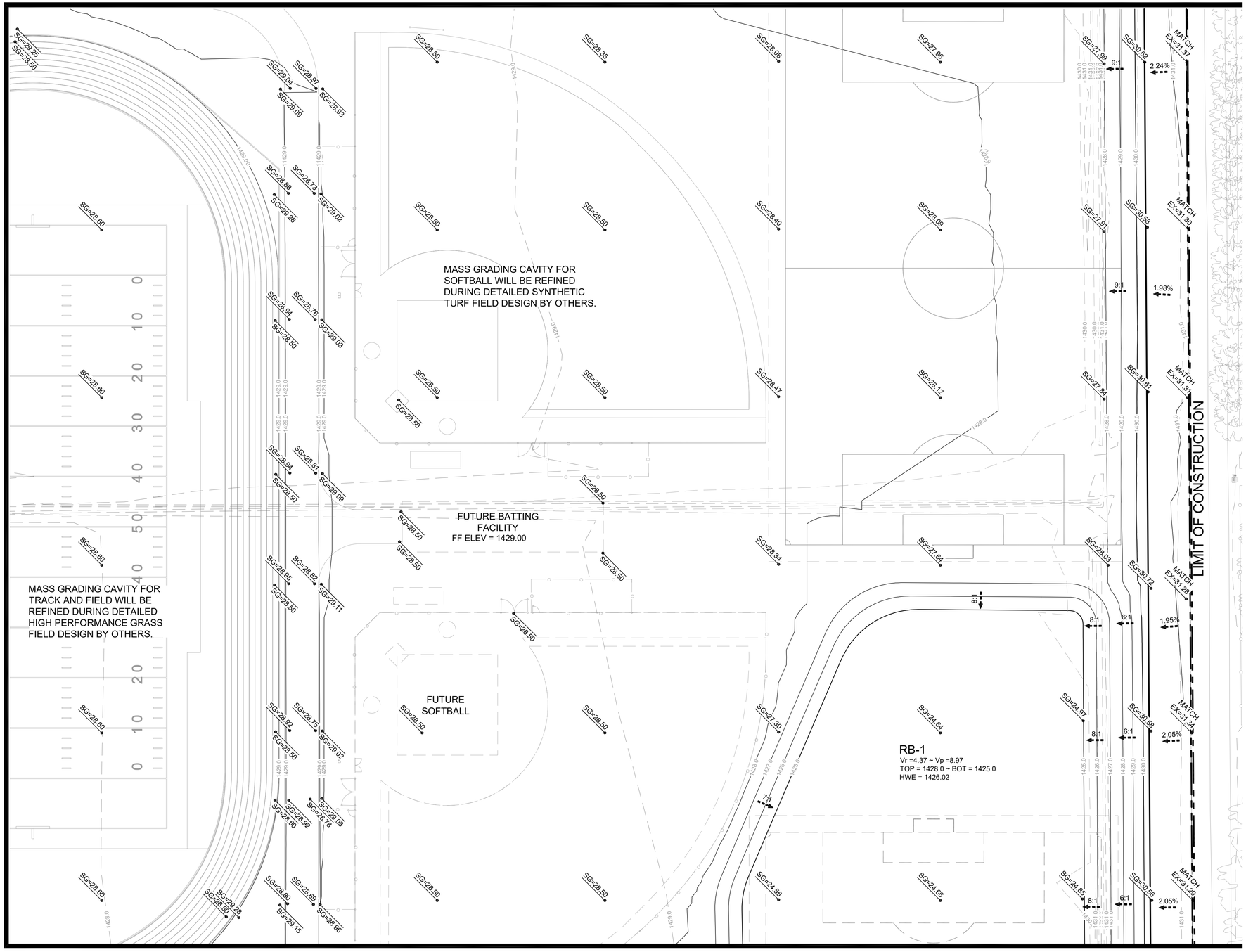
MATCHLINE SEE SHEET C1-3.2

MATCHLINE SEE SHEET C1-3.3




MATCHLINE SEE SHEET C1-3.6

## GENERAL NOTE:

LIME TREATMENT PER GEOTECHNICAL RECOMMENDATION FOR ALL HARDSCAPE AREAS. CONTRACTOR TO FOLLOW RECOMMENDATION FROM THE GEOTECH REPORT

0 30 60 Feet

SCALE: 1" = 30'

Contact Arizona 811 at least two full working days before you begin excavation

ARIZONA811

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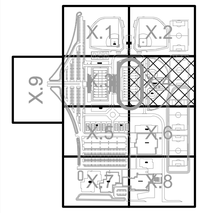
SUITE 515-324
SCOTTSDALE, ARIZONA 85258
PH 602.635.4226




CONSTRUCTION DOCUMENTS

Registered Professional Engineer (Civil) CERTIFICATE NO. 46775 JUSTIN L. PETERSON Date Signed 6/29/21 ARIZONA, U.S.A.

REV.

QCUSD #3
MASS GRADING PLANS

RIGGS ROAD
QUEEN CREEK, AZ

| | |
|---|---|
| DESIGNED: | JLP |
| DATE: | June 30, 2021 |
| DRAWN: | TML |
| PROJ. | 20-160 |
| SCALE: | 1" = 30' |

MASS GRADING PLANS

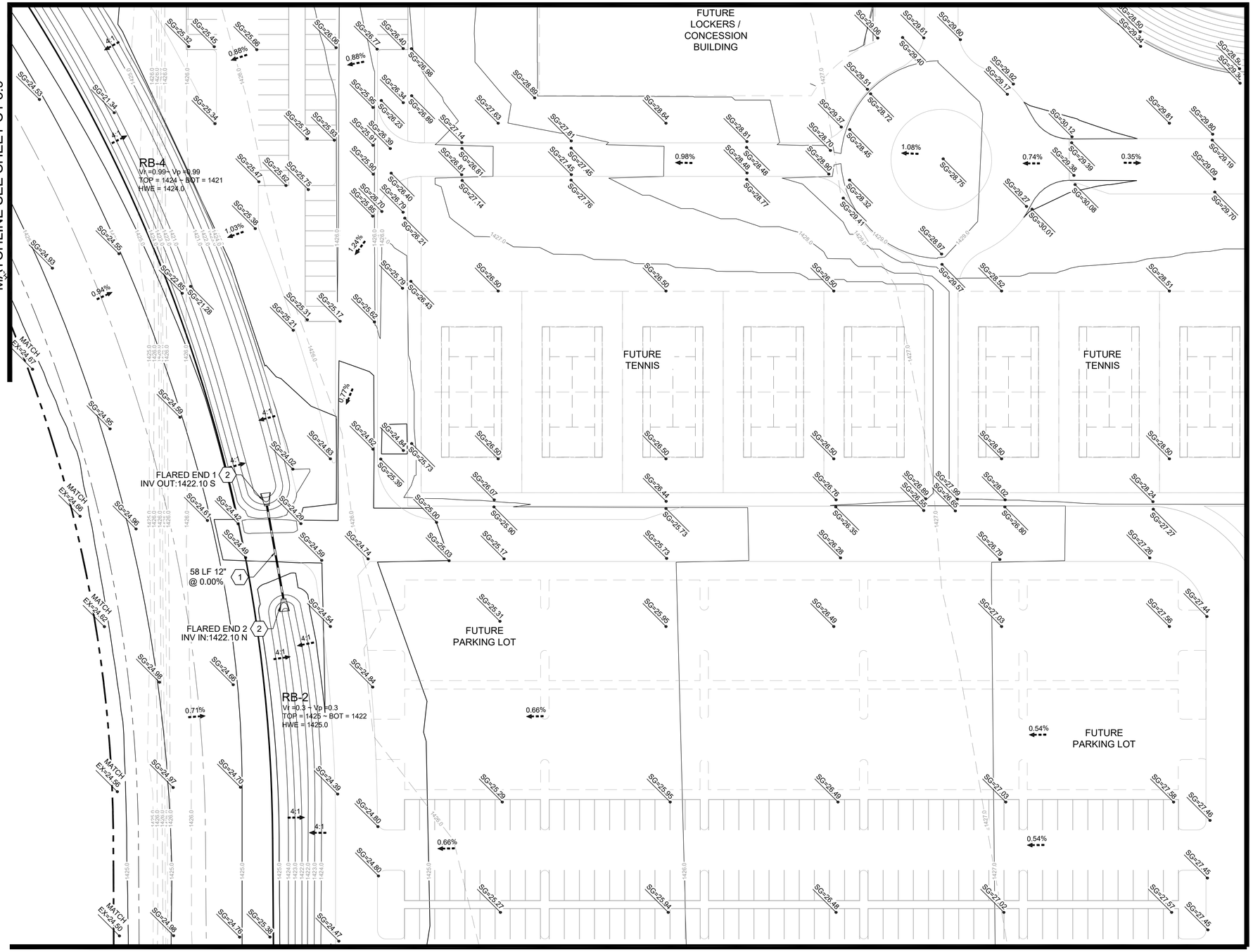
DWG. NO.

C1-3.4

MATCHLINE SEE SHEET C1-3.3

MATCHLINE SEE SHEET C1-3.9

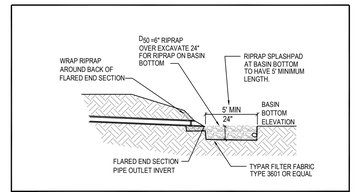
MATCHLINE SEE SHEET C1-3.6




MATCHLINE SEE SHEET C1-3.7

## DRAINAGE KEYNOTES

1. INSTALL NEW HDPE ADS N-12 STORM DRAIN PIPE PER MANUFACTURER'S SPECIFICATIONS, OR APPROVED EQUAL. SIZE AND SLOPE PER PLAN.
2. INSTALL NEW HDPE ADS N-12 FLARED END SECTION. SIZE AND INVERTS PER PLAN. RIPRAP SPLASHPAD AT BASIN BOTTOM PER DETAIL 03 ON SHEET C1-3.5.




3 RIPRAP SPLASHPAD AT FLARED END OUTLET
NTS

## GENERAL NOTE:

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0 30 60 Feet

SCALE: 1" = 30'

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Call 811 or click Arizona811.com

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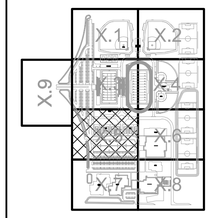


CONSTRUCTION DOCUMENTS

Registered Professional Engineer (Civil)
CERTIFICATE NO.
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JUSTIN L. PETERSON
Date Signed 6/30/21
ARIZONA, U.S.A.

REV

QCUSD #3
MASS GRADING PLANS

RIGGS ROAD
QUEEN CREEK, AZ

| | |
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| DESIGNED: | JLP |
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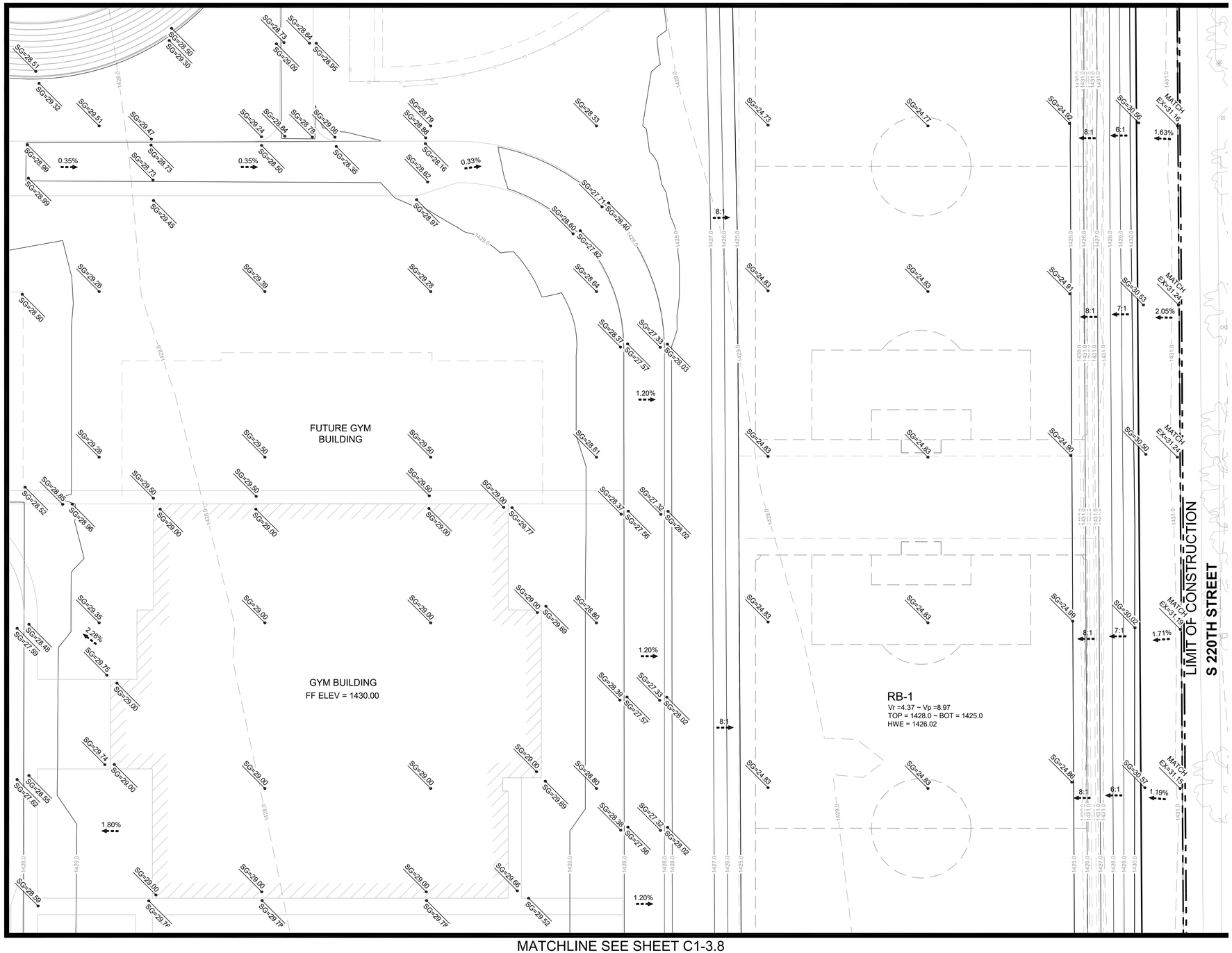
| DRAWN: | TML |
| PROJ. | 20-160 |
| SCALE: | 1" = 30' |

MASS GRADING PLANS

DWG. NO.

C1-3.5

MATCHLINE SEE SHEET C1-3.4

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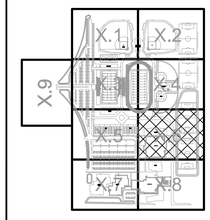


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MASS GRADING PLANS

DWG. NO.

C1-3.6


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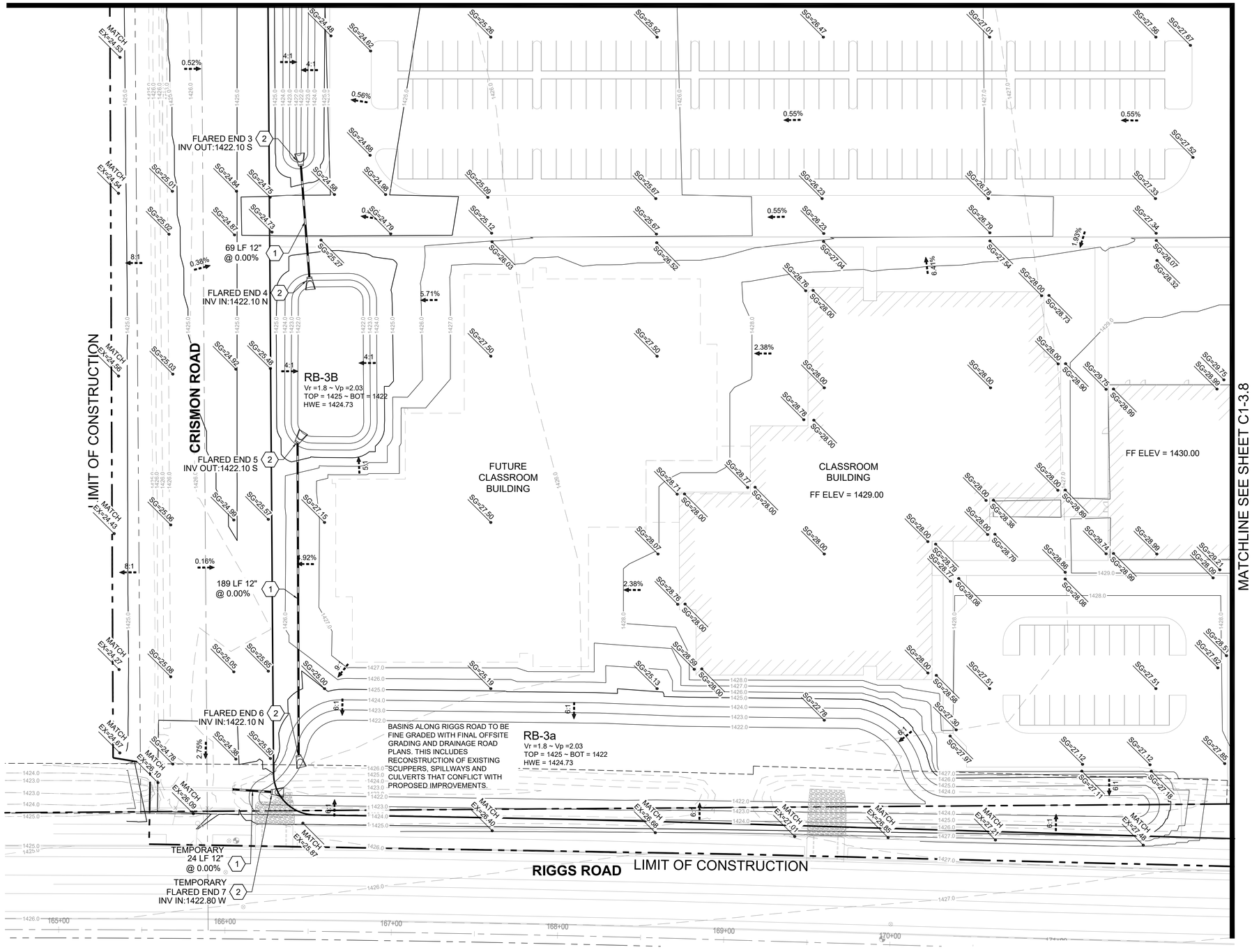
MATCHLINE SEE SHEET C1-3.5




MATCHLINE SEE SHEET C1-3.8

## DRAINAGE KEYNOTES

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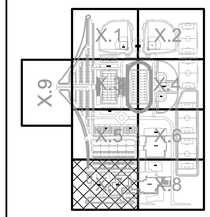


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QUEEN CREEK, AZ

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| PROJ. | 20-160 |
| SCALE: | 1" = 30' |

MASS GRADING PLANS

DWG. NO.

C1-3.7

Z:\Shared\Project\20-160 QCUSD HS #3\Construction Documents\20160 C1-3 Mass Grade Plans.dwg 6/29/2021 10:13 AM

IGF none

MATCHLINE SEE SHEET C1-3.6

MATCHLINE SEE SHEET C1-3.7

FUTURE BUILDING

ADMIN BUILDING
FF ELEV = 1430.00

FUTURE BUILDING

RB-1
Vr =4.37 ~ Vp =8.97
TOP = 1428.0 ~ BOT = 1425.0
HWE = 1426.02

RB-5
Vr =0.19 ~ Vp =0.28
TOP = 1427 ~ BOT = 1425
HWE = 1424.73

BASINS ALONG RIGGS ROAD TO BE FINE GRADED WITH FINAL OFFSITE GRADING AND DRAINAGE ROAD PLANS. THIS INCLUDES RECONSTRUCTION OF EXISTING SCUPPERS, SPILLWAYS AND CULVERTS THAT CONFLICT WITH PROPOSED IMPROVEMENTS.

LIMIT OF CONSTRUCTION

LIMIT OF CONSTRUCTION

RIGGS ROAD

## GENERAL NOTE:

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X.1 X.2 X.3 X.4 X.5 X.6 X.7 X.8 X.9

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QUEEN CREEK, AZ

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MASS GRADING PLANS

DWG. NO.

C1-3.8


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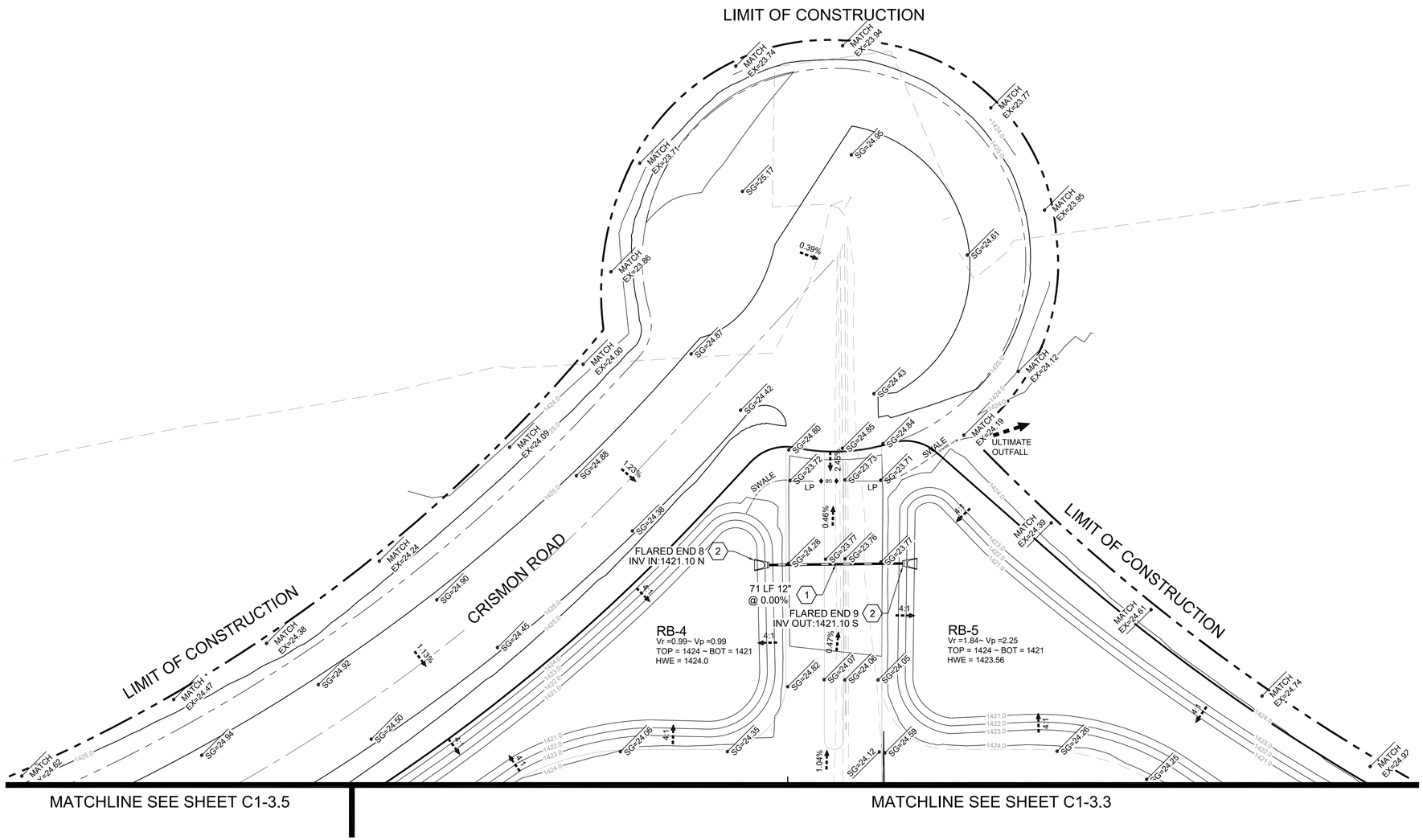
Z:\Shared\Project\20-160 QCUSD HS #3\Construction Documents\20160 C1-3 Mass Grade Plans.dwg 6/29/2021 10:13 AM

BEF: none




## DRAINAGE KEYNOTES

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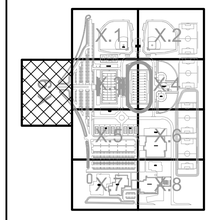


CONSTRUCTION DOCUMENTS

REV.

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QUEEN CREEK, AZ

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| PROJ. | 20-160 |
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MASS GRADING PLANS

DWG. NO.

C1-3.9

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# QCUSD HIGH SCHOOL #3
# UTILITY PLANS

A PORTION OF THE SOUTHEAST QUARTER OF SECTION 26, TOWNSHIP 2 SOUTH, RANGE 7 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA

RIGGS ROAD, QUEEN CREEK, ARIZONA

## QUEEN CREEK GENERAL NOTES

1. ALL IMPROVEMENTS SHALL CONFORM TO THE LATEST MAG STANDARDS AND SPECIFICATIONS OR THE LATEST STANDARDS AND SPECIFICATION ADOPTED BY THE TOWN.
2. THE TOWN PUBLIC WORKS DIRECTOR SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY CONSTRUCTION ON THE PROJECT SITE.
3. "ALL IMPROVEMENTS SHALL BE CONSTRUCTED WITH THE INSPECTION AND APPROVAL OF THE TOWN PUBLIC WORKS DEPARTMENT AND WILL REQUIRE A TOWN CONSTRUCTION PERMIT. CONSTRUCTION WILL NOT BEGIN UNTIL A PERMIT HAS BEEN ISSUED. IF THE WORK IS DISCONTINUED, IT SHALL NOT RESUME UNTIL AFTER NOTIFYING THE TOWN PUBLIC WORKS DIRECTOR.
4. UTILITIES MUST BE INSTALLED EITHER IN DEDICATED PUBLIC RIGHT-OF-WAYS OR IN PUBLIC UTILITY EASEMENTS DEDICATED BY THE LAND OWNER FOR SUCH USAGE AND MAINTENANCE. THE DEVELOPER/OWNER IS RESPONSIBLE FOR THE COORDINATION OF THE RELOCATION OF UTILITIES ON SITE.
5. ALL UNDERGROUND UTILITY INSTALLATION IN STREETS OR PUBLIC ACCESS WAYS SHALL BE CONSTRUCTED PRIOR TO SURFACING SUCH STREET OR PUBLIC ACCESS WAY.
6. THE DEVELOPER SHALL PROVIDE FOR AN ARIZONA REGISTERED ENGINEER TO BE PRESENT ON THE SITE FOR SUFFICIENT TIME TO ASSESS COMPLIANCE WITH THE PLANS AND SPECIFICATIONS FOR EACH ELEMENT OF CONSTRUCTION AND NO LESS THAN ONCE A DAY WHEN CONSTRUCTION IS IN PROGRESS.
7. THE TOWN PUBLIC WORKS DIRECTOR SHALL BE NOTIFIED UPON COMPLETION OF ALL UNDERGROUND UTILITIES WITHIN THE STREET RIGHT-OF-WAYS AND PRIOR TO ANY STREET PREPARATION WORK. INTERIM AS-BUILT PLANS OF THE UTILITIES AND ALL PASSING TEST RESULTS WILL BE SUBMITTED FOR REVIEW. UPON REVIEW AND APPROVAL OF THE SUPPLIED INFORMATION, THE DEVELOPER MAY PROCEED WITH THE INSTALLATION OF STREET IMPROVEMENTS.
8. THE DEVELOPER'S ENGINEER SHALL REQUEST THE TOWN PUBLIC WORKS DIRECTOR PERFORM INSPECTION OF THE SUB GRADE BASE PRIOR TO PLACEMENT OF THE OVERLAYING MATERIALS. IN ADDITION, THE TOWN PUBLIC WORKS DIRECTOR SHALL PERFORM PERIODIC INSPECTIONS THROUGHOUT THE COURSE OF CONSTRUCTION. THESE INSPECTIONS OR APPROVALS DO NOT SIGNIFY THAT THE TOWN HAS ACCEPTED ANY OF THE IMPROVEMENTS FOR MAINTENANCE.
9. THE DEVELOPER'S ENGINEER SHALL SUBMIT WEEKLY PROGRESS REPORTS TO THE TOWN PUBLIC WORKS DIRECTOR THROUGHOUT THE CONSTRUCTION. THE WEEKLY PROGRESS REPORTS WILL INCLUDE THE RESULTS OF ALL TESTS TAKEN DURING THE WEEK.
10. CONSTRUCTION MATERIALS TESTING SHALL BE PERFORMED AT THE DIRECTION OF THE TOWN PUBLIC WORKS DIRECTOR OR HIS REPRESENTATIVE AND AT THE EXPENSE OF THE OWNER/DEVELOPER.
11. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING INDIVIDUAL UTILITY COMPANIES FOR UTILITY LOCATION, OR FOR CALLING BLUE STAKE TO COORDINATE UTILITY LOCATION, AT LEAST 48 HOURS PRIOR TO EXCAVATION OF ALL UNDERGROUND UTILITIES.
12. THE ENGINEER CERTIFIES THAT HE HAS CONTACTED ALL APPLICABLE UTILITY COMPANIES AND HAS SHOWN ALL EXISTING AND/OR PROPOSED UTILITY LINES AND PERTINENT INFORMATION TO THESE PLANS, AND HAS PLOTTED CORRECTLY THE EXISTING AND PROPOSED UTILITY RIGHT-OF-WAY AND/OR EASEMENT LINES ON THE PLANS.

## GENERAL NOTES FOR GRADING CONSTRUCTION

A. THE DEVELOPER/CONTRACTOR IS RESPONSIBLE FOR PAYING PERMIT FEES PRIOR TO CONSTRUCTION.

B. A SEPARATE PERMIT IS NECESSARY FOR ANY CONSTRUCTION IN THE RIGHT-OF-WAY.

C. PRIOR TO THE START OF ANY ON-SITE GRADING OPERATIONS, THE CONTRACTOR SHALL NOTIFY THE TOWN ENGINEERING DIVISION AT LEAST 48 HOURS PRIOR TO COMMENCING WORK.

D. STAKING PAD AND/OR FINISHED FLOOR ELEVATIONS ARE THE RESPONSIBILITY OF THE DEVELOPER OR HIS ENGINEER. IN NON-CRITICAL AREAS, THE DEVELOPER'S ENGINEER SHALL SUBMIT CERTIFICATIONS OF CONSTRUCTED BUILDING PAD ELEVATIONS PRIOR TO THE TOWN'S ACCEPTANCE OF PROJECT. IN A CRITICAL DRAINAGE AREA, CERTIFICATION OF THE FINISHED BUILDING FLOOR OR STEM WALL ELEVATION SHALL BE SUBMITTED AND APPROVED PRIOR TO ANY VERTICAL CONSTRUCTION.

E. AN APPROVED GRADING AND DRAINAGE PLAN SHALL BE ON THE JOB SITE AT ALL TIMES. DEVIATIONS FROM THE PLAN MUST BE PRECEDED BY AN APPROVED PLAN REVISION.

F. ACCEPTANCE OF GRADING AND DRAINAGE IMPROVEMENTS SHALL INCLUDE, BUT NOT BE LIMITED TO, THE CONSTRUCTION OF RETENTION BASINS, CATCH BASINS, CURB FOR OTHER DRAINAGE FACILITIES, SITE GRADING, DRYWELLS, STORM DRAIN PIPES, UNDERGROUND STORAGE TANKS AND ASPHALT PAVEMENT.

G. DRYWELLS MUST BE DRILLED A MINIMUM OF 10 FEET INTO PERMEABLE POROUS STRATA.

H. THE CONTRACTOR SHALL CONSTRUCT ALL RETENTION BASINS TO THE ELEVATIONS AND SLOPES SHOWN ON THE PLANS

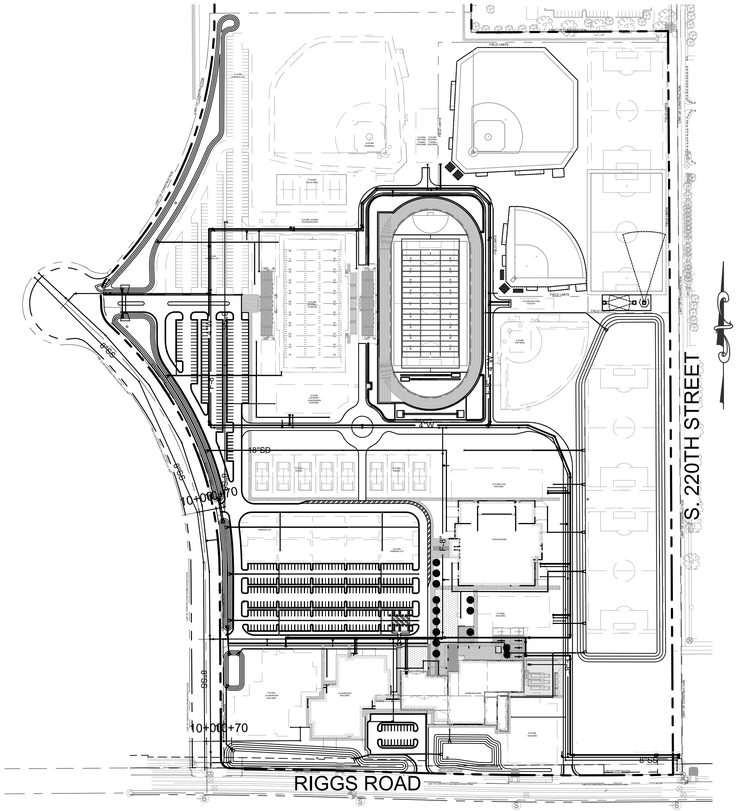
I. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND CONFIRMING DEPTH OF ALL THE EXISTING UTILITY LINES WITHIN PROPOSED RETENTION BASIN AREAS. IF THE BASIN CANNOT BE CONSTRUCTED PER PLAN AS A RESULT OF CONFLICT WITH UNDERGROUND UTILITIES, THE CONTRACTOR SHOULD CONTACT THE TOWN AND DESIGN ENGINEER AND REQUEST MODIFICATION OF THE BASIN DESIGN.

J. THIS SET OF PLANS HAS BEEN REVIEWED FOR COMPLIANCE WITH TOWN REQUIREMENTS PRIOR TO ISSUANCE OF CONSTRUCTION PERMITS AND SHALL BE KEPT AT THE CONSTRUCTION SITE. SUCH REVIEW SHALL NOT PREVENT THE TOWN FROM REQUIRING CORRECTIONS TO ERRORS ON THE PLANS, WHICH ARE FOUND TO BE IN VIOLATION OF ANY LAW OR ORDINANCE.

K. NO PERSON SHALL USE ANY MECHANICAL EQUIPMENT FOR CLEARING, GRUBBING, ROAD CONSTRUCTION, TRENCHING, EXCAVATING, DEMOLITION OR ENGAGE IN ANY EARTHMOVING ACTIVITY WITHOUT FIRST OBTAINING A DUST CONTROL PERMIT FROM MARICOPA COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES.

## COORDINATION LIST

| DESCRIPTION | REPRESENTATIVE | DATE | PHONE |
|---|---|---|---|
| CENTURY LINK | KEVIN WAGNER | | 815-245-9640 |
| COX COMMUNICATION | CHRISTOPHER PEREZ | | 623-328-3554 |
| CITY OF MESA GAS | SCOT SHERWOOD | | 480-644-2501 |
| SRP (ELECTRIC) | TONY ALVARADO | | 602-236-2373 |



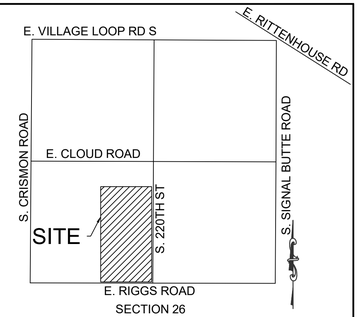

KEY MAP
SCALE: 1" = 200'

## SHEET INDEX


| | |
|---|---|
| C2-1.1 - C2-1.3 | COVER SHEET AND GENERAL NOTES |
| C2-1.4 | INDEX MAP / QUANTITIES |
| C2-2.2 - C2-2.9 | UTILITY PLANS |


## FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

| COMMUNITY NUMBER | PANEL# PANEL DATE | DATE OF FIRM (INDEX OF DATE) | FIRM ZONE | BASE FLOOD ELEVATION (IN AO ZONE, USE DEPTH) |
|---|---|---|---|---|
| 040132 | 3135 SUFFIX L | 10-16-13 | ZONE X | LESS THAN 1 FOOT |
| | October 16, 2013 | | | |




SECTION 26
T.2 S., R.7 E.

VICINITY MAP

## BENCHMARK

FOUND 3" MARICOPA COUNTY BRASS CAP STAMPED "S26 S27 34 S35 T2S R7E 2002 RLS 31601

NAVD88 ELEVATION = 1421.52

## BASIS OF BEARING

SOUTH 89°35'27" WEST ALONG THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SECTION 26 TOWNSHIP 2 SOUTH, RANGE 7 EAST G&SRM

## ENGINEER


JUSTIN PETERSON, PE
LLOYD SPORTS + ENGINEERING
7349 N VIA PASEO DEL SUR,
SUITE 515-324
SCOTTSDALE, AZ 85258
(602) 635-4226


## OWNER

JIM LAMB
QUEEN CREEK UNIFIED SCHOOL DISTRICT
20217 E CHANDLER HEIGHTS ROAD
QUEEN CREEK, AZ 85142
(480) 987-5935

## PROJECT AREA

THE GROSS AREA OF THE SUBJECT PARCEL IS APPROXIMATELY 79 ACRES.
AREA OF DISTURBANCE = 79 ACRES

PROJECT BOUNDARY TO BE REFINED WITH ANNEXATION.

## PROJECT DESCRIPTION

CONSTRUCTION OF THREE BUILDINGS, FOOTBALL STADIUM, TRACK AND FIELD, BASEBALL, SOFTBALL FIELDS WITH AMENITIES AND SOCCER FIELDS FOR THE QUEEN CREEK UNIFIED SCHOOL DISTRICT ON A FARM SITE OFF OF RIGGS ROAD. THE CIVIL SCOPE OF WORK WILL INCLUDE THE DEVELOPMENT OF PARKING LOTS, MASS GRADING, FIRE LINE LOOP, DOMESTIC WATER LINE, SEWER LINE, IRRIGATION LINES, OFFSITE ROADWAYS WIDENING, AND STRIPING. ALL SPORTS FIELD DESIGN TO BE BY OTHERS. FUTURE PHASE TO INCLUDE ADDITIONAL BUILDINGS, EXPANDED PARKING, ADDITIONAL SOFTBALL AND BASEBALL FIELDS , TENNIS AND VOLLEYBALL COURTS.

## AS-BUILT CERTIFICATION

I HEREBY CERTIFY THE "RECORD DRAWING" MEASUREMENTS AS SHOWN HEREON WERE MADE UNDER MY SUPERVISION OR AS NOTED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

ENGINEER REGISTRATION NUMBER

## APPROVALS

THE AUTHORIZED REPRESENTATIVES OF THE FOLLOWING AGENCIES HEREBY ACKNOWLEDGE OR HAVE ACKNOWLEDGED THEY HAVE REVIEWED AND APPROVED THE DESIGN SHOWN BY THESE DRAWINGS. CONSTRUCTION MAY BEGIN AFTER ALL APPROPRIATE PERMITS HAVE BEEN OBTAINED.

TOWN FIRE MARSHALL DATE

TOWN ENGINEER DATE

TOWN TRAFFIC DEPARTMENT DATE

TOWN UTILITY DEPARTMENT DATE

MARICOPA COUNTY ENVIRONMENTAL SERVICES DEPARTMENT DATE

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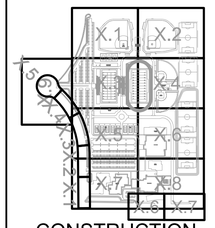


CONSTRUCTION DOCUMENTS

PRELIMINARY NOT FOR CONSTRUCTION

REV.

QCUSD #3
UTILITY PLANS

RIGGS ROAD
QUEEN CREEK, AZ

| | |
|---|---|
| DESIGNED: | JLP |
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COVER SHEET

DWG. NO.

C2-1.1


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## ENGINEERS NOTES:

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL STRUCTURES, UNDERGROUND PIPELINES, ELECTRICAL AND TELEPHONE CONDUITS, EITHER SHOWN OR NOT SHOWN ON THE PLANS PRIOR TO ANY CONSTRUCTION, AND TO OBSERVE ALL POSSIBLE PRECAUTIONS TO AVOID ANY DAMAGE TO THESE FACILITIES. THE ENGINEER AND/OR DEVELOPER WILL NOT GUARANTEE ANY ELEVATIONS OR LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ON THESE PLANS.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO UNCOVER ALL EXISTING WATER AND SEWER LINES BEING CONNECTED TO, AND O VERIFY THE LOCATIONS, DEPTH, FLOWLINE ELEVATIONS, AND SIZE OF PIPE, BEFORE ANY CONSTRUCTION BEGINS.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROVIDE STATIONING OR DISTANCE ON ALL NEW WATER LINES, VALVES, SERVICES, FIRE HYDRANTS, SEWER LINES, MANHOLES, CLEANOUTS, AND TAPS INSTALLED IN THE PROJECT, TO THE ENGINEER.
4. LLOYD CONSULTING GROUP IS NOT RESPONSIBLE FOR CONSTRUCTION STAKING. THE OWNER AND/OR THE CONTRACTOR SHALL ARRANGE FOR CONSTRUCTION STAKING.
5. ANY CONSTRUCTION PERFORMED WITHOUT THE KNOWLEDGE OF THE TOWN INSPECTOR OR HIS REPRESENTATIVE IS LIABLE FOR REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
6. COMPACTION, BEDDING, AND BACKFILL SHALL BE PER M.A.G. UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
7. ALL WORK AND MATERIALS WHICH DO NOT CONFORM TO THE SPECIFICATIONS ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTORS EXPENSE.
8. ANY QUESTIONS RAISED RELATIVE TO THE ACCURACY OF IMPROVEMENT INSTALLATION SHALL BE RAISED PRIOR TO THE COMMENCEMENT OF THE WORK IN QUESTION.
9. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR AND EQUIPMENT TO CONSTRUCT/INSTALL THE IMPROVEMENT SHOWN ON THESE PLANS UNLESS SPECIFICALLY NOTED OTHERWISE.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING "AS-BUILT" DRAWINGS TO THE MUNICIPALITY HAVING JURISDICTION IF REQUIRED.
11. DIMENSIONS SHOWN ON THESE PLANS ARE FOR REFERENCE ONLY. DO NOT SCALE THESE PLANS.
12. THE INVERT ELEVATIONS SHOWN ON THESE PLANS HAVE BEEN DESIGNED TO PROVIDE AT LEAST FOUR (4) FEET OF COVER OVER THE TOP OF THE PIPE (EXCLUDING THE PAVEMENT THICKNESS). THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE NEWLY INSTALLED PIPES FROM DAMAGE CAUSED BY CONSTRUCTION ACTIVITY ON THE SITE PRIOR TO THE FINAL PAVEMENT SECTION BEING INSTALLED.
13. ALL VALVE BOXES, METER BOXES, MANHOLE RIMS, SEWER CLEANOUT RIMS, ETC., SHALL BE ADJUSTED TO FINAL FINISHED GRADE PER M.A.G. STANDARD DETAIL 270 AND M.A.G. STANDARD DETAIL 391-1 PRIOR TO ACCEPTANCE OF THE WORK BY OWNER.
14. TRAFFIC REGULATIONS: ALL WORK MUST COMPLY WITH REQUIREMENTS OF CURRENT "TRAFFIC BARRICADE MANUAL".
15. THE CONTRACTOR IS RESPONSIBLE FOR ALL METHODS, SEQUENCING, AND SAFETY USED DURING CONSTRUCTION UNLESS SPECIFICALLY ADDRESSED OTHERWISE IN THESE PLANS OR ELSEWHERE IN THE CONTRACT DOCUMENTS.
16. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND COMPLYING WITH ALL PERMITS REQUIRED TO COMPLETE ALL WORK COVERED BY THESE PLANS.
17. THE CONTRACTOR SHALL CALL FOR BLUE STAKE (811) TWO DAYS PRIOR TO ANY EXCAVATION.
18. THE CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION OF CONSTRUCTION AFFECTING UTILITIES AND THE COORDINATION OF ANY NECESSARY UTILITY RELOCATION WORK.
19. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BE AWARE OF THE CONTENTS OF THESE PLANS.
20. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL CONSTRUCTION PER PLANS. ANY ADDITIONS, DELETIONS OR CHANGES SHALL FIRST MEET WITH THE APPROVAL OF THE ENGINEER.
21. QUANTITIES SHOWN HEREON ARE FOR THE PURPOSE OF TOWN APPROVAL. EACH BIDDER/CONTRACTOR SHALL INDEPENDENTLY DETERMINE QUANTITIES FOR HIS/HER OWN PURPOSE.

## GENERAL DRAINAGE NOTES:

1. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES, AND SERVICES BEFORE COMMENCING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES, AND SERVICES SHOWN IN THE CONTRACT DOCUMENTS SHALL BE DEEMED TO BE APPROXIMATIONS ONLY. ALL DISCREPANCIES BETWEEN WHAT IS SHOWN AND THE ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE DISTRICT REPRESENTATIVE. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (811) PRIOR TO ANY DEMOLITION OR EXCAVATION. UPON COMPLETION OF USA MARKING OPERATIONS, CONTRACTOR SHALL RECORD ALL UTILITY MARKINGS ON A SEPARATE SET OF DRAWINGS. THIS SET SHALL BE KEPT ON-SITE FOR REFERENCE FOR DURATION OF CONTRACT.
2. ALL EXISTING DRAINAGE STRUCTURES, BOXES, UTILITY VAULTS, ETC. TO REMAIN, SHALL BE BROUGHT TO FINAL FINISH GRADE PRIOR TO FINAL SURFACE TREATMENT.
3. THE CONTRACTOR IS TO PROTECT DRAINAGE SYSTEM FROM DEBRIS, INCLUDING SOIL, ROCK MATERIAL, AND TRASH FROM ENTERING THE PIPE DURING CONSTRUCTION. CONTRACTOR SHALL AVOID PLACING CONSTRUCTION VEHICLES OVER INSTALLED DRAINAGE TRENCHES TO PREVENT CRUSHING OF PIPE.
4. COORDINATE ALL SLEEVING AND UTILITY LOCATIONS AS SHOWN ON THE PLANS AND DETAILS CONTAINED WITHIN THESES CONTRACT DOCUMENTS.
5. THE CONTRACTOR IS TO ENSURE THAT ALL REMAINING ACTIVE AND NEW DRAINAGE AND UTILITY LINES ARE PROTECTED AND UNDAMAGED FROM TRENCHING AND FOOTING EXCAVATIONS FOR NEW FOOTINGS, PARTICULARLY FOR NEW FENCING AND WALLS.
6. ALL ABANDONED STORM LINES SHALL REMAIN IN PLACE UNLESS IN CONFLICT WITH PROPOSED DRAINAGE, UTILITY, OR SUBGRADING OPERATIONS, IN WHICH CASE ABANDONED PIPE IN CONFLICT SHALL BE REMOVED. REMAINING ABANDONED STORM PIPE SHALL BE SEALED WITH APPROPRIATELY SIZED CONCRETE CAP (3 SACK MIX) 6" ENVELOPE OUTSIDE AND INSIDE DIAMETER OF PIPE.
7. PRIOR TO ALL DRAINAGE AND UTILITY WORK, CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL POTENTIAL DRAINAGE CONNECTIONS AND EXISTING UTILITY BY POTHOLING. IN ADDITION, ALL DOWNSTREAM CONNECTIONS TO EXISTING STRUCTURES SHALL BE THE START OF THESE OPERATIONS, AND GRADES SHALL BE VERIFIED. CONTRACTOR SHALL FLUSH AND RUN CAMERAS THROUGH EXISTING DRAINAGE SYSTEM WITHIN LIMIT OF WORK TO VERIFY SYSTEM'S INTEGRITY.
8. LENGTHS OF DRAIN LINES BETWEEN PROPOSED AND EXISTING ELEMENTS AND INVERT ELEVATIONS OF PROPOSED DRAINAGE STRUCTURES ON EXISTING DRAIN LINES ARE APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD.

## DEMOLITION NOTES:

1. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID SUBMITTAL IN ORDER TO DETERMINE THE EXTENT AND CONDITIONS OF SITE DEMOLITION AND TO FIELD VERIFY SITE CONDITIONS. THE CONTRACTOR SHALL NOTIFY THE OWNER OF ANY DISCREPANCIES PRIOR TO BID.
2. THE CONTRACTOR SHALL PERFORM ALL CLEARING, DEMOLITION AND REMOVAL SITE PREPARATIONS NECESSARY FOR THE EXECUTION OF THE WORK CONTAINED IN THE CONTRACT DOCUMENTS.
3. EXISTING STORM DRAIN FACILITIES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED FROM CONSTRUCTION DEBRIS INTRUSION. THE CONTRACTOR SHALL FLUSH AND CLEAN EXISTING DRAINAGE SYSTEMS THAT ARE TO BE PROTECTED IN PLACE, WITHIN THE PROJECT LIMITS, TO THE POINT OF DISCHARGE.
4. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES, STRUCTURES, AND SERVICES BEFORE COMMENCING WORK. CONTRACTOR IS RESPONSIBLE FOR POT-HOLING AND UTILITY SURVEYS AS NECESSARY TO LOCATE EXISTING UTILITIES.
5. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BMP's AND PROTECTIONS TO DRAINS AND DRAINAGE SYSTEMS AS REQUIRED BY THE PROJECT SWPPP DOCUMENTS AND ADEQ PRIOR TO COMMENCING DEMOLITION.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY EXISTING ITEM DAMAGED OR DESTROYED BY CONSTRUCTION NOT IDENTIFIED FOR DEMOLITION OR REMOVAL. REPLACEMENT OR REPAIRS SHALL BE AT THE CONTRACTOR'S EXPENSE AND ITEM RESTORED TO EQUAL OR BETTER CONDITION.
7. THE CONTRACTOR SHALL PROVIDED NECESSARY MEASURES TO CONTROL DUST AND AIRBORNE SEDIMENT PER THE SWPPP DOCUMENTS AND AS REQUIRED BY THE STATE.
8. REFER TO AS-BUILT DRAWINGS AND GEOTECHNICAL REPORT FOR DEPTH OF EXISTING PAVING AND BASES.
9. CONTRACTOR MUST REMOVE AND DISPOSE OF ALL WEEDS, LOOSE MATERIALS.
10. THE CONTRACTOR SHALL OBTAIN ANY REQUIRED PERMITS PRIOR TO DEMOLITION.
11. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING IRRIGATION SERVICE TO EXISTING LANDSCAPE MATERIAL TO REMAIN AND TO ADJACENT FIELDS BOTH DURING AND AFTER CONSTRUCTION.
12. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING DEMOLITION.
13. CONTRACTOR SHALL NOTIFY USA 811 PRIOR TO ANY DEMOLITION OR EXCAVATION.
14. CONTRACTOR SHALL PROVIDE CONSTRUCTION FENCING PLAN SUBMITTAL FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
15. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES NOT SPECIFICALLY CALLED OUT FOR REMOVAL UNTIL WHICH TIME HE HAS DETERMINED THAT A DIRECT CONFLICT EXISTS WITH THE CONSTRUCTION OF ANY NEW FACILITIES. THE CONTRACTOR SHALL THEN BE RESPONSIBLE TO REMOVE OR RELOCATE ANY SUCH UTILITIES.
16. CONTRACTOR TO POTHOLE ALL UTILITIES PRIOR TO CONSTRUCTION.
17. CONTRACTOR SHALL FOLLOW ALL APPLICABLE LOCAL AND GOVERNMENTAL LAWS REGARDING THE DEMOLITION, REMOVAL, TRANSPORTATION, AND DISPOSAL OF ASBESTOS CEMENT PIPE. CONTRACTOR SHALL DEVELOP AND ADHERE TO A JOB SITE SAFETY PLAN FOR THIS PORTION OF WORK IN ORDER TO MINIMIZE EXPOSURE AND ENSURE THE HEALTH AND SAFETY OF ALL PERSONAL IN THE AREA.
18. THE CONTRACTOR IS TO VERIFY THAT ALL EXISTING IMPROVEMENTS ARE SHOWN.
19. THE EXISTING TOPOGRAPHIC INFORMATION AND UNDERGROUND UTILITIES SHOWN ON THESE PLANS WERE COMPILED FROM THE BEST AVAILABLE DATA INCLUDING GROUND SURVEYS AND AS-BUILT PLANS. THE ENGINEER MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT DEPTH, SIZE, AND LOCATION OF ALL UTILITIES PRIOR TO COMMENCEMENT OF WORK.
21. THE CONTRACTOR SHALL VERIFY CRITICAL ELEVATIONS USING THE BENCHMARK PROVIDED BY THE SURVEYOR PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE SURVEYOR'S AND ENGINEER'S ATTENTION.
22. PROTECT ALL EXISTING UNDERGROUND STORM DRAINS, WATER LINES, ELECTRICAL LINES, AND OTHER UTILITIES THAT ARE NOT SPECIFICALLY CALLED OUT FOR REMOVAL.

## QUEEN CREEK GRADING & DRAINAGE NOTES:

1. A GRADING PERMIT SHALL BE REQUIRED.
2. CONTRACTOR SHALL PROVIDE GRADING FOR POSITIVE DRAINAGE IN ALL RETENTION BASINS AT ELEVATIONS AS SHOWN ON THE PLANS. BOTTOM OF BASIN SHALL BE GRADED TO DRAIN TOWARD DRYWELLS (WHEN USED). MAXIMUM SIDE SLOPES SHALL BE 6:1
   - DRYWELLS INLET GRATE SHALL BE AT FINISH GRADE AT BOTTOM OF THE RETENTION BASIN.
   - DRILLING LOGS FOR DRYWELLS WILL BE FURNISHED TO THE TOWN INSPECTOR PRIOR TO FINAL ACCEPTANCE.
   - A PERCOLATION TEST WILL BE REQUIRED OF COMPLETED DRYWELLS PRIOR TO ACCEPTANCE. SHOULD EXISTING SOIL CONDITIONS BE ENCOUNTERED WHICH LACK SUFFICIENT PERCOLATION RATES, ADDITIONAL DRYWELLS OR AN ALTERNATIVE METHOD OF STORM WATER RUN-OFF DISPOSAL WILL BE REQUIRED.
   - DRYWELL CONSTRUCTION SHALL BE DONE ONLY BY CONTRACTORS LICENSED BY THE ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY.
   - ALL DRYWELLS ARE REQUIRED TO BE REGISTERED WITH THE ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY.
   - THE APPROVED DRYWELL REGISTRATION SHALL BE SUMITTED TO THE TOWN BY THE DEVELOPER OR HIS ENGINEER AT THE TIME AS-BUILTS ARE SUBMITTED.
   - A PRIVATE MAINTENANCE PLAN SHALL BE PREPARED THAT PROVIDES FOR ROUTINE
   - INSPECTION AND MAINTENANCE TO THE APPROVAL OF THE TOWN ENGINEERING MANAGER.
3. CERTIFICATION OF FINISH FLOORS OR BUILDING PADS IS THE RESPONSIBILITY OF THE DEVELOPER/ BUILDER, ENGINEERS, OR OWNER AND SHALL BE SUBMITTED PRIOR TO PLACING CONCRETE FLOORS.
4. AN APPROVED GRADING AND DRAINAGE PLAN SHALL BE ON THE JOB SITE AT ALL TIMES. DEVIATIONS FROM THE PLAN MUST BE PRECEDED BY A TOWN OF QUEEN CREEK APPROVED PLAN REVISION.
5. ALL DRAINAGE PROTECTIVE DEVICES SUCH AS SWALES, PIPES, OR OTHER MEASURES DESIGNED TO PROTECT BUILDINGS OR PROPERTY FROM STORM RUNOFF MUST BE COMPLETED PRIOR TO ANY STRUCTURE BEING BUILT.
6. PREPARATION OF GROUND: THE AREA OVER WHICH FILLS ARE TO BE MADE SHALL BE CLEARED OF ALL TRASH, TREES, STUMPS, DEBRIS OR OTHER MATERIAL NOT SUITABLE AS A FOUNDATION FOR FILL.
7. LOCATION OF ALL UTILITIES SHOWN ON THIS PLAN ARE BASED ON INFORMATION SUPPLIED TO THE ENGINEER BY THE APPROPRIATE UTILITY COMPANIES, NO GUARANTEE ON LOCATIONS OR ACCURACY IS IMPLIED OR GIVEN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT BLUE STAKE (602)263-1100 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.
8. DISTURBED AREAS SHALL BE (RE)VEGETATED WITH TOWN APPROVED DESERT PLANTS OR DROUGHT RESISTANT PLANS. EXISTING VEGETATION SHALL BE RELOCATED IF DISTURBED BY CONSTRUCTION.
9. SWALES SHALL BE LINED WITH 6" MINIMUM DIAMETER ROCK SIZE AND THE DEPTH SHALL MATCH THE APPROVED SWALE DETAIL.
10. CONTRACTOR/BUILDER SHALL NOTIFY THE ENGINEER OF ANY VARIANCES BETWEEN THESE PLANS NOTIFY THE ENGINEER OF ANY VARIANCES BETWEEN THESE PLANS AND ONSITE CONDITIONS.
11. ALL DRAINAGE SWALES SHALL BE FREE OF TRASH, DELETERIOUS MATERIAL, SILT, VEGETATION, AND DEBRIS. MAINTENANCE SHALL BE BY THE HOMEOWNERS ASSOCIATION.
12. DROPS IN GRADE OF 30" OR MORE IN OR ADJACENT TO TRAILS, SIDEWALKS ETC. SHALL BE PROTECTED BY SAFETY RAIL THAT IS OSHA COMPLIANT.
13. CONTRACTOR SHALL VERIFY PROPERTY LINE LOCATIONS PRIOR TO PROCEEDING WITH WORK.
14. FINISHED GRADE SHALL SLOPE AWAY FROM RESIDENCE AT 5% FOR A MINIMUM DISTANCE OF 5' TO AN APPROVED WATER DISPOSAL AREA.
15. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CURRENT MAG SPECIFICATIONS AND/OR TOWN OF QUEEN CREEK STANDARD DETAILS .
16. CONTRACTORS SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO STARTING CONSTRUCTION.
17. CONTRACTOR SHALL UNCOVER ALL UTILITIES BEING TIED INTO TO VERIFY THEIR LOCATION PRIOR TO STARTING NEW LINES.
18. CONTRACTOR SHALL ADHERE TO THE REQUIREMENTS OF THE APPROVED PROJECT SOIL INVESTIGATION REPORT.

## QUEEN CREEK PAVING NOTES:

1. THE BASE COURSE WILL NOT BE PLACED ON SUBGRADE UNTIL BASE REQUIREMENTS HAVE BEEN COMPLETED AND ACCEPTED BY THE ENGINEERING MANAGER AND/OR HIS REPRESENTATION
2. BLUE REFLECTIVE SPOTTERS SHALL BE INSTALLED ON THE STREET PAVEMENT AT FIRE HYDRANT LOCATION IN ACCORDANCE WITH MAG STANDARDS.
3. STREET NAME SIGNS WILL BE INSTALLED AT THE DEVELOPERS' EXPENSE.
4. ALL WORK UNDER THE ENCROACHMENT PERMITS SHALL BE DONE IN ACCORDANCE WITH LATEST REVISIONS OF THE MARICOPA ASSOCIATION OF GOVERNMENTS UNIFORM STANDARD SPECIFICATION AND DETAILS (MAG SPECIFICATION AND DETAILS), TOWN OF QUEEN CREEK SUPPLEMENT TO THE MAG SPECIFICATION AND DETAILS, AND MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
5. A RIGHT-OF-WAY ENCROACHMENT PERMIT ISSUED BY THE TOWN ENGINEERING DIVISION SHALL BE REQUIRED FOR ALL WORK IN THE TOWN OF QUEEN CREEK RIGHT-OF-WAYS.
6. THE PUBLIC WORKS DEPARTMENT (480-358-3003) SHALL BE NOTIFIED 24 HOURS PRIOR TO STARTING THE DIFFERENT PHASES OF CONSTRUCTION FOR SCHEDULING INSPECTIONS.
7. ACCEPTANCE OF THE COMPLETED RIGHT-OF-WAY IMPROVEMENTS WILL NOT BE GIVEN UNTIL 4 MIL MYLAR REPRODUCIBLE AS-BUILTS AND CD IN PDF FORMAT HAVE BEEN SUBMITTED TO AND APPOVED BY THE TOWN'S ENGINEERING DIVISION.
8. LOCATION OF ALL WATER VALVES, MANHOLES AND CLEANOUTS MUST BE REFERENCED AT ALL TIMES DURING CONSTRUCTION AND ACCESS MADE AVAILABLE TO THE PRIVATE WATER COMPANYS AND THE TOWN PUBLIC WORK DEPARTMENT.
9. NO PAVING CONSTRUCTION SHALL BE STARTED UNTIL ALL UNDERGROUND UTILITIES WITHIN THE ROADWAY PRISM AND ON-SITE ARE COMPLETED.
10. STAKING SHALL INCLUDE:
    A. RIGHT-OF-WAY LINES AT 100'
    B. PRE-GRADE AND REFERENCE CONTROL –AS NECESSARY
    C. CULVERT, STORM DRAIN AND DITCH INVERTS AT 50' INTERVALS AND BREAKS IN GRADE
    D. BLUETOP SUBGRADE AT CENTERLINE AND UNCURBED EDGE OF PAVEMENT AT 50' INTERVALS
    E. BLUETOP ABC AT CENTERLINE, UNCURBED EDGE OF PAVEMENT AND 1/4 POINTS AT 50' INTERVALS.
    F. STRADDLE POINTS FOR PERMANENT MONUMENTS. PUNCH THE MONUMENT CAP AFTER SETTING.
    G. STRUCTURE LOCATION AND GRADES.
    H. CONCRETE CURB AND GUTTER AT 50' INTERVALS MAXIMUM. ON HORIZONTAL OR VERTICAL CURVES, AND ON GRADES LESS THAN 05%, STAKE AT 25' MAXIMUM INTERVALS. STAKE ALL CURB RETURNS AT THE P.C. AND THE 1/4 POINTS OF RETURN.
11. GUTTERS SHALL BE WATER TESTED IN THE PRESENCE OF THE PUBLIC WORKS DEPARTMENT TO INSURE PROPER DRAINAGE PRIOR TO THE FINAL APPROVAL BY THE TOWN ENGINEERING DIVISION AND PUBLIC WORKS DEPARTMENT.
12. EXACT POINT OF MATCHING, TERMINATION AND OVERLAY, IF NECESSARY, MAY BE DETERMINED IN THE FIELD BY THE TOWN ENGINEERING DIVISION AND/OR THE PUBLIC WORKS DEPARTMENT.
13. NO JOB WILL BE CONSIDERED COMPLETE UNTIL ALL CURBS, PAVEMENT AND SIDE WALKS HAVE BEEN SWEPT CLEAN OF ALL DIRT AND DEBRIS AND ALL SURVEY
14. MONUMENTS ARE INSTALLED ACCORDING TO THE PLANS.
15. THE TOWN WILL NOT PARTICIPATE IN THE COST OF CONSTRUCTION OR UTILITY RELOCATION UNLESS OTHERWISE SPECIFIED ON THESE PLANS.
16. THE CONTRACTOR SHALL UNCOVER ALL EXISTING LINES BEING TIED INTO TO VERIFY THEIR LOCATIONS. THE CONTRACTOR SHALL LOCATE OR HAVE LOCATED ALL EXISTING UNDERGROUND PIPELINES, TELEPHONE AND ELECTRICAL CONDUITS, AND STRUCTURES IN ADVANCE OF CONTRUCTION AND WILL OBSERVE ALL POSSIBLE PRE CAUTIONS TO AVOID DAMAGE TO SAME. CALL BLUE STAKE AT 1-800-STAKE-IT.
17. FACILITIES WHICH ARE NOT SPECIFICALLY LOCATED WITH ACTUAL VERTICAL AND HORIZONTAL CONTROLS, ARE LOCATED ONLY APPROXIMATELY AND TO THE BEST AVAILABLE KNOWLEDGE.
18. CONSTRUCTION LIMITS– ADEQUATELY STAKE, FENCE, AND SIGN THE CONSTRUCTION LIMITS. THE CONSTRUCTION LIMITS SHALL REMAIN MARKED THROUGHOUT THE CONSTRUCTION PERIOD.
19. EARTHWORK SHALL BE PERFORMED ACCORDING TO THE GEOTECHNICAL REPORT DONE BY RAMM DATED AUGUST 26, 2020. ALL COMPACTION UNDER PAVEMENT AREAS SHALL BE PREFORMED ACCORDING TO MAG SPECIFICATIONS AND/OR THE SOILS REPORT RECOMMENDATIONS.
20. PRIOR TO CONSTRUCTION: A TRAFFIC CONTROL PLAN FOR WORK WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE PROVIDED TO THE TOWN PUBLIC WORKS DEPARTMENT FOR REVIEW AND APPROVAL. PAD COMPACTION CERTIFICATION SHALL BE SUBMITTED TO THE PUBLIC WORKS DESIGNATED INSPECTOR PRIOR TO ANY BUILDING CONSTRUCTION. SCHEDULE ALL PRE-CONSTRUCTION MEETINGS THROUGH THE TOWN PUBLIC WORKS DESIGNATED INSPECTOR.
21. AN APPROVED (SIGNED-OFF) GRADING, DRAINAGE AND PAVING PLAN SHALL BE ON THE JOB SITE AT ALL TIMES. DEVIATIONS FROM THE PLANS MUST BE PRECEDED BY AN APPROVED PLAN REVISION, OR SUBJECT TO "WORK STOP ORDER" BY THE TOWN PUBLIC WORKS DEPARTMENT INSPECTOR TO REMOVE ANY WORK THAT DOES NOT REFLECT THE APPROVED IMPROVEMENT PLANS.

Contact Arizona 811 at least two full working days before you begin excavation
ARIZONA811
Call 811 or click Arizona811.com

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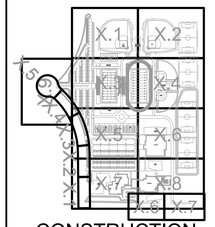
LLOYD SPORTS + ENGINEERING
7349 N. VIA PASEO DEL SUR
SUITE 515-324
SCOTTSDALE, ARIZONA 85258
PH 602.635.4226




CONSTRUCTION DOCUMENTS

PRELIMINARY NOT FOR CONSTRUCTION

| REV. |
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QCUSD #3
UTILITY PLANS

RIGGS ROAD
QUEEN CREEK, AZ

| | |
|---|---|
| DESIGNED: | JLP |
| DATE: | JUNE 30, 2021 |
| DRAWN: | TML |
| PROJ. | 20-160 |
| SCALE: | |

GENERAL NOTES

DWG. NO.

C2-1.2

# QUEEN CREEK SWPPP NOTES:

1. A COPY OF THE APPROVED GRADING AND DRAINAGE PLAN FOR THIS PROJECT, TOGETHER WITH A COPY OF THE NOTICE OF INTENT (NOI) AND THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE MAINTAINED ON THE SITE AND AVAILABLE FOR REVIEW. THOSE ELEMENTS OF THE GRADING AND DRAINAGE PLAN PERTINENT TO OR REFERENCED ON THE SWPPP SHALL BE CONSIDERED PART OF THE SWPPP.
2. THE CONTRACTOR SHALL NOTIFY THE TOWN OF QUEEN CREEK PUBLIC WORKS DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF ANY INSPECTIONS.
3. THE OPERATOR SHALL OBTAIN A DUST CONTROL PERMIT FROM THE COUNTY AND PERFORM MEASURES AS REQUIRED BY THE PERMIT TO PREVENT EXCESS DUST.
4. THE OPERATOR SHALL PERFORM, AT A MINIMUM, A VISUAL INSPECTION OF THE CONSTRUCTION SITE ONCE EVERY MONTH AND WITHIN 24 HOURS OF RAINFALL GREATER THAN OR EQUAL TO ONE HALF INCH OR MORE. THE OPERATOR SHALL PREPARE A REPORT DOCUMENTING HIS/HER FINDINGS ON THE CONDITIONS OF THE SWPPP CONTROLS AND NOTE ANY EROSION PROBLEM AREAS. THE OPERATORS REPORT IS TO BE SUBMITTED TO THE PUBLIC WORKS DEPARTMENT FOR REVIEW AND APPROVAL. FACILITIES SHALL BE MAINTAINED AS NECESSARY TO ENSURE THERE CONTINUED FUNCTIONING. IN ADDITION, ALL TEMPORARY SILTATION CONTROLS SHALL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED, AND THE POTENTIAL FOR EROSION HAS PASSED.
5. THE OPERATOR SHALL AMEND THIS PLAN AS NECESSARY DURING THE COARSE OR CONSTRUCTION TO RESOLVE ANY PROBLEM AREAS THAT BECOME EVIDENT DURING THE CONSTRUCTION AND/OR DURING RAINFALLS.
6. THE PERMITTEE SHALL FILE A NOTICE OF TERMINATION (NOT) AFTER COMPLETION OF CONSTRUCTION AND PLACEMENT OF FINAL LANDSCAPE MATERIALS. THE NOT IS TO BE SUBMITTED TO THE PUBLIC WORKS DEPARTMENT TO FINAL THE SWPPP PERMIT.
7. THE PERMITTEE SHALL SAVE ALL RECORDS, INCLUDING THE NOI, SWPPP, NOT, AND THE INSPECTION REPORTS, ON FILE FOR A MINIMUM OF THREE YEARS FROM THE DATE OF FILING THE NOT.
8. THE IMPLEMENTATION OF THESE PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE FACILITIES IS THE RESPONSIBILITY OF THE PERMITTEE/CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED AND THE NOT IS SUBMITTED TO THE PUBLIC WORKS DEPARTMENT.
9. THE FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES IN SUCH A MANNER AS TO INSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS, AND MUST BE INSTALLED AND IN OPERATION PRIOR TO ANY GRADING OR LAND CLEARING. WHEREVER POSSIBLE, MAINTAIN NATURAL VEGETATION FOR SILT CONTROL.
10. THE CONTRACTOR'S NOI MUST BE RECEIVED PRIOR TO THE SWPPP PERMIT BEING ISSUED. THE CONTRACTOR THAT WILL BE PULLING THE G&D PERMIT MUST HAVE THE SWPPP PERMIT IN THEIR NAME.

# QUEEN CREEK PAVEMENT MARKING NOTES:

1. THE CONTRACTOR SHALL COORDINATE WITH THE TOWN TRAFFIC ENGINEERING DIVISION AT 480-358-3132 FOR AN INSPECTION PRIOR TO THE APPLICATION OF ANY PAINT.
2. AFTER MEETING WITH THE TOWN TRAFFIC ENGINEER, THE CONTRACTOR SHALL SPOT MARK THE ENTIRE PROJECT AND HAVE THE LAYOUT APPROVED BY THE TOWN TRAFFIC ENGINEER PRIOR TO THE APPLICATION OF ANY PAINT. ONCE ALL PAVEMENT MARKINGS HAVE BEEN INSTALLED, THE CONTRACTOR SHALL NOTIFY THE TOWN TRAFFIC ENGINEER FOR A FINAL INSPECTION. AT COMPLETION OF THE FINAL INSPECTION, THE CONTRACTOR SHALL SUPPLY ALL REQUIRED WARRANTY DOCUMENTS TO THE TOWN TRAFFIC ENGINEER PRIOR TO FINAL JOB ACCEPTANCE.
3. THE TOWN TRAFFIC ENGINEER MAY REQUIRE THE CONTRACTOR TO ADJUST PAVEMENT MARKING LOCATIONS, OFF-SETS AND TYPES OF MARKINGS PRIOR TO INSTALLATION.
4. ANY PAVEMENT MARKINGS APPLIED PRIOR TO INSPECTION AND APPROVAL BY THE TOWN TRAFFIC ENGINEERING DIVISION SHALL BE OBLITERATED, SEALED AND RESTRIPED AT THE CONTRACTOR'S EXPENSE.
5. ALL CONFLICTING PAVEMENT MARKINGS SHALL BE OBLITERATED BY MEANS OF WATER BLASTING TO BE COMPLETED BY THE CONTRACTOR.
6. A SEALANT APPROVED BY THE TOWN SHALL BE APPLIED BY THE CONTRACTOR TO ALL AREAS OF PAVEMENT MARKING OBLITERATION.
7. ALL PAVEMENT MARKING MATERIALS AND INSTALLATION SHALL CONFORM TO TOWN REQUIREMENTS, THE ARIZONA DEPARTMENT OF TRANSPORTATION STANDARD DRAWINGS AND SPECIFICATIONS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (LATEST ADOT APPROVED EDITION), AND DIRECTION FROM THE TOWN TRAFFIC ENGINEER AT TIME OF INSTALLATION.
8. PAVEMENT MARKINGS SHALL REQUIRE TWO (2) SEPARATE APPLICATIONS. THE INITIAL APPLICATION SHALL BE ENTIRELY IN PAINT TO INCLUDE ALL LANE LINES, HOLDING BARS, CROSS WALKS, AND STOP BARS. ALL LEGENDS SHALL BE APPLIED WITH AN APPROVED TAPE PRODUCT AT THIS TIME. RAISED PAVEMENT MARKERS (RPM'S) SHALL BE INSTALLED WITH THE INITIAL PAINT INSTALLATION. THE CONTRACTOR SHALL RETURN 30-45 DAYS FOLLOWING THE INITIAL PAINT INSTALLATION AND RESTRIPE THE ENTIRE PROJECT IN THERMOPLASTIC OR AS DIRECTED BY THE TOWN TRAFFIC ENGINEER.
9. ALL PERMANENT PAVEMENT MARKING MATERIALS ON MAJOR ARTERIALS SHALL BE EXTRUDED THERMOPLASTIC. ALL OTHER ROADWAYS SHALL REQUIRE SPRAY THERMOPLASTIC FOR PERMANENT PAVEMENT MARKINGS, UNLESS OTHERWISE SPECIFIED BY THE TOWN TRAFFIC ENGINEER.
10. ALL PAVEMENT MARKING SYMBOLS AND LEGENDS SHALL BE 3M SERIES 380 TAPE OR APPROVED EQUIVALENT. THE TOWN TRAFFIC ENGINEER HAS THE RIGHT TO MODIFY THE PAVEMENT MARKING MATERIAL TO 3M SERIES 270 TAPE OR AN APPROVED EQUIVALENT.
11. ALL RAISED PAVEMENT MARKERS SHALL BE INSTALLED WITH CRAFCO PAVEMENT REFLECTOR ADHESIVE, OR AN APPROVED EQUIVALENT.
12. ALL MEDIAN ENDS SHALL BE PAINTED PER MARICOPA COUNTY DEPARTMENT OF TRANSPORTATION STANDARD DETAILS 4-15 AND 4-16.

# QUEEN CREEK SIGNAGE NOTES:

1. THE TOWN TRAFFIC ENGINEER SHALL BE NOTIFIED AT (480) 358-3132 AT LEAST FIVE BUSINESS DAYS PRIOR TO BEGINNING ANY SIGNING WORK ASSOCIATED WITH THESE PLANS.
2. THE TOWN TRAFFIC ENGINEER MAY REQUIRE THE CONTRACTOR TO ADJUST SIGNING LOCATIONS, OFFSETS AND TYPES OF SIGNS AT THE TIME OF INSTALLATION.
3. ALL SIGNING MATERIALS AND INSTALLATION SHALL CONFORM TO TOWN REQUIREMENTS, THE ARIZONA DEPARTMENT OF TRANSPORTATION STANDARD DRAWINGS AND SPECIFICATIONS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (LATEST ADOT APPROVED EDITION) AND DIRECTION FROM THE TOWN TRAFFIC ENGINEER AT TIME OF INSTALLATION.
4. THE CONTRACTOR SHALL COORDINATE WITH THE TOWN TRAFFIC ENGINEERING DIVISION PRIOR TO ORDERING ANY MATERIALS TO OBTAIN THE LATEST SIGNING REQUIREMENTS AND SPECIFICATIONS.
5. THE CONTRACTOR SHALL NOTIFY THE TRAFFIC ENGINEERING DIVISION AT (480) 358-3132 UPON COMPLETION OF ALL SIGNING WORK TO SCHEDULE A FINAL INSPECTION. THE CONTRACTOR SHALL SUPPLY ALL REQUIRED WARRANTY DOCUMENTS TO THE TOWN TRAFFIC ENGINEERING DIVISION PRIOR TO FINAL JOB ACCEPTANCE.
6. ALL EXISTING SIGNS TEMPORARILY REMOVED BY THE CONTRACTOR SHALL BE SALVAGED FOR REINSTALLATION BY THE CONTRACTOR. ALL SIGNS PERMANENTLY REMOVED BY THE CONTRACTOR SHALL BE SALVAGED AND RETURNED TO THE TOWN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MAINTAINING EACH SIGN THAT IS REMOVED, ENSURING THAT THE SIGNS INTEGRITY IS MAINTAINED. IN THE EVENT THE SIGN IS DAMAGED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS REPLACEMENT.
7. ALL SIGNS AND SIGN POSTS SHALL BE INSTALLED PER ADOT STANDARD DRAWING S-3.
8. FINAL ACCEPTANCE OF ALL SIGNING SHALL BE PROVIDED BY THE TRAFFIC ENGINEERING DIVISION.

**REQUIREMENTS FOR SIGN DESIGN**

1. ALL SIGNS SHALL BE FACED ON NEW .080 ALUMINIUM BLANKS.
2. SHEETING SHALL BE ASTM TYPE XI FOR ALL PERMANENT REGULATORY, WARNING, GUIDE, INFORMATION, AND OBJECT MARKER SIGNS (INCLUDING SIGN LEGENDS AND BORDERS).
3. ALL WARNING SIGNS (YELLOW SERIES) SHALL BE MANUFACTURED WITH ASTM TYPE XI 3M FLUORESCENT YELLOW 4081 DIAMOND GRADE REFLECTIVE SHEETING OR APPROVED EQUAL.
4. ALL SCHOOL SIGNS SHALL BE MANUFACTURED WITH ASTM TYPE XI 3M FLUORESCENT YELLOW GREEN 4083 DIAMOND GRADE REFLECTIVE SHEETING OR APPROVED EQUAL.
5. SHEETING SHALL BE MANUFACTURED BY 3M CORPORATION OR AN APPROVED EQUAL WITH EQUAL OR GREATER WARRANTY PERIODS. ALL SIGNS SHALL BE MANUFACTURED USING MATCHING COMPONENTS APPROVED BY THE SHEETING MANUFACTURER.

**STREET NAME SIGNS**

1. ALL REFLECTIVE SHEETING MATERIALS SHALL BE PRESSURE SENSITIVE ASTM TYPE XI 3M WHITE 4090 DIAMOND GRADE REFLECTIVE SHEETING OR APPROVED EQUAL.
2. ALL TRANSPARENT ACRYLIC, PRESSURE SENSITIVE FILM SHALL BE 3M SERIES 1177 GREEN ELECTRO CUT FILM (OR 3M SERIES 1175 BLUE ELECTRO CUT FILM) OR APPROVED EQUAL.
3. SIGNS SHALL BE MANUFACTURED BY APPLYING WHITE SHEETING TO THE ENTIRE ALUMINUM BLANK, THEN A GREEN (OR BLUE AS REQUIRED) TRANSLUCENT PRESSURE SENSITIVE FILM CONTAINING THE CUT OUT STREET NAME. THIS METHOD RESULTS IN A WHITE LEGEND ON A GREEN (OR BLUE) BACKGROUND.
4. LETTERING SHALL BE HIGHWAY GOTHIC SERIES C FONT (UPPER/LOWER CASE).
5. 8" LETTER HEIGHTS SHALL BE USED FOR ALL INTERSECTIONS ALONG AN ARTERIAL STREET WITH 45 MPH OR HIGHER - THESE SIGNS SHALL USE A 16" HIGH BLADE AND SHALL NOT EXCEED 42" IN WIDTH WITHOUT PRIOR APPROVAL FROM THE TOWN TRAFFIC ENGINEER.
6. 6" LETTER HEIGHTS SHALL BE USED FOR ALL INTERSECTIONS ALONG AN ARTERIAL OR COLLECTOR STREET WITH 30 MPH TO 40 MPH - THESE SIGNS SHALL USE A 12" HIGH BLADE AND SHALL NOT EXCEED 42" IN WIDTH WITHOUT PRIOR APPROVAL FROM THE TOWN TRAFFIC ENGINEER.
7. 4" LETTER HEIGHTS SHALL BE USED FOR ALL INTERSECTIONS ALONG RESIDENTIAL STREETS WITH 25 MPH OR LESS - THESE SIGNS SHALL USE AN 8" HIGH BLADE AND SHALL NOT EXCEED 42" IN WIDTH WITHOUT PRIOR APPROVAL FROM THE TOWN TRAFFIC ENGINEER.

**STREET NAME SIGNS - NO OUTLET/DEAD END**

1. ALL REFLECTIVE SHEETING MATERIALS SHALL BE PRESSURE SENSITIVE ASTM TYPE XI SERIES 4090 WHITE AND SERIES 4091 YELLOW DIAMOND GRADE REFLECTIVE SHEETING OR APPROVED EQUAL.
2. ALL ACRYLIC, PRESSURE SENSITIVE FILM SHALL BE 3M SERIES 1177 GREEN ELECTRO CUT FILM (OR 3M SERIES 1175 BLUE ELECTRO CUT FILM) AND 3M 1178 BLACK EC FILM OR APPROVED EQUAL.
3. THESE SIGNS ARE CONSTRUCTED BY APPLYING WHITE SHEETING TO THE UPPER HALF OF THE SIGN BLANK AND YELLOW SHEETING TO THE LOWER HALF OF THE SIGN BLANK. ON TOP OF THE WHITE SHEETING, A GREEN (OR BLUE) TRANSLUCENT PRESSURE SENSITIVE FILM CONTAINING THE CUT OUT STREET NAME IS APPLIED. ON TOP OF THE YELLOW SHEETING, THE BLACK "DEAD END" OR "NO OUTLET" AND BLACK ARROW ARE APPLIED.
4. LETTERING FOR THE STREET NAME SHALL BE HIGHWAY SERIES C FONT (UPPER/LOWER CASE) EITHER 4", 6", OR 8" LETTERING HEIGHT DEPENDING UPON THE LOCATION.
5. LETTERING FOR THE "DEAD END" OR "NO OUTLET" SHALL BE HIGHWAY GOTHIC SERIES C FONT.
6. SIGN HEIGHTS SHALL BE 16" OR 24" AND SHALL NOT EXCEED 42" IN WIDTH WITHOUT PRIOR APPROVAL FROM THE TOWN TRAFFIC ENGINEER.

**NOTE:**

THE CONTRACTOR MAY BE REQUIRED TO SUBMIT SIGNING PROOFS TO THE TOWN TRAFFIC ENGINEER FOR APPROVAL PRIOR TO MANUFACTURING.

**WARRANTY DOCUMENTS**

THE MANUFACTURER OF THE SIGNING SHALL PROVIDE WARRANTY DOCUMENTS COVERING MATERIALS AND MANUFACTURING DEFECTS UP TO 10 YEARS. THESE DOCUMENTS SHALL BE ADDRESSED TO THE TOWN OF QUEEN CREEK AND SHALL PROVIDE THE NAME OF THE SHEETING MANUFACTURER, TYPE OF SHEETING (BRAND AND TYPE), TYPE OF OVERLAY FILM (BRAND, TYPE), NAME AND CONTACT INFORMATION OF THE COMPANY RESPONSIBLE PARTY MANUFACTURING THE SIGNS THAT SHALL BE RESPONSIBLE FOR ANY WARRANTY CLAIMS.

# QUEEN CREEK WATER NOTES:

1. ALL WORK, TESTING & MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE TOWN OF QUEEN CREEK DESIGN & CONSTRUCTION STANDARDS MANUAL. ALL WORK & MATERIALS NOT IN CONFORMANCE WITH STANDARDS & DETAILS ARE SUBJECT TO REMOVAL & REPLACEMENT AT THE CONTRACTOR'S EXPENSE. THE TOWN OF QUEEN CREEK WATER DEPARTMENT REPRESENTATIVE SHALL HAVE FINAL AUTHORITY ON ALL IMPROVEMENTS REGARDLESS OF THE PLANS AND/OR SPECIFICATIONS.
2. THIS SET OF PLANS HAS BEEN REVIEWED FOR COMPLIANCE WITH DEPARTMENT REQUIREMENTS PRIOR TO ISSUANCE OF CONSTRUCTION PERMITS. HOWEVER, SUCH REVIEW SHALL NOT PREVENT THE DEPARTMENT FROM REQUIRING CORRECTION OF ERRORS IN PLANS FOUND TO BE IN VIOLATION OF ANY LAW OR ORDINANCE.
3. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO BEGINNING CONSTRUCTION.
4. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING PERMITS & RENEWAL OF LAPSED PERMITS.
5. THE WATER DEPARTMENT APPROVAL IS VALID FOR A PERIOD OF ONE YEAR. CONSTRUCTION PERMITS SHALL BE OBTAINED DURING THIS PERIOD OR THE PLANS SHALL BE RESUBMITTED FOR REVIEW & APPROVAL.
6. AN APPROVED SET OF PLANS SHALL BE AVAILABLE ON THE JOB SITE AT ALL TIMES.
7. DEVELOPER IS RESPONSIBLE FOR OBTAIN ING ALL PERMANENT & TEMPORARY EASEMENTS PRIOR TO BEGINNING CONSTRUCTION .
8. PRIVATE ON-SITE WATER LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST REVISION OF THE UNIFORM PLUMBING CODE AND THE LATEST REVISION OF THE UNIFORM FIRE CODE.
9. ENGINEER CERTIFIES THAT HE HAS CONTACTED ALL INTERESTED UTILITY COMPANIES & HAS TRANSFERRED ALL EXISTING AND/OR PROPOSED UTILITY LINES & RELATED INFORMATION ONTO THESE PLANS.
10. THE ENGINEER [CONTRACTOR] SHALL CERTIFY THAT ALL WATER IMPROVEMENTS HAVE BEEN INSTALLED AT THE LOCATIONS & ELEVATIONS SHOWN ON THE APPROVED PLANS.
11. THE ENGINEER [CONTRACTOR] SHALL CERTIFY THAT THE MINIMUM HORIZONTAL & VERTICAL SEPARATION BETWEEN UTILITIES HAS BEEN MAINTAINED AS REQUIRED BY LAW OR POLICY.
12. THE CONTRACTOR SHALL ARRANGE TO PROVIDE ALL CONSTRUCTION STAKING REQUIRED FOR THE PROJECT.
13. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE RELOCATION OF ALL UTILITIES, POWER POLES, IRRIGATION DRY-UPS, REMOVALS BY OTHERS, ETC.
14. ALL FRAMES, COVERS, VALVE BOXES, MANHOLES, ETC. SHALL BE INSTALLED TO FINISH GRADE OR SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO PLACING OF ASPHALT SURFACE COURSE BY THE CONTRACTOR AS PER MAG STANDARD DETAIL 270 & 422.
15. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UTILITIES PRIOR TO EXCAVATION & AVOID DAMAGE TO SAME. CALL 602-263-1100 FOR BLUE STAKE TWO WORKING DAYS PRIOR TO DIGGING.
16. CONTRACTOR WILL EXPOSE ALL TIE-IN POINTS TO VERIFY LOCATION PRIOR TO BEGINNING SUBSTANTIAL CONSTRUCTION ACTIVITIES.
17. THE TOWN OF QUEEN CREEK WATER DEPARTMENT IS NOT LIABLE FOR DELAYS NOR DAMAGES TO UTILITIES RELATED TO THIS CONSTRUCTION; NEITHER WILL THE WATER DEPARTMENT PARTICIPATE IN THE COST OF UTILITY RECONSTRUCTION OR RELOCATION.
18. THE CONTRACTOR IS RESPONSIBLE FOR MAKING ARRANGEMENTS FOR INSPECTION & TESTING. INSPECTIONS SHOULD BE COORDINATED WITH BILL LAWRENCE (480) 748-3952. INSPECTIONS ARE ON A DAY TO DAY FIRST COME FIRST SERVED BASIS. CONSTRUCTION CONCEALED WITHOUT THE REQUIRED INSPECTION SHALL BE SUBJECT TO EXPOSURE AT THE CONTRACTOR'S EXPENSE.
19. THE CONTRACTOR WILL FOLLOW GUIDELINES & REGULATIONS SET FORTH BY OSHA, NEITHER THE ENGINEER OR THE TOWN WILL BE RESPONSIBLE FOR JOB-SITE SAFETY PROCEDURES OR CONDITIONS.
20. THE CONTRACTOR IS RESPONSIBLE FOR HIS OWN TAKEOFF QUANTITIES. QUANTITIES SHOWN HEREON ARE ESTIMATES ONLY & AS SUCH ARE NOT TO BE USED FOR BID PURPOSES.
21. THE CONTRACTOR IS RESPONSIBLE FOR THE NOTIFICATION OF THE PROPER AUTHORITY(S) IF THERE ARE OBSTRUCTIONS TO PROPOSED IMPROVEMENTS AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY EXISTING ITEM REMOVED TO FACILITATE CONSTRUCTION SHALL BE REPLACED IN THE SAME OR BETTER CONDITION AT THE CONTRACTOR'S EXPENSE.
22. THE CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL ON & AROUND THE CONSTRUCTION SITE.
23. ALL WATER LINES SHALL HAVE 36" TO 48" MINIMUM COVER AS SPECIFIED IN THE TOWN OF QUEEN CREEK WATER DEPARTMENT DESIGN STANDARDS AND CONSTRUCTION MANUAL.
24. CONTRACTOR MUST MAINTAIN SLOPE OF WATER LINES TO HIGH POINTS AT COMBINATION AIR VALVES OR LOW POINTS AT BLOW OFFS OR FIRE HYDRANTS.
25. IN ACCORDANCE WITH AAC R18-4-213, ALL MATERIALS ADDED AFTER JANUARY 1, 1993 WHICH MAY COME IN CONTACT WITH DRINKING WATER SHALL CONFORM TO NATIONAL SANITATION FOUNDATION STANDARDS 60 AND 61 AND 372.
26. DUCTILE IRON PIPE WHEN REQUIRED SHALL BE THICKNESS CLASS 350.
27. SERVICE CONNECTION BACK-FLOW PREVENTORS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR
28. FIRE HYDRANTS SHALL RECEIVE 2 FIELD COATS OF CHROME YELLOW PAINT PRIOR TO ACCEPTANCE OF WORK BY THE WATER DEPARTMENT.
29. DEVELOPER IS TO INSTALL ALL TAPS, AND METER BOXES. REFER TO THE WATER DEPARTMENT DESIGN AND CONSTRUCTION STANDARDS MANUAL FOR CLARIFICATION ON METER BOX LOCATION AND REQUIRED MATERIALS.
30. METERS SHALL BE FURNISHED AND INSTALLED BY THE WATER DEPARTMENT.
31. PAVEMENT REPLACEMENT AND TRENCH REPAIR SHALL BE DONE TO MAG STANDARD SPECIFICATIONS AND DETAILS .
32. ALL WATER SERVICE CONNECTIONS SHALL BE EXTENDED TO THE PROPOSED METER LOCATIONS AS INDICATED ON THE PLANS SUCH THAT ADDITIONAL EXTENSION WILL NOT BE REQUIRED.
33. IMPROVEMENTS SHALL NOT BE ACCEPTED UNTIL "AS-BUILT" PLANS HAVE BEEN SUBMITTED, REVIEWED AND APPROVED BY THE WATER DEPARTMENT.

# QUEEN CREEK SEWER NOTES:

1. ALL WORK, TESTING AND MATERIAL SHALL CONFORM TO THE LATEST EDITION OF THE QUEEN CREEK WATER COMPANY DESIGN AND CONSTRUCTION STANDARDS MANUAL. ALL WORK AND MATERIALS NOT IN CONFORMANCE WITH STANDARDS AND DETAILS ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE. THE QUEEN CREEK SEWER DEPARTMENT REPRESENTATIVE SHALL HAVE FINAL AUTHORITY ON ALL IMPROVEMENTS REGARDLESS OF THE PLANS AND/OR SPECIFICATIONS.
2. THIS SET OF PLANS HAS BEEN REVIEWED FOR COMPLIANCE WITH DEPARTMENT REQUIREMENTS PRIOR TO ISSUANCE OF CONSTRUCTION PERMITS. HOWEVER, SUCH REVIEW SHALL NOT PREVENT THE DEPARTMENT FROM REQUIRING CORRECTION OF ERRORS IN PLANS FOUND TO BE IN VIOLATION OF ANY LAW OR ORDINANCE.
3. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO BEGINNING CONSTRUCTION
4. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING PERMITS AND RENEWAL OF LAPSED PERMITS.
5. THE SEWER DEPARTMENT APPROVAL IS VALID FOR A PERIOD OF ONE YEAR. CONSTRUCTION PERMITS SHALL BE OBTAINED DURING THIS PERIOD OR THE PLANS SHALL BE RESUBMITTED FOR REVIEW AND APPROVAL.
6. AN APPROVED SET OF PLANS SHALL BE AVAILABLE ON THE JOB SITE AT ALL TIMES.
7. DEVELOPER IS RESPONSIBLE FOR OBTAINING ALL PERMANENT AND TEMPORARY EASEMENTS PRIOR TO BEGINNING CONSTRUCTION.
8. PRIVATE ON-SITE WATER LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST REVISION OF THE UNIFORM PLUMBING CODE.
9. ENGINEER CERTIFIES THAT HE HAS CONTACTED ALL INTERESTED UTILITY COMPANIES AND HAS TRANSFERRED ALL EXISTING AND/OR PROPOSED UTILITY LINES AND RELATED INFORMATION ONTO THESE PLANS.
10. THE ENGINEER SHALL CERTIFY THAT ALL SEWER IMPROVEMENTS HAVE BEEN INSTALLED AT THE LOCATIONS AND ELEVATIONS SHOWN ON THE APPROVED PLANS.
11. THE ENGINEER SHALL CERTIFY THAT THE MINIMUM HORIZONTAL AND VERTICAL SEPARATION BETWEEN UTILITIES HAS BEEN MAINTAINED AS REQUIRED BY LAW OR POLICY.
12. THE CONTRACTOR SHALL ARRANGE TO PROVIDE ALL CONSTRUCTION STAKING REQUIRED FOR THE PROJECT.
13. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE RELOCATION OF ALL UTILITIES, POWER POLES, IRRIGATION DRY-UPS, REMOVALS BY OTHERS, ETC.
14. ALL FRAMES, COVERS, CLEAN-OUTS, MANHOLES, ETC. SHALL BE INSTALLED TO FINISH GRADE OR SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO PLACING OF ASPHALT SURFACE COURSE BY THE CONTRACTOR AS PER MAG STANDARD DETAIL 270 AND 422.
15. IT IS THE CONTRACTORS'S RESPONSIBILITY TO LOCATE ALL UTILITIES PRIOR TO EXCAVATION AND AVOID DAMAGE TO SAME. CALL 602-263-1100 FOR BLUE STAKE TWO WORKING DAYS PRIOR TO DIGGING.
16. CONTRACTOR WILL EXPOSE ALL TIE-IN POINTS TO VERIFY LOCATION PRIOR TO BEGINNING SUBSTANTIAL CONSTRUCTION ACTIVITIES.
17. THE TOWN OF QUEEN CREEK SEWER DEPARTMENT IS NOT LIABLE FOR DELAYS NOR DAMAGES TO UTILITIES RELATED TO THIS CONSTRUCTION; NEITHER WILL THE SEWER DEPARTMENT PARTICIPATE IN THE COST OF UTILITY RECONSTRUCTION OR RELOCATION.
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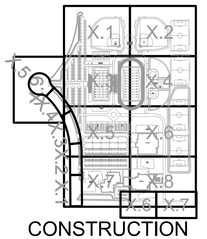
19. THE CONTRACTOR WILL FOLLOW GUIDELINES AND REGULATIONS SET FORTH BY O.S.H.A. NEITHER THE ENGINEER OR THE TOWN WILL BE RESPONSIBLE FOR JOB-SITE SAFETY PROCEDURES OR CONDITIONS.
20. THE CONTRACTOR IS RESPONSIBLE FOR HIS OWN TAKEOFF QUANTITIES. QUANTITIES SHOWN HEREON ARE ESTIMATES ONLY AND AS SUCH ARE NOT TO BE USED FOR BID PURPOSES.
21. THE CONTRACTOR IS RESPONSIBLE FOR THE NOTIFICATION OF THE PROPER AUTHORITY(S) IF THERE ARE OBSTRUCTIONS TO PROPOSED IMPROVEMENTS AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY EXISTING ITEM REMOVED TO FACILITATE CONSTRUCTION SHALL BE REPLACED IN THE SAME OR BETTER CONDITION AT THE CONTRACTOR'S EXPENSE.
22. THE CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL ON AND AROUND THE CONSTRUCTION SITE.
23. PAVEMENT REPLACEMENT AND TRENCH REPAIR SHALL BE DONE TO MAG STANDARD SPECIFICATIONS AND DETAILS.
24. IMPROVEMENTS SHALL NOT BE ACCEPTED UNTIL "AS-BUILT" PLANS HAVE BEEN SUBMITTED, REVIEWED AND APPROVED BY THE SEWER DEPARTMENT.

LLOYD SPORTS + ENGINEERING
7349 N. VIA PASEO DEL SUR
SUITE 515-324
SCOTTSDALE, ARIZONA 85258
PH 602.635.4226




CONSTRUCTION DOCUMENTS

PRELIMINARY NOT FOR CONSTRUCTION

| REV. |
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QCUSD #3
UTILITY PLANS

RIGGS ROAD
QUEEN CREEK, AZ

| | |
|---|---|
| DESIGNED: | JLP |
| DATE: | JUNE 30, 2021 |
| DRAWN: | TML |
| PROJ. | 20-160 |
| SCALE: | |

GENERAL NOTES

DWG. NO.

C2-1.3

Contact Arizona 811 at least two full working days before you begin excavation
ARIZONA811
Call 811 or click Arizona811.com

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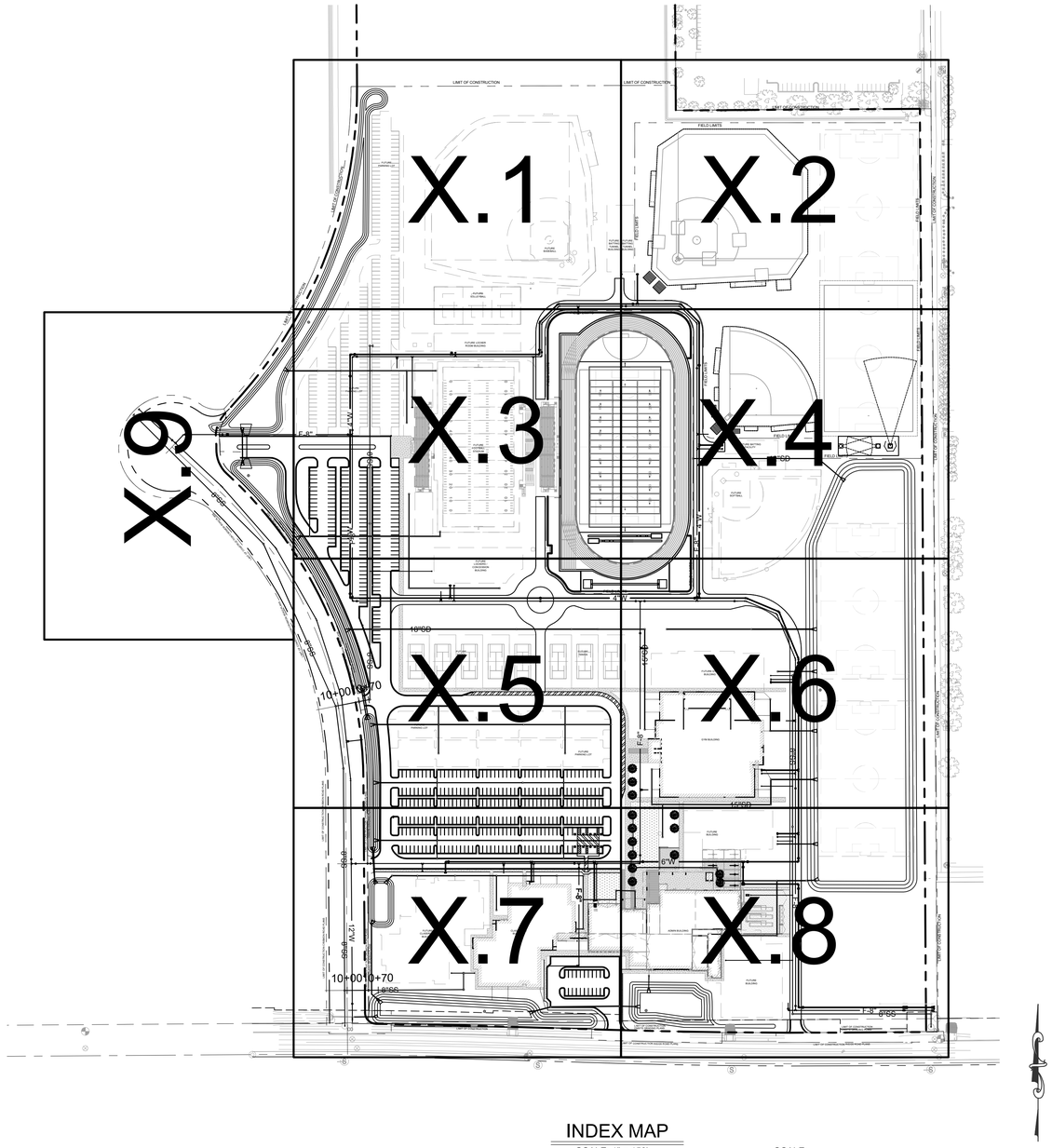
## CRISMON ROAD WATER KEYNOTES

| | | | |
|---|---|---|---|
| 5 | INSTALL PVC WATERLINE (SCHEDULE 80 AND 36" MINIMUM COVER) WITH 12 AWG TRACER WIRE PER THE IPC. SIZE AND LENGTH AS INDICATED ON PLANS. INSTALL JOINT RESTRAINTS PER TOQC STD. DTL. QW502-1 AND/OR MANUFACTURERS REQUIREMENTS. TRENCH EXCAVATION BACKFILL AND COMPACTION PER TOQC STD. DTL. QW606. | 8"<br>12" | 144 LF<br>1,543 LF |

## CRISMON ROAD SEWER KEYNOTES

| | | | |
|---|---|---|---|
| 2 | REMOVE PLUG AND CONNECT TO EXISTING CLEANOUT. | | 1 EA |
| 3 | INSTALL PVC SDR 35 (SIZE AS NOTED) SEWER PIPE, PER TRENCH AND BACKFILL DETAIL PER TOQC STD. DTL. QS442. LENGTH AND SLOPE PER PLAN. | 8" | 1,641 LF |
| 4 | INSTALL 5' DIAMETER PRECAST MANHOLE PER TOQC STD. DTL. QS420 WITH MANHOLE COVER FRAME ADJUSTMENT PER TOQC STD. DTL. QS421 AND 30" COVER PER TOQC STD. DTL. QS422. | | 5 EA |
| 5 | INSTALL SEWER STUB OUT AND PLUG PER TOQC STD. DTL. QS441. | | 3 EA |




INDEX MAP
SCALE: 1" = 150'

SCALE:

## SEWER KEYNOTES

| | | | |
|---|---|---|---|
| 1 | CONTRACTOR TO POTHOLE AND VERIFY LOCATION, SIZE AND INVERT OF EXISTING WATER LINE OR STUB PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES. | | |
| 2 | REMOVE PLUG AND CONNECT TO EXISTING 8" SEWER STUB. | | |
| 3 | INSTALL PVC SDR 35 (SIZE AS NOTED) SEWER PIPE, PER TRENCH AND BACKFILL DETAIL PER TOQC STD. DTL. QS442. LENGTH AND SLOPE PER PLAN. | | |
| 4 | INSTALL 5' DIAMETER PRECAST MANHOLE PER TOQC STD. DTL. QS420 WITH MANHOLE COVER FRAME ADJUSTMENT PER TOQC STD. DTL. QS421 AND 30" COVER PER TOQC STD. DTL. QS422. | | |
| 5 | INSTALL SEWER CLEANOUT PER TOQC STD. DTL. QS425. | | |
| 6 | INSTALL SEWER SERVICE LATERAL PER TOQC QS430. | STD. DTL. | 5 EA |
| 7 | INSTALL SEWER STUB OUT AND PLUG PER TOQC QS441. | STD. DTL. | 3 EA |
| 8 | MAINTAIN CLEARANCE AT SEWER, STORMWATER, AND WATER CROSSING PER MAG STD. DTL. 404. | | 12 EA |
| 9 | SEE PLUMBING PLANS FOR CONTINUATION AND CONNECTION TO BUILDING. | | 7 EA |
| 10 | CONCRETE ENCASEMENT PER MAG STD. DTL. 404-3. | | NA |
| 11 | INSTALL ___ GALLON PRECAST GREASE INTERCEPTOR. | | 1 EA |

## DRAINAGE KEYNOTES

| | | | |
|---|---|---|---|
| 1 | INSTALL NEW HDPE ADS N-12 STORM DRAIN PIPE PER MANUFACTURER'S SPECIFICATIONS, OR APPROVED EQUAL. SIZE AND SLOPE PER PLAN. | 8"<br>12"<br>15"<br>18"<br>24" | 1,298 LF<br>3,140 LF<br>1,060 LF<br>2,258 LF<br>229 LF |
| 2 | INSTALL NEW ADS NYLOPLAST DRAIN BASIN WITH 12" PEDESTRIAN RATED GRATE BY ADS OR APPROVED EQUAL. | | 53 EA |
| 3 | INSTALL NEW CATCH BASIN "TYPE G" PER MAG STD. DTL. 537- SINGLE GRATE. | | 40 EA |
| 4 | INSTALL NEW HDPE ADS N-12 FLARED END SECTION. SIZE AND INVERTS PER PLAN. RIPRAP SPLASHPAD AT BASIN BOTTOM. | | 17 EA |
| 5 | INSTALL NEW MAXWELL PLUS DRYWELL BY TORRENT RESOURCES. | | 5 EA |

## WATER KEYNOTES

| | | | |
|---|---|---|---|
| 5 | INSTALL PVC WATERLINE (SCHEDULE 80 AND 36" MINIMUM COVER) WITH 12 AWG TRACER WIRE PER THE IPC. SIZE AND LENGTH AS INDICATED ON PLANS. INSTALL JOINT RESTRAINTS PER TOQC STD. DTL. QW502-1 AND/OR MANUFACTURERS REQUIREMENTS. TRENCH EXCAVATION BACKFILL AND COMPACTION PER TOQC STD. DTL. QW606. | 3"<br>4"<br>6" | 798 LF<br>2,933 LF<br>1,924 LF |

## FIRE KEYNOTES

| | | | |
|---|---|---|---|
| | | 8" | 5,992 LF |
| | | 6" | 346 LF |
| 3 | INSTALL C900 PVC WATER LINE, SIZE AS NOTED. LENGTH AS INDICATED ON PLANS. | 4" | 153 LF |
| | | 3" | 195 LF |
| 4 | INSTALL DOUBLE CHECK DETECTOR ASSEMBLY, SIZE AS NOTED PER TOQC STD. DTL. QW409. | | 2 EA |
| 9 | INSTALL FIRE HYDRANT ASSEMBLY COMPLETE WITH VALVE PER TOQC STD. DTL. QW201. HYDRANT SERVICE LINE SHALL BE 6" DIP PIPE WITH ALL JOINTS FORM MAINLINE TO HYDRANT RESTRAINED. | | 10 EA |

Contact Arizona 811 at least two full working days before you begin excavation
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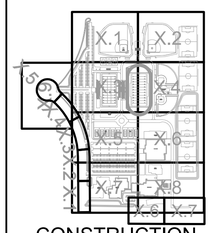
Call 811 or click Arizona811.com


LLOYD
SPORTS + ENGINEERING
7349 N. VIA PASEO DEL SUR
SUITE 515-324
SCOTTSDALE, ARIZONA 85258
PH 602.635.4226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PRELIMINARY NOT FOR CONSTRUCTION

REV.

QCUSD #3
UTILITY PLANS

RIGGS ROAD
QUEEN CREEK, AZ

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| DESIGNED: | JLP |
| DATE: | JUNE 30, 2021 |
| DRAWN: | TML |
| PROJ. | 20-160 |
| SCALE: | 1" = 150' |

INDEX MAP
QUANTITIES

DWG. NO.

C2-1.4


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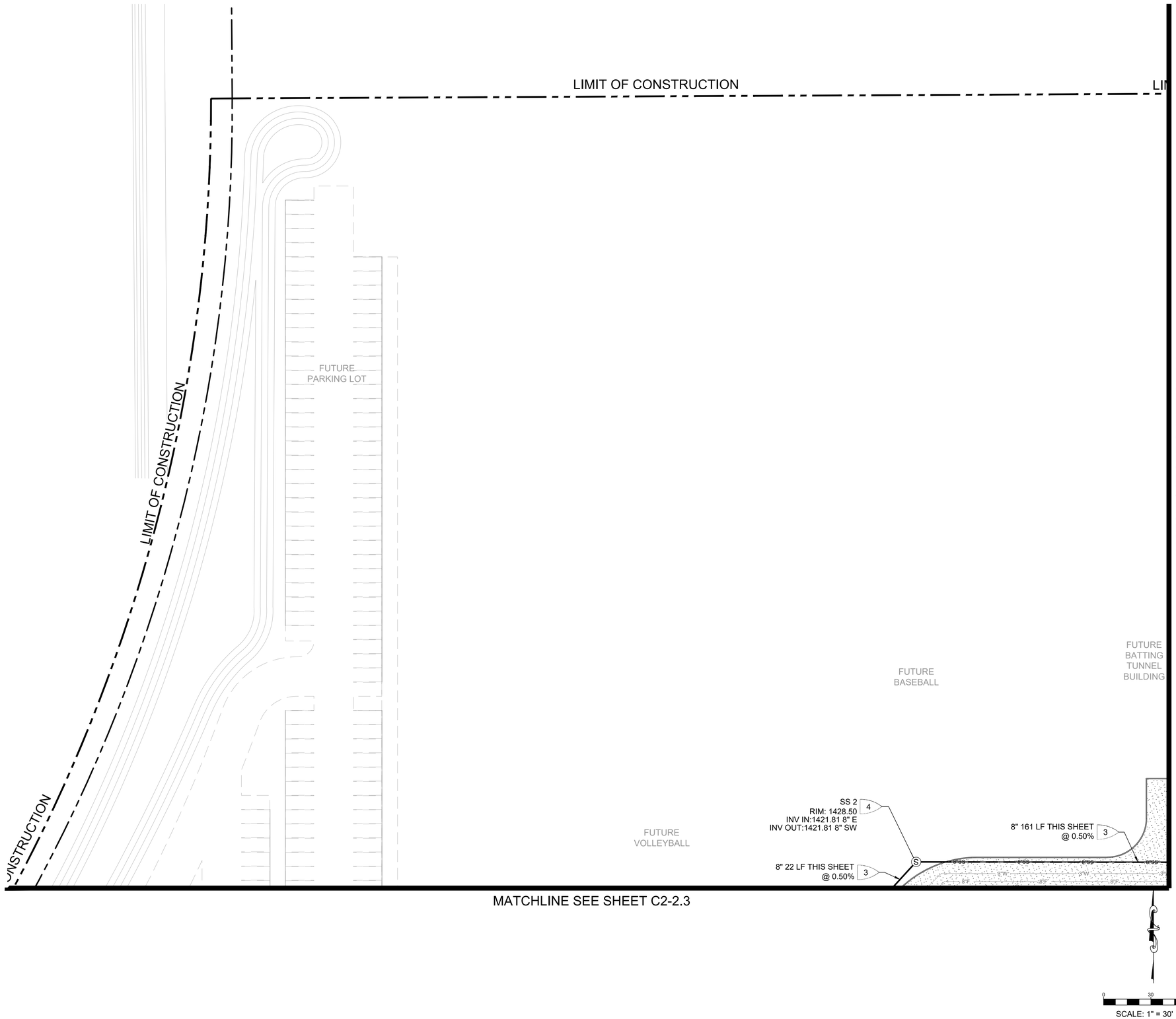


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1. CONTRACTOR TO POTHOLE AND VERIFY LOCATION, SIZE AND INVERT OF EXISTING WATER LINE OR STUB PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES.
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- Ⓢ — SANITARY SEWER MANHOLE
- ● — SANITARY SEWER CLEANOUT

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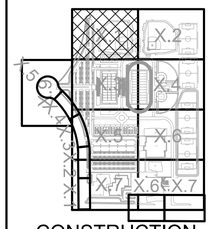


CONSTRUCTION DOCUMENTS

PRELIMINARY NOT FOR CONSTRUCTION

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QCUSD #3
UTILITY PLANS

RIGGS ROAD
QUEEN CREEK, AZ

| | |
|---|---|
| DESIGNED: | JLP |
| DATE: | JUNE 30, 2021 |
| DRAWN: | SAW |
| PROJ. | 20-160 |
| SCALE: | 1" = 30' |

SEWER PLANS

DWG. NO.

C2-2.1

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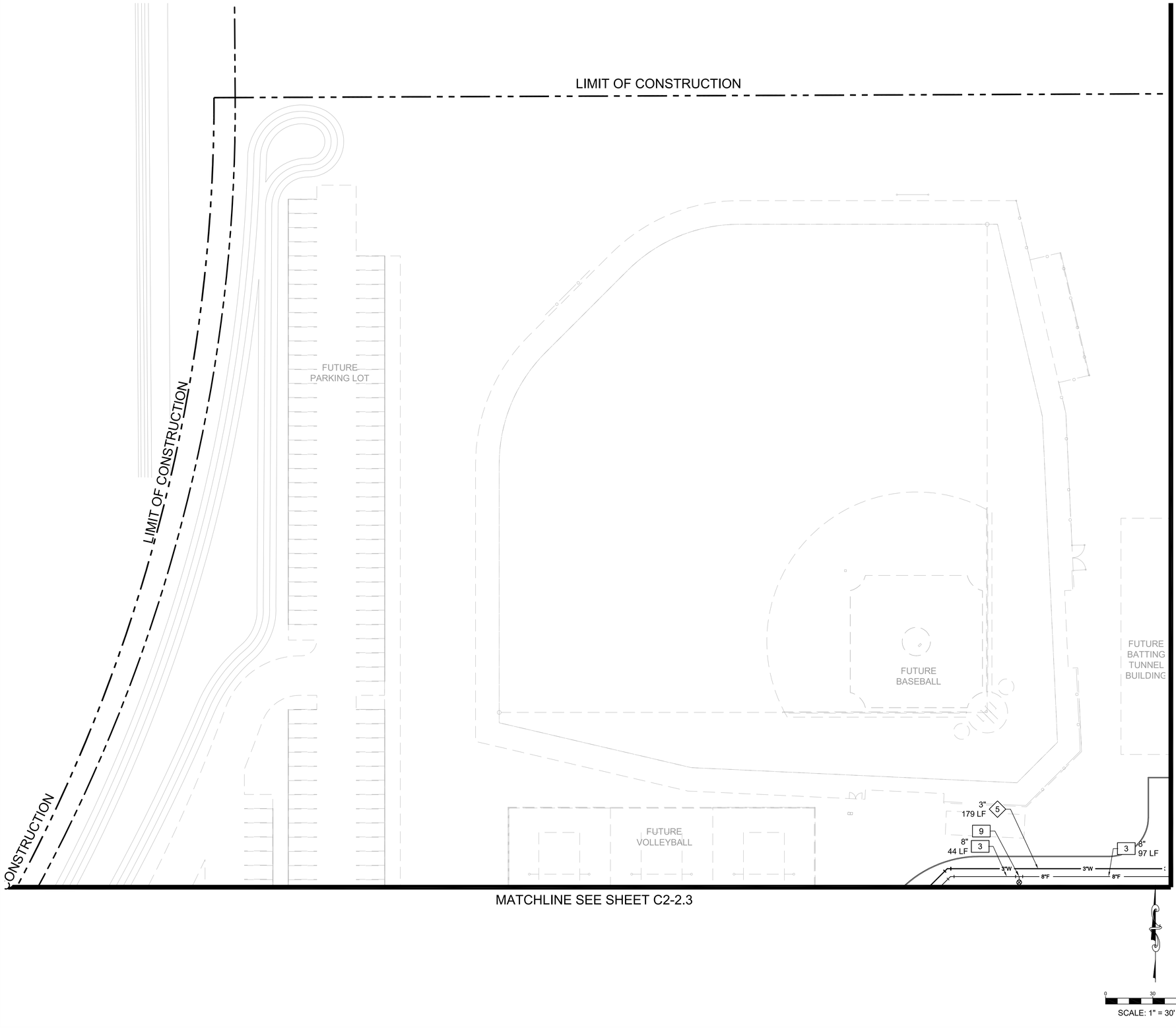


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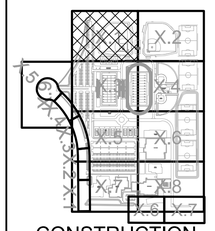

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# QCUSD #3 UTILITY PLANS

RIGGS ROAD
QUEEN CREEK, AZ

| | |
|---|---|
| DESIGNED: | JLP |
| DATE: | JUNE 30, 2021 |
| DRAWN: | TML |
| PROJ. | 20-160 |
| SCALE: | 1" = 30' |

UTILITY PLANS

DWG. NO.

C2-2.1

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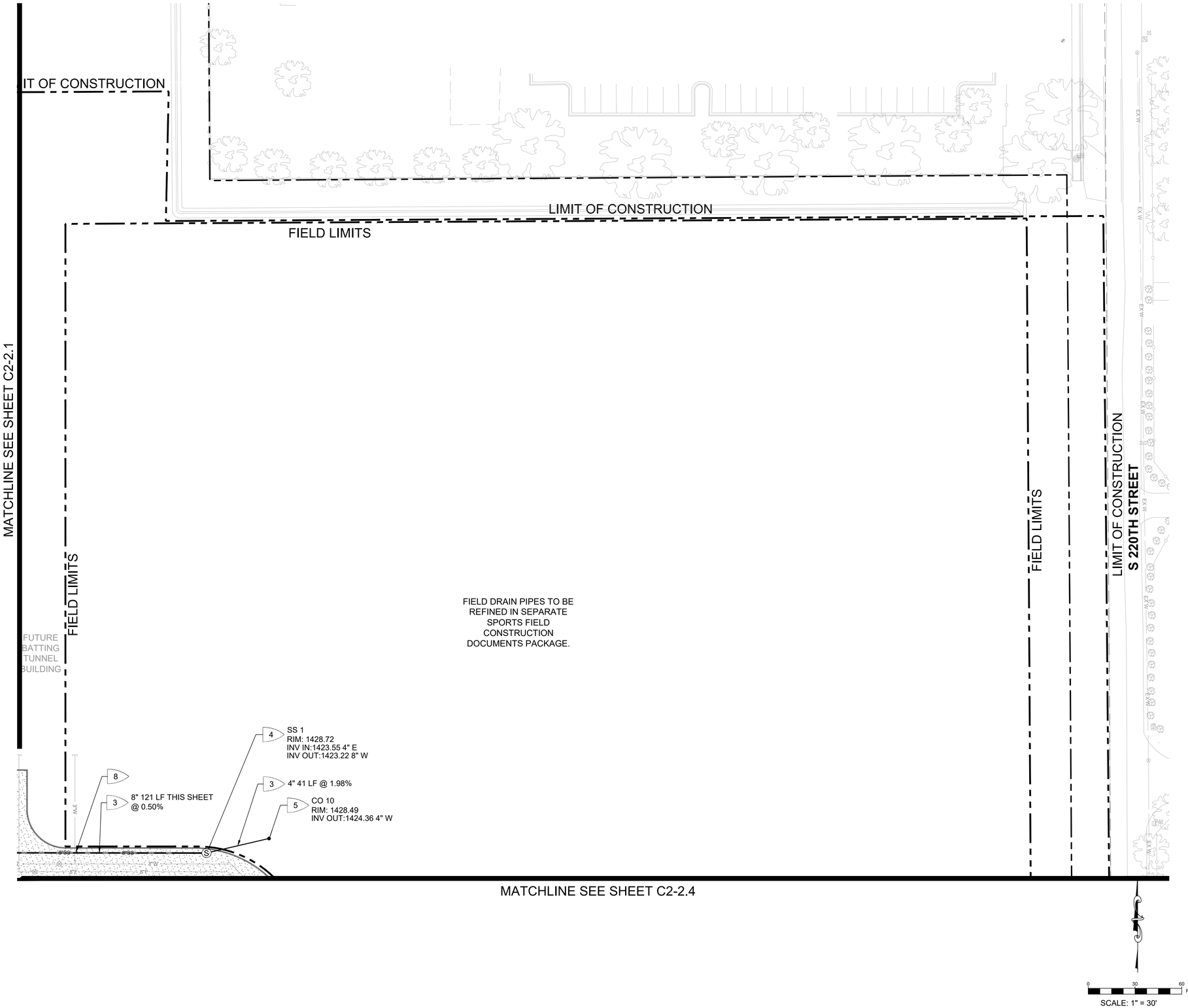


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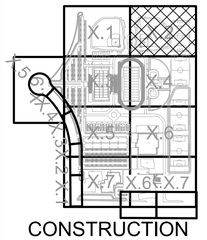

CONSTRUCTION DOCUMENTS

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QCUSD #3
UTILITY PLANS

RIGGS ROAD
QUEEN CREEK, AZ

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|---|---|
| DESIGNED: | JLP |
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| PROJ. | 20-160 |
| SCALE: | 1" = 30' |

SEWER PLANS

DWG. NO.

C2-2.2

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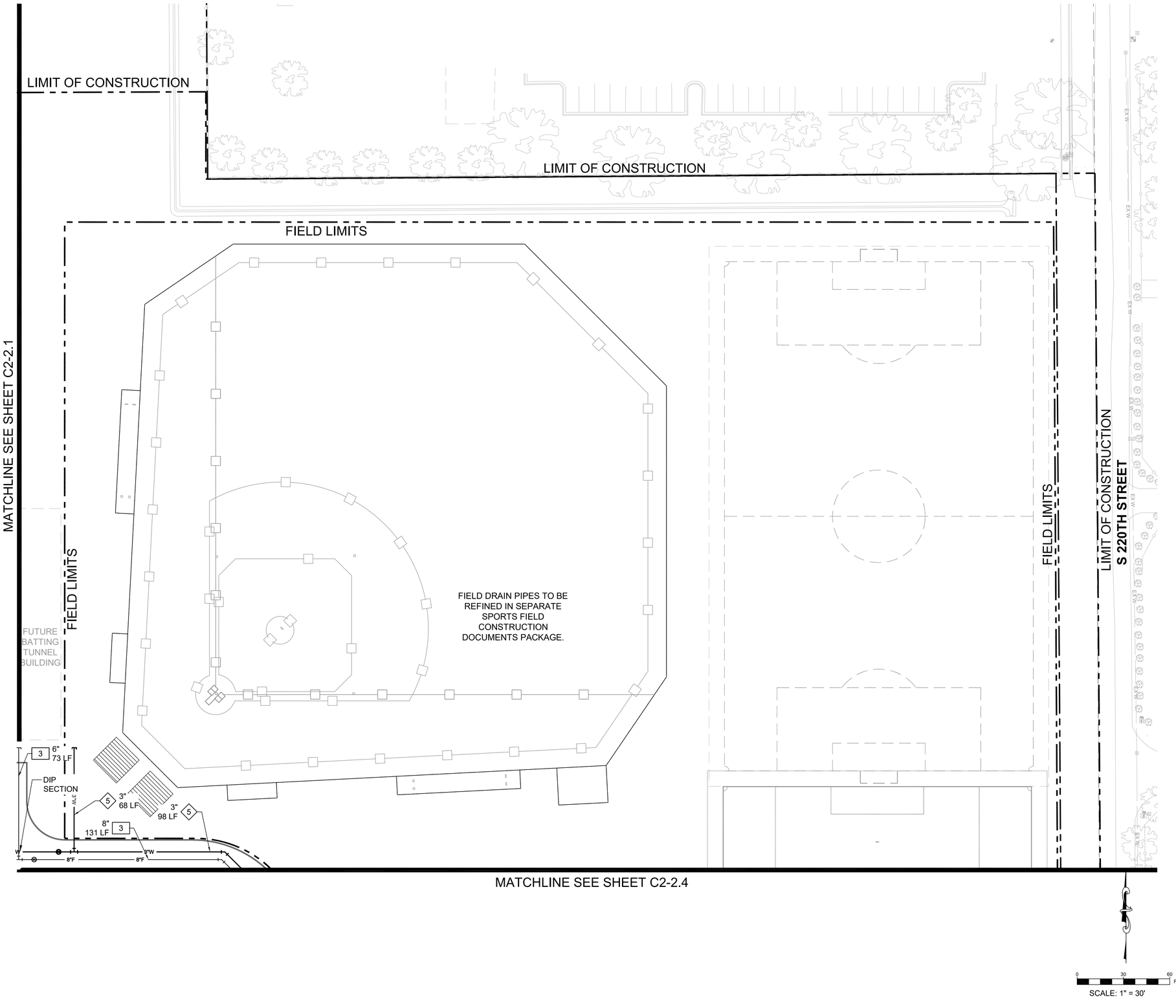


0 30 60 Feet

SCALE: 1" = 30'

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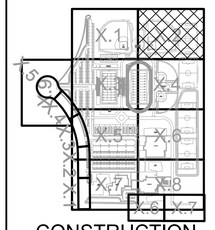


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QCUSD #3
UTILITY PLANS

RIGGS ROAD
QUEEN CREEK, AZ

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UTILITY PLANS

DWG. NO.

C2-2.2

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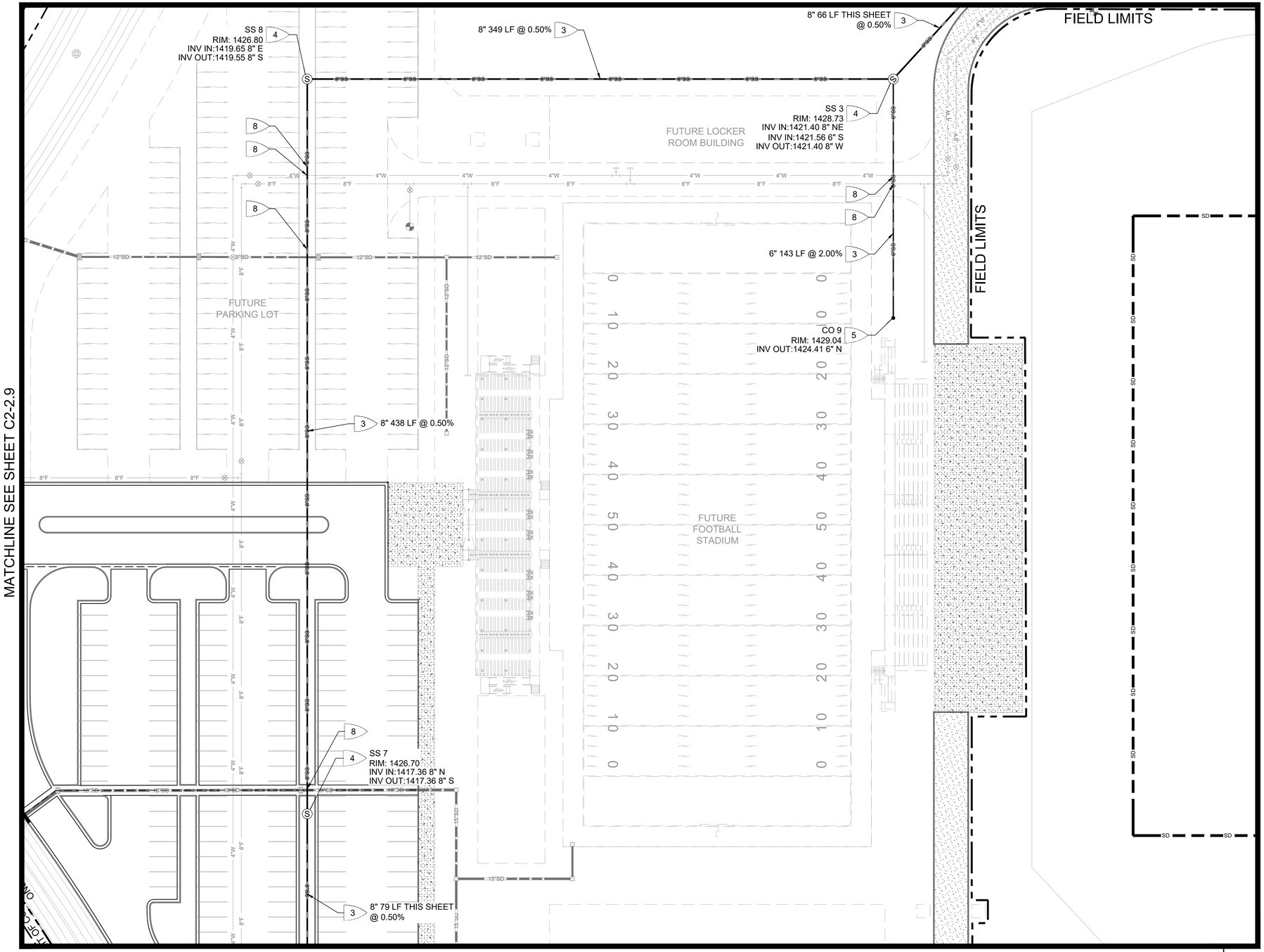
MATCHLINE SEE SHEET C2-2.1

MATCHLINE SEE SHEET C2-2.9

MATCHLINE SEE SHEET C2-2.4

MATCHLINE SEE SHEET C2-2.5

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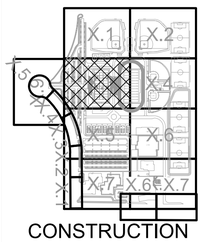


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QCUSD #3
UTILITY PLANS

RIGGS ROAD
QUEEN CREEK, AZ

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SEWER PLANS

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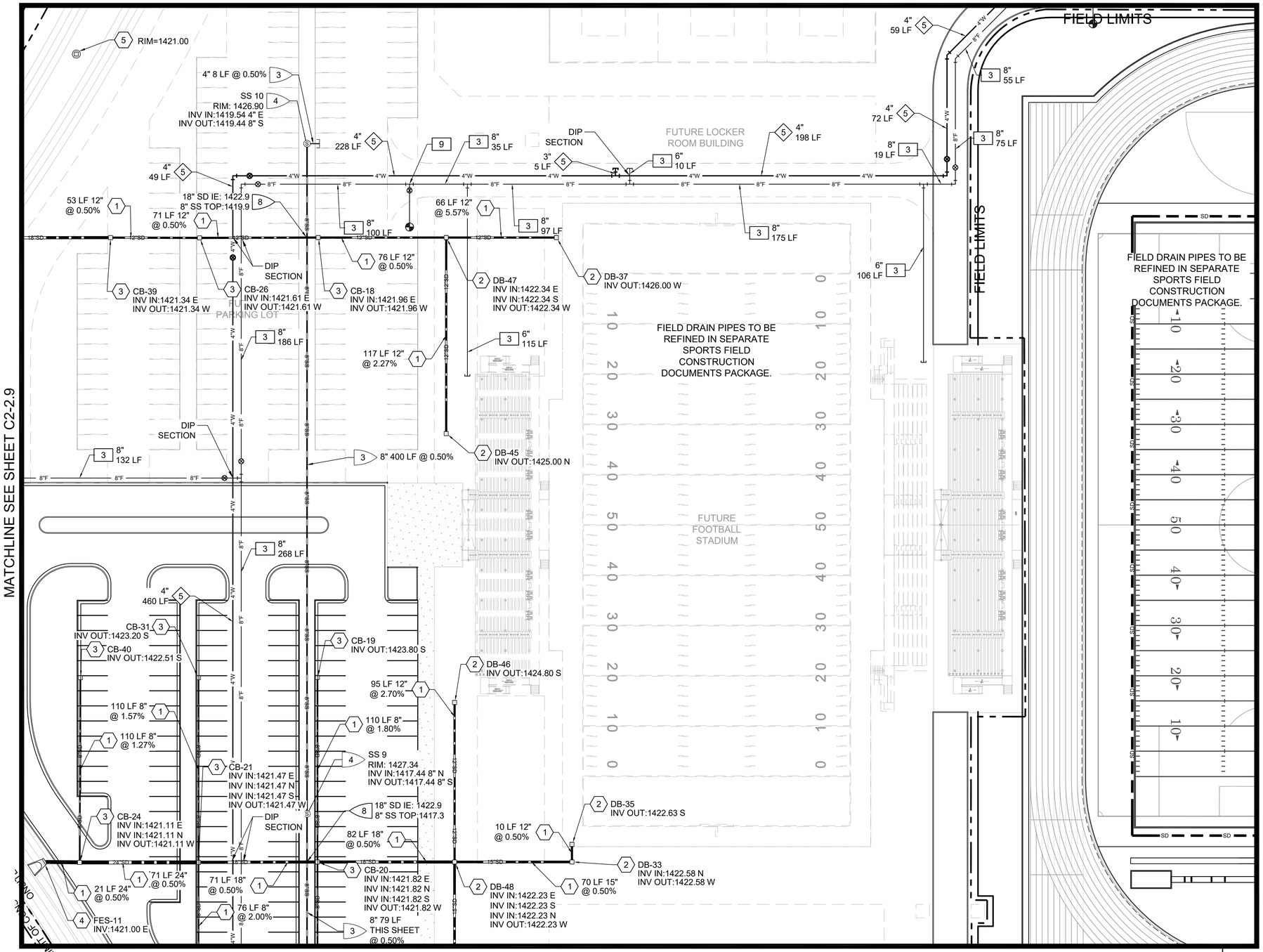


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## SEWER LEGEND

- SS — PVC SDR 35 SEWER PIPE
- Ⓢ — SANITARY SEWER MANHOLE
- ● — SANITARY SEWER CLEANOUT

## DRAINAGE KEYNOTES

1. INSTALL NEW HDPE ADS N-12 STORM DRAIN PIPE PER MANUFACTURER'S SPECIFICATIONS, OR APPROVED EQUAL. SIZE AND SLOPE PER PLAN.
2. INSTALL NEW ADS NYLOPLAST DRAIN BASIN WITH 12" PEDESTRIAN RATED GRATE BY ADS OR APPROVED EQUAL.
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5. INSTALL NEW MAXWELL PLUS DRYWELL BY TORRENT RESOURCES.

## WATER KEYNOTES

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## FIRE KEYNOTES

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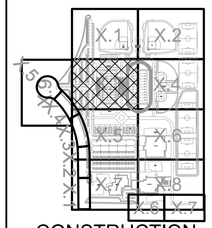


CONSTRUCTION DOCUMENTS

PRELIMINARY NOT FOR CONSTRUCTION

REV.

QCUSD #3
UTILITY PLANS

RIGGS ROAD
QUEEN CREEK, AZ

| | |
|---|---|
| DESIGNED: | JLP |
| DATE: | JUNE 30, 2021 |
| DRAWN: | TML |
| PROJ. | 20-160 |
| SCALE: | 1" = 30' |

UTILITY PLANS

DWG. NO.

C2-2.3

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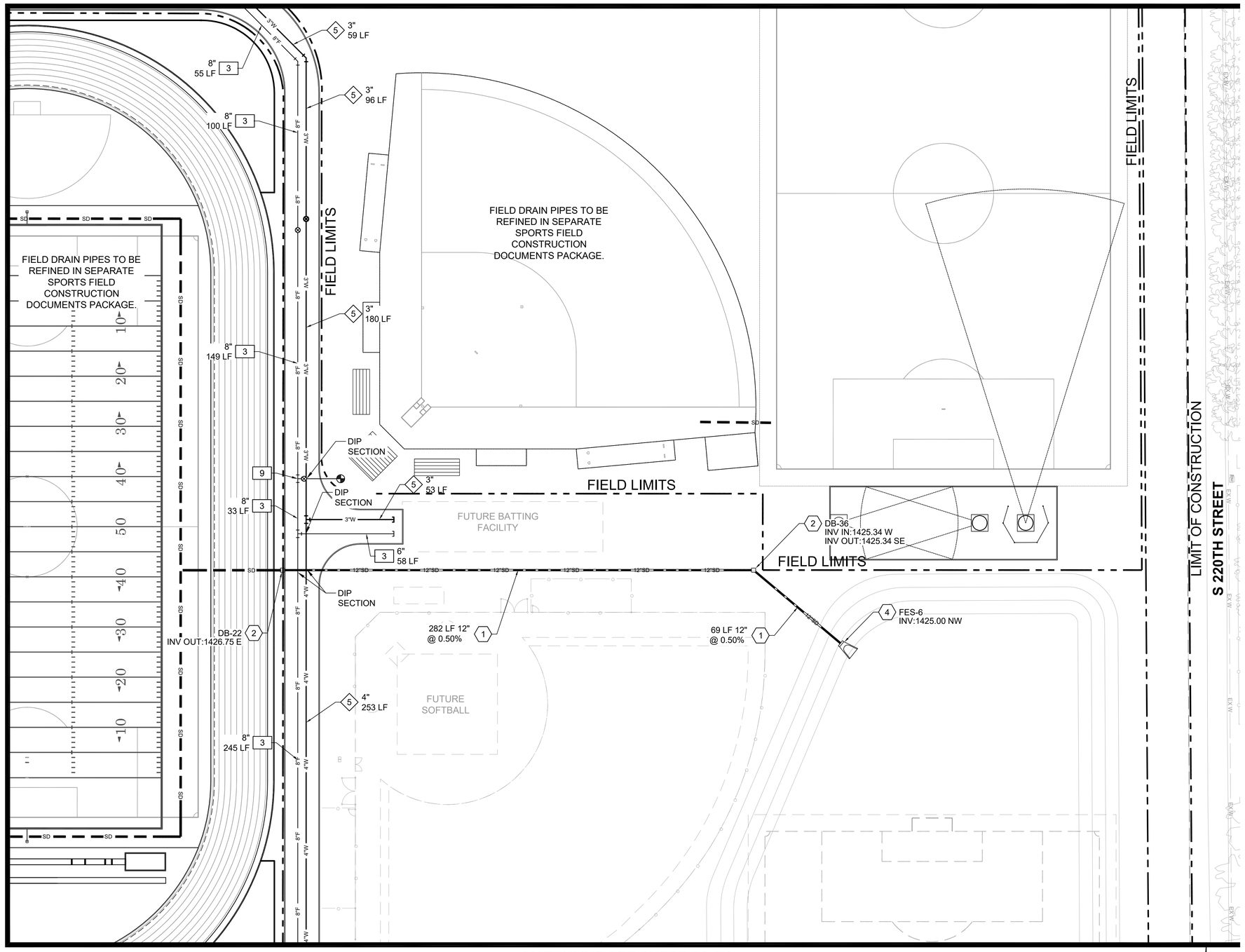


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2. REMOVE PLUG AND CONNECT TO EXISTING 8" SEWER STUB.
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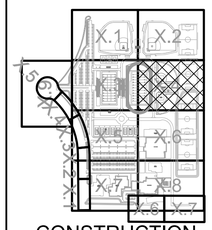


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QCUSD #3
UTILITY PLANS

RIGGS ROAD
QUEEN CREEK, AZ

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| DRAWN: | TML |
| PROJ. | 20-160 |
| SCALE: | 1" = 30' |

UTILITY PLANS

DWG. NO.

C2-2.4

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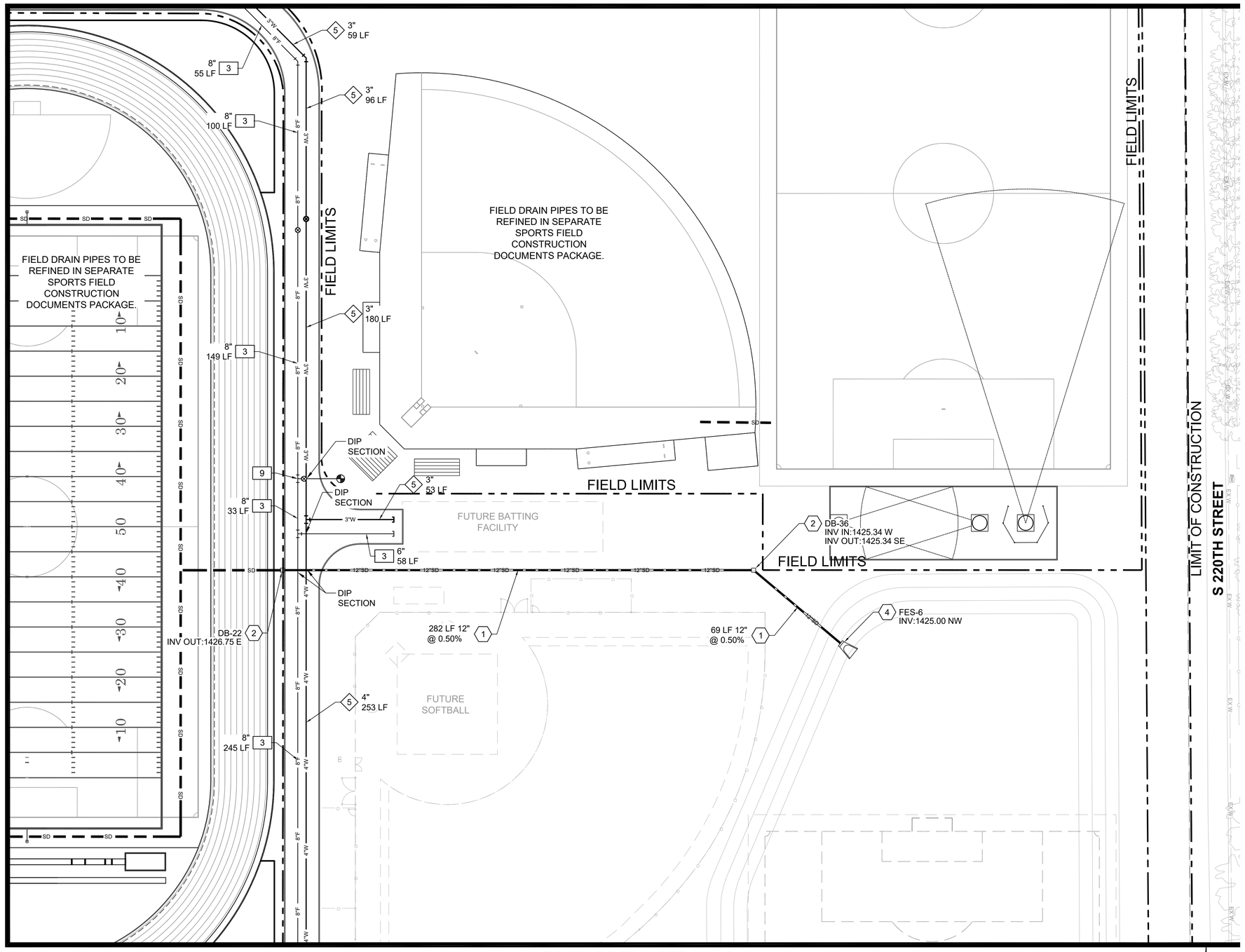


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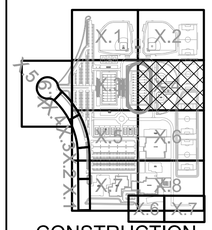


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UTILITY PLANS

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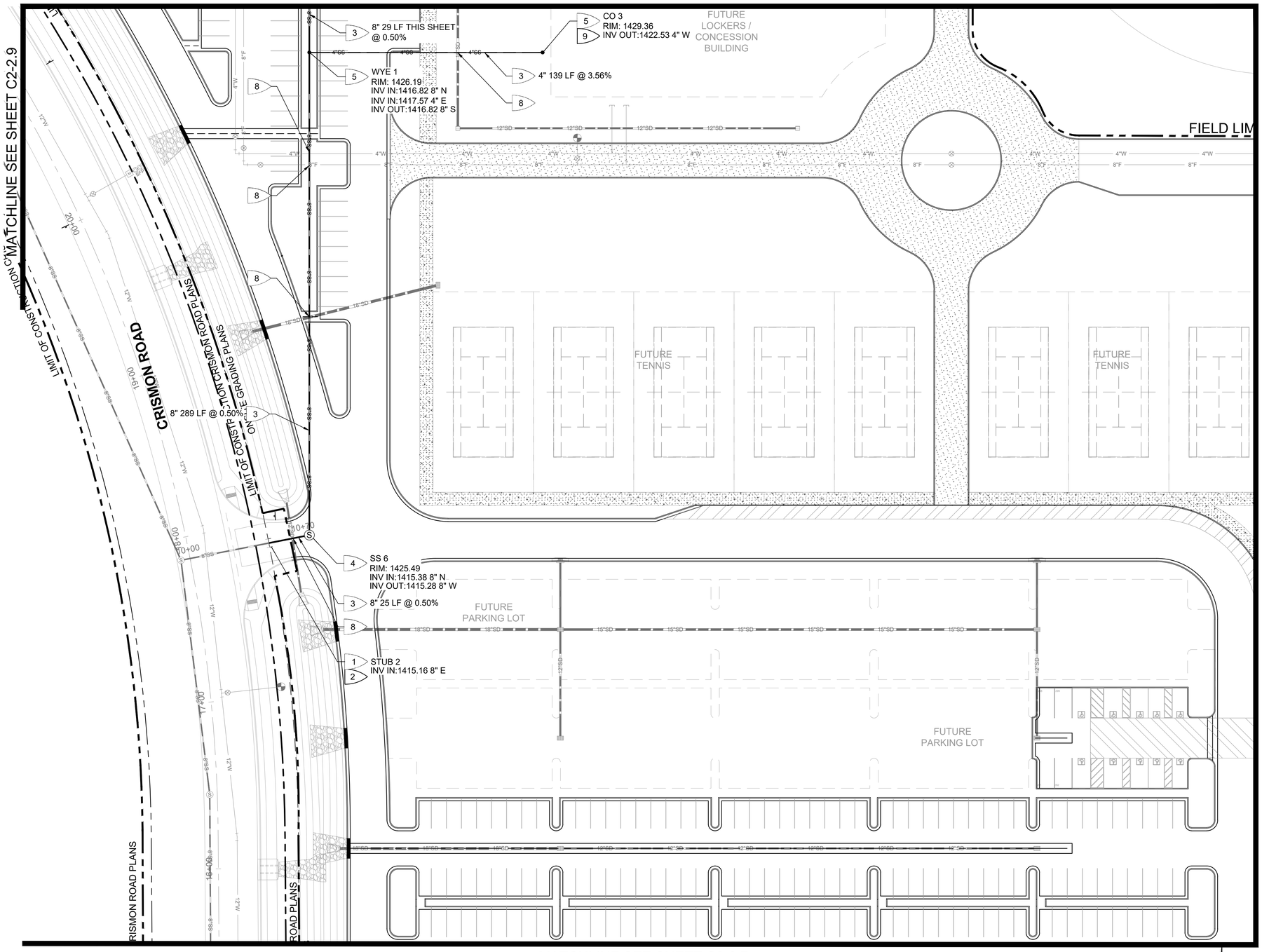


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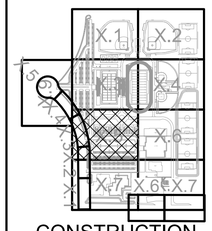


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SEWER PLANS

DWG. NO.

C2-2.5

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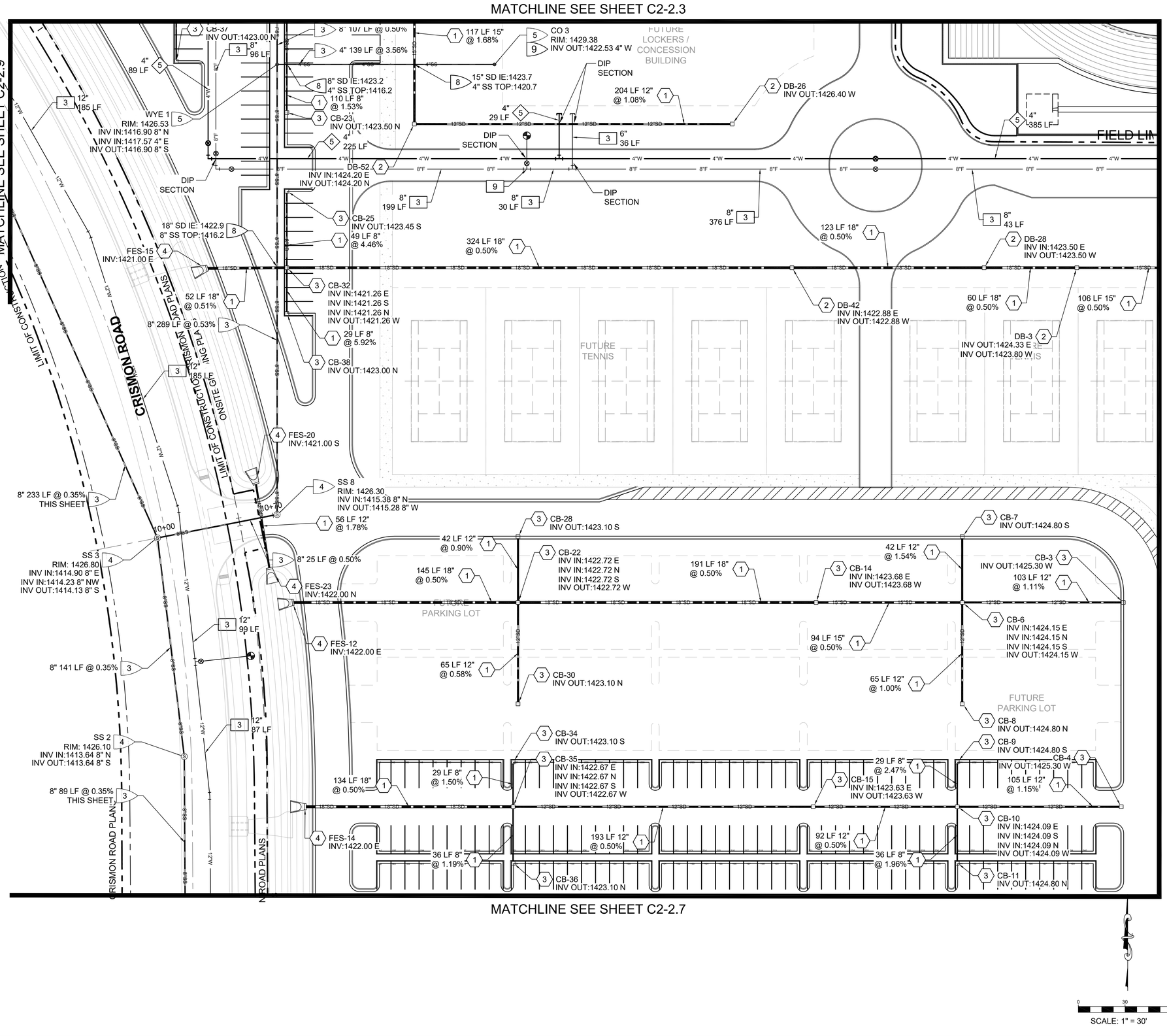


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X.1 X.2 X.3 X.4 X.5 X.6 X.7 X.8 X.9

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UTILITY PLANS

DWG. NO.

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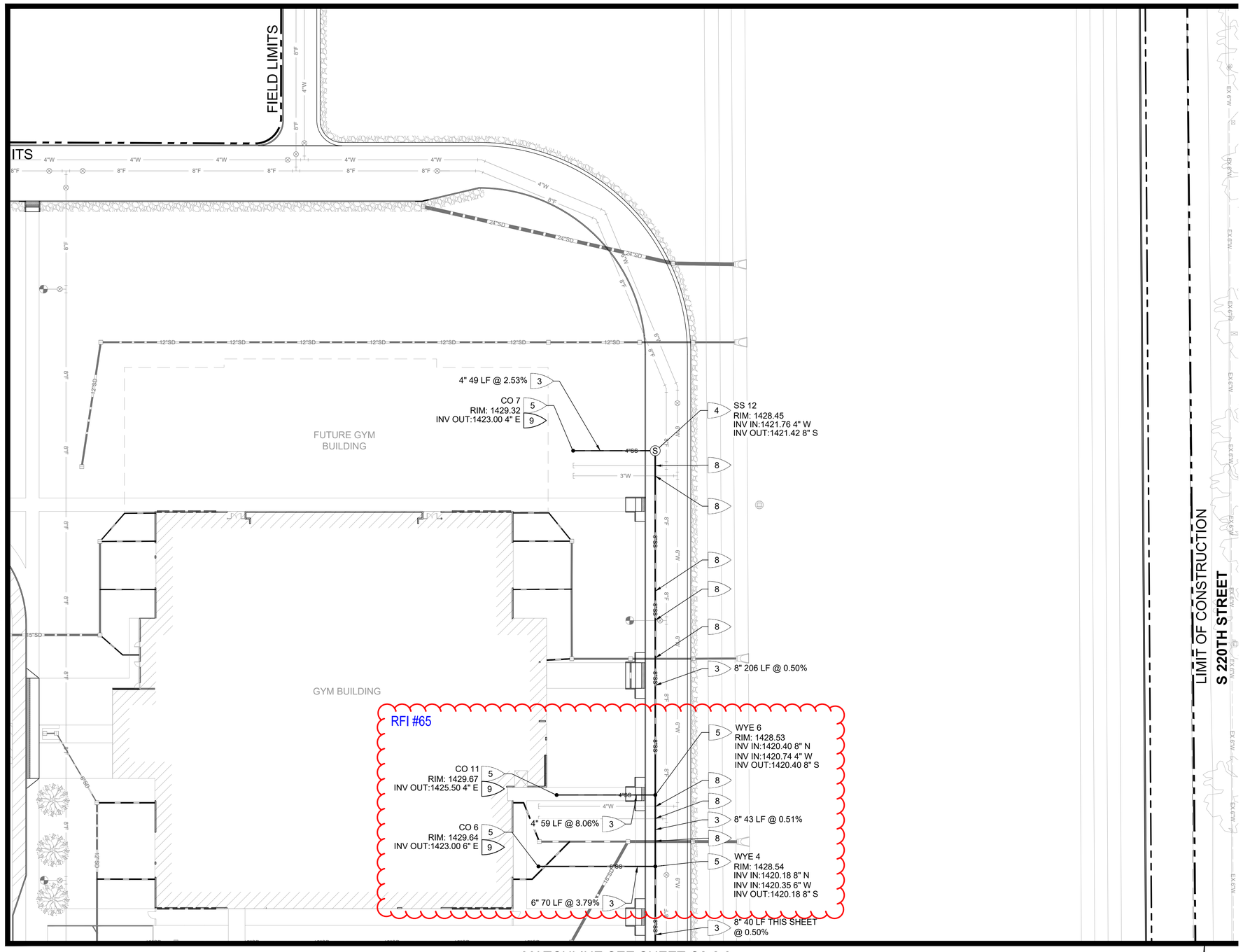
MATCHLINE SEE SHEET C2-2.4




MATCHLINE SEE SHEET C2-2.5

MATCHLINE SEE SHEET C2-2.8

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4. ALL INVERTS ARE PRELIMINARY, TO BE REVISED IN FINAL DESIGN

## SEWER LEGEND

- SS — PVC SDR 35 SEWER PIPE
- Ⓢ — SANITARY SEWER MANHOLE
- ● — SANITARY SEWER CLEANOUT


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7349 N. VIA PASEO DEL SUR
SUITE 515-324
SCOTTSDALE, ARIZONA 85258
PH 602.635.4226


X.1 X.2 X.3 X.4 X.5 X.6 X.7 X.8 X.9

CONSTRUCTION DOCUMENTS

PRELIMINARY NOT FOR CONSTRUCTION

REV.

QCUSD #3
ON-SITE PLANS

RIGGS ROAD
QUEEN CREEK, AZ

| | |
|---|---|
| DESIGNED: | JLP |
| DATE: | JUNE 30, 2021 |
| DRAWN: | SAW |
| PROJ. | 20-160 |
| SCALE: | 1" = 30' |

SEWER PLANS

DWG. NO.
C2-2.6

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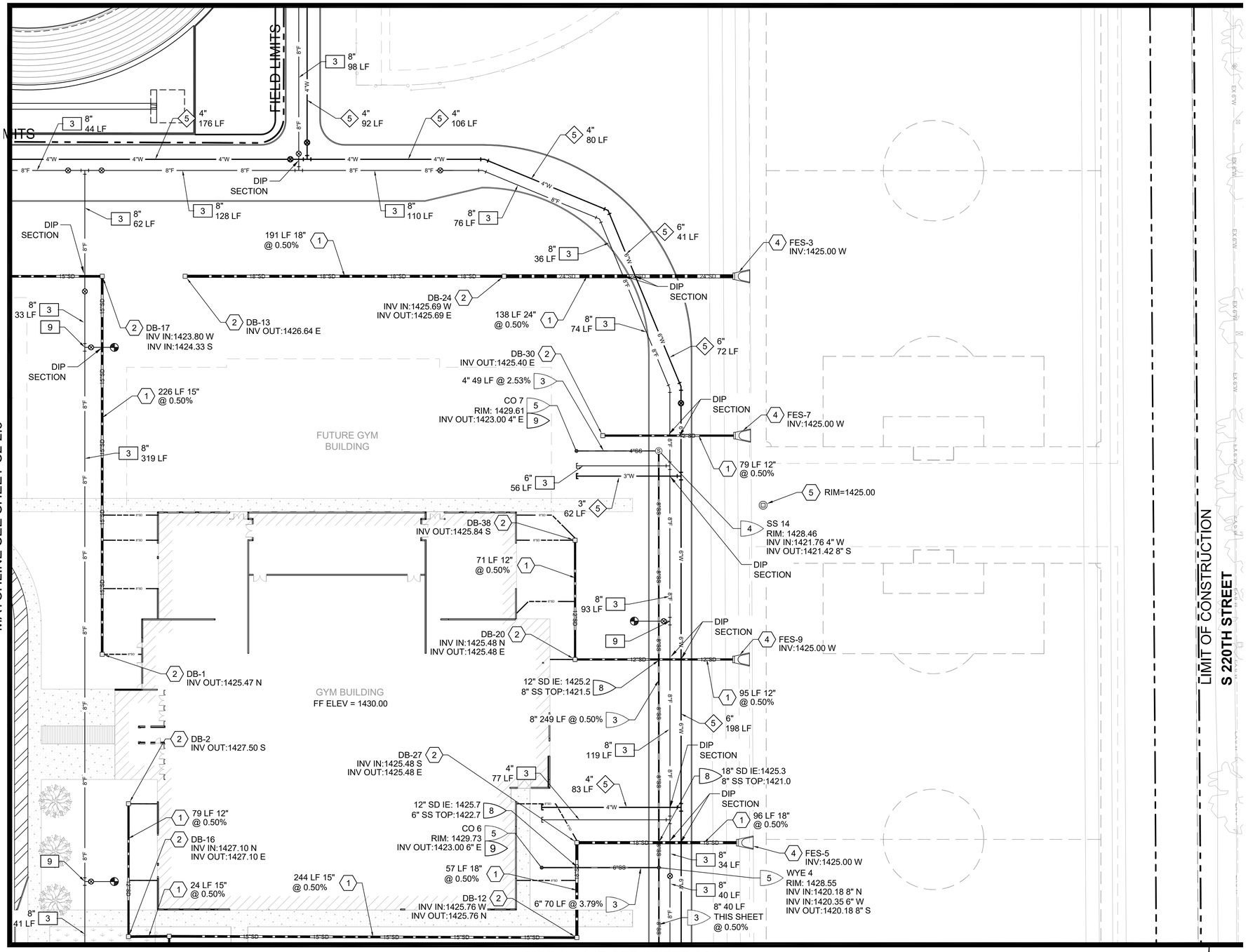


## SEWER KEYNOTES

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## WATER KEYNOTES

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## FIRE KEYNOTES

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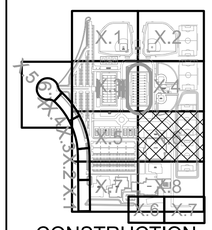


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REV.

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QUEEN CREEK, AZ

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UTILITY PLANS

DWG. NO.

C2-2.6

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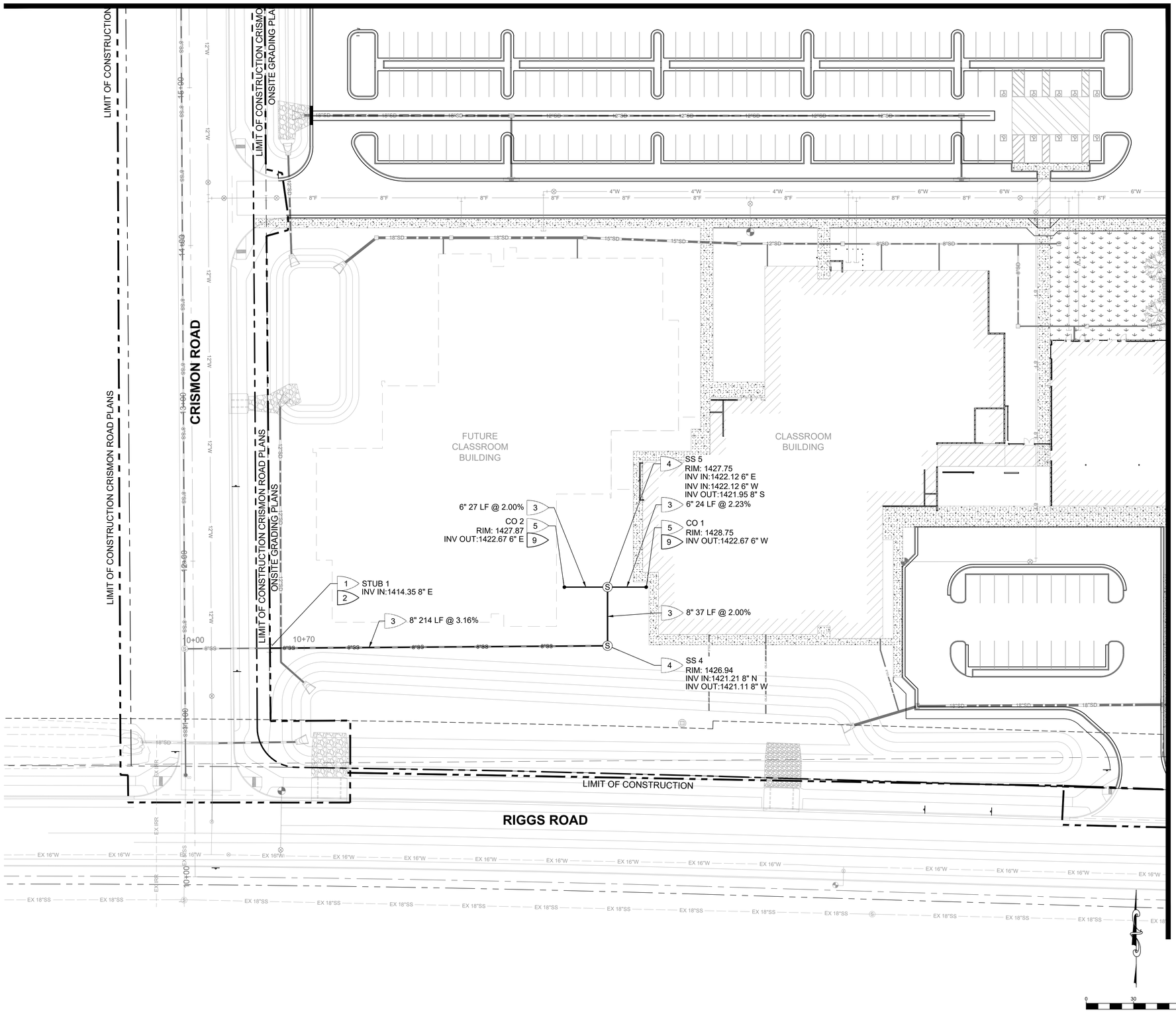


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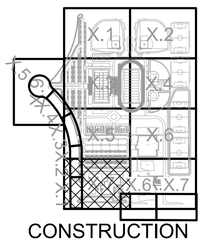


CONSTRUCTION DOCUMENTS

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QCUSD #3
UTILITY PLANS

RIGGS ROAD
QUEEN CREEK, AZ

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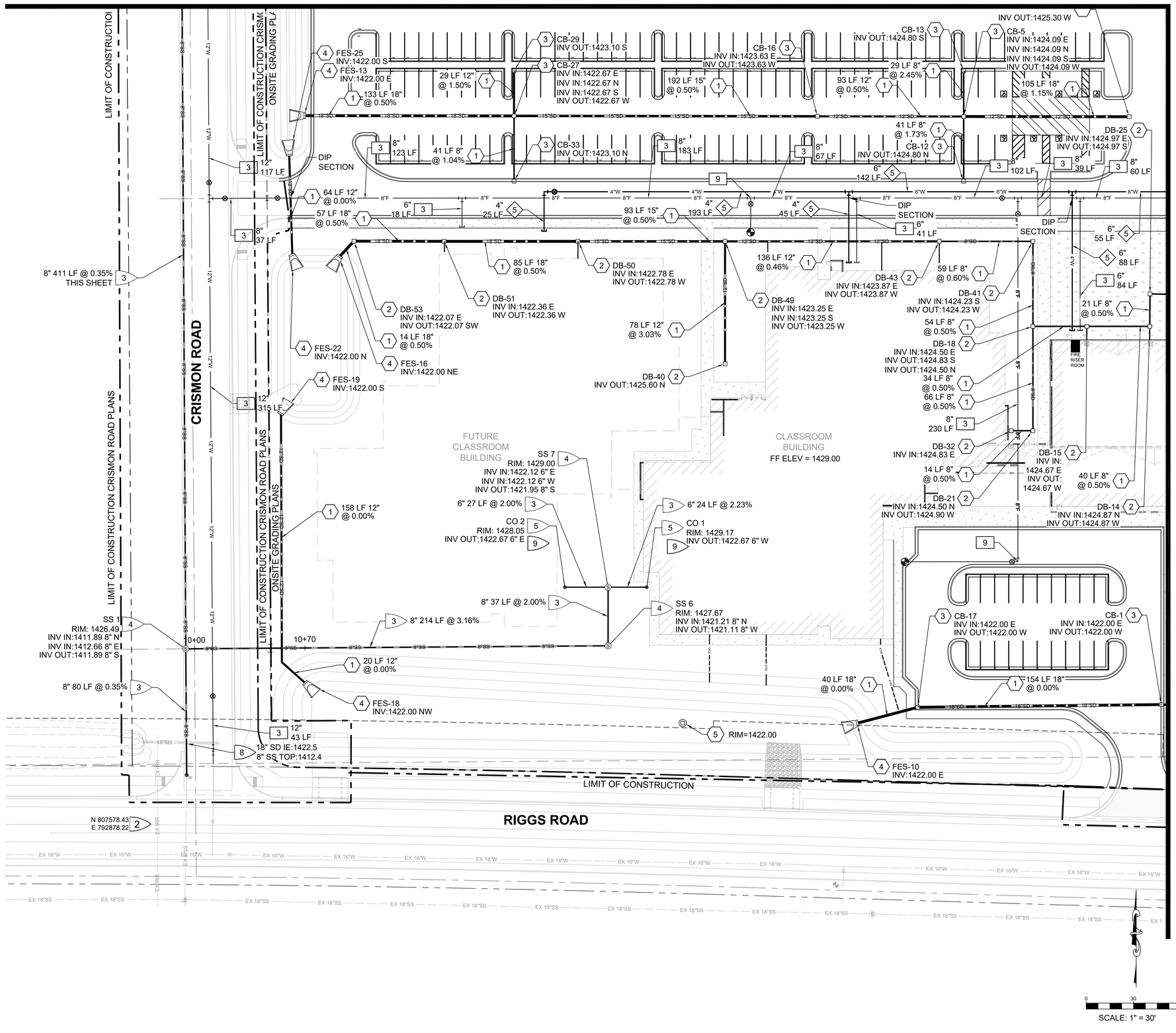
|---|---|
| DESIGNED: | JLP |
| DATE: | JUNE 30, 2021 |
| DRAWN: | SAW |
| PROJ. | 20-160 |
| SCALE: | 1" = 30' |

SEWER PLANS

DWG. NO.
C2-2.7

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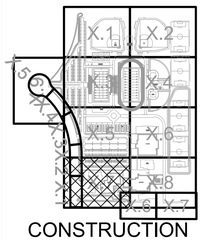


CONSTRUCTION DOCUMENTS

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REV.

QCUSD #3
UTILITY PLANS

RIGGS ROAD
QUEEN CREEK, AZ

| | |
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| DESIGNED: | JLP |
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| DRAWN: | TML |
| PROJ. | 20-160 |
| SCALE: | 1" = 30' |

UTILITY PLANS

DWG. NO.

C2-2.7

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MATCHLINE SEE SHEET C2-2.6

MATCHLINE SEE SHEET C2-2.7

FUTURE BUILDING

ADMIN BUILDING

FUTURE BUILDING

CO 5
RIM: 1429.12
INV OUT:1425.40 4" E
4" 34 LF @ 16.28% 3

8" 43 LF THIS SHEET @ 0.50% 3

SS 11
RIM: 1428.57
INV IN:1419.72 8" N
INV OUT:1419.72 8" S

8" 32 LF @ 0.50% 3

WYE 3
RIM: 1428.59
INV IN:1419.56 8" N
INV IN:1419.90 4" W
INV OUT:1419.56 8" S

8" 121 LF @ 0.50% 3

CO 8
RIM: 1429.43
INV OUT:1423.40 4" E

4" 79 LF @ 5.18% 3

WYE 5
RIM: 1428.63
INV IN:1418.96 8" N
INV IN:1419.30 4" W
INV OUT:1418.96 8" S

CO 4
RIM: 1429.70
INV OUT:1423.50 6" E

6" 150 LF @ 3.40% 3

WYE 2
RIM: 1428.68
INV IN:1418.22 8" N
INV IN:1418.39 6" W
INV OUT:1418.22 8" S

8" 120 LF @ 0.50% 3

SS 9
RIM: 1431.47
INV IN:1415.95 8" W
INV OUT:1415.85 8" S

8" 312 LF @ 0.50% 3

SS 10
RIM: 1428.72
INV IN:1417.62 8" N
INV OUT:1417.52 8" E

8" 29 LF @ 0.50% 3

EX CO 1
INV IN:1415.70 8" N

LIMIT OF CONSTRUCTION ONSITE GRADING PLANS

LIMIT OF CONSTRUCTION ONSITE GRADING PLANS

LIMIT OF CONSTRUCTION RIGGS ROAD PLANS

LIMIT OF CONSTRUCTION RIGGS ROAD PLANS

RIGGS ROAD

S 220TH STREET

LIMIT OF CONSTRUCTION

SCALE: 1" = 30'

0 30 60 Feet

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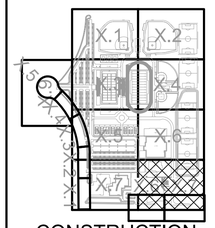


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SEWER PLANS

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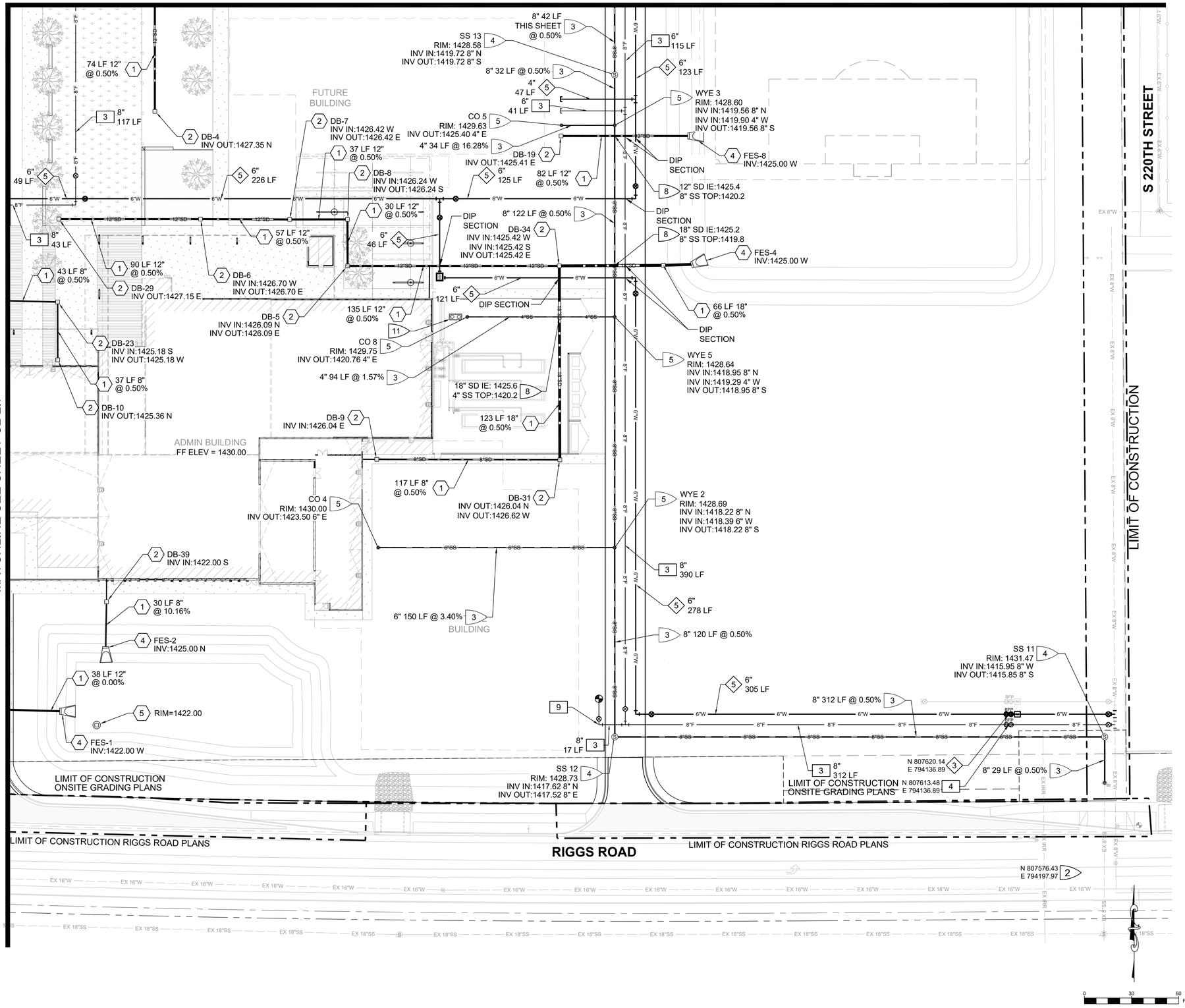


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5. INSTALL NEW MAXWELL PLUS DRYWELL BY TORRENT RESOURCES.

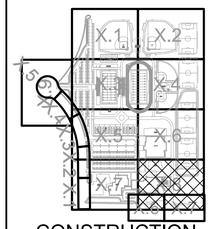
## WATER KEYNOTES

5. INSTALL PVC WATERLINE (SCHEDULE 80 AND 36" MINIMUM COVER) WITH 12 AWG TRACER WIRE PER THE IPC. SIZE AND LENGTH AS INDICATED ON PLANS. INSTALL JOINT RESTRAINTS PER TOQC STD. DTL. QW502-1 AND/OR MANUFACTURERS REQUIREMENTS. TRENCH EXCAVATION BACKFILL AND COMPACTION PER TOQC STD. DTL. QW606.

## FIRE KEYNOTES

3. INSTALL C900 PVC WATER LINE, SIZE AS NOTED. LENGTH AS INDICATED ON PLANS.
4. INSTALL DOUBLE CHECK DETECTOR ASSEMBLY, SIZE AS NOTED PER TOQC STD. DTL. QW409.
9. INSTALL FIRE HYDRANT ASSEMBLY COMPLETE WITH VALVE PER TOQC STD. DTL. QW201. HYDRANT SERVICE LINE SHALL BE 6" DIP PIPE WITH ALL JOINTS FORM MAINLINE TO HYDRANT RESTRAINED.

LLOYD SPORTS + ENGINEERING
7349 N. VIA PASEO DEL SUR
SUITE 515-324
SCOTTSDALE, ARIZONA 85258
PH 602.635.4226




CONSTRUCTION DOCUMENTS

PRELIMINARY NOT FOR CONSTRUCTION

REV.

QCUSD #3
UTILITY PLANS

RIGGS ROAD
QUEEN CREEK, AZ

| | |
|---|---|
| DESIGNED: | JLP |
| DATE: | JUNE 30, 2021 |
| DRAWN: | TML |
| PROJ. | 20-160 |
| SCALE: | 1" = 30' |

UTILITY PLANS

DWG. NO.

C2-2.8

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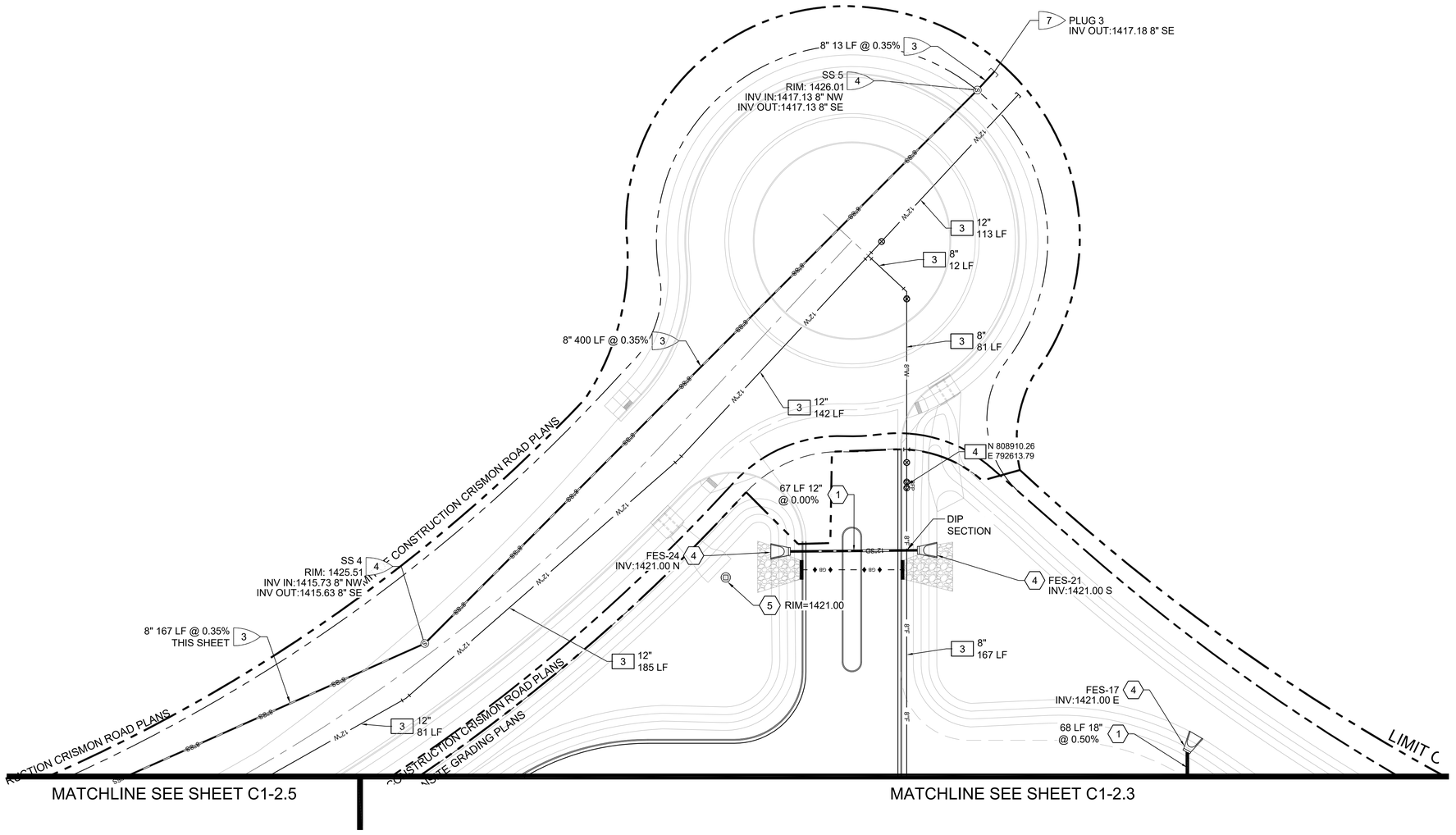


## SEWER KEYNOTES

1. CONTRACTOR TO POTHOLE AND VERIFY LOCATION, SIZE AND INVERT OF EXISTING WATER LINE OR STUB PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES.
2. REMOVE PLUG AND CONNECT TO EXISTING 8" SEWER STUB.
3. INSTALL PVC SDR 35 (SIZE AS NOTED) SEWER PIPE, PER TRENCH AND BACKFILL DETAIL PER TOQC STD. DTL. QS442. LENGTH AND SLOPE PER PLAN.
4. INSTALL 5' DIAMETER PRECAST MANHOLE PER TOQC STD. DTL. QS420 WITH MANHOLE COVER FRAME ADJUSTMENT PER TOQC STD. DTL. QS421 AND 30" COVER PER TOQC STD. DTL. QS422.
5. INSTALL SEWER CLEANOUT PER TOQC STD. DTL. QS425.
6. INSTALL SEWER SERVICE LATERAL PER TOQC STD. DTL. QS430.
7. INSTALL SEWER STUB OUT AND PLUG PER TOQC STD. DTL. QS441.
8. MAINTAIN CLEARANCE AT SEWER, STORMWATER, AND WATER CROSSING PER MAG STD. DTL. 404.
9. SEE PLUMBING PLANS FOR CONTINUATION AND CONNECTION TO BUILDING.
10. CONCRETE ENCASEMENT PER MAG STD. DTL. 404-3.
11. INSTALL ___ GALLON PRECAST GREASE INTERCEPTOR.

## ADDITIONAL SEWER NOTES

1. A THOROUGH ATTEMPT HAS BEEN MADE TO SHOW THE LOCATIONS OF ALL EXISTING UNDERGROUND OBSTRUCTIONS AND UTILITY LINE IN THE WORK AREA. HOWEVER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO OBSTRUCTIONS AND UTILITY LINES ENCOUNTERED DURING THE CONSTRUCTION AND SHALL DETERMINE THE EXACT LOCATION OF ALL THE EXISTING UTILITIES PRIOR TO CONSTRUCTION.
2. ALL SEWER MUST COMPLY WITH MARICOPA COUNTY SPECIFICATIONS PART AND 2012 UNIFORM PLUMBING CODE.
3. ALL MANHOLES, CLEANOUTS, CATCH BASINS, VALVES AND METER BOXES WILL BE SET TO SUBGRADE DURING THIS PHASE. ALL STRUCTURES WILL NEED TO BE ADJUSTED TO FINISH GRADE DURING FINE GRADING.
4. ALL INVERTS ARE PRELIMINARY, TO BE REVISED IN FINAL DESIGN

## SEWER LEGEND

- SS — PVC SDR 35 SEWER PIPE
- Ⓢ — SANITARY SEWER MANHOLE
- ● — SANITARY SEWER CLEANOUT

## DRAINAGE KEYNOTES

1. INSTALL NEW HDPE ADS N-12 STORM DRAIN PIPE PER MANUFACTURER'S SPECIFICATIONS, OR APPROVED EQUAL. SIZE AND SLOPE PER PLAN.
2. INSTALL NEW ADS NYLOPLAST DRAIN BASIN WITH 12" PEDESTRIAN RATED GRATE BY ADS OR APPROVED EQUAL.
3. INSTALL NEW CATCH BASIN "TYPE G" PER MAG STD. DTL. 537- SINGLE GRATE.
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5. INSTALL NEW MAXWELL PLUS DRYWELL BY TORRENT RESOURCES.

## WATER KEYNOTES

5. INSTALL PVC WATERLINE (SCHEDULE 80 AND 36" MINIMUM COVER) WITH 12 AWG TRACER WIRE PER THE IPC. SIZE AND LENGTH AS INDICATED ON PLANS. INSTALL JOINT RESTRAINTS PER TOQC STD. DTL. QW502-1 AND/OR MANUFACTURERS REQUIREMENTS. TRENCH EXCAVATION BACKFILL AND COMPACTION PER TOQC STD. DTL. QW606.

## FIRE KEYNOTES

3. INSTALL C900 PVC WATER LINE, SIZE AS NOTED. LENGTH AS INDICATED ON PLANS.
4. INSTALL DOUBLE CHECK DETECTOR ASSEMBLY, SIZE AS NOTED PER TOQC STD. DTL. QW409.
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0 30 60 Feet
SCALE: 1" = 30'

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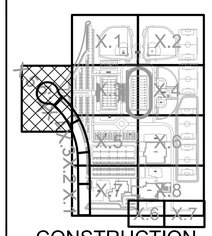


CONSTRUCTION DOCUMENTS

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QCUSD #3
UTILITY PLANS

RIGGS ROAD
QUEEN CREEK, AZ

| | |
|---|---|
| DESIGNED: | JLP |
| DATE: | JUNE 30, 2021 |
| DRAWN: | TML |
| PROJ. | 20-160 |
| SCALE: | 1" = 30' |

UTILITY PLANS

DWG. NO.

C2-2.9

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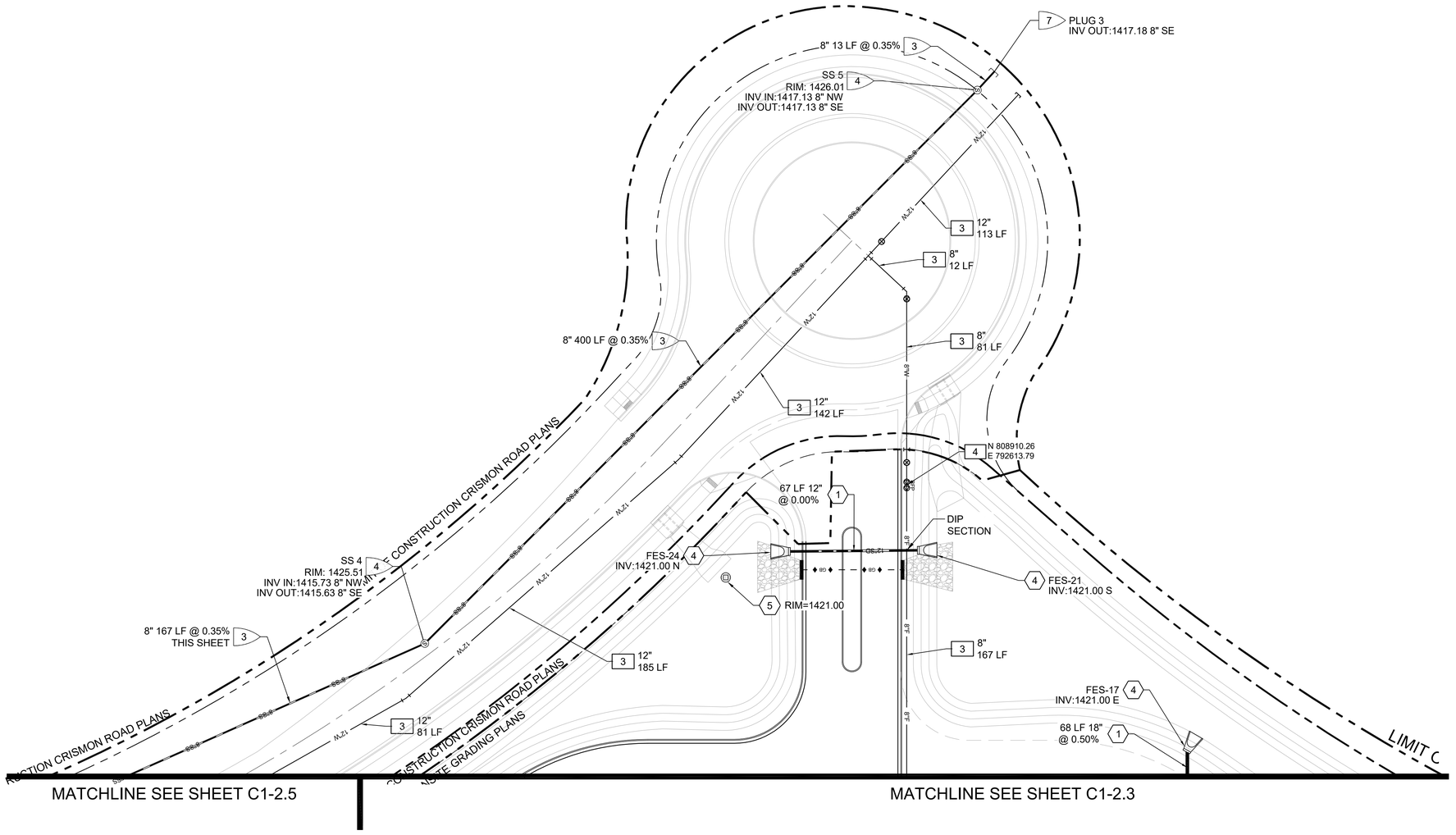


## SEWER KEYNOTES

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## SEWER LEGEND

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## DRAINAGE KEYNOTES

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0 30 60 Feet
SCALE: 1" = 30'

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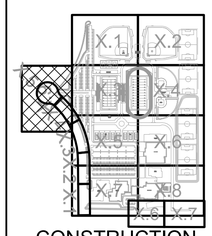


CONSTRUCTION DOCUMENTS

PRELIMINARY NOT FOR CONSTRUCTION

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QCUSD #3
UTILITY PLANS

RIGGS ROAD
QUEEN CREEK, AZ

| | |
|---|---|
| DESIGNED: | JLP |
| DATE: | JUNE 30, 2021 |
| DRAWN: | TML |
| PROJ. | 20-160 |
| SCALE: | 1" = 30' |

UTILITY PLANS

DWG. NO.

C2-2.9

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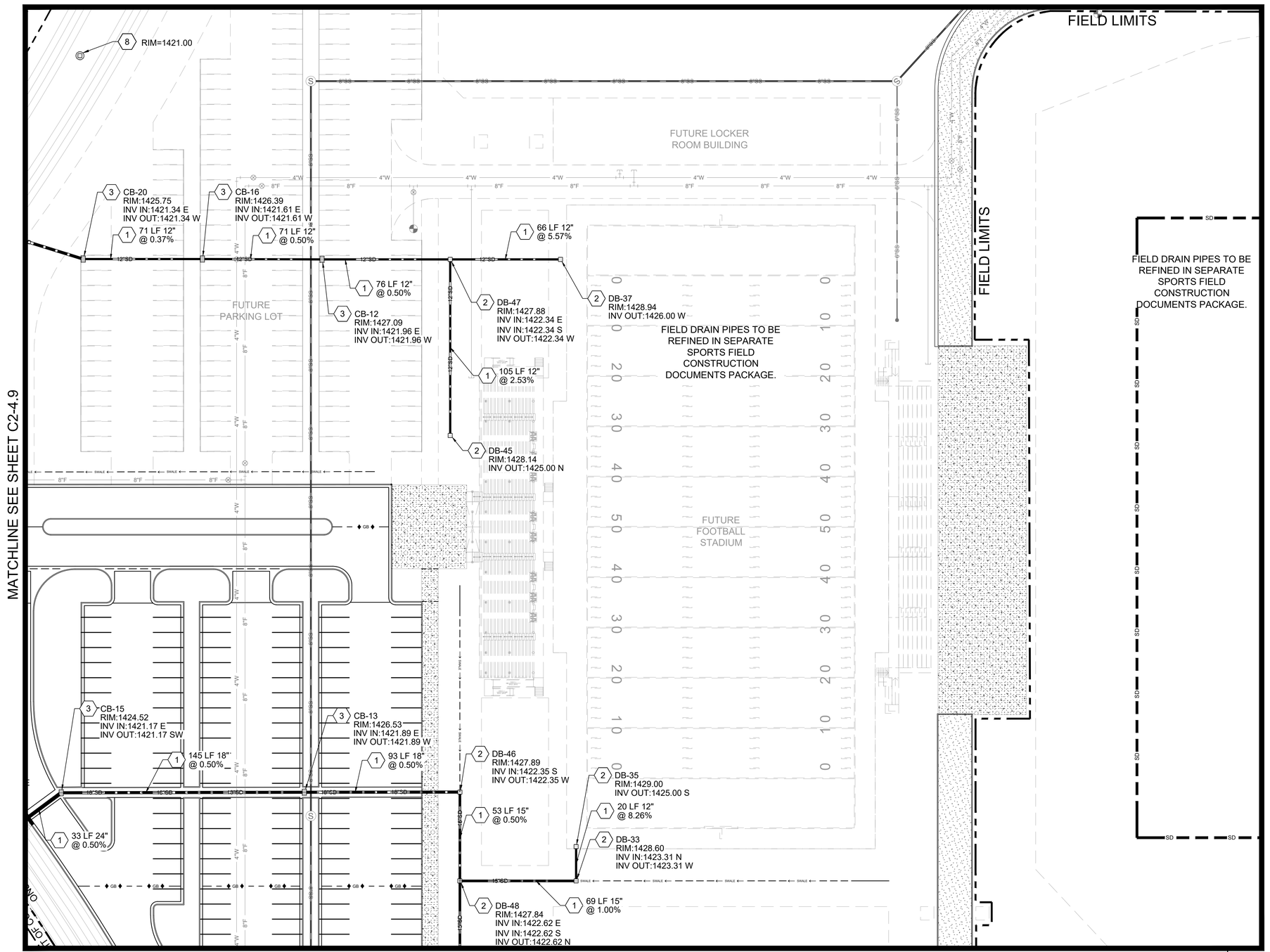


## DRAINAGE KEYNOTES

1. INSTALL HDPE ADS N-12 STORM DRAIN PIPE PER MANUFACTURER'S SPECIFICATIONS, OR APPROVED QUAL. SIZE AND SLOPE PER PLAN.
2. INSTALL ADS NYLOPLAST IN-LIN DRAIN BASIN WITH 12" PEDESTRIAN RATED GRATE BY ADS OR APPROVED EQUAL PER DETAILS XX ON SHEETS XX. INSTALL CONNECTIONS VIA ADS PRE-FORMED BEND OR INSERTA-TEE.
3. INSTALL SINGLE CATCH BASIN PER MAG STD. DTL. 535 TYPE 'F'.
4. INSTALL CURB INLET CATCH BASIN PER MAG STD. DTL. 534-1 TYPE 'E'. INSTALL GRATE PER MAG STD. DTL. 534-2.
5. INSTALL HDPE ADS N-12 FLARED END SECTION. SIZE AND INVERTS PER PLANS. RIPRAP SPLASHPAD AT BASIN BOTTOM PER DETAIL XX ON SHEET XX.
6. INSTALL RIPRAP SPILLWAY AT BASE OF ROOF DRAIN DOWNSPOUT OUTLET, PIPE, OR CURB-O-LET PER DETAIL XX ON SHEET XX.
7. MAINTAIN SEPARATION AT STORM/SANITARY SEWER/WATER LINE CROSSING PER MAG STD. DTL. 404.
8. INSTALL MAXWELL PLUS DRYWELL BY TORRENT RESOURCES PER DETAIL XX ON SHEET XX.
9. INSTALL ACO H100SK-10 TRENCH DRAIN WITH PEDESTRIAN RATED IRON GRATE OR APPROVED EQUAL PER DETAIL XX ON SHEET XX. LENGTH OF DRAIN PER PLAN.
10. CONSTRUCT WATERTIGHT MASONRY PLUG PER MAG STD. DTL 427, DRAIN LINE TYPE.
11. INSTALL CURB-O-LET FLAT DRAIN SYSTEM UNDER SIDEWALK. DAYLIGHT AT FACE OF SIDEWALK AND DIRECT TO RIPRAP SWALE. SEE DETAILS XX ON SHEET XX.
12. INSTALL CAP AT END OF STORM DRAIN PIPE FOR FUTURE CONNECTION. SIZE AND INVERT PER PLAN.
13. CONNECT PIPE LATERAL TO MAINLINE INSTALL PREFABRICATED BEND OR INSERTA-TEE IN PIPE, SIZE AND INVERT PER PLAN, AND .
14. CONNECT ROOF DRAIN LEADER FROM BUILDING TO PIPE, INVERT AND SIZE PER PLAN.
15. INSTALL ADS NYLOPLAST IN-LINE DRAIN BASIN 1/2" BELOW RIM ELEVATION SHOWN IN SYNTHETIC TURF WITH 12" PEDESTRIAN RATED GRATE BY ADS OR APPROVED EQUAL PER DETAILS XX ON SHEETS XX. INSTALL CONNECTIONS VIA ADS PRE-FORMED BEND OR INSERTA-TEE.

## LEGEND:

- LIMITS OF CONSTRUCTION
- CHDPE STORM DRAIN PIPE
- ROOF DRAIN LEADER
- HIGH WATER LEVEL
- DRYWELL
- CATCH BASIN
- ROOF DRAIN CONNECTION
- FLARED END SECTION
- RIPRAP
- FF FINISHED FLOOR
- ELEV ELEVATION
- INV INVERT
- TOP TOP OF PIPE
- LF LINEAR FOOT
- DB INLINE DRAIN BASIN
- CB CONCRETE CATCH BASIN
- RD ROOF DRAIN CONNECTION

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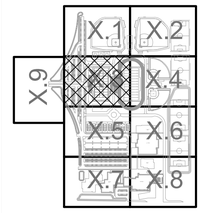


CONSTRUCTION DOCUMENTS

PRELIMINARY NOT FOR CONSTRUCTION

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QCUSD #3
ON-SITE PLANS

RIGGS ROAD
QUEEN CREEK, AZ

| | |
|---|---|
| DESIGNED: | JLP |
| DATE: | JUNE 30, 2021 |
| DRAWN: | SAW |
| PROJ. | 20-160 |
| SCALE: | 1" = 30' |

STORM DRAIN PLANS

DWG. NO.

C2-4.3

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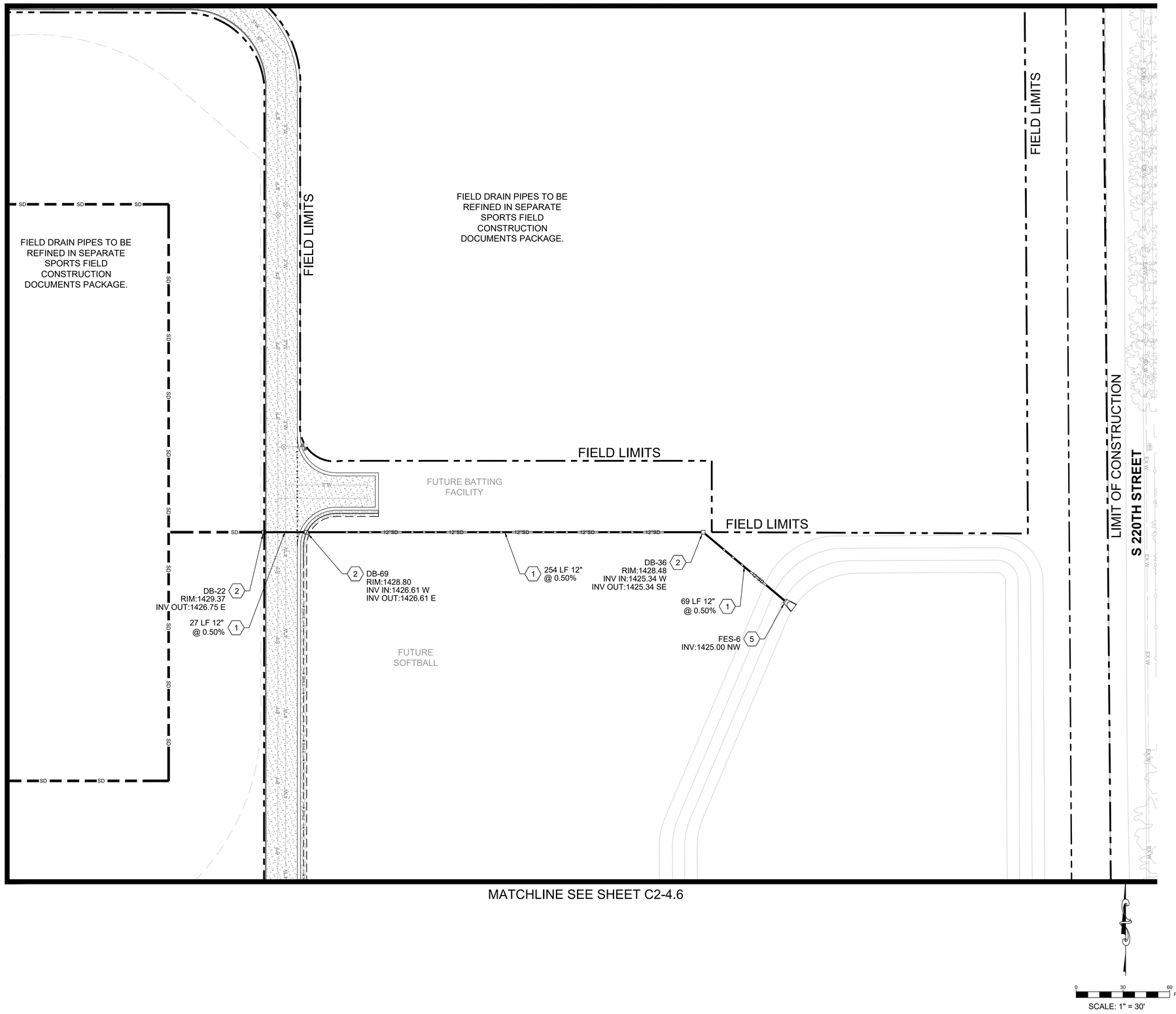


## DRAINAGE KEYNOTES

1. INSTALL HDPE ADS N-12 STORM DRAIN PIPE PER MANUFACTURER'S SPECIFICATIONS, OR APPROVED QUAL. SIZE AND SLOPE PER PLAN.
2. INSTALL ADS NYLOPLAST IN-LIN DRAIN BASIN WITH 12" PEDESTRIAN RATED GRATE BY ADS OR APPROVED EQUAL PER DETAILS XX ON SHEETS XX. INSTALL CONNECTIONS VIA ADS PRE-FORMED BEND OR INSERTA-TEE.
3. INSTALL SINGLE CATCH BASIN PER MAG STD. DTL. 535 TYPE 'F'.
4. INSTALL CURB INLET CATCH BASIN PER MAG STD. DTL. 534-1 TYPE 'E'. INSTALL GRATE PER MAG STD. DTL. 534-2.
5. INSTALL HDPE ADS N-12 FLARED END SECTION. SIZE AND INVERTS PER PLANS. RIPRAP SPLASHPAD AT BASIN BOTTOM PER DETAIL XX ON SHEET XX.
6. INSTALL RIPRAP SPILLWAY AT BASE OF ROOF DRAIN DOWNSPOUT OUTLET, PIPE, OR CURB-O-LET PER DETAIL XX ON SHEET XX.
7. MAINTAIN SEPARATION AT STORM/SANITARY SEWER/WATER LINE CROSSING PER MAG STD. DTL. 404.
8. INSTALL MAXWELL PLUS DRYWELL BY TORRENT RESOURCES PER DETAIL XX ON SHEET XX.
9. INSTALL ACO H100SK-10 TRENCH DRAIN WITH PEDESTRIAN RATED IRON GRATE OR APPROVED EQUAL PER DETAIL XX ON SHEET XX. LENGTH OF DRAIN PER PLAN.
10. CONSTRUCT WATERTIGHT MASONRY PLUG PER MAG STD. DTL 427, DRAIN LINE TYPE.
11. INSTALL CURB-O-LET FLAT DRAIN SYSTEM UNDER SIDEWALK. DAYLIGHT AT FACE OF SIDEWALK AND DIRECT TO RIPRAP SWALE. SEE DETAILS XX ON SHEET XX.
12. INSTALL CAP AT END OF STORM DRAIN PIPE FOR FUTURE CONNECTION. SIZE AND INVERT PER PLAN.
13. CONNECT PIPE LATERAL TO MAINLINE INSTALL PREFABRICATED BEND OR INSERTA-TEE IN PIPE, SIZE AND INVERT PER PLAN, AND .
14. CONNECT ROOF DRAIN LEADER FROM BUILDING TO PIPE, INVERT AND SIZE PER PLAN.
15. INSTALL ADS NYLOPLAST IN-LINE DRAIN BASIN 1/2" BELOW RIM ELEVATION SHOWN IN SYNTHETIC TURF WITH 12" PEDESTRIAN RATED GRATE BY ADS OR APPROVED EQUAL PER DETAILS XX ON SHEETS XX. INSTALL CONNECTIONS VIA ADS PRE-FORMED BEND OR INSERTA-TEE.

## LEGEND:

- LIMITS OF CONSTRUCTION
- CHDPE STORM DRAIN PIPE
- ROOF DRAIN LEADER
- HIGH WATER LEVEL
- DRYWELL
- CATCH BASIN
- ROOF DRAIN CONNECTION
- FLARED END SECTION
- RIPRAP
- FF — FINISHED FLOOR
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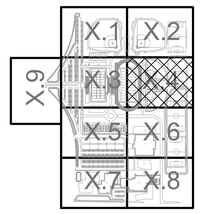


CONSTRUCTION DOCUMENTS

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QCUSD #3
ON-SITE PLANS

RIGGS ROAD
QUEEN CREEK, AZ

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|---|---|
| DESIGNED: | JLP |
| DATE: | JUNE 30, 2021 |
| DRAWN: | SAW |
| PROJ. | 20-160 |
| SCALE: | 1" = 30' |

STORM DRAIN PLANS

DWG. NO.

C2-4.4

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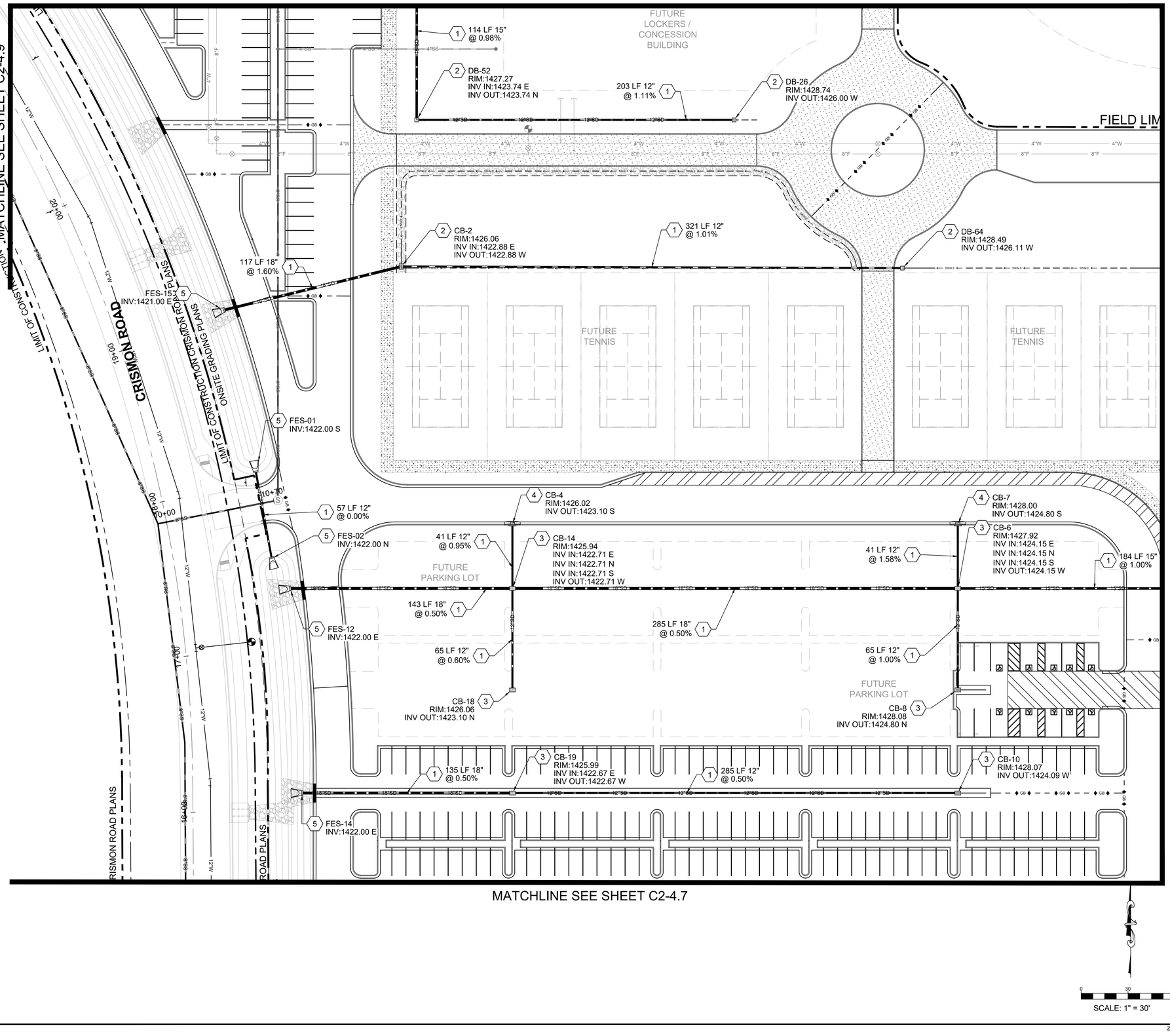


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- ROOF DRAIN LEADER
- HIGH WATER LEVEL
- DRYWELL
- CATCH BASIN
- ROOF DRAIN CONNECTION
- FLARED END SECTION
- RIPRAP
- FF FINISHED FLOOR
- ELEV ELEVATION
- INV INVERT
- TOP TOP OF PIPE
- LF LINEAR FOOT
- DB INLINE DRAIN BASIN
- CB CONCRETE CATCH BASIN
- RD ROOF DRAIN CONNECTION

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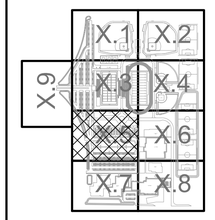
PH 602.635.4226




CONSTRUCTION DOCUMENTS

PRELIMINARY NOT FOR CONSTRUCTION

| REV. |
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QCUSD #3
ON-SITE PLANS

RIGGS ROAD
QUEEN CREEK, AZ

| | |
|---|---|
| DESIGNED: | JLP |
| DATE: | JUNE 30, 2021 |
| DRAWN: | SAW |
| PROJ. | 20-160 |
| SCALE: | 1" = 30' |

STORM DRAIN PLANS

DWG. NO.

C2-4.5

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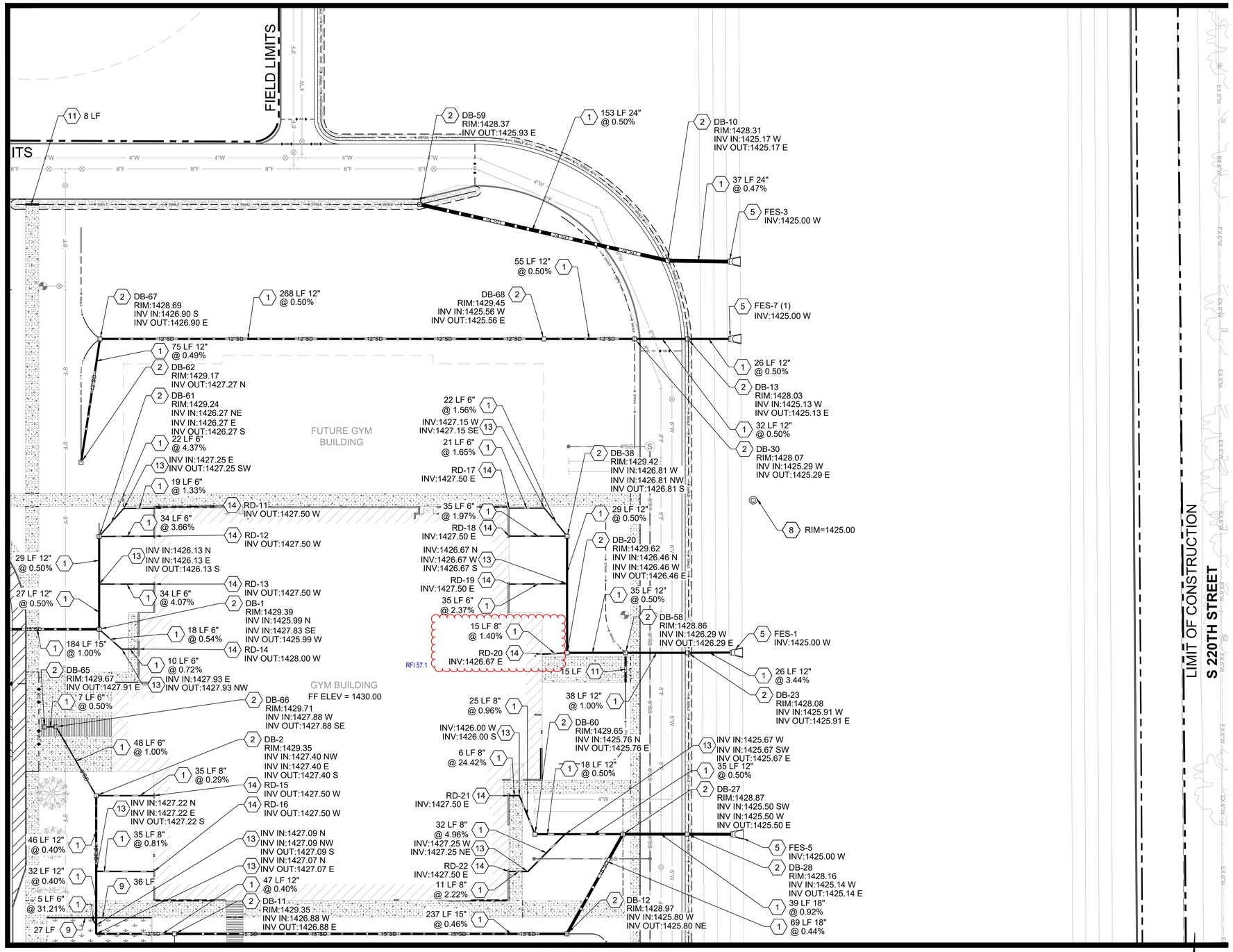
ARIZONA811 BLUE STAKE, INC.
Call 811 or click Arizona811.com



XREF: none

MATCHLINE SEE SHEET C2-4.4




MATCHLINE SEE SHEET C2-4.5

MATCHLINE SEE SHEET C2-4.8

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## DRAINAGE KEYNOTES

1. INSTALL HDPE ADS N-12 STORM DRAIN PIPE PER MANUFACTURER'S SPECIFICATIONS, OR APPROVED QUAL. SIZE AND SLOPE PER PLAN.
2. INSTALL ADS NYLOPLAST IN-LIN DRAIN BASIN WITH 12" PEDESTRIAN RATED GRATE BY ADS OR APPROVED EQUAL PER DETAILS XX ON SHEETS XX. INSTALL CONNECTIONS VIA ADS PRE-FORMED BEND OR INSERTA-TEE.
3. INSTALL SINGLE CATCH BASIN PER MAG STD. DTL. 535 TYPE 'F'.
4. INSTALL CURB INLET CATCH BASIN PER MAG STD. DTL. 534-1 TYPE 'E'. INSTALL GRATE PER MAG STD. DTL. 534-2.
5. INSTALL HDPE ADS N-12 FLARED END SECTION. SIZE AND INVERTS PER PLANS. RIPRAP SPLASHPAD AT BASIN BOTTOM PER DETAIL XX ON SHEET XX.
6. INSTALL RIPRAP SPILLWAY AT BASE OF ROOF DRAIN DOWNSPOUT OUTLET, PIPE, OR CURB-O-LET PER DETAIL XX ON SHEET XX.
7. MAINTAIN SEPARATION AT STORM/SANITARY SEWER/WATER LINE CROSSING PER MAG STD. DTL. 404.
8. INSTALL MAXWELL PLUS DRYWELL BY TORRENT RESOURCES PER DETAIL XX ON SHEET XX.
9. INSTALL ACO H100SK-10 TRENCH DRAIN WITH PEDESTRIAN RATED IRON GRATE OR APPROVED EQUAL PER DETAIL XX ON SHEET XX. LENGTH OF DRAIN PER PLAN.
10. CONSTRUCT WATERTIGHT MASONRY PLUG PER MAG STD. DTL 427, DRAIN LINE TYPE.
11. INSTALL CURB-O-LET FLAT DRAIN SYSTEM UNDER SIDEWALK. DAYLIGHT AT FACE OF SIDEWALK AND DIRECT TO RIPRAP SWALE. SEE DETAILS XX ON SHEET XX.
12. INSTALL CAP AT END OF STORM DRAIN PIPE FOR FUTURE CONNECTION. SIZE AND INVERT PER PLAN.
13. CONNECT PIPE LATERAL TO MAINLINE INSTALL PREFABRICATED BEND OR INSERTA-TEE IN PIPE, SIZE AND INVERT PER PLAN, AND .
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## LEGEND:

- LIMITS OF CONSTRUCTION
- CHDPE STORM DRAIN PIPE
- ROOF DRAIN LEADER
- HIGH WATER LEVEL
- DRYWELL
- CATCH BASIN
- ROOF DRAIN CONNECTION
- FLARED END SECTION
- RIPRAP
- FF FINISHED FLOOR
- ELEV ELEVATION
- INV INVERT
- TOP TOP OF PIPE
- LF LINEAR FOOT
- DB INLINE DRAIN BASIN
- CB CONCRETE CATCH BASIN
- RD ROOF DRAIN CONNECTION

0 30 60 Feet

SCALE: 1" = 30'

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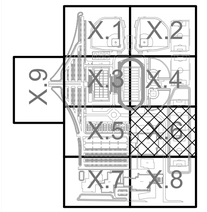
SUITE 515-324
SCOTTSDALE, ARIZONA 85258
PH 602.635.4226




CONSTRUCTION DOCUMENTS

PRELIMINARY NOT FOR CONSTRUCTION

REV.

QCUSD #3
ON-SITE PLANS

RIGGS ROAD
QUEEN CREEK, AZ

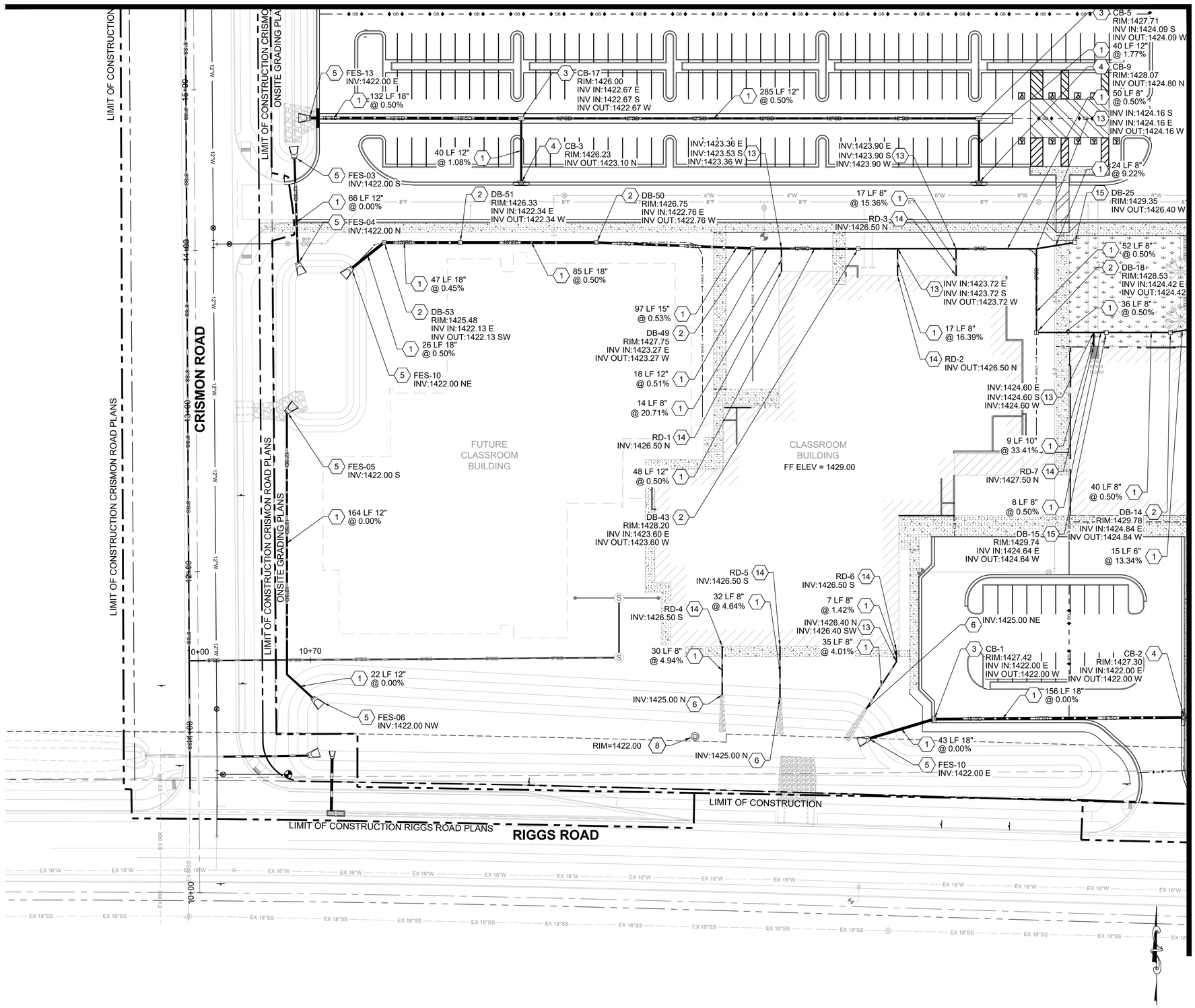
| | |
|---|---|
| DESIGNED: | JLP |
| DATE: | JUNE 30, 2021 |
| DRAWN: | SAW |
| PROJ. | 20-160 |
| SCALE: | 1" = 30' |

STORM DRAIN PLANS

DWG. NO.

C2-4.6

Contact Arizona 811 at least two full working days before you begin excavation
ARIZONA811
Call 811 or click Arizona811.com




## DRAINAGE KEYNOTES

1. INSTALL HDPE ADS N-12 STORM DRAIN PIPE PER MANUFACTURER'S SPECIFICATIONS, OR APPROVED QUAL. SIZE AND SLOPE PER PLAN.
2. INSTALL ADS NYLOPLAST IN-LIN DRAIN BASIN WITH 12" PEDESTRIAN RATED GRATE BY ADS OR APPROVED EQUAL PER DETAILS XX ON SHEETS XX. INSTALL CONNECTIONS VIA ADS PRE-FORMED BEND OR INSERTA-TEE.
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4. INSTALL CURB INLET CATCH BASIN PER MAG STD. DTL. 534-1 TYPE 'E'. INSTALL GRATE PER MAG STD. DTL. 534-2.
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6. INSTALL RIPRAP SPILLWAY AT BASE OF ROOF DRAIN DOWNSPOUT OUTLET, PIPE, OR CURB-O-LET PER DETAIL XX ON SHEET XX.
7. MAINTAIN SEPARATION AT STORM/SANITARY SEWER/WATER LINE CROSSING PER MAG STD. DTL. 404.
8. INSTALL MAXWELL PLUS DRYWELL BY TORRENT RESOURCES PER DETAIL XX ON SHEET XX.
9. INSTALL ACO H100SK-10 TRENCH DRAIN WITH PEDESTRIAN RATED IRON GRATE OR APPROVED EQUAL PER DETAIL XX ON SHEET XX. LENGTH OF DRAIN PER PLAN.
10. CONSTRUCT WATERTIGHT MASONRY PLUG PER MAG STD. DTL 427, DRAIN LINE TYPE.
11. INSTALL CURB-O-LET FLAT DRAIN SYSTEM UNDER SIDEWALK. DAYLIGHT AT FACE OF SIDEWALK AND DIRECT TO RIPRAP SWALE. SEE DETAILS XX ON SHEET XX.
12. INSTALL CAP AT END OF STORM DRAIN PIPE FOR FUTURE CONNECTION. SIZE AND INVERT PER PLAN.
13. CONNECT PIPE LATERAL TO MAINLINE INSTALL PREFABRICATED BEND OR INSERTA-TEE IN PIPE, SIZE AND INVERT PER PLAN, AND .
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- LIMITS OF CONSTRUCTION
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- DB INLINE DRAIN BASIN
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SCOTTSDALE, ARIZONA 85258
PH 602.635.4226

X.1 X.2 X.3 X.4 X.5 X.6 X.7 X.8 X.9

CONSTRUCTION DOCUMENTS

PRELIMINARY NOT FOR CONSTRUCTION

| REV. |
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QCUSD #3
ON-SITE PLANS

RIGGS ROAD
QUEEN CREEK, AZ

| | |
|---|---|
| DESIGNED: | JLP |
| DATE: | JUNE 30, 2021 |
| DRAWN: | SAW |
| PROJ. | 20-160 |
| SCALE: | 1" = 30' |

STORM DRAIN PLANS

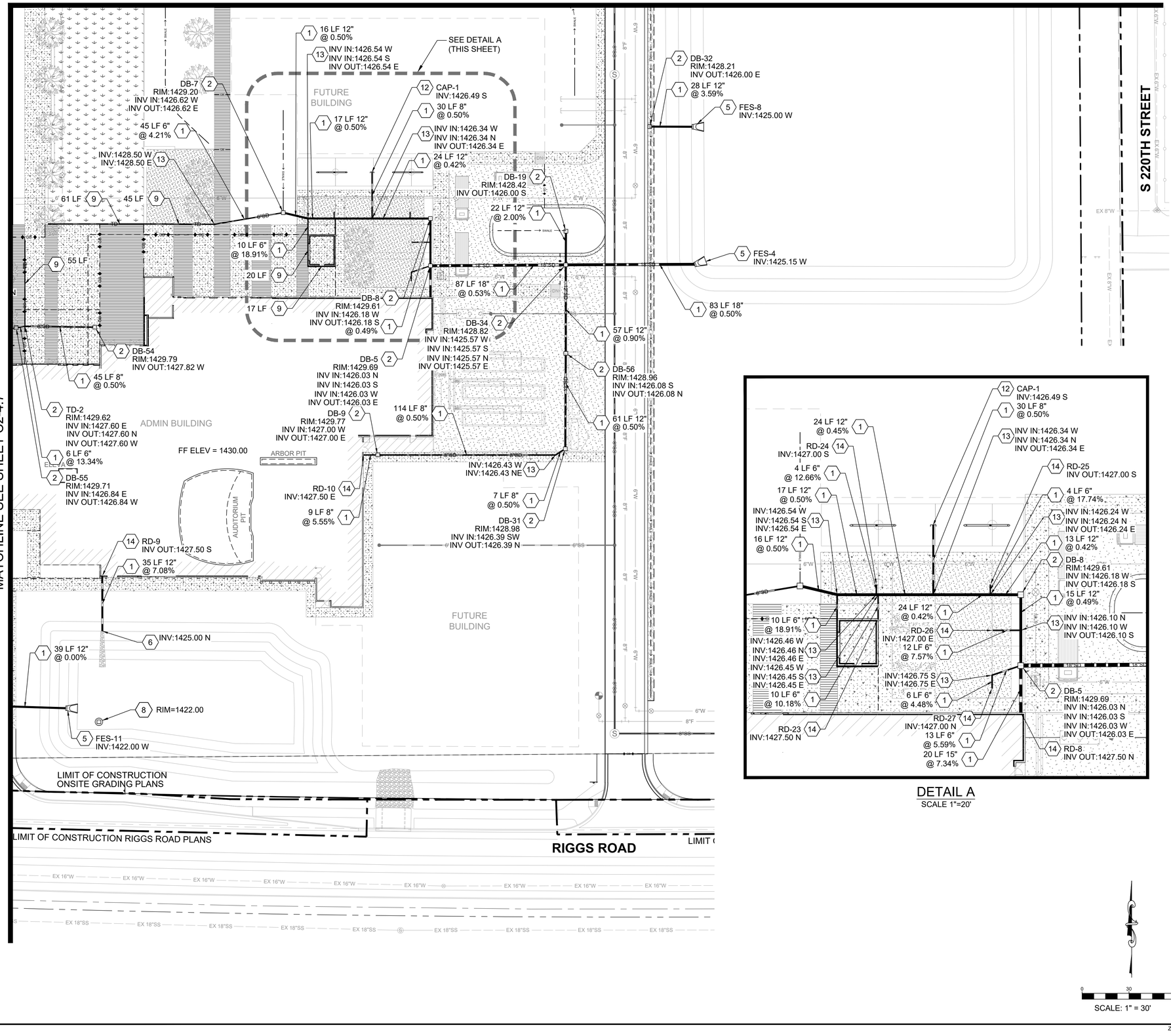
DWG. NO.

C2-4.7

Contact Arizona 811 at least two full working days before you begin excavation
Call 811 or click Arizona811.com

MATCHLINE SEE SHEET C2-4.6

MATCHLINE SEE SHEET C2-4.7







DETAIL A
SCALE 1"=20'

SCALE: 1" = 30'

## DRAINAGE KEYNOTES

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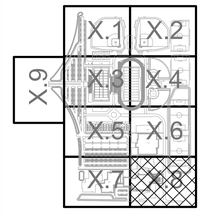


CONSTRUCTION DOCUMENTS

PRELIMINARY NOT FOR CONSTRUCTION

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QCUSD #3
ON-SITE PLANS

RIGGS ROAD
QUEEN CREEK, AZ

| | |
|---|---|
| DESIGNED: | JLP |
| DATE: | JUNE 30, 2021 |
| DRAWN: | SAW |
| PROJ. | 20-160 |
| SCALE: | 1" = 30' |

STORM DRAIN PLANS

DWG. NO.

C2-4.8

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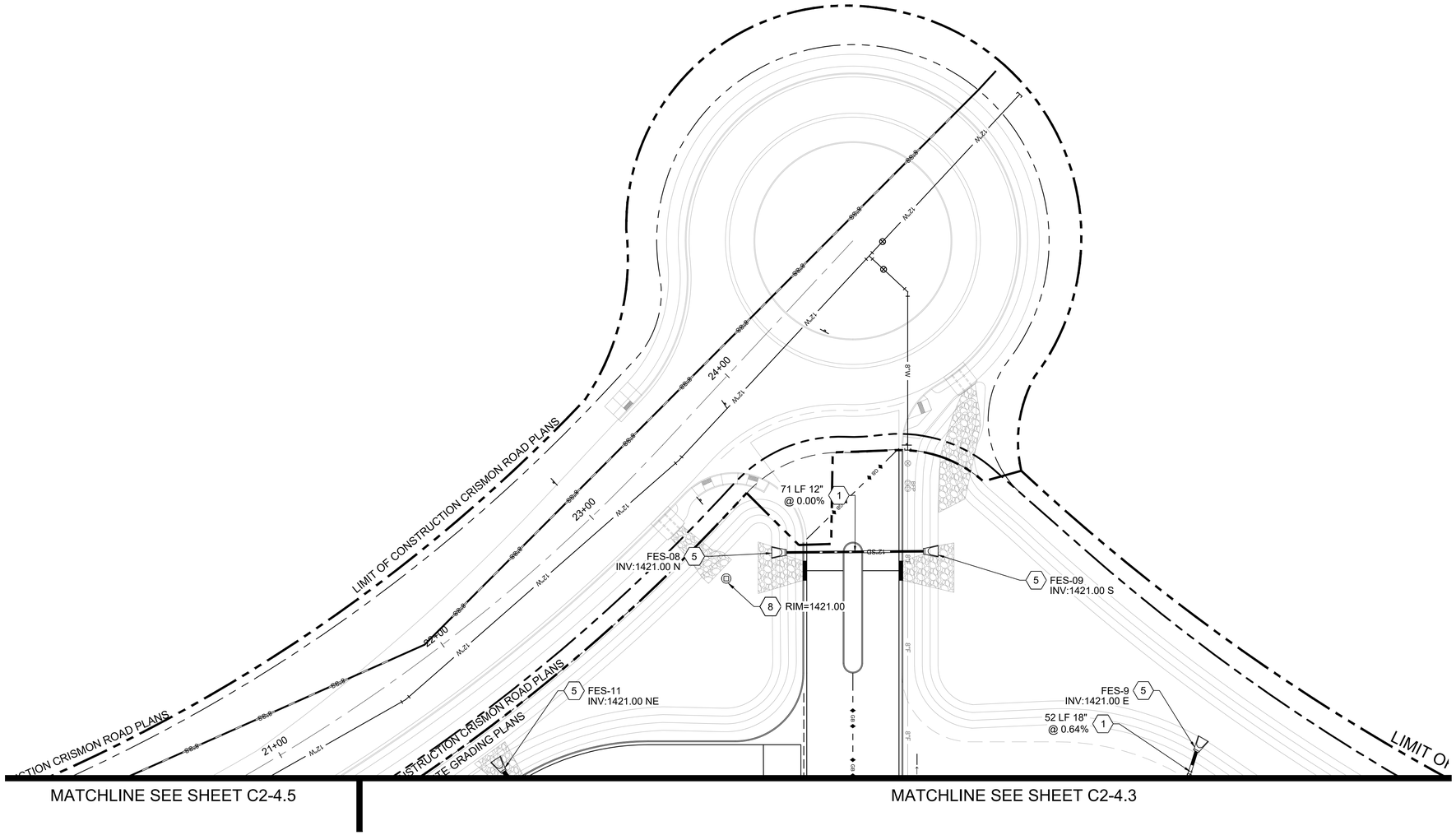


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## LEGEND:

- LIMITS OF CONSTRUCTION
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- ROOF DRAIN LEADER
- HIGH WATER LEVEL
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- CATCH BASIN
- ROOF DRAIN CONNECTION
- FLARED END SECTION
- RIPRAP
- FF FINISHED FLOOR
- ELEV ELEVATION
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- TOP TOP OF PIPE
- LF LINEAR FOOT
- DB INLINE DRAIN BASIN
- CB CONCRETE CATCH BASIN
- RD ROOF DRAIN CONNECTION

SCALE: 1" = 30'

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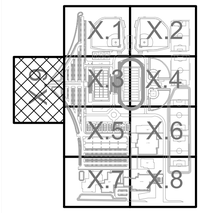


CONSTRUCTION DOCUMENTS

PRELIMINARY NOT FOR CONSTRUCTION

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QCUSD #3
ON-SITE PLANS

RIGGS ROAD
QUEEN CREEK, AZ

| | |
|---|---|
| DESIGNED: | JLP |
| DATE: | JUNE 30, 2021 |
| DRAWN: | SAW |
| PROJ. | 20-160 |
| SCALE: | 1" = 30' |

STORM DRAIN PLANS

DWG. NO.

C2-4.9

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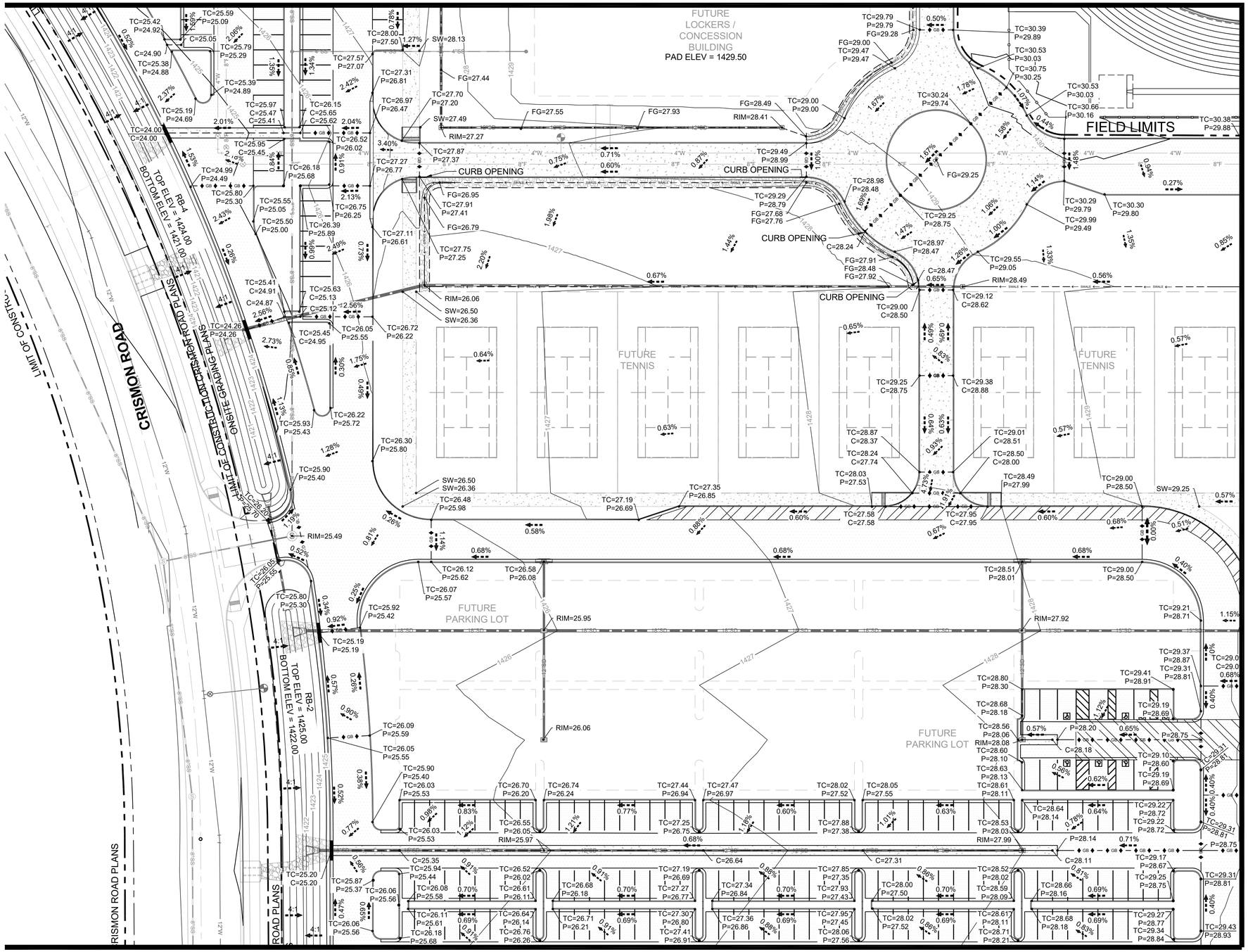
MATCHLINE SEE SHEET C2-5.3




MATCHLINE SEE SHEET C2-5.6

MATCHLINE SEE SHEET C2-5.7

## LEGEND:

| | | | |
|---|---|---|---|
| LIMITS OF CONSTRUCTION | | EX | EXISTING GRADE ELEVATION |
| DRAINAGE ARROW | | FF | FINISHED FLOOR ELEVATION |
| SWALE | | TC | TOP OF CURB ELEVATION |
| FG | FINISHED GRADE ELEVATION | G | GUTTER ELEVATION |
| C | CURB CUT ELEVATION | SW | SIDEWALK ELEVATION |
| P | ASPHALT PAVEMENT ELEVATION | HWE | HIGH WATER ELEVATION |

0 30 60 Feet

SCALE: 1" = 30'

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X1 X2 X3 X4 X5 X6 X7 X8

CONSTRUCTION DOCUMENTS

Registered Professional Engineer (Civil) CERTIFICATE NO. 46775 JUSTIN L. PETERSON Date Signed 9/17/21 ARIZONA, U.S.A.

REV.

QCUSD #3
ON-SITE PLANS

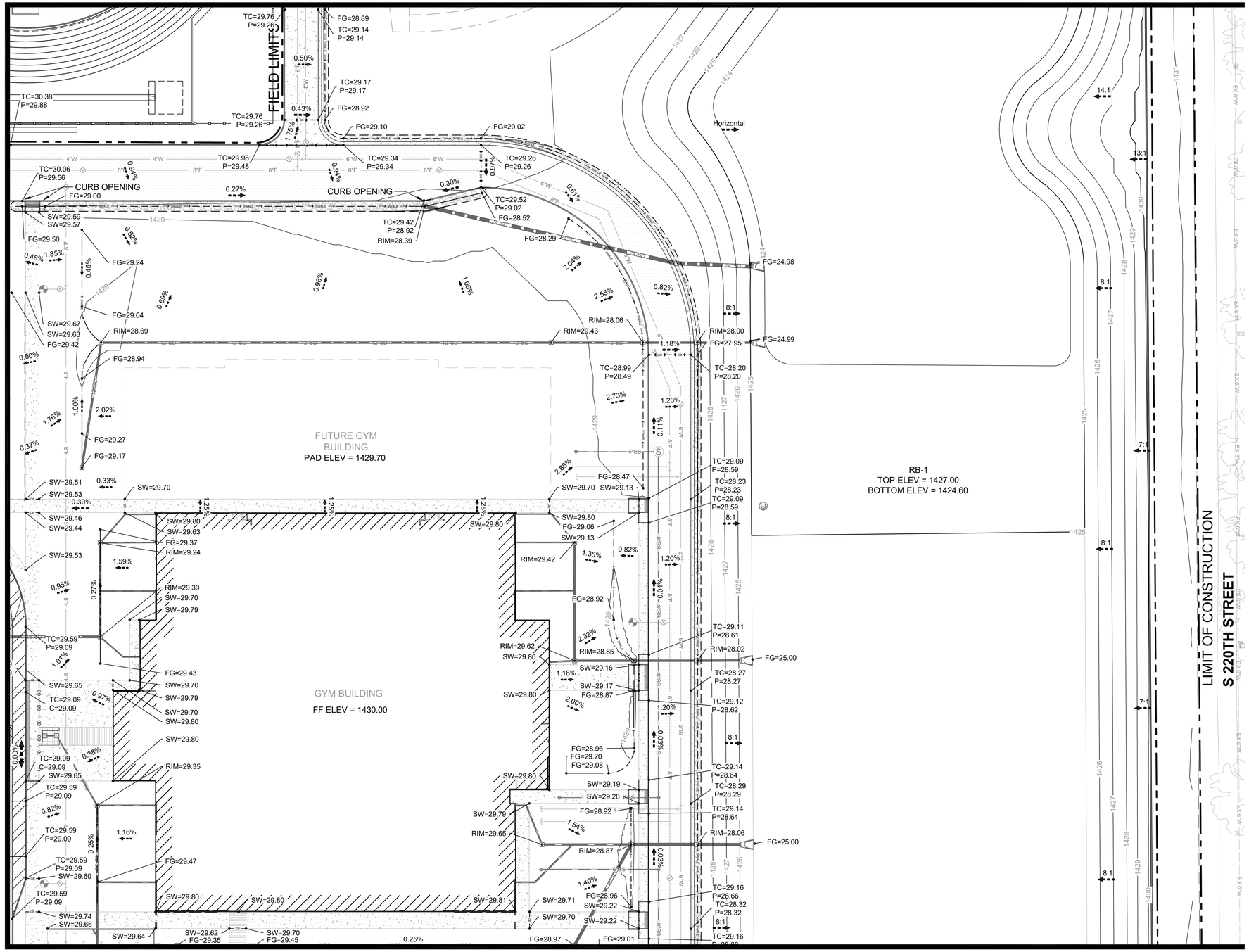
RIGGS ROAD
QUEEN CREEK, AZ

| | |
|---|---|
| DESIGNED: | JLP |
| DATE: | SEPT 17, 2021 |
| DRAWN: | TML |
| PROJ. | 20-160 |
| SCALE: | 1" = 30' |

GRADING PLANS

DWG. NO.
C2-5.5

MATCHLINE SEE SHEET C2-5.4




MATCHLINE SEE SHEET C2-5.5

MATCHLINE SEE SHEET C2-5.8

## LEGEND:

| | | | |
|---|---|---|---|
| LIMITS OF CONSTRUCTION | | EX | EXISTING GRADE ELEVATION |
| DRAINAGE ARROW | | FF | FINISHED FLOOR ELEVATION |
| SWALE | | TC | TOP OF CURB ELEVATION |
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SCOTTSDALE, ARIZONA 85258
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X.1 X.2 X.3 X.4 X.5 X.6 X.7 X.8

CONSTRUCTION DOCUMENTS

Registered Professional Engineer (Civil)
CERTIFICATE NO.
46775
JUSTIN L.
PETERSON
Date Signed
9/17/21
ARIZONA, U.S.A.

REV.

QCUSD #3
ON-SITE PLANS

RIGGS ROAD
QUEEN CREEK, AZ

| | |
|---|---|
| DESIGNED: | JLP |
| DATE: | SEPT 17, 2021 |
| DRAWN: | TML |
| PROJ. | 20-160 |
| SCALE: | 1" = 30' |

GRADING PLANS

DWG. NO.
C2-5.6

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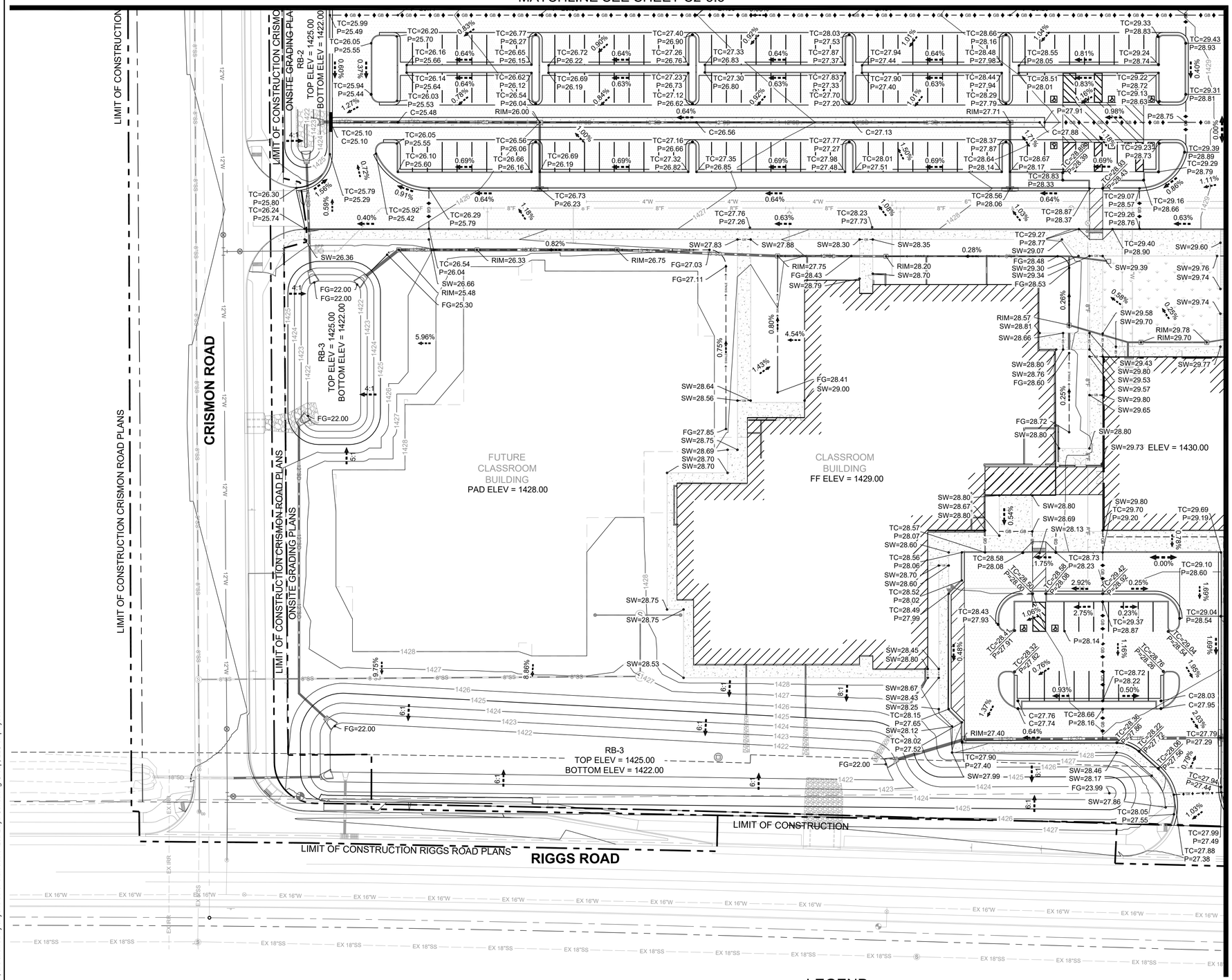
MATCHLINE SEE SHEET C2-5.5




MATCHLINE SEE SHEET C2-5.8

## LEGEND:

| | | | |
|---|---|---|---|
| | LIMITS OF CONSTRUCTION | EX | EXISTING GRADE ELEVATION |
| | DRAINAGE ARROW | FF | FINISHED FLOOR ELEVATION |
| SWALE | SWALE | TC | TOP OF CURB ELEVATION |
| FG | FINISHED GRADE ELEVATION | G | GUTTER ELEVATION |
| C | CURB CUT ELEVATION | SW | SIDEWALK ELEVATION |
| P | ASPHALT PAVEMENT ELEVATION | HWE | HIGH WATER ELEVATION |

0 30 60 Feet

SCALE: 1" = 30'

Contact Arizona 811 at least two full working days before you begin excavation
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LLOYD SPORTS + ENGINEERING
7349 N. VIA PASEO DEL SUR
SUITE 515-324
SCOTTSDALE, ARIZONA 85258
PH 602.635.4226

X.1 X.2 X.3 X.4 X.5 X.6 X.7 X.8

CONSTRUCTION DOCUMENTS

Registered Professional Engineer (Civil)
CERTIFICATE NO.
46775
JUSTIN L.
PETERSON
Date Signed
9/17/21
ARIZONA, U.S.A.

REV.

QCUSD #3
ON-SITE PLANS

RIGGS ROAD
QUEEN CREEK, AZ

| | |
|---|---|
| DESIGNED: | JLP |
| DATE: | SEPT 17, 2021 |
| DRAWN: | TML |
| PROJ. | 20-160 |
| SCALE: | 1" = 30' |

GRADING PLANS

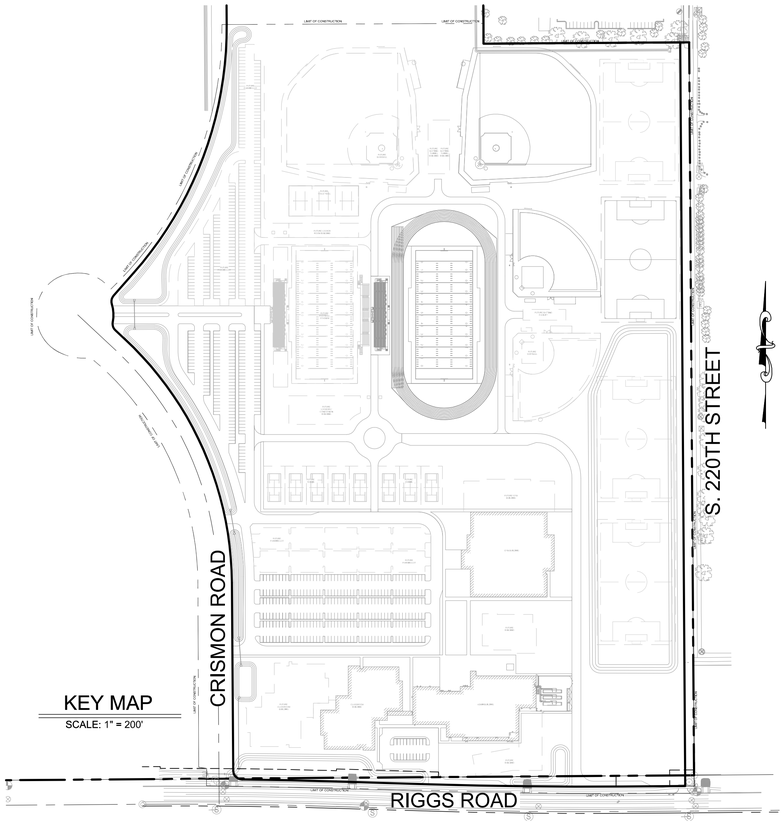
DWG. NO.
C2-5.7

Z:\Shared\Project\20-160 QCUSD HS #3\Construction Documents\20160 C2-5 Grading Plans.dwg 9/17/2021 2:59 PM

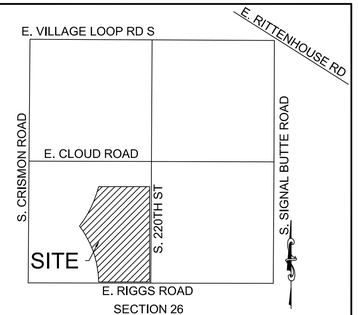
# QCUSD HIGH SCHOOL #3
# SWPPP

A PORTION OF THE SOUTHEAST QUARTER OF SECTION 26, TOWNSHIP 2 SOUTH, RANGE 7 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA

## RIGGS ROAD, QUEEN CREEK, ARIZONA




KEY MAP
SCALE: 1" = 200'




SECTION 26
T.2 S., R.7 E.

VICINITY MAP

## SHEET INDEX


| | |
|---|---|
| C3-1.1 | COVER SHEET |
| C3-2.1 | SWPP PLAN |


## PROJECT AREA

THE GROSS AREA OF THE SUBJECT PARCEL IS APPROXIMATELY 73 ACRES.

AREA OF DISTURBANCE = 73 ACRES

## BENCHMARK

FOUND 3" MARICOPA COUNTY BRASS CAP STAMPED "S26 S27 34 S35 T2S R7E 2002 RLS 31601

NAVD88 ELEVATION = 1421.52

## BASIS OF BEARING

SOUTH 89°35'27" WEST ALONG THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SECTION 26 TOWNSHIP 2 SOUTH, RANGE 7 EAST G&SRM

## ENGINEER


JUSTIN PETERSON, PE
LLOYD SPORTS + ENGINEERING
7349 N VIA PASEO DEL SUR,
SUITE 515-324
SCOTTSDALE, AZ 85258
(602) 635-4226


## OWNER

JIM LAMB
QUEEN CREEK UNIFIED SCHOOL DISTRICT
20217 E CHANDLER HEIGHTS ROAD
QUEEN CREEK, AZ 85142
(480) 987-5935

## QUEEN CREEK GENERAL NOTES

1. ALL IMPROVEMENTS SHALL CONFORM TO THE LATEST MAG STANDARDS AND SPECIFICATIONS OR THE LATEST STANDARDS AND SPECIFICATION ADOPTED BY THE TOWN.
2. THE TOWN PUBLIC WORKS DIRECTOR SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY CONSTRUCTION ON THE PROJECT SITE.
3. "ALL IMPROVEMENTS SHALL BE CONSTRUCTED WITH THE INSPECTION AND APPROVAL OF THE TOWN PUBLIC WORKS DEPARTMENT AND WILL REQUIRE A TOWN CONSTRUCTION PERMIT. CONSTRUCTION WILL NOT BEGIN UNTIL A PERMIT HAS BEEN ISSUED. IF THE WORK IS DISCONTINUED, IT SHALL NOT RESUME UNTIL AFTER NOTIFYING THE TOWN PUBLIC WORKS DIRECTOR.
4. UTILITIES MUST BE INSTALLED EITHER IN DEDICATED PUBLIC RIGHT-OF-WAYS OR IN PUBLIC UTILITY EASEMENTS DEDICATED BY THE LAND OWNER FOR SUCH USAGE AND MAINTENANCE. THE DEVELOPER/OWNER IS RESPONSIBLE FOR THE COORDINATION OF THE RELOCATION OF UTILITIES ON SITE.
5. ALL UNDERGROUND UTILITY INSTALLATION IN STREETS OR PUBLIC ACCESS WAYS SHALL BE CONSTRUCTED PRIOR TO SURFACING SUCH STREET OR PUBLIC ACCESS WAY.
6. THE DEVELOPER SHALL PROVIDE FOR AN ARIZONA REGISTERED ENGINEER TO BE PRESENT ON THE SITE FOR SUFFICIENT TIME TO ASSESS COMPLIANCE WITH THE PLANS AND SPECIFICATIONS FOR EACH ELEMENT OF CONSTRUCTION AND NO LESS THAN ONCE A DAY WHEN CONSTRUCTION IS IN PROGRESS.
7. THE TOWN PUBLIC WORKS DIRECTOR SHALL BE NOTIFIED UPON COMPLETION OF ALL UNDERGROUND UTILITIES WITHIN THE STREET RIGHT-OF-WAYS AND PRIOR TO ANY STREET PREPARATION WORK. INTERIM AS-BUILT PLANS OF THE UTILITIES AND ALL PASSING TEST RESULTS WILL BE SUBMITTED FOR REVIEW. UPON REVIEW AND APPROVAL OF THE SUPPLIED INFORMATION, THE DEVELOPER MAY PROCEED WITH THE INSTALLATION OF STREET IMPROVEMENTS.
8. THE DEVELOPER'S ENGINEER SHALL REQUEST THE TOWN PUBLIC WORKS DIRECTOR PERFORM INSPECTION OF THE SUB GRADE BASE PRIOR TO PLACEMENT OF THE OVERLAYING MATERIALS. IN ADDITION, THE TOWN PUBLIC WORKS DIRECTOR SHALL PERFORM PERIODIC INSPECTIONS THROUGHOUT THE COURSE OF CONSTRUCTION. THESE INSPECTIONS OR APPROVALS DO NOT SIGNIFY THAT THE TOWN HAS ACCEPTED ANY OF THE IMPROVEMENTS FOR MAINTENANCE.
9. THE DEVELOPER'S ENGINEER SHALL SUBMIT WEEKLY PROGRESS REPORTS TO THE TOWN PUBLIC WORKS DIRECTOR THROUGHOUT THE CONSTRUCTION. THE WEEKLY PROGRESS REPORTS WILL INCLUDE THE RESULTS OF ALL TESTS TAKEN DURING THE WEEK.
10. CONSTRUCTION MATERIALS TESTING SHALL BE PERFORMED AT THE DIRECTION OF THE TOWN PUBLIC WORKS DIRECTOR OR HIS REPRESENTATIVE AND AT THE EXPENSE OF THE OWNER/DEVELOPER.
11. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING INDIVIDUAL UTILITY COMPANIES FOR UTILITY LOCATION, OR FOR CALLING BLUE STAKE TO COORDINATE UTILITY LOCATION, AT LEAST 48 HOURS PRIOR TO EXCAVATION OF ALL UNDERGROUND UTILITIES.
12. THE ENGINEER CERTIFIES THAT HE HAS CONTACTED ALL APPLICABLE UTILITY COMPANIES AND HAS SHOWN ALL EXISTING AND/OR PROPOSED UTILITY LINES AND PERTINENT INFORMATION TO THESE PLANS, AND HAS PLOTTED CORRECTLY THE EXISTING AND PROPOSED UTILITY RIGHT-OF-WAY AND/OR EASEMENT LINES ON THE PLANS.

## QUEEN CREEK SWPPP NOTES

1. A COPY OF THE APPROVED GRADING AND DRAINAGE PLAN FOR THIS PROJECT, TOGETHER WITH A COPY OF THE NOTICE OF INTENT (NOI) AND THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE MAINTAINED ON THE SITE AND AVAILABLE FOR REVIEW. THOSE ELEMENTS OF THE GRADING AND DRAINAGE PLAN PERTINENT TO OR REFERENCED ON THE SWPPP SHALL BE CONSIDERED PART OF THE SWPPP.
2. THE CONTRACTOR SHALL NOTIFY THE TOWN OF QUEEN CREEK PUBLIC WORKS DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF ANY INSPECTIONS.
3. THE OPERATOR SHALL OBTAIN A DUST CONTROL PERMIT FROM THE COUNTY AND PERFORM MEASURES AS REQUIRED BY THE PERMIT TO PREVENT EXCESS DUST.
4. THE OPERATOR SHALL PERFORM, AT A MINIMUM, A VISUAL INSPECTION OF THE CONSTRUCTION SITE ONCE EVERY MONTH AND WITHIN 24 HOURS OF RAINFALL GREATER THAN OR EQUAL TO ONE HALF INCH OR MORE. THE OPERATOR SHALL PREPARE A REPORT DOCUMENTING HIS/HER FINDINGS ON THE CONDITIONS OF THE SWPPP CONTROLS AND NOTE ANY EROSION PROBLEM AREAS. THE OPERATORS REPORT IS TO BE SUBMITTED TO THE PUBLIC WORKS DEPARTMENT FOR REVIEW AND APPROVAL. FACILITIES SHALL BE MAINTAINED AS NECESSARY TO ENSURE THERE CONTINUED FUNCTIONING. IN ADDITION, ALL TEMPORARY SILTATION CONTROLS SHALL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED, AND THE POTENTIAL FOR EROSION HAS PASSED.
5. THE OPERATOR SHALL AMEND THIS PLAN AS NECESSARY DURING THE COARSE OR CONSTRUCTION TO RESOLVE ANY PROBLEM AREAS THAT BECOME EVIDENT DURING THE CONSTRUCTION AND/OR DURING RAINFALLS.
6. THE PERMITTEE SHALL FILE A NOTICE OF TERMINATION (NOT) AFTER COMPLETION OF CONSTRUCTION AND PLACEMENT OF FINAL LANDSCAPE MATERIALS. THE NOT IS TO BE SUBMITTED TO THE PUBLIC WORKS DEPARTMENT TO FINAL THE SWPPP PERMIT.
7. THE PERMITTEE SHALL SAVE ALL RECORDS, INCLUDING THE NOI, SWPPP, NOT, AND THE INSPECTION REPORTS, ON FILE FOR A MINIMUM OF THREE YEARS FROM THE DATE OF FILING THE NOT.
8. THE IMPLEMENTATION OF THESE PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE FACILITIES IS THE RESPONSIBILITY OF THE PERMITTEE/CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED AND THE NOT IS SUBMITTED TO THE PUBLIC WORKS DEPARTMENT.
9. THE FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES IN SUCH A MANNER AS TO INSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS, AND MUST BE INSTALLED AND IN OPERATION PRIOR TO ANY GRADING OR LAND CLEARING. WHEREVER POSSIBLE, MAINTAIN NATURAL VEGETATION FOR SILT CONTROL.
10. THE CONTRACTOR'S NOI MUST BE RECEIVED PRIOR TO THE SWPPP PERMIT BEING ISSUED. THE CONTRACTOR THAT WILL BE PULLING THE G&D PERMIT MUST HAVE THE SWPPP PERMIT IN THEIR NAME.

## COORDINATION LIST

| DESCRIPTION | REPRESENTATIVE | DATE | PHONE |
|---|---|---|---|
| CENTURY LINK | KEVIN WAGNER | | 815-245-9640 |
| COX COMMUNICATION | CHRISTOPHER PEREZ | | 623-328-3554 |
| SOUTHWEST GAS | TANYA ACEVES | | 602-395-4030 |
| SRP (ELECTRIC) | TONY ALVARADO | | 602-236-2373 |

## FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

| COMMUNITY NUMBER | PANEL# PANEL DATE | DATE OF FIRM (INDEX OF DATE) | FIRM ZONE | BASE FLOOD ELEVATION (IN AO ZONE, USE DEPTH) |
|---|---|---|---|---|
| 040132 | 3135 SUFFIX L<br>October 16, 2013 | 10-16-13 | ZONE X | LESS THAN 1 FOOT |

## RETENTION BASIN TABLE

| RETENTION BASIN | AREA (sf) | DEPTH (ft) | VOLUME (cf) |
|---|---|---|---|
| RB-1 | 213,116 | 2 | 390,637 |
| RB-2 | 8,130 | 3 | 13,045 |
| RB-3A+3B | 41,604 | 3 | 88,579 |
| RB-4 | 27,731 | 3 | 42,953 |
| RB-5 | 43,847 | 3 | 98,199 |
| RB-6 | 8,976 | 2 | 12,083 |

## PROJECT DESCRIPTION

MASS GRADING OF PHASE 1. CONSTRUCTION OF THREE BUILDINGS, TRACK AND FIELD, BASEBALL, SOFTBALL FIELDS WITH AMENITIES AND SOCCER FIELDS FOR THE QUEEN CREEK UNIFIED SCHOOL DISTRICT ON A FARM SITE OFF OF RIGGS ROAD. THE CIVIL SCOPE OF WORK WILL INCLUDE MASS GRADING OF THREE BUILDING PADS, PARKING LOTS, OFFSITE ROADWAYS, TRACK AND FIELD SUBGRADE. FUTURE PHASE TO INCLUDE ADDITIONAL BUILDINGS, EXPANDED PARKING, FOOTBALL STADIUM, ADDITIONAL SOFTBALL AND BASEBALL FIELDS, TENNIS AND VOLLEYBALL COURTS.

## APPROVALS

THE AUTHORIZED REPRESENTATIVES OF THE FOLLOWING AGENCIES HEREBY ACKNOWLEDGE OR HAVE ACKNOWLEDGED THEY HAVE REVIEWED AND APPROVED THE DESIGN SHOWN BY THESE DRAWINGS. CONSTRUCTION MAY BEGIN AFTER ALL APPROPRIATE PERMITS HAVE BEEN OBTAINED.

TOWN ENGINEER DATE

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PH 602.635.4226


CONSTRUCTION DOCUMENTS

Registered Professional Engineer (Civil)
CERTIFICATE NO.
46775
JUSTIN L.
PETERSON
Date Signed 6/1/21
ARIZONA, U.S.A.

REV.

QCUSD #3
SWPP
PLANS

RIGGS ROAD
QUEEN CREEK, AZ

| | |
|---|---|
| DESIGNED: | JLP |
| DATE: | June 30, 2021 |
| DRAWN: | TML |
| PROJ. | 20-160 |
| SCALE: | 1" = 200' |

COVER SHEET

DWG. NO.

C3-1.1


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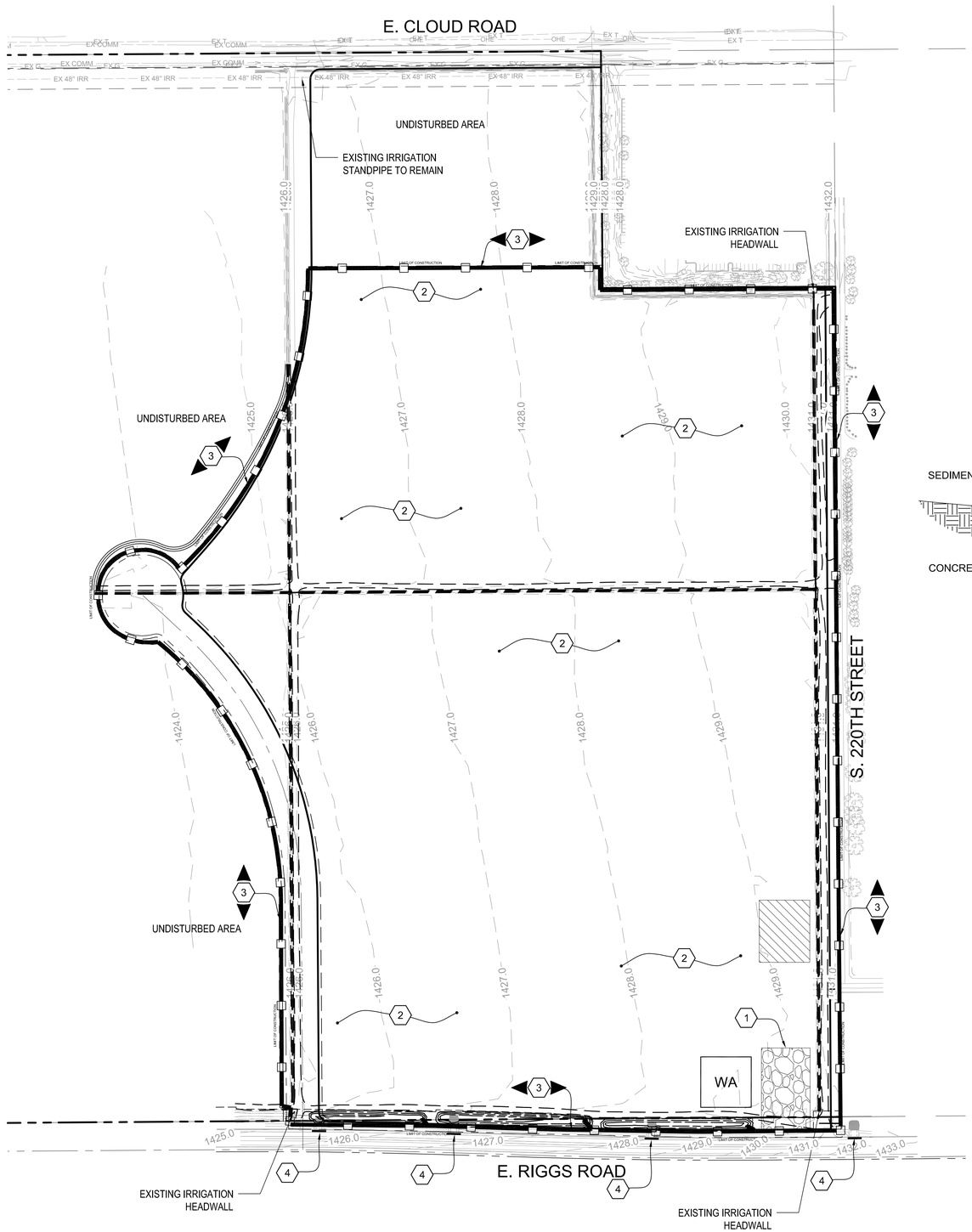
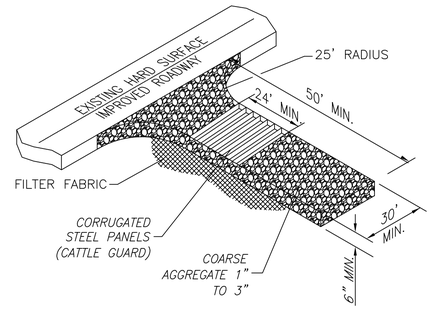



## SWPPP NOTES:

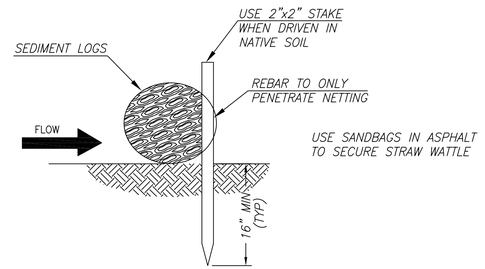
1. CONSTRUCT AND MAINTAIN STABILIZED CONSTRUCTION ENTRANCE CONSISTING OF A MINIMUM OF SIX (6) INCHES OF ONE (1) INCH TO THREE (3) INCH DIAMETER CRUSHED ROCK, PER DETAIL E1 ON THIS SHEET.
2. APPLY DUST CONTROL MEASURES WITHIN LIMITS OF DISTURBANCE PRIMARILY BY THE USE OF WATER.
3. PLACE STRAW WATTLE PER DETAIL E2 ON THIS SHEET. USE SANDBAGS TO SECURE STRAW WATTLE WHEN PLACED ON ASPHALT.
4. INSTALL CURB INLET PROTECTION PER DETAIL E3 ON THIS SHEET.

## LEGEND:

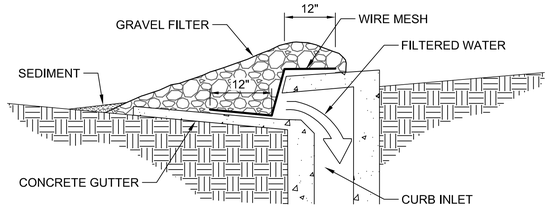
DRAINAGE FLOW ARROW
CONSTRUCTION ENTRANCE
LAYDOWN/STOCKPILE AREAS
WA — CONCRETE WASHOUT AREA
STRAW WATTLE
LIMITS OF CONSTRUCTION




E1 CONSTRUCTION ENTRANCE DETAIL
N.T.S.




E2 STRAW WATTLE DETAIL
N.T.S.




E3 CURB INLET PROTECTION
N.T.S.

## ENGINEER SWPPP NOTES

1. THIS STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS INTENDED FOR GUIDANCE AND IS PROVIDED TO THE CONTRACTOR FOR INFORMATION ONLY. THE CONTRACTOR MUST SUBMIT A SWPPP 14 DAYS BEFORE CONSTRUCTION. THE SWPPP MUST BE APPROVED BY THE TAA BEFORE CONSTRUCTION CAN BEGIN.
2. THIS PLAN SHOWS THE OVERALL PLACEMENT OF TEMPORARY EROSION CONTROL DEVICES AND THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND KEEPING THE DEVICES CURRENT TO CONSTRUCTION ACTIVITIES.
3. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH SWPPP MEASURES AND FAA REQUIREMENTS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN UP OF SILT AND MUD AT SITE AND STORM DRAIN SYSTEM DUE TO CONSTRUCTION ACTIVITY.
5. THE CONTRACTOR SHALL CHECK SWPPP AND MAINTAIN ALL LINED AND UNLINED DITCHES AFTER EACH RAINFALL. CONTRACTOR SHALL REMOVE SILT AND DEBRIS AFTER EACH MAJOR STORM.
6. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION/SEDIMENT CONTROL MEASURES AS MAY BE REQUIRED BY THE RESIDENT ENGINEER DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES, WHICH MAY ARISE.
7. IN ACCORDANCE WITH THE SEEDING SPECIFICATION WITHIN THE FRONT END DOCUMENTS, EXISTING VEGETATION WILL BE PRESERVED. CLEARING LIMITS SHALL BE CONFINED TO AREAS THAT REQUIRE GRADING. EXISTING VEGETATION OUTSIDE THE BOUNDARIES OF THE CLEARED AREA SHALL BE PROTECTED FROM DAMAGE BY CONSTRUCTION ACTIVITIES. EXISTING TREES WITHIN THE AREA TO BE CLEARED AND SHALL BE PRESERVED AND PROTECTED, WHEREVER POSSIBLE.
8. ALL DISTURBED SOIL, WHICH WILL NOT BE PAVED, RIP-RAPPED, OR OTHERWISE COVERED TO PREVENT EROSION, WILL BE REVEGETATED AND/OR LANDSCAPED IN ACCORDANCE WITH THE PROJECT PLANS AND SPECIFICATIONS.
9. SPILL PREVENTION: THE PROCEDURES OUTLINED IN THE BEST MANAGEMENT PRACTICES, LISTED UNDER POLLUTION CONTROL MEASURES WILL BE FOLLOWED TO PREVENT AND CONTAIN SPILLS OF HAZARDOUS MATERIAL. THESE PREVENTATIVE ACTIONS INCLUDE BMP'S ON EQUIPMENT MAINTENANCE AND PROPER HANDLING, STORAGE, AND DISPOSAL OF CHEMICALS AND MATERIAL. ALL MANUFACTURER'S RECOMMENDATIONS FOR USAGE, CLEAN UP AND DISPOSAL SHALL BE FOLLOWED.
10. SPILL RESPONSES: IN THE EVENT OF AN ACCIDENTAL SPILL OF CHEMICALS OR HAZARDOUS MATERIALS, CONTACT TAA ENVIRONMENTAL DEPARTMENT AND FIRE DEPARTMENT.

## EROSION AND SEDIMENT CONTROLS

1. PRIOR TO OR IMMEDIATELY FOLLOWING CLEARING & GRUBBING, AND AS PART OF THE INITIAL ROUGH GRADING, ALL RETENTION BASINS SHALL BE CUT TO GRADE. THE BASINS SHALL CONSTITUTE THE REQUIRED SEDIMENT BASINS. GRADES SHALL BE CUT (OR BERMING OR STRAW BALES SHALL BE PROVIDED) PER THIS PLAN TO ASSURE THAT RUNOFF IS CONVEYED TO THE RETENTION BASINS.
2. A STABILIZED CONSTRUCTION ENTRANCE CONSISTING OF A MINIMUM OF 6" OF COMPACTED ABC SHALL BE INSTALLED AS SHOWN. ALL CONSTRUCTION TRAFFIC SHALL ENTER THROUGH THIS ENTRANCE. THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE RE-GRADED OR REPLACED WHEN IT BECOMES SATURATED OR MATTED WITH SITE SOILS. THE PAVED STREET ADJACENT TO THE SITE ENTRANCE SHALL BE SWEPT ON A REGULAR BASIS TO REMOVE ANY EXCESS MUD OR DIRT TRACKED FROM THE SITE.
3. ANY DISTURBED AREAS WHERE CONSTRUCTION HAS PERMANENTLY OR TEMPORARILY CEASED SHALL BE STABILIZED TO PREVENT EROSION. AN ACCEPTABLE STABILIZATION METHOD IS HYDROSEEDING AND WATERING. AREAS WHICH WILL BE DISTURBED WITHIN 21 DAYS OF CEASING CONSTRUCTION DO NOT HAVE TO BE STABILIZED.
4. THE CATCH BASIN LOW POINTS SHALL ALSO ACT AS THE REQUIRED SEDIMENT BASINS FOR THE PROJECT. THEY SHALL BE INSPECTED ON A MONTHLY BASIS AND AFTER EVERY HEAVY RAINFALL. SEDIMENT SHALL BE REMOVED FROM THE BASINS AS NECESSARY TO MAINTAIN A MINIMUM OF 75% OF REQUIRED CAPACITY OF THE BASIN DURING CONSTRUCTION AND 100% OF THEREAFTER.
5. THE SWPPP IS USED TO MAINTAIN ALL STORM WATER POLLUTANTS AND SEDIMENT. HOWEVER, IF ANY OFF-SITE ACCUMULATION OF SEDIMENT OR POLLUTANTS OCCUR, IMMEDIATE ACTION IS REQUIRED TO REMOVE THIS ACCUMULATION.
6. BASED ON MARICOPA COUNTY DESIGN STORM WATER STANDARDS, STORM WATER IS NOT TO EXCEED PRE-DEVELOPMENT LEVELS. ON-SITE RETENTION, PERCOLATION, AND DRYWELLS WILL ENSURE THAT THESE PRE-DEVELOPMENT LEVELS WILL NOT BE EXCEEDED.
7. VELOCITY DISSIPATION IS ACCOMPLISHED WITH THE USE OF RIPRAP AND/OR BUBBLE-UP STRUCTURES AT STORM WATER OUTFLOW LOCATIONS WHERE APPLICABLE.

0 150 300 Feet
SCALE: 1"=150'

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CONSTRUCTION DOCUMENTS

Registered Professional Engineer (Civil) CERTIFICATE NO. 46775 JUSTIN L. PETERSON Date Signed 07/01/21 ARIZONA, U.S.A.

REV.

QCUSD #3
SWPP
PLANS

RIGGS ROAD
QUEEN CREEK, AZ

| | |
|---|---|
| DESIGNED: | JLP |
| DATE: | June 30, 2021 |
| DRAWN: | TML |
| PROJ. | 20-160 |
| SCALE: | 1"=150' |

SWPP PLAN

DWG. NO.
C3-2.1