

(A) The District Building
8000 E. 1st Ave., Suite 100
Salt Lake City, UT 84143
(B) 801.555.1000
(C) www.eda.com

PROJECT NUMBER: 2023



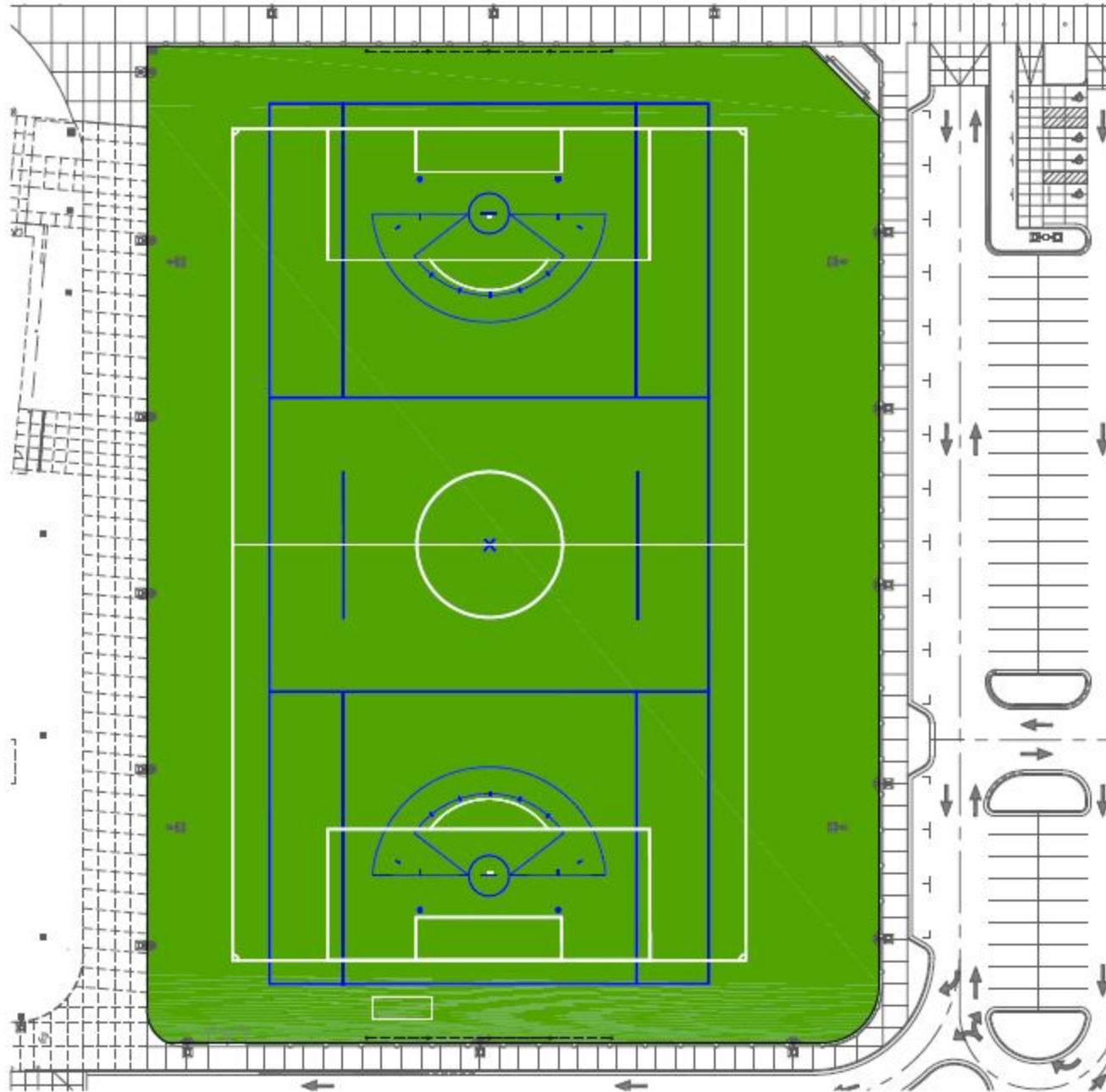
WATERFORD SCHOOL
SPORTS FIELD AND
PARKING

1400 E. 9400 S.
SANDY, UT 84085

PROJECT NUMBER	DATE
1. SITE PLAN SUBMITTAL	3/26/2023

GRAPHICS
PLAN

PF6.0
2023



COLOR LIST:

SOCCER LINE COLORS: WHITE
(FOR FIFA SOCCER RULES)
LACROSSE COLOR: BLUE
(FOR NFHS LIMITED LACROSSE RULES)
FIELD COLOR:
GREEN

GRAPHICS GENERAL NOTES:

1. GENERAL CONTRACTOR IS RESPONSIBLE FOR PREPARATION OF THE BASE IN THE TURF AREAS AND FOR COORDINATION WITH THE TURF INSTALLER'S WORK. TURF INSTALLER MUST SUBMIT COMPLETE SHOP DRAWINGS AND COLOR SAMPLES FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION OF SYNTHETIC TURF. SUBMITTALS FOR SHOP DRAWINGS AND COLOR SAMPLES MUST BE IN ACCORDANCE WITH THE SPECIFICATIONS.
2. THE OWNER (OR ITS REPRESENTATIVE) MUST REVIEW AND APPROVE THE FONTS USED FOR YARD SIGN NUMBERS AND ZONE LETTERING PRIOR TO INSTALLATION OF THE SYNTHETIC TURF.
3. CONTRACTOR MAY USE THE STANDARD COLOR PALETTE, HOWEVER, IF THEIR STANDARD COLORS ARE NOT CONSISTENT WITH THIS DRAWING AND STRICT EXPECTATIONS, THEN CUSTOM COLORS SHALL BE PROVIDED. CONTRACTOR MAY SUBMIT COLOR SWATCHES DURING OR WITH THEIR BID FOR REVIEW BY THE SCHOOL DISTRICT.

LEGEND:

NEW SYNTHETIC TURF PLAYING FIELD



811
CALL BEFORE YOU DIG
UTAH DEPARTMENT OF HERITAGE
AND ARTS

NOTICE
NORTH QUARTER CORNER OF
SECTION 3, TOWNSHIP 3 SOUTH,
RANGE 3 EAST
SALT LAKE COUNTY, UTAH
REPLACEMENT 4/2014

9400 SOUTH STREET
(PAVED PUBLIC RIGHT OF WAY, WIDTH VARIES)

CONNECTION TO PUBLIC ROAD
(AND SOUTH STREET)

PRE TRUCK TRAILER PARK (PTP)

PRE TRUCK TRAILER PARK (PTP)

PRE TRUCK TRAILER PARK (PTP)

PRE TRUCK TRAILER PARK (PTP)

PRE TRUCK TRAILER PARK (PTP)

PRE TRUCK TRAILER PARK (PTP)

1700 EAST STREET
(PAVED PUBLIC RIGHT OF WAY)

CONNECTION TO PUBLIC ROAD
(AND EAST STREET)

PRE TRUCK TRAILER PARK (PTP)

EXIST. BUILDING

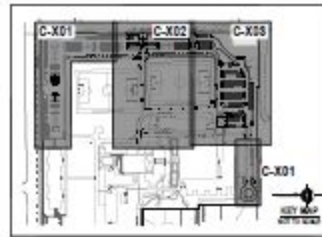
EXIST. BUILDING

SHOSHONE COURT

SHOSHONE AVENUE
(PAVED PUBLIC RIGHT OF WAY)
EXIST. SIDE DRIVE AND CL. 11' (20' W)
15' TO 20' C-CORNER (20' W)

GENERAL NOTES

1. ALL WORK TO COMPLY WITH THE APPROPRIATE STANDARDS AND SPECIFICATIONS.
2. ALL IMPROVEMENTS MUST COMPLY WITH ADA STANDARDS AND ADA REGULATIONS.
3. SEE LANDSCAPE ARCHITECTURAL PLANS FOR CONCRETE MATERIAL, COLOR, FINISH, AND CURB PATTERNS THROUGHOUT SITE.
4. ALL PLUMBING WORK SHALL COMPLY TO THE LATEST EDITION OF THE M.P.T.C. (M.P.T.C. = MECHANICAL PLUMBING TRADES COUNCIL) SPECIFICATIONS.
5. ALL SUPPLIER IMPROVEMENTS DETERMINED BY CONSTRUCTION SHALL BE RESTORED OR REPLACED, INCLUDING STAFF AND EDUCATIVE DRIVING, ALL FINISH, WALLS AND STRUCTURES, WHETHER OF WOOD OR CONCRETE, SHALL BE RESTORED TO ORIGINAL CONDITION.
6. NOTIFY ENGINEER OF ANY DISCREPANCIES OR CHANGES BEFORE PLACING CONCRETE OR ASBESTOS.
7. THE CONTRACTOR IS TO PROTECT AND MAINTAIN ALL EXISTING IMPROVEMENTS, UTILITIES, AND SIGNALS, ETC. UNLESS OTHERWISE NOTED ON THESE PLANS.
8. SEE ARCHITECTURAL DRAWINGS AND PROJECT MANUALS.



WATERFORD EAST PARKING LOT DATA TABLE	
TOTAL PARKING SPOTS	200
EXIST. ADA SPOTS	6
EXIST. ADA SPOTS TO BE REMOVED	0
TOTAL SPOTS TO BE REMOVED	0
PROPOSED CHAIRS SPOTS	20
PROPOSED ADA SPOTS	10
TOTAL SPOTS	180 (NET 180 SPOTS)

E D A

1/25 The Ensign Building
1000 Main Street, Suite 1100
Salt Lake City, UT 84111

1/26 801.551.7800

1/27 info@ensign.com

1/28 www.ensign.com

PROJECT ARCHITECT JH

PROJECT MANAGER KC



SALT LAKE CITY
45 W. 1000 S., Suite 900
Sandy, UT 84070
Phone: 801.551.7800

WWW.ENSIGNDESIGN.COM
ENSIGN PROJECT #108518

WATERFORD SCHOOL PARKING ADDITION

1480 E 9400 S
SANDY, UT 84093

PROJECT NUMBER

DESCRIPTION DATE

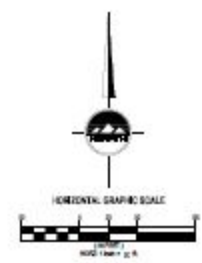
1 SITE PLAN SUBMITTAL 10/20/22

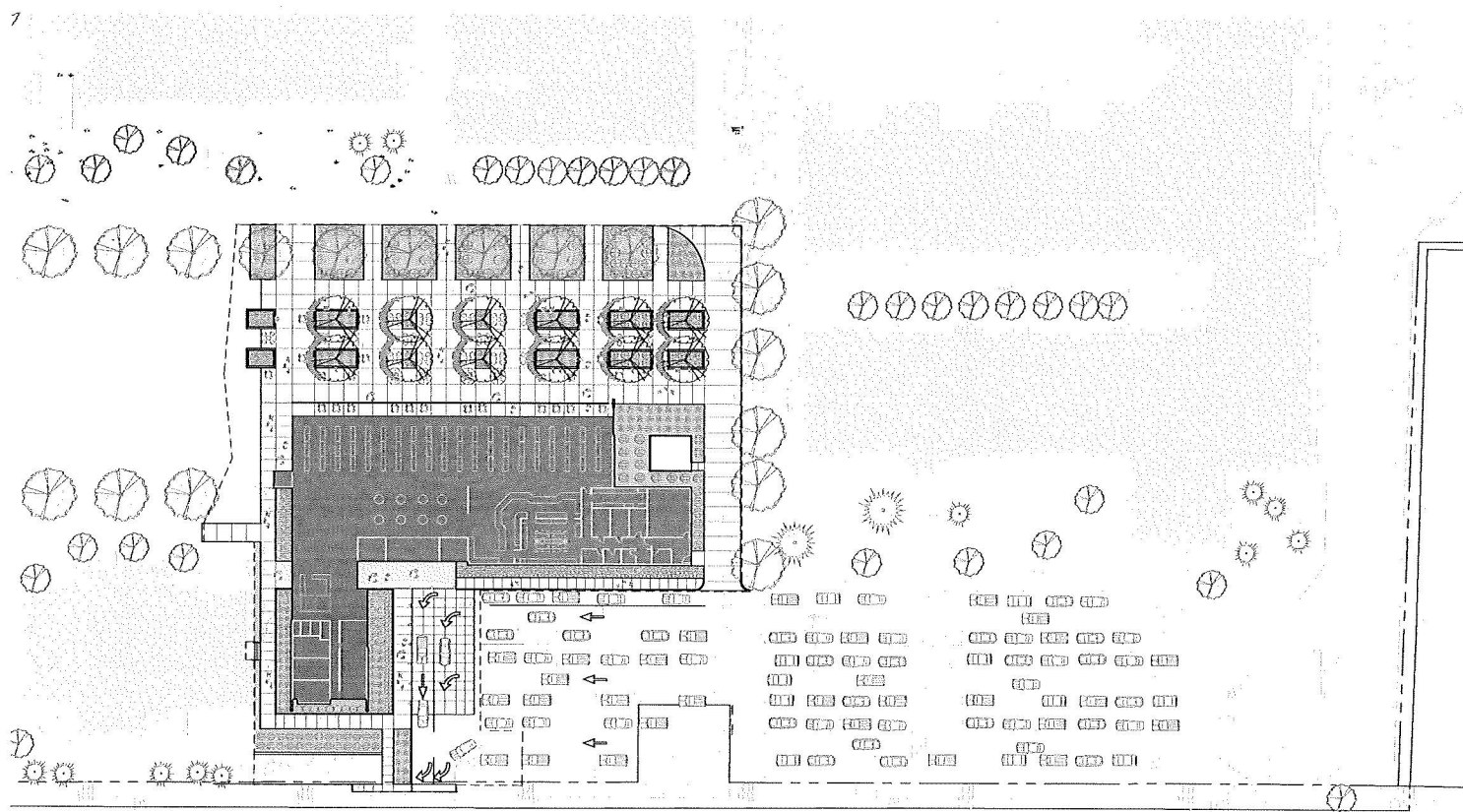
OVERALL SITE PLAN

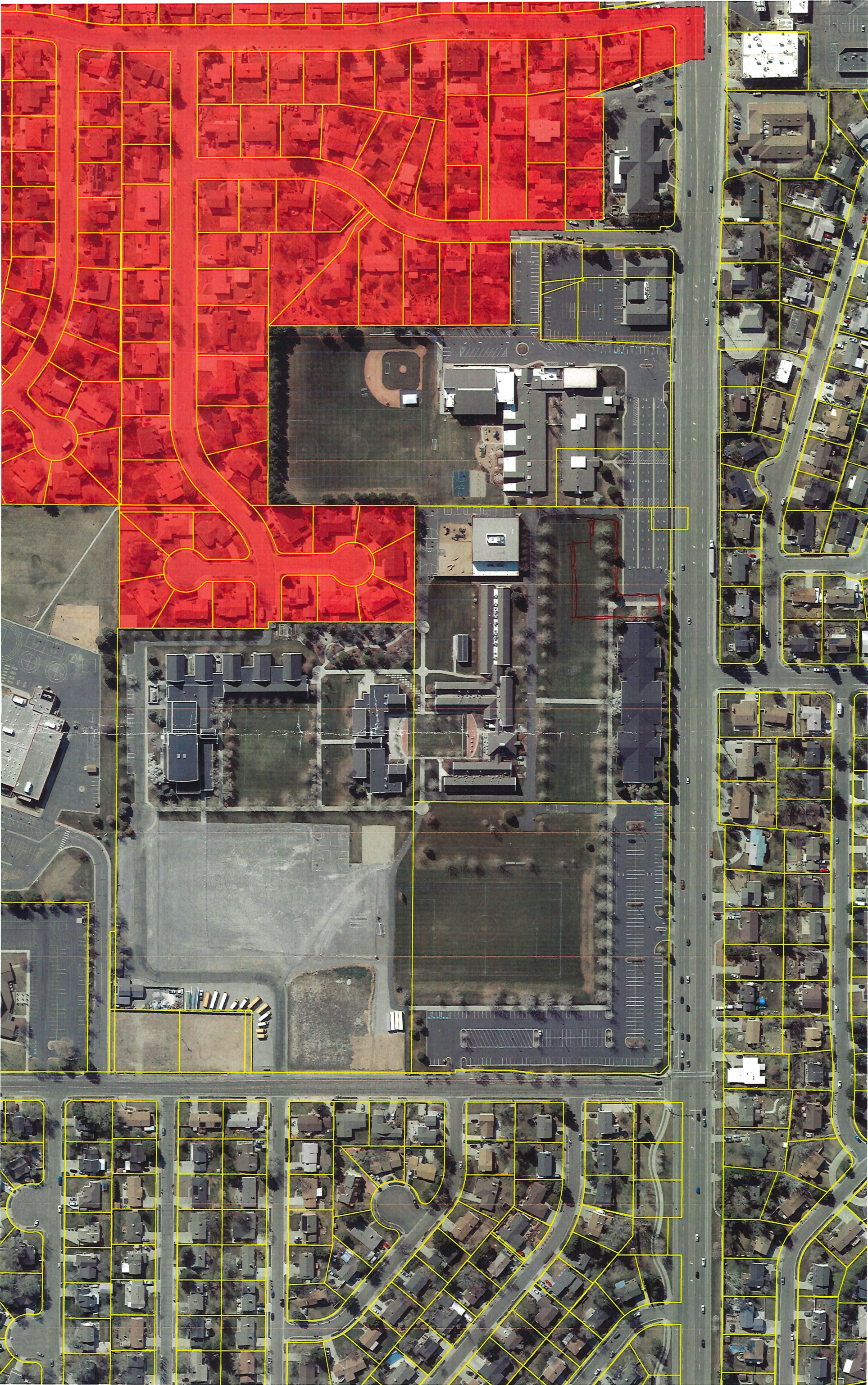
C-200

2023

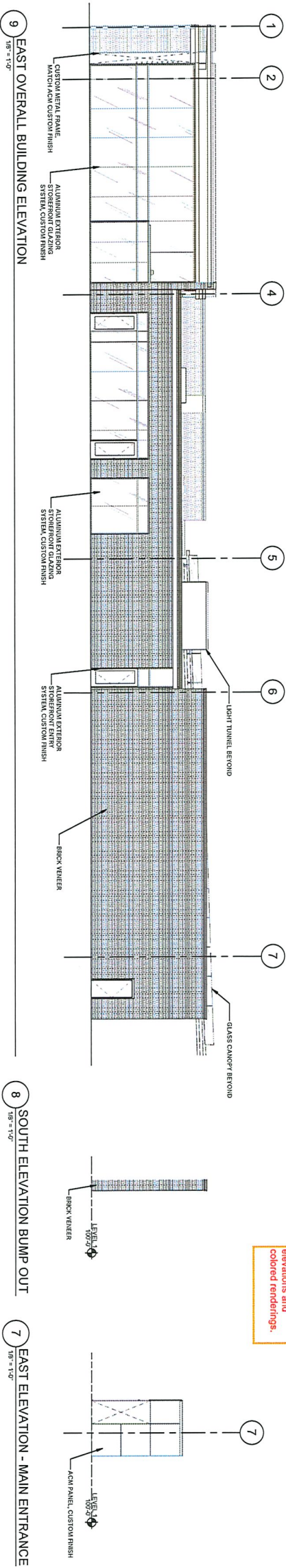
C. RISA







Please show RTUs dashed in behind the parapet on building elevations and colored renderings.



101 The Bullfinch Building
9 Exchange Place, Suite 100
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801.531.7000
info@ed3arch.com
www.ed3arch.com

PROJECT ARCHITECT PA
PROJECT MANAGER PM

NOT FOR
CONSTRUCTION

CONSULTANT LOGO

WATERFORD SCHOOL
STUDENT COMMONS

1520 EAST 9400 SOUTH
SANDY, UT 84093

PROJECT NUMBER 210121
DESCRIPTION NTE
DO SUBMITTAL 03.10.23

BUILDING
ELEVATIONS

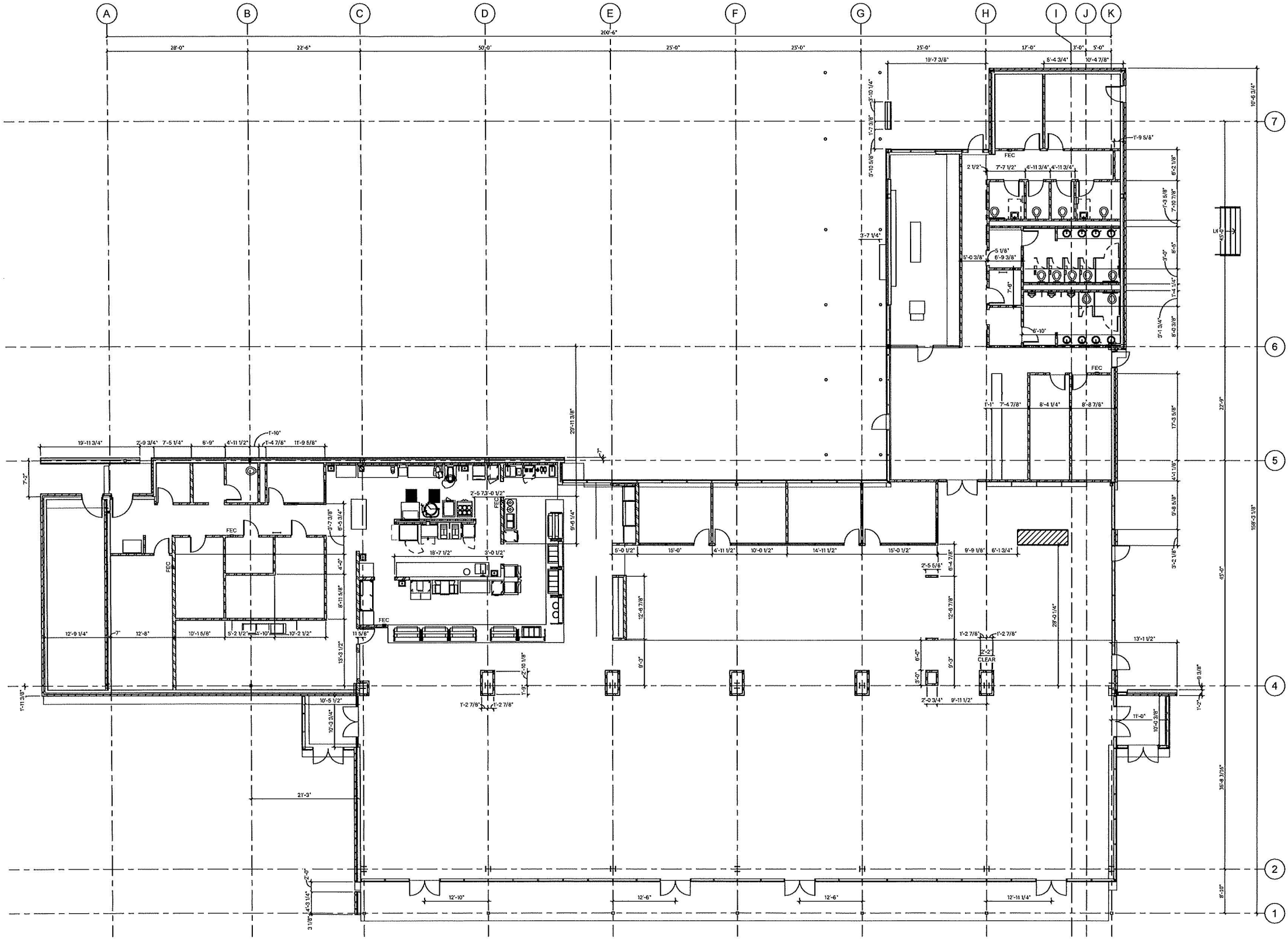
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10 MARCH 2023

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DIMENSION & SLAB PLAN NOTES		
1. COORDINATE DIMENSIONS SHOWN WITH ALL TRADES AND SYSTEM REQUIREMENTS.	5. DIMENSIONS TO INTERIOR WALL PARTITIONS ARE TO THE FINISH FACE OF THE PARTITION, UNLESS NOTED OTHERWISE. CONTRACTORS SHALL REFER TO THE WALL TYPES AND INTERIOR ELEVATIONS FOR WALL ASSEMBLIES AND MATERIALS AND COORDINATE WALL LAYOUT TO ENSURE FINISH ALIGNMENTS AND CODE REQUIRED CLEARANCE ARE PROVIDED.	8. DOOR OPENINGS SHALL BE LOCATED TO PROVIDE FOR THE ACCESSIBILITY MAINTAINING CLEARANCES IN COMPLIANCE WITH ADA REQUIREMENTS. REFER TO ADA GUIDELINE SHEETS IN THE GENERAL INFORMATION IN THIS SET OF DRAWINGS. CONFIRM ALL OPENINGS IN QUESTION WITH ARCHITECT.
2. DIMENSIONS SHOWN AT FOUNDATION WALLS ARE INTENDED TO LOCATE WHERE FOUNDATION WALL TYPE CHANGES BASED ON THE WALL ASSEMBLY ABOVE, COORDINATE WITH AND REFERENCE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.	6. WHERE DIMENSIONS ARE SHOWN TO LOCATE PENETRATIONS AT FLOOR SLABS, CENTERLINES OF WALL FOR PLUMBING, MAY BE PROVIDED. COORDINATION WITH SURROUNDING WALL LAYOUTS AND LOCATIONS TO ENSURE CLEAR OR FINISHED DIMENSIONS ARE PROVIDED. CODE OR MATERIAL ALIGNMENTS MAY OCCUR.	9. PROVIDE 1/2" GAP AT PERIMETER OF THE FLOOR SLAB AT EXTERIOR WALLS. PROVIDE INSULATION AND CONTINUOUS SEALANT.
3. THE INTERIOR FACE OF ALL FOUNDATION WALLS AROUND THE BUILDING ARE INTENDED TO BE IN THE SAME PLANE. REFER TO THE TYPICAL FOUNDATION DETAILS IN THE ARCHITECTURAL DRAWINGS FOR THE DIMENSION FROM GRID AND THE RELATIONSHIP OF THE STUD WALL OR GLAZING SYSTEM.	7. OPENINGS OR ELEMENTS IN FLOOR SLABS: CONTRACTOR SHALL COORDINATE OPENING SIZE, AND LOCATION, REQUIREMENTS WITH ACTUAL EQUIPMENT BEING SUPPLIED.	10. COORDINATE ACTUAL SIZE AND DEPTH OF THE ELEVATOR FOUNDATION WITH THE ELEVATOR BEING SUPPLIED.
4. AT EXTERIOR WALLS, THE INTERIOR FACE OF THE STUD FRAMING IS INTENDED TO ALIGN WITH THE INTERIOR FACE OF THE CONCRETE FOUNDATION WALLS, TYPICAL.		11. REFER TO ENLARGED PLANS FOR ADDITIONAL DIMENSIONING.



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PROJECT MANAGER PR

NOT FOR
CONSTRUCTION

CONSULTANT LOGO

WATERFORD SCHOOL
STUDENT COMMONS

1520 EAST 9400 SOUTH
SANDY, UT 84093

PROJECT NUMBER 219121
DESCRIPTION DATE
00 SUBMITTAL 02.10.23

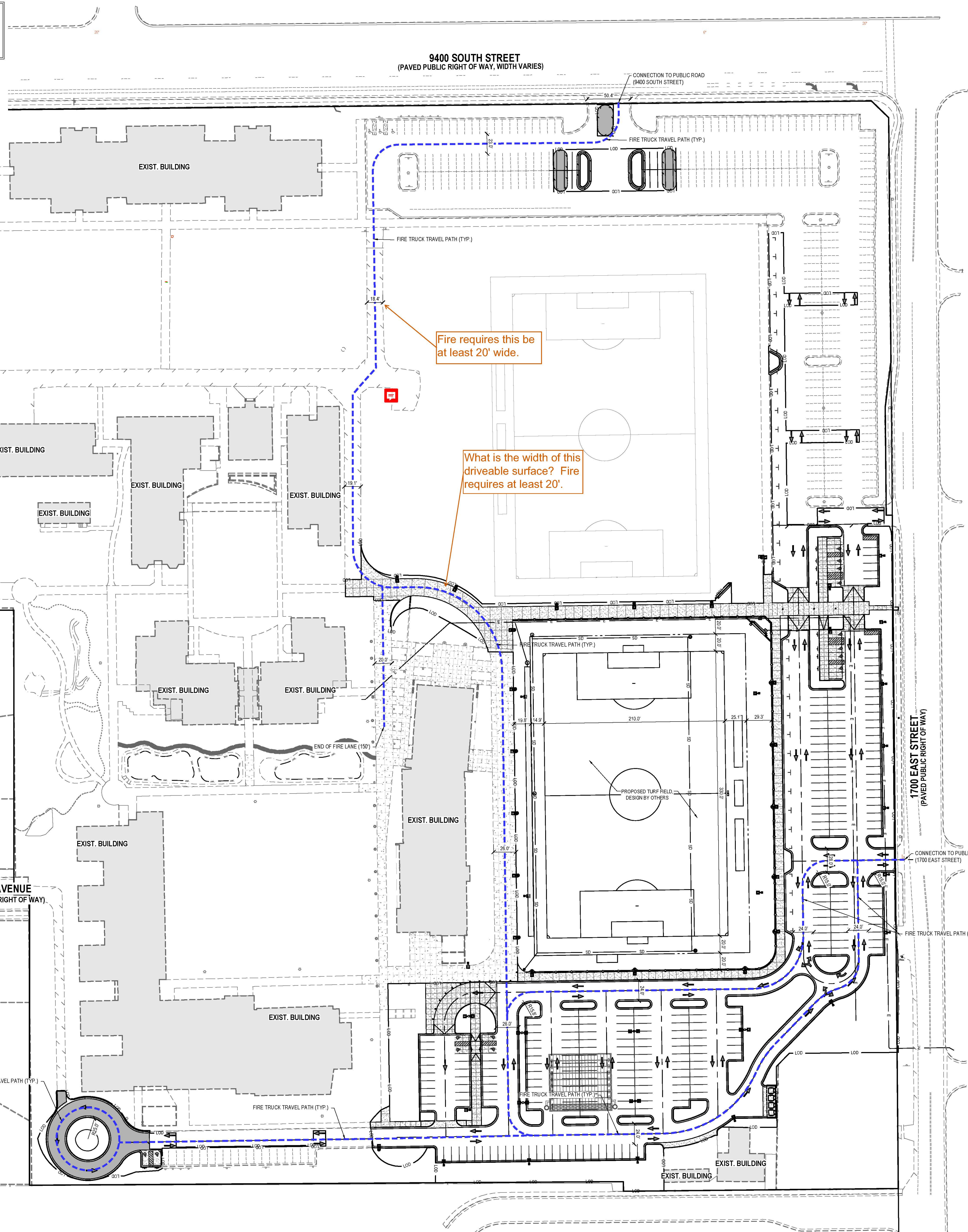
LEVEL 1
DIMENSIONED PLAN

A101
10 MARCH 2023

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2. ALL WORK TO COMPLY WITH THE GOVERNING AGENCY'S STANDARDS AND SPECIFICATIONS.
3. ALL IMPROVEMENTS MUST COMPLY WITH ADA STANDARDS AND RECOMMENDATIONS.
4. SEE LANDSCAPE/ARCHITECTURAL PLANS FOR CONCRETE MATERIAL, COLOR, FINISH, AND SCORE PATTERNS THROUGHOUT.
5. ALL PAYMENT MARKINGS SHALL CONFORM TO THE LATEST EDITION OF THE MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES).
6. ALL SURFACE IMPROVEMENTS DISTURBED BY CONSTRUCTION SHALL BE RESTORED OR REPLACED, INCLUDING TREES AND DECORATIVE SHRUBS, SO, FENCES, WALLS AND STRUCTURES, WHETHER OR NOT THEY ARE SPECIFICALLY SHOWN ON THE CONTRACT DOCUMENTS.
7. NOTIFY ENGINEER OF ANY DISCREPANCIES IN DESIGN OR STAKING BEFORE PLACING CONCRETE OR ASPHALT.
8. THE CONTRACTOR IS TO PROTECT AND PRESERVE ALL EXISTING IMPROVEMENTS, UTILITIES, AND SIGNS, ETC. UNLESS OTHERWISE NOTED ON THESE PLANS.
9. SEE ARCHITECTURAL DRAWING A001 FOR PROJECT LIMITS.

SEE ARCHITECTURAL DRAWING A001 FOR PROJECT LIMITS



PROJECT ARCHITECT	JH
PROJECT MANAGER	KL



SALT LAKE CITY
45 W. 10000 S., Suite 500
Sandy, UT 84070
Phone: 801.255.0529

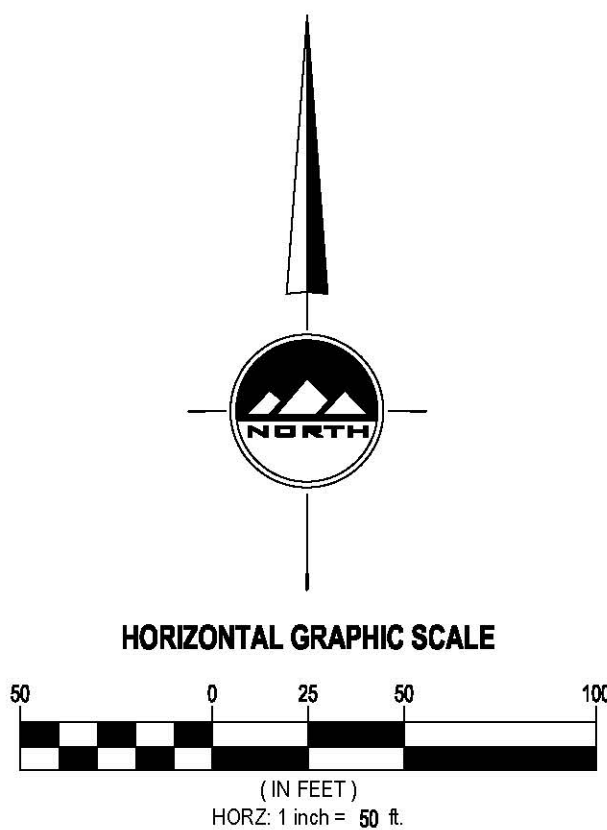
WWW.ENSIGNENG.COM
ENSIGN PROJECT #10651B

WATERFORD SCHOOL PARKING ADDITION

WATERFORD EAST PARKING LOT DATA TABLE	
TOTAL EXISTING STALLS	314
EXIST. ADA STALLS	8
EXIST. ADA STALLS TO BE REMOVED	5
TOTAL STALLS TO BE REMOVED	74
PROPOSED STANDARD STALLS	284
PROPOSED ADA STALLS	12
TOTAL STALLS	536 (INC. 15 ADA)

1480 E 9400 S
SANDY, UT 84093

PROJECT NUMBER		-
#	DESCRIPTION	DATE
1	SITE PLAN SUBMITTAL	2/28/2023

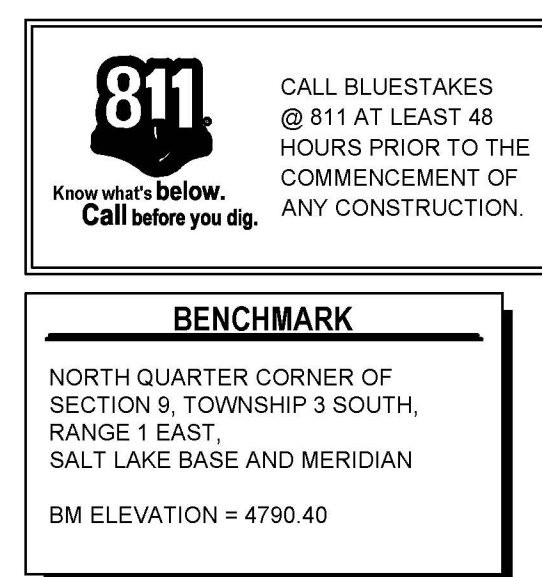


OVERALL SITE PLAN

C-200

2023

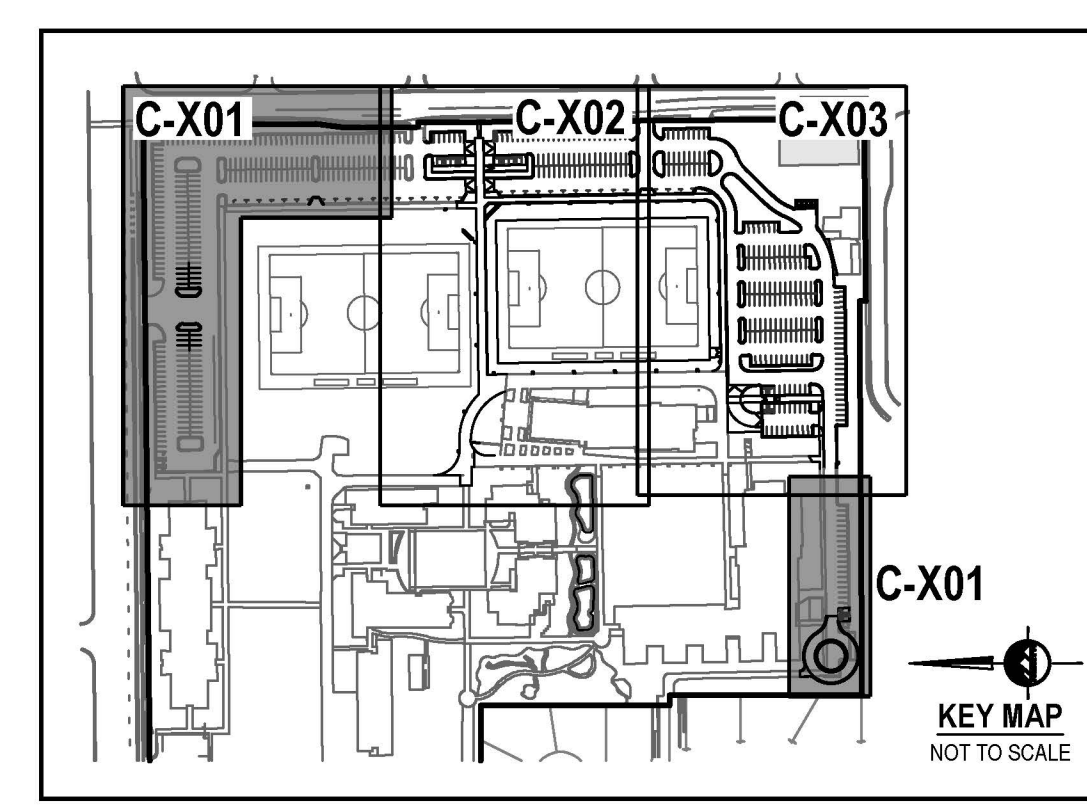
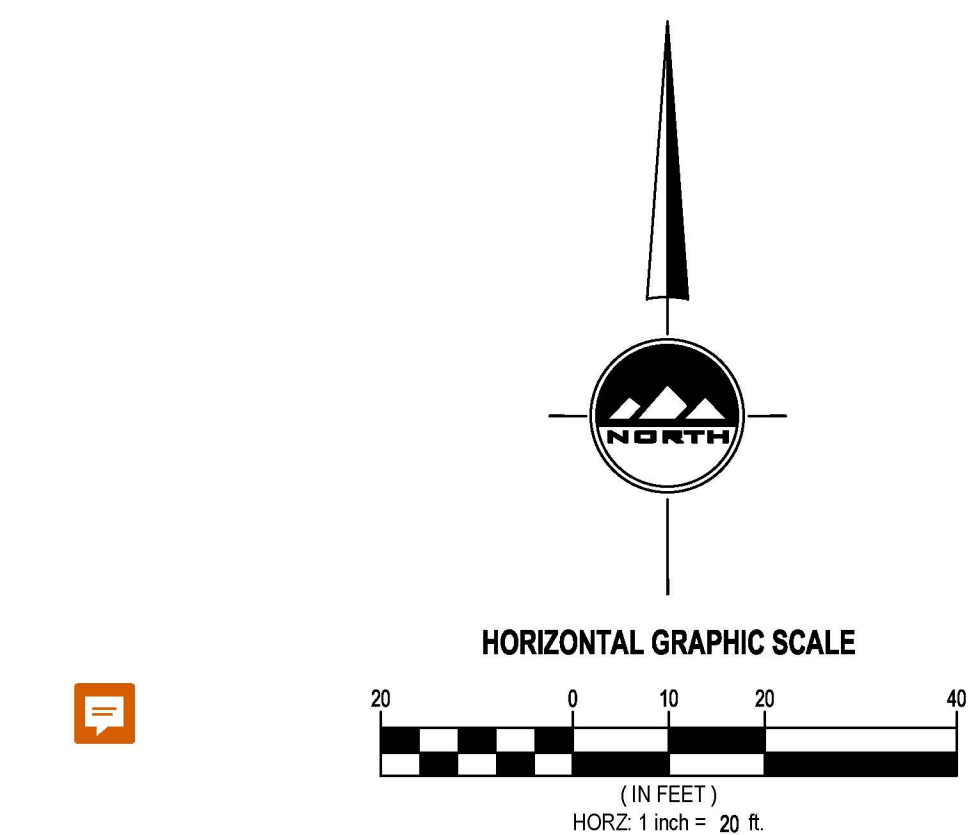
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- ## GENERAL NOTES
1. ALL WORK TO COMPLY WITH THE GOVERNING AGENCY'S STANDARDS AND SPECIFICATIONS.
 2. ALL IMPROVEMENTS MUST COMPLY WITH ADA STANDARDS AND RECOMMENDATIONS.
 3. SEE LANDSCAPE/ARCHITECTURAL PLANS FOR CONCRETE MATERIAL, COLOR, FINISH, AND SCORE PATTERNS THROUGHOUT SITE.
 4. ALL PAVEMENT MARKINGS SHALL CONFORM TO THE LATEST EDITION OF THE M.U.T.C.D. (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES).
 5. ALL SURFACE IMPROVEMENTS DISTURBED BY CONSTRUCTION SHALL BE RESTORED OR REPLACED, INCLUDING TREES AND DECORATIVE SHEDS, SOIL FENCES, WALLS AND STRUCTURES, WHETHER OR NOT THEY ARE SPECIFICALLY SHOWN ON THE CONTRACT DOCUMENTS.
 6. NOTIFY ENGINEER OF ANY DISCREPANCIES IN DESIGN OR STAKING BEFORE PLACING CONCRETE OR ASPHALT.
 7. THE CONTRACTOR IS TO PROTECT AND PRESERVE ALL EXISTING IMPROVEMENTS, UTILITIES, AND SIGNS, ETC. UNLESS OTHERWISE NOTED ON THESE PLANS.
- * SEE ARCHITECTURAL DRAWING A001 FOR PROJECT LIMITS.

- ### SCOPE OF WORK:
- PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED, THE DETAILS NOTED, AND/OR AS SHOWN ON THE CONSTRUCTION DRAWINGS.
- 1 CONCRETE SIDEWALK PER APWA PLAN 231 AND SPECIFICATIONS. SAWCUT JOINTS AND COLOR PER LANDSCAPE PLANS.
 - 2 TRANSITION BETWEEN DETAIL WC-600. JOINTS TO BE INSTALLED PER APWA PLAN 281.3C-601 AND SPECIFICATIONS. CONSTRUCTION OF SPARKING NOT TO EXCEED 10%.
 - 3 ASPHALT PAVEMENT PER DETAIL TC-600.
 - 4 TRANSITION BETWEEN COLLECTION CURB AND GUTTER AND REVERSE PAN CURB AND GUTTER.
 - 5 2" COLLECTION CURB AND GUTTER PER DETAIL WC-600.
 - 6 2" REVERSE PAN CURB AND GUTTER PER DETAIL 100C-600.
 - 7 4" WIDE SOLID WHITE PAVEMENT MARKING PER M.U.T.C.D. STANDARD PLANS.
 - 8 "HANDICAP PARKING" SIGN PER M.U.T.C.D. STANDARD PLANS.
 - 9 AIDED AREA SYMBOL AND ASSOCIATED HATCHING PER M.U.T.C.D. STANDARD PLANS.
 - 10 SITE LIGHTING SHOWING FOR REFERENCE. SEE PHOTOMETRIC PLANS FOR DESIGN AND FINAL LAYOUT.
 - 11 SEE SHEET C-204 FOR FIRE ROUTE.
 - 12 "END OF FIRE APPARATUS ACCESS ROAD" SIGN PER DETAIL WC-600.
 - 13 4 FOOT HIGH ORNAMENTAL FENCE PER LANDSCAPE PLANS.

11. INSTALL FENCE GATE.
12. ASPHALT PAVEMENT EDGE.
13. 6" CONCRETE WATERWAY PER SANDY CITY STANDARD DRAWING GQ-03.
14. 6" TYPE "1" CURB WALL PER APWA STANDARD PLAN 209.
15. HANDICAP ACCESS RAMP PER APWA STANDARD PLAN 235 WITH DETECTABLE WARNING SURFACE PER APWA STANDARD PLAN 236.
16. REMOVABLE BOLLARD.
17. TYPE "A" CURB AND GUTTER WITH 0" CURB FACE SIMILAR TO APWA STANDARD PLAN 205.
18. SANDY CITY RESIDENTIAL STREET LIGHT SHOW FOR REFERENCE. SEE PHOTOMETRIC PLANS FOR DESIGN AND FINAL LAYOUT.
19. PAINTED LANE-USE ARROWS PER M.U.T.C.D. STANDARD PLANS.
20. TRAIL ENCLOSURE PER ARCHITECTURAL PLANS WITH 6" THICK CONCRETE APRON WITH 14" REBAR @ 24" O.C. E.W. ON 6" GRAVEL BASE.
21. 18" CONCRETE MOW CURB.
22. WATERWAY PER APWA STANDARD PLAN NO. 211.
23. 20'-00" SIGHT TRIANGLE.



E D
A

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PROJECT ARCHITECT	JH
PROJECT MANAGER	KL



SALT LAKE CITY
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WWW.ENSIGNENG.COM
ENSIGN PROJECT #10651B

WATERFORD SCHOOL
PARKING ADDITION

1480 E 9400 S
SANDY, UT 84093

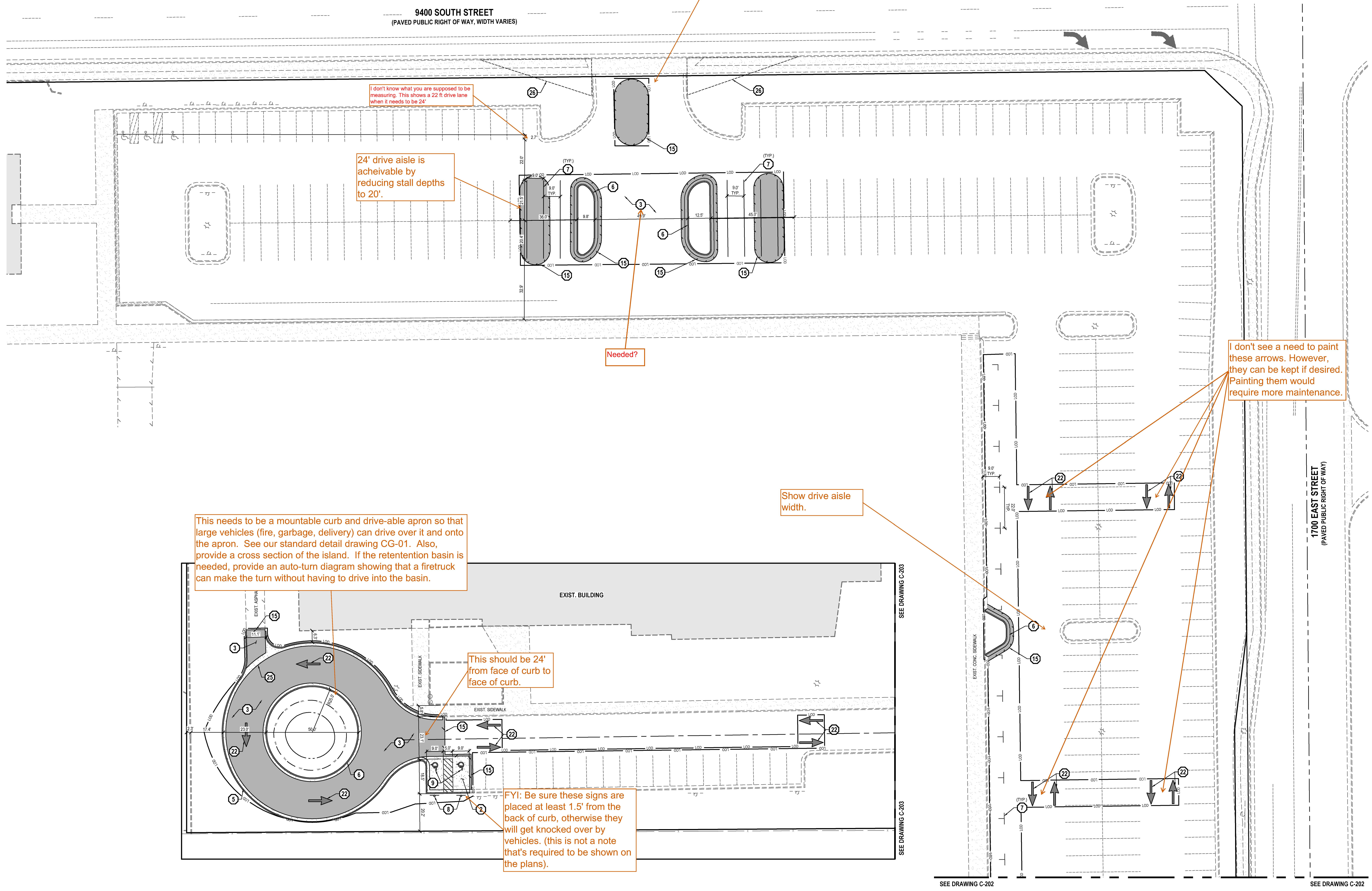
PROJECT NUMBER		-
#	DESCRIPTION	DATE
1	SITE PLAN SUBMITTAL	2/28/2023

SITE PLAN

C-201

2023

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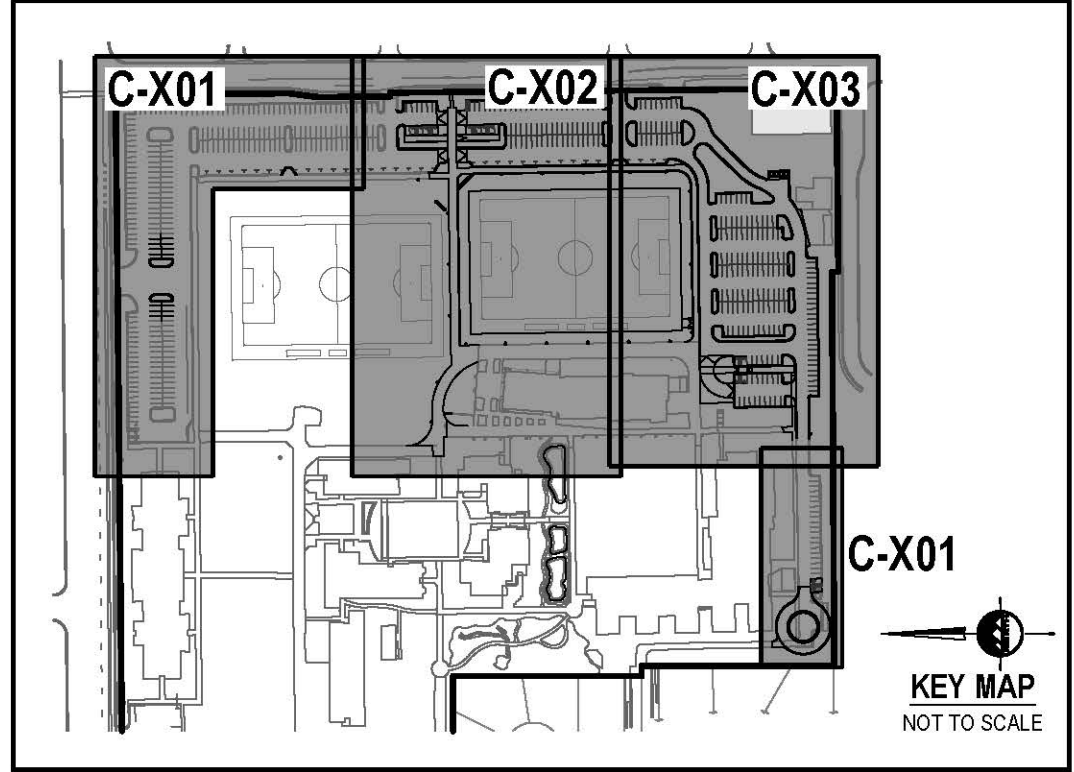


811

CALL BLUESTAKES
@ 811 AT LEAST 48
HOURS PRIOR TO THE
COMMENCEMENT OF
ANY CONSTRUCTION.
Know what's below.
Call before you dig.

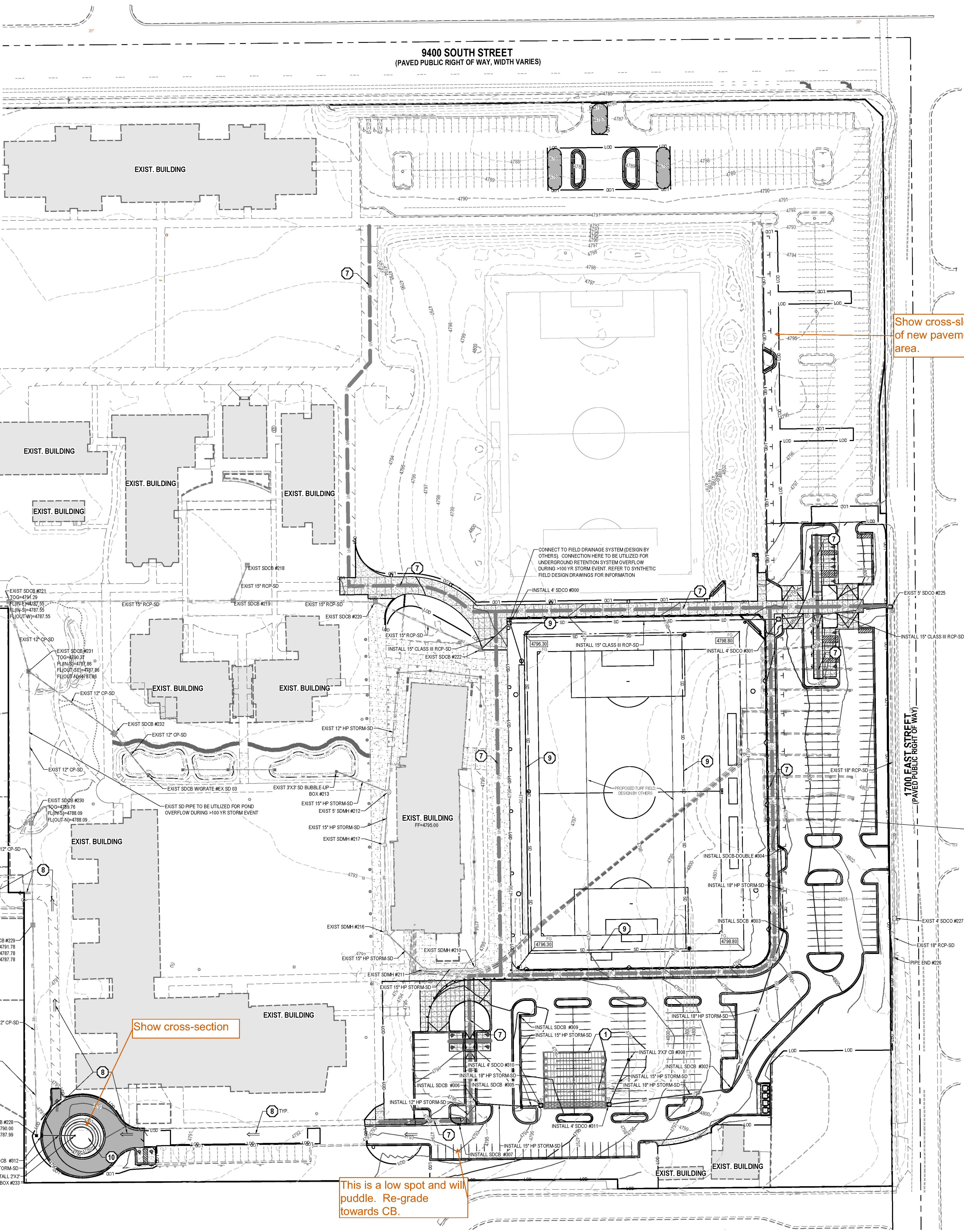
BENCHMARK

NORTH QUARTER CORNER OF
SECTION 9, TOWNSHIP 3 SOUTH,
RANGE 1 EAST
SALT LAKE BASE AND MERIDIAN
BM ELEVATION = 4790.40



SANDY CITY STORM WATER NOTES

- NOTIFY SANDY CITY PUBLIC UTILITIES INSPECTOR, 801-568-7280, AT LEAST ONE WORKING DAY (24 HOURS) PRIOR TO BEGINNING ANY CONSTRUCTION.
- A PRE-CONSTRUCTION MEETING IS REQUIRED ONCE FINAL APPROVAL HAS BEEN GRANTED. THE PRE-CONSTRUCTION MEETING SHALL BE SCHEDULED THROUGH SANDY CITY CITY PUBLIC WORKS DEPARTMENT.
- ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REVISION OF THE SANDY CITY STANDARD SPECIFICATIONS AND DETAILS FOR MINORAL CONSTRUCTION AND/OR OTHER REQUIREMENTS AS SET FORTH IN THE PUBLIC UTILITIES FINAL REVIEW AND APPROVAL LETTER ESTABLISHED FOR THE DEVELOPMENT. SPECIFICATIONS AND DETAILS CAN BE OBTAINED ON THE SANDY CITY WEBSITE.
- SUBMITTALS ARE REQUIRED TO BE APPROVED BY THE ENGINEER FOR ALL BEDDING, BACKFILL, PIPE, AND STRUCTURES (INLET BOXES, COMBO BOXES, AND JUNCTION BOXES). SUBMITTALS MUST HAVE SUFFICIENT INFORMATION TO SHOW THAT THE PROPOSED ITEMS CONFORM TO SANDY CITY STANDARDS AND SPECIFICATIONS.
- CONSTRUCTION WORK SHALL BE CONDUCTED IN ACCORDANCE WITH THE UTAH POLLUTION DISCHARGE ELIMINATION SYSTEM (LPDES) REGULATIONS.
- NON-SHRINK GROUT SHALL BE USED WHEREVER GROUT IS REQUIRED FOR THE STORM DRAIN FACILITIES.
- OUT PIPES OFF FLUSH WITH THE INSIDE WALL OF THE BOX OR MANHOLE AND GROUT AT CONNECTION OF PIPE TO BOX AS A SMOOTH FINISH. ADDITIONALLY, ALL JAGGED OR SHARP EDGES AT PIPE CONNECTIONS ARE TO BE REMOVED AND GROUTED SMOOTH.
- GROUT BETWEEN GRADE RINGS, FOR EACH INLET BOX THAT IS LOCATED NEXT TO A CURB, THE CURB AND GUTTER CONTRACTOR IS RESPONSIBLE TO REMOVE ALL PROTRUDING, JAGGED OR SHARP CONCRETE EDGES AND TO GROUT BETWEEN BOTTOM OF INLET LID FRAME AND TOP OF CONCRETE BOX. GROUT TO CREATE A SMOOTH, BEVELED TRANSITION AT ALL EDGES IN CLEAN OUT AND INLET BOXES. GROUT AROUND ALL EDGES OF THE RESTRICTIVE ORNICE PLATE.
- REMOVE SNAP TIES, NAILS, REBAR AND OTHER PROTRUSIONS FROM THE BOX OR PIPE INSIDE SURFACE, AS WELL AS ALL FOR WORK, PLASTIC AND CARDBOARD.
- SILT AND DEBRIS ARE TO BE CLEANED OUT OF ALL INLET BOXES, COMBO BOXES, JUNCTION BOXES, AND PIPE. THE BOXES AND PIPES ARE TO BE MAINTAINED IN A CLEAN CONDITION UNTIL AFTER THE FINAL BOND RELEASE INSPECTION.
- CLEAN OFF ALL MANHOLE LIDS AND INLET GRATES OF ASPHALT, CONCRETE, TAR OR OTHER ADHESIVES TO ALLOW ACCESS.
- WHERE A SUMP IS REQUIRED, THE SANDY CITY PUBLIC UTILITIES INSPECTOR SHALL BE CONTACTED PRIOR TO CONSTRUCTION TO PROVIDE AN OPPORTUNITY TO CHECK THE VOLUME OF GRAVEL AND GRAVEL GRADATION.
- SIGNS MUST BE POSTED NEAR EACH INLET BOX LOCATED IN A DRINKING WATER RECHARGE ZONE WITH THE FOLLOWING WORDS "WARNING THIS IS A DRINKING WATER AQUIFER RECHARGE AREA. DISPOSAL OF ANY WASTE MATERIALS IN THE STORM WATER IS STRICTLY PROHIBITED."
- ALL INLET, COMBO AND JUNCTION BOXES SHALL BE PLACED ON A 12-INCH (MIN.) COMPACTED STABILIZATION MATERIAL.
- A VIDEO OF ALL PIPES MUST BE COMPLETED BEFORE THE 80% OR 90% BOND RELEASE AND AGAIN BEFORE FINAL BOND RELEASE.
- A REPRESENTATIVE OF THE MANUFACTURER OR SUPPLIER SHALL BE ON SITE DURING INSTALLATION OF OIL/WATER SEPARATOR, MECHANICAL TREATMENT DEVICES, MEDICAL FILTERS, AND UNDERGROUND DETENTION/RETENTION SYSTEMS. THE MANUFACTURER OR SUPPLIER SHALL PROVIDE A LETTER STATING THAT THE SYSTEM WAS INSTALLED PER MANUFACTURER'S SPECIFICATIONS. IF IT IS UNKNOWN WHETHER A REPRESENTATIVE IS REQUIRED TO BE PRESENT DURING INSTALLATION, CONTACT THE SAND CITY PUBLIC UTILITIES INSPECTOR.
- A STAMPED "LETTER OF CONFORMANCE" FROM THE DESIGN ENGINEER IS REQUIRED TO BE SUBMITTED TO SANDY CITY PUBLIC UTILITIES DEPARTMENT, PRIOR TO 90% BOND RELEASE, STATING THAT STORM WATER FLOW CONTROL ELEMENTS AND STORM WATER TREATMENT FACILITIES (E.G. DETENTION, RETENTION, LID BEST MANAGEMENT PRACTICES, OIL/WATER SEPARATORS, PUMPS, ETC.) WERE CONSTRUCTED ACCORDING TO THE APPROVED PLANS.



GENERAL NOTES

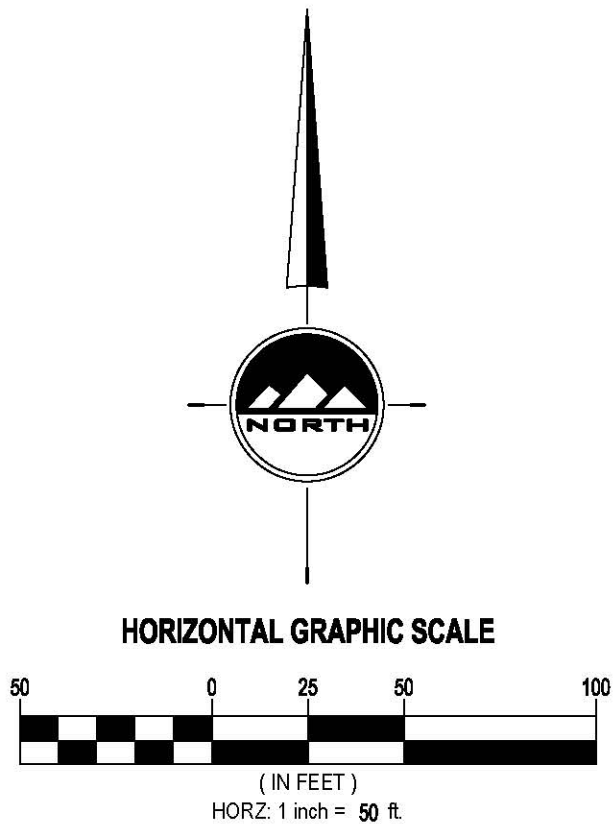
- ALL WORK TO COMPLY WITH THE GOVERNING AGENCY'S STANDARDS AND SPECIFICATIONS.
- ALL IMPROVEMENTS MUST COMPLY WITH ADA STANDARDS AND RECOMMENDATIONS.
- ALL WORK SHALL COMPLY WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER POSSIBLY INCLUDING, BUT NOT LIMITED TO, REMOVAL OF UNCONSOLIDATED FILL, ORGANICS, AND DEBRIS, PLACEMENT OF SUBSURFACE DRAIN LINES AND GEOTEXTILE, AND OVEREXCAVATION OF UNSUITABLE BEARING MATERIALS AND PLACEMENT OF ACCEPTABLE FILL MATERIAL.
- THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE EXISTING SOIL CONDITIONS.
- LANDSCAPED AREAS REQUIRE SURGRADE TO BE MAINTAINED AT A SPECIFIC ELEVATION BELOW FINISHED GRADE AND REQUIRE SURGRADE TO BE PROPERLY PREPARED AND SCARRED. SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.
- SLOPE ALL LANDSCAPED AREAS AWAY FROM BUILDING FOUNDATIONS TOWARD CURB AND GUTTER OR STORM DRAIN INLETS.
- EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND LOCATION OF THE UTILITIES SHOWN ON THESE PLANS OR INDICATED IN THE FIELD BY LOCATING SERVICES. ANY ADDITIONAL COSTS INCURRED AS A RESULT OF THE CONTRACTOR'S FAILURE TO VERIFY THE LOCATIONS OF EXISTING UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION IN THEIR VICINITY SHALL BE BORNE BY THE CONTRACTOR AND ASSUMED INCLUDED IN THE CONTRACT. THE CONTRACTOR IS TO VERIFY ALL CONNECTION POINTS WITH THE EXISTING UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO THE EXISTING UTILITIES AND UTILITY STRUCTURES THAT ARE TO REMAIN. IF CONFLICTS WITH EXISTING UTILITIES OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION TO DETERMINE IF ANY FIELD ADJUSTMENTS SHOULD BE MADE.
- ALL STORM DRAIN INFRASTRUCTURE TO BE INSTALLED PER GOVERNING AGENCY OR APWA STANDARD PLANS AND SPECIFICATIONS.
- ENSURE MINIMUM COVER OVER ALL STORM DRAIN PIPES PER MANUFACTURER'S RECOMMENDATIONS. NOTIFY ENGINEER IF MINIMUM COVER CANNOT BE ATTAINED.
- ALL FACILITIES WITH DOWNSPOUTS/ROOF DRAINS SHALL BE CONNECTED TO THE STORM DRAIN SYSTEM. SEE PLUMBING PLANS FOR DOWNSPOUT/ROOF DRAIN LOCATIONS AND SIZES. ALL ROOF DRAINS TO HAVE MINIMUM 1% SLOPE.
- THE CONTRACTOR SHALL ADJUST TO GRADE ALL EXISTING UTILITIES AS NEEDED PER LOCAL GOVERNING AGENCY'S STANDARDS AND SPECIFICATIONS.
- THE CONTRACTOR IS TO PROTECT AND PRESERVE ALL EXISTING IMPROVEMENTS, UTILITIES, AND SIGNS, ETC. UNLESS OTHERWISE NOTED ON THESE PLANS.
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- STORM DRAIN PIPE NOT CONNECTED TO UNDERGROUND DETENTION FACILITIES SHALL BE RCP CLII STORM DRAIN LINE OR APPROVED EQUAL. INSTALLATION AND TRENCHING PER APWA STANDARDS AND SPECIFICATIONS. LENGTH AND SLOPE PER PLAN.
- CURB AND GUTTER IN-LINE CATCH BASINS SHALL BE PER SANDY CITY DETAIL SW-02 AND SPECIFICATIONS UNLESS OTHERWISE NOTED. KNOCKOUT STRUCTURES SHALL HAVE A CONCRETE COLLAR THAT EXTENDS TO THE EDGE OF THE BOX PER SANDY CITY DETAIL SD-06.
- CATCH BASINS NOT IN-LINE WITH CURB AND GUTTER SHALL BE 2X2' INLET BOXES AND SHALL BE INSTALLED PER MANUFACTURER RECOMMENDATIONS. KNOCKOUT STRUCTURES SHALL HAVE A CONCRETE COLLAR THAT EXTENDS TO THE EDGE OF THE BOX PER SANDY CITY DETAIL SD-06.
- COMBINATION INLET/CLEANOUT BOXES SHALL BE PER SANDY CITY DETAIL SW-04A AND SPECIFICATIONS UNLESS OTHERWISE NOTED. KNOCKOUT BOXES SHALL HAVE A CONCRETE COLLAR THAT EXTENDS TO THE EDGE OF THE BOX PER SANDY CITY DETAIL SD-06.
- CLEANOUT BOXES SHALL BE PER SANDY CITY DETAILS SW-05A AND SW-05B AND SPECIFICATIONS UNLESS OTHERWISE NOTED. KNOCKOUT BOXES SHALL HAVE A CONCRETE COLLAR THAT EXTENDS TO THE EDGE OF THE BOX PER SANDY CITY DETAIL SD-06.

SCOPE OF WORK:

PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED. THE DETAILS NOTED, AND/OR AS SHOWN ON THE CONSTRUCTION DRAWINGS:

- UNDERGROUND RETENTION BASIN
171 CULTEC RECHARGER 302ND CHAMBERS
INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SEE DETAILS ON SHEET C-003
100-YR 24HR VOLUME REQUIRED = 17,782 CF
LID VOLUME REQUIRED = 1,553 CF
STORAGE PROVIDED = 18,146 CF
TOP OF STONE = 4792.25
TOP OF CHAMBERS = 4791.25
BOTTOM OF CHAMBERS = 4787.25
BOTTOM OF STONE = 4788.25
- ADS HP STORM STORM DRAIN PIPE OR APPROVED EQUAL. INSTALLATION AND TRENCHING PER APWA PLANS 381C-601 AND 382C-601 AND SPECIFICATIONS. LENGTH AND SLOPE PER PLAN.
- SDCB: 3X3' CATCH BASIN WITH 24" SQ. FRAME AND PEDESTALIAN SAFE GRATE. BOX PER SANDY DETAILS SD-05 AND SD-06 AND SPECIFICATIONS. SEE SHEET C-602 FOR DETAILS.
- SDCB: 2X4' CATCH BASIN WITH 24" SQ. FRAME AND PEDESTALIAN SAFE GRATE. BOX PER SANDY DETAILS SD-05 AND SD-06 AND SPECIFICATIONS. SEE SHEET C-602 FOR DETAILS.
- SDCO: JUNCTION BOX WITH 24" SOLID MANHOLE LID. BOX SIZE PER PLAN AND SANDY DETAILS SD-05 AND SD-06 AND SPECIFICATIONS. SEE SHEET C-602 FOR DETAILS.
- 3H-1V MAX. SLOPE.
- DESIGNATED ACCESSIBLE ROUTE TO PUBLIC WAY. ENSURE GRADES TO NOT EXCEED 5.00% RUNNING SLOPE AND 2.00% CROSS SLOPE. CONTRACTOR WILL BE REQUIRED AT OWN EXPENSE TO REPLACE ANY AREAS WHICH EXCEED THESE SLOPES ALONG THE ACCESSIBLE ROUTE.
- INDICATES OVERLAND FLOW PATH TO THE PUBLIC WAY. ➡
- DRAINAGE SYSTEM FOR SYNTHETIC TURF FIELD SHOWN FOR REFERENCE. DESIGN BY OTHERS. SEE TURF FIELD DESIGN DRAWINGS FOR DETAILED INFORMATION.
- STORM DRAIN INFILTRATION POND
100-YR 34HR RETENTION STORAGE = 765 CF
LID VOLUME REQUIRED = 120 CF
STORAGE PROVIDED = 1,630 CF
HML = 4790.00
BOTTOM = 4788.00

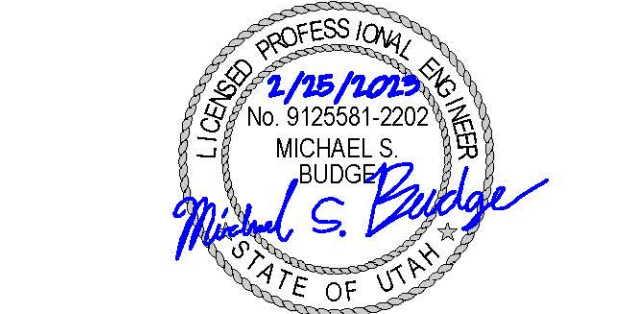
EXISTING GEOTHERMAL PIPING EXTENTS SHOWN FOR REFERENCE. SEE GEOTHERMAL DESIGN AS PART OF SCIENCE CENTER CONSTRUCTION PLANS FOR DETAILED INFORMATION.



E D A

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PROJECT ARCHITECT JH
PROJECT MANAGER KL



SALT LAKE CITY
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Sandy, UT 84070
Phone: 801.255.0529

WWW.ENSIGNENG.COM
ENSIGN PROJECT #10651B

WATERFORD SCHOOL
PARKING ADDITION

1480 E 9400 S
SANDY, UT 84093

PROJECT NUMBER		
#	DESCRIPTION	DATE
1	SITE PLAN SUBMITTAL	2/28/2023

OVERALL GRADING
AND DRAINAGE PLAN

C-300
2023

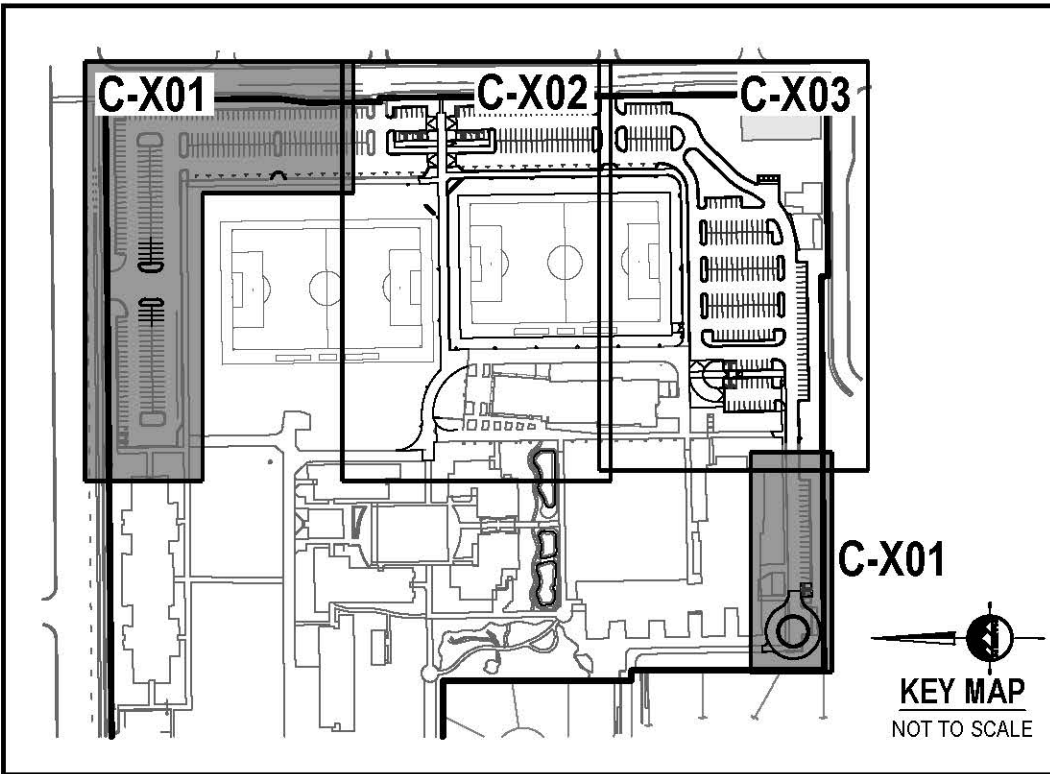
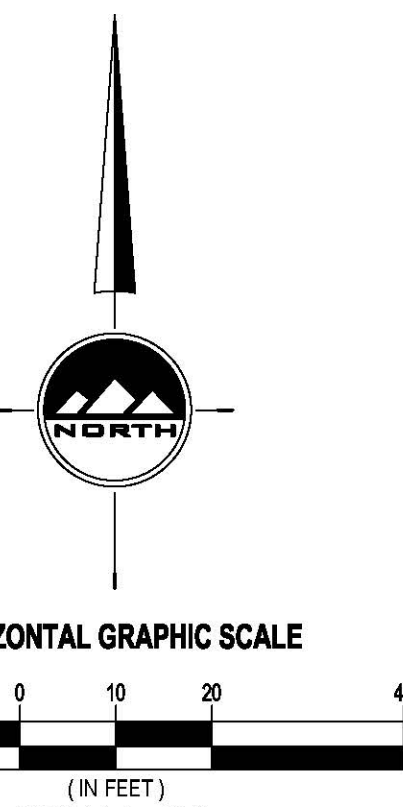
GENERAL NOTES

- ALL WORK TO COMPLY WITH THE GOVERNING AGENCY'S STANDARDS AND SPECIFICATIONS.
- ALL IMPROVEMENTS MUST COMPLY WITH ADA STANDARDS AND RECOMMENDATIONS.
- ALL WORK SHALL COMPLY WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER POSSIBLY INCLUDING, BUT NOT LIMITED TO, REMOVAL OF UNCONSOLIDATED FILL, ORGANICS, AND DEBRIS, PLACEMENT OF SUBSURFACE DRAIN LINES AND GEOTEXTILE, AND OVEREXCAVATION OF UNSUITABLE BEARING MATERIALS AND PLACEMENT OF ACCEPTABLE FILL MATERIAL.
- THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE EXISTING SOIL CONDITIONS.
- LANDSCAPED AREAS REQUIRE SUBGRADE TO BE MAINTAINED AT A SPECIFIC ELEVATION BELOW FINISHED GRADE AND REQUIRE SUBGRADE TO BE PROPERLY PREPARED AND SCARIFIED. SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.
- SLOPE ALL LANDSCAPED AREAS AWAY FROM BUILDING FOUNDATIONS TOWARD CURB AND GUTTER OR STORM DRAIN INLETS.
- EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND LOCATION OF THE UTILITIES SHOWN ON THESE PLANS OR INDICATED IN THE FIELD BY LOCATING SERVICES. ANY ADDITIONAL COSTS INCURRED AS A RESULT OF THE CONTRACTOR'S FAILURE TO VERIFY THE LOCATIONS OF EXISTING UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION IN THEIR VICINITY SHALL BE BORNE BY THE CONTRACTOR AND ASSUMED INCLUDED IN THE CONTRACT. THE CONTRACTOR IS TO VERIFY ALL CONNECTION POINTS WITH THE EXISTING UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO THE EXISTING UTILITIES AND UTILITY STRUCTURES THAT ARE TO REMAIN. IF CONFLICTS WITH EXISTING UTILITIES OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION TO DETERMINE IF ANY FIELD ADJUSTMENTS SHOULD BE MADE.
- ALL STORM DRAIN INFRASTRUCTURE TO BE INSTALLED PER GOVERNING AGENCY OR APWA STANDARD PLANS AND SPECIFICATIONS.
- ENSURE MINIMUM COVER OVER ALL STORM DRAIN PIPES PER MANUFACTURER'S RECOMMENDATIONS. NOTIFY ENGINEER IF MINIMUM COVER CANNOT BE ATTAINED.

9400 SOUTH STREET
(PAVED PUBLIC RIGHT OF WAY, WIDTH VARIES)

SANDY CITY STORM WATER NOTES

- NOTIFY SANDY CITY PUBLIC UTILITIES INSPECTOR, 801-568-7280, AT LEAST ONE WORKING DAY (24 HOURS) PRIOR TO BEGINNING ANY CONSTRUCTION.
- A PRE-CONSTRUCTION MEETING IS REQUIRED ONCE FINAL APPROVAL HAS BEEN GRANTED. THE PRE-CONSTRUCTION MEETING SHALL BE SCHEDULED THROUGH SANDY CITY CITY PUBLIC WORKS DEPARTMENT.
- ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REVISION OF THE SANDY CITY STANDARD SPECIFICATIONS AND DETAILS FOR MUNICIPAL CONSTRUCTION AND/OR OTHER REQUIREMENTS AS SET FORTH IN THE PUBLIC UTILITIES FINAL REVIEW AND APPROVAL LETTER ESTABLISHED FOR THE DEVELOPMENT. SPECIFICATIONS AND DETAILS CAN BE OBTAINED ON THE SANDY CITY WEBSITE.
- SUBMITTALS ARE REQUIRED TO BE APPROVED BY THE ENGINEER FOR ALL BEDDING, BACKFILL, PIPE, AND STRUCTURES (INLET BOXES, COMBO BOXES, AND JUNCTION BOXES). SUBMITTALS MUST HAVE SUFFICIENT INFORMATION TO SHOW THAT THE PROPOSED ITEMS CONFORM TO SANDY CITY STANDARDS AND SPECIFICATIONS.
- CONSTRUCTION WORK SHALL BE CONDUCTED IN ACCORDANCE WITH THE UTAH POLLUTION DISCHARGE ELIMINATION SYSTEM (UPDES) REGULATIONS.
- NON-SHRINK GROUT SHALL BE USED WHEREVER GROUT IS REQUIRED FOR THE STORM DRAIN FACILITIES.
- CUT PIPES OFF FLUSH WITH THE INSIDE WALL OF THE BOX OR MANHOLE AND GROUT AT CONNECTION OF PIPE TO BOX AS A SMOOTH FINISH. ADDITIONALLY, ALL JAGGED OR SHARP EDGES AT PIPE CONNECTIONS ARE TO BE REMOVED AND GROUTED SMOOTH.
- GROUT BETWEEN GRADE RINGS. FOR EACH INLET BOX THAT IS LOCATED NEXT TO A CURB, THE CURB AND GUTTER CONTRACTOR IS RESPONSIBLE TO REMOVE ALL PROTRUDING, JAGGED OR SHARP CONCRETE EDGES AND TO GROUT BETWEEN BOTTOM OF INLET LID FRAME AND TOP OF CONCRETE BOX. GROUT TO CREATE A SMOOTH, BEVELED TRANSITION AT ALL EDGES IN CLEAN OUT AND INLET BOXES. GROUT AROUND ALL EDGES OF THE RESTRICTIVE ORIFICE PLATE.
- REMOVE SNAP TIES, NAILS, REBAR AND OTHER PROTRUSIONS FROM THE BOX OR PIPE INSIDE SURFACE, AS WELL AS ALL FOR WORK, PLASTIC AND CARDBOARD.
- SILT AND DEBRIS ARE TO BE CLEANED OUT OF ALL INLET BOXES, COMBO BOXES, JUNCTION BOXES, AND PIPE. THE BOXES AND PIPES ARE TO BE MAINTAINED IN A CLEAN CONDITION UNTIL AFTER THE FINAL BOND RELEASE INSPECTION.
- CLEAN OFF ALL MANHOLE LIDS AND INLET GRATES OF ASPHALT, CONCRETE, TAR OR OTHER ADHESIVES TO ALLOW ACCESS.
- WHERE A SLUMP IS REQUIRED, THE SANDY CITY PUBLIC UTILITIES INSPECTOR SHALL BE CONTACTED PRIOR TO CONSTRUCTION TO PROVIDE AN OPPORTUNITY TO CHECK THE VOLUME OF GRAVEL AND GRAVEL GRADATION.
- SIGNS MUST BE POSTED NEAR EACH INLET BOX LOCATED IN A DRINKING WATER RECHARGE ZONE WITH THE FOLLOWING WORDS "WARNING THIS IS A DRINKING WATER AQUIFER RECHARGE AREA. DISPOSAL OF ANY WASTE MATERIALS IN THE STORM WATER IS STRICTLY PROHIBITED."
- A VIDEO OF ALL PIPES MUST BE COMPLETED BEFORE THE 80% OR 90% BOND RELEASE AND AGAIN BEFORE FINAL BOND RELEASE.
- A REPRESENTATIVE OF THE MANUFACTURER OR SUPPLIER SHALL BE ON SITE DURING INSTALLATION OF OIL/WATER SEPARATOR, MECHANICAL TREATMENT DEVICES, MEDIAL FILTERS, AND UNDERGROUND DETENTION/RETENTION SYSTEMS. THE MANUFACTURER OR SUPPLIER SHALL PROVIDE A LETTER STATING THAT THE SYSTEM WAS INSTALLED PER MANUFACTURER'S SPECIFICATIONS. IF IT IS UNKNOWN WHETHER A REPRESENTATIVE IS REQUIRED TO BE PRESENT DURING INSTALLATION, CONTACT THE SAND CITY PUBLIC UTILITIES INSPECTOR.
- A STAMPED "LETTER OF CONFORMANCE" FROM THE DESIGN ENGINEER IS REQUIRED TO BE SUBMITTED TO SANDY CITY PUBLIC UTILITIES DEPARTMENT, PRIOR TO 90% BOND RELEASE, STATING THAT STORM WATER FLOW CONTROL ELEMENTS AND STORM WATER TREATMENT FACILITIES (E.G. DETENTION, RETENTION, LID BEST MANAGEMENT PRACTICES, OIL/WATER SEPARATORS, SLUMPS, ETC.) WERE CONSTRUCTED ACCORDING TO THE APPROVED PLANS.



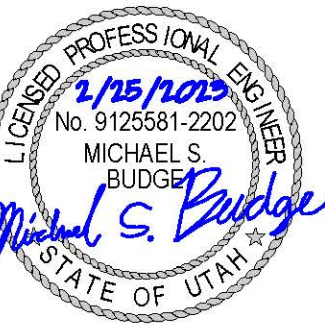
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PROJECT ARCHITECT JH
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WWW.ENSIGNENG.COM
ENSIGN PROJECT #10651B

WATERFORD SCHOOL
PARKING ADDITION

1480 E 9400 S
SANDY, UT 84093

#	DESCRIPTION	DATE
1	SITE PLAN SUBMITTAL	2/28/2023

GRADING AND
DRAINAGE PLAN

C-301
2023

© EDA

2/27/2023 9:26:34 AM

SCOPE OF WORK:
PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED. THE DETAILS NOTED, AND/OR AS SHOWN ON THE CONSTRUCTION DRAWINGS:

- UNDERGROUND RETENTION BASIN
171 GALLON RECHARGE WIND CHAMBERS
INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SEE DETAILS ON SHEET C-303
100-YR 24-HR VOLUME REQUIRED = 17,762 CF
LID VOLUME REQUIRED = 1,557 C.F.
STORAGE PROVIDED = 18,146 CF
TOP OF CHAMBERS = 4792.25
BOTTOM OF CHAMBERS = 4787.25
BOTTOM OF STONE = 4786.25
- ADS HP-STORM STORM DRAIN PIPE OR APPROVED EQUAL. INSTALLATION AND TRENCHING PER APWA PLANS 381C-601 AND 382C-601 AND SPECIFICATIONS. LENGTH AND SLOPE PER PLAN.
- SDCB: 3'x3' CATCH BASIN WITH 24" SQ. FRAME AND PEDESTRIAN SAFE GRATE. BOX PER SANDY DETAILS SD-05 AND SD-06 AND SPECIFICATIONS. SEE SHEET C-302 FOR DETAILS.
- SDCB: 2'x4' CATCH BASIN WITH 24" SQ. FRAME AND PEDESTRIAN SAFE GRATE. BOX PER SANDY DETAILS SD-05 AND SD-06 AND SPECIFICATIONS. SEE SHEET C-302 FOR DETAILS.
- SDCO: JUNCTION BOX WITH 24" SOLID MANHOLE LID. BOX SIZE PER PLAN AND SANDY DETAILS SD-05 AND SD-06 AND SPECIFICATIONS. SEE SHEET C-302 FOR DETAILS.
- 3H 1V MAX. SLOPE.

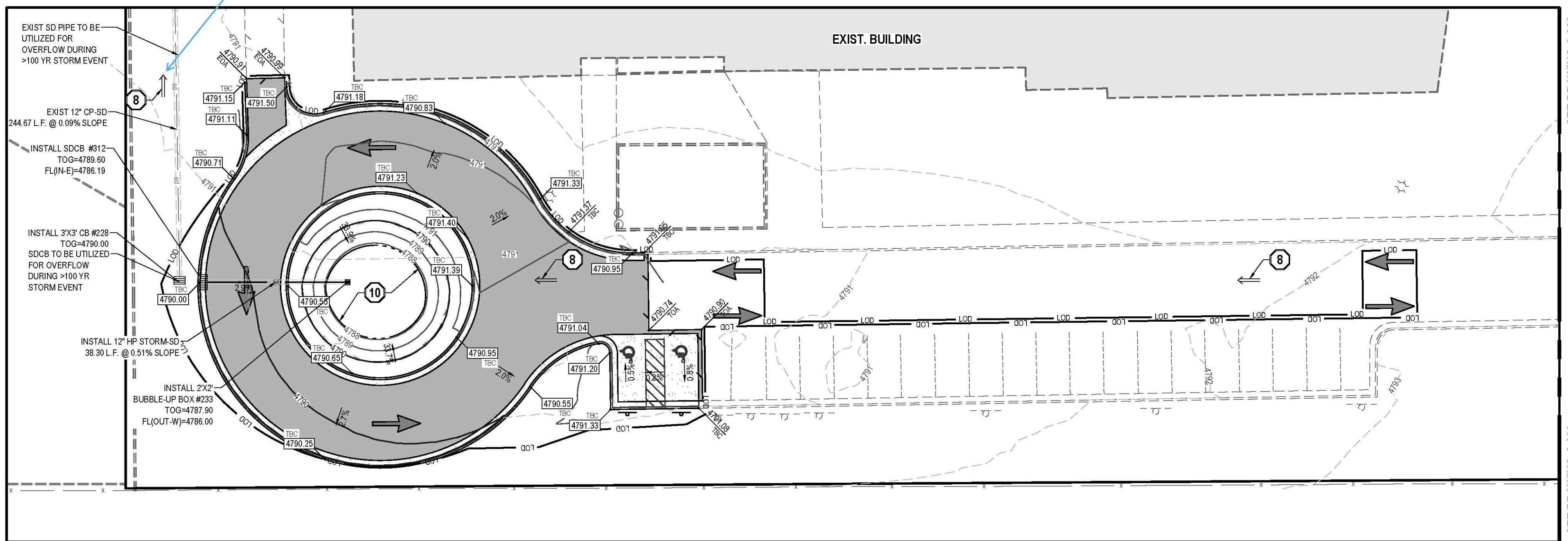
- DESIGNATED ACCESSIBLE ROUTE TO PUBLIC WAY. ENSURE GRADES DO NOT EXCEED 5.00% RUNNING SLOPE AND 2.00% CROSS SLOPE. CONTRACTOR WILL BE REQUIRED AT OWN EXPENSE TO REPLACE ANY AREAS WHICH EXCEED THESE SLOPES ALONG THE ACCESSIBLE ROUTE.
- INDICATES OVERLAND FLOW PATH TO THE PUBLIC WAY.
- DRAINAGE SYSTEM FOR SYNTHETIC TURF FIELD SHOWN FOR REFERENCE. DESIGN BY OTHERS. SEE TURF FIELD DESIGN DRAWINGS FOR DETAILED INFORMATION.
- STORM DRAIN INFILTRATION POND
100-YR 24-HR RETENTION STORAGE = 765 CF
LID VOLUME REQUIRED = 126 C.F.
STORAGE PROVIDED = 1,620 CF
HWL = 4790.00
BOTTOM = 4788.00

Does this go to Shoshone ave? We need to ensure that this flow will not effect structures. we will need an exhibit and narrative in the drainage report addressing this.

Need to show existing storm drainage system.

Is this going to be a ponding issue? Add some existing grades outside the LOD to show flows will not stop. Typical on all tie in locations for the grading plan.

Missing spot elevation



SEE DRAWING C-302

SEE DRAWING C-302

811

CALL BLUESTAKES
@ 811 AT LEAST 48
HOURS PRIOR TO THE
COMMENCEMENT OF
ANY CONSTRUCTION.
Keep what's below.
Call before you dig.

BENCHMARK

NORTH QUARTER CORNER OF
SECTION 9, TOWNSHIP 3 SOUTH,
RANGE 1 EAST,
SALT LAKE BASE AND MERIDIAN
BM ELEVATION = 4790.40

GENERAL NOTES

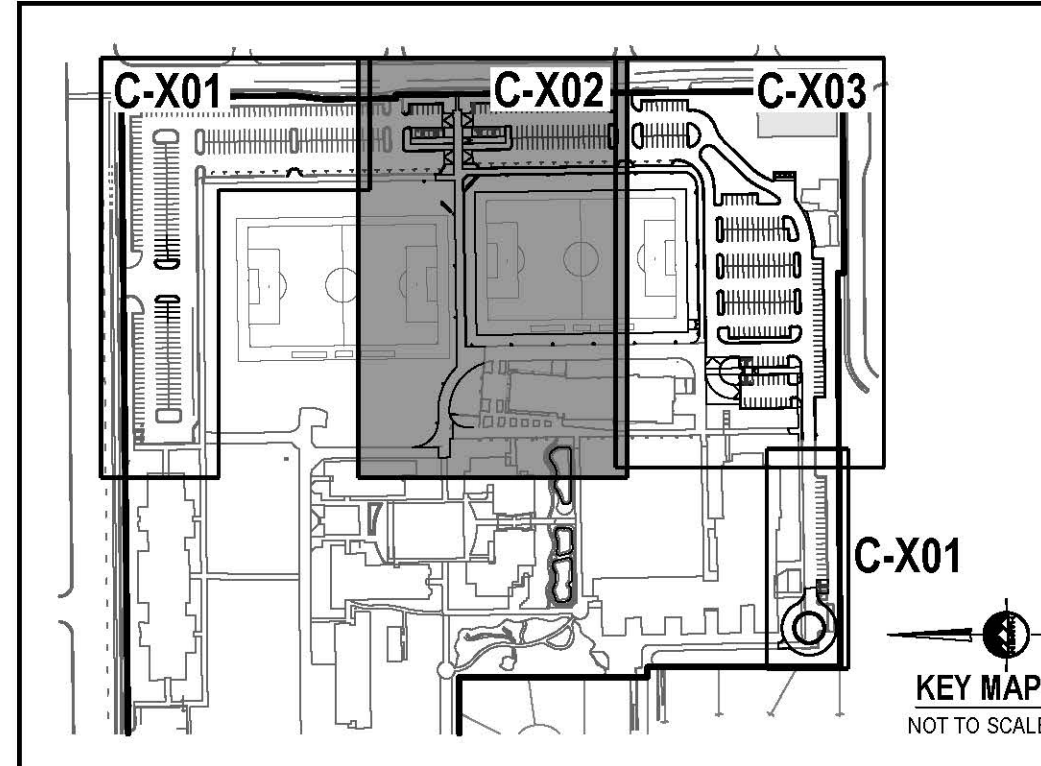
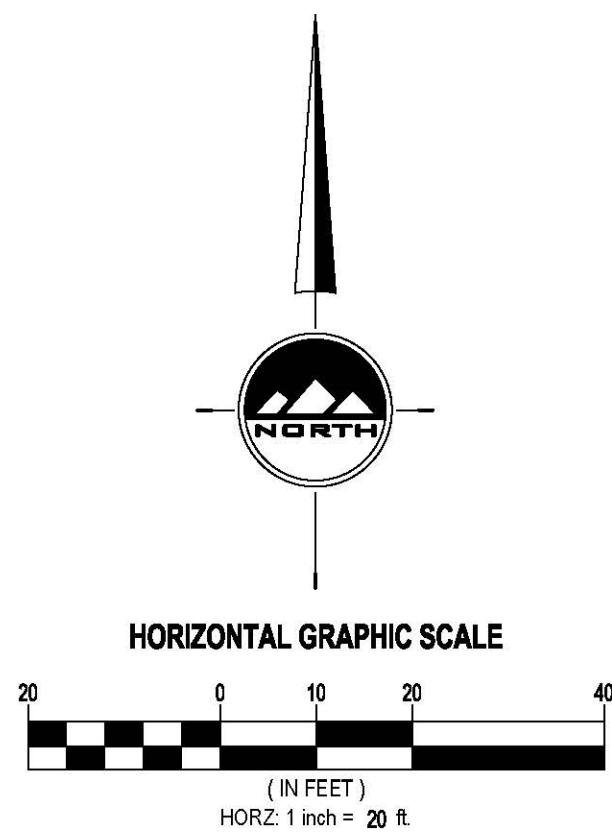
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- ALL WORK SHALL COMPLY WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER POSSIBLY INCLUDING BUT NOT LIMITED TO REMOVAL OF UNCONSOLIDATED FILL, ORGANICS AND DEBRIS, PLACEMENT OF SUBSURFACE DRAIN LINES AND GEOTEXTILE, AND OVEREXCAVATION OF UNSUITABLE BEARING MATERIALS AND PLACEMENT OF ACCEPTABLE FILL MATERIAL.
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- LANDSCAPED AREAS REQUIRE SUBGRADE TO BE MAINTAINED AT A SPECIFIC ELEVATION BELOW FINISHED GRADE AND REQUIRE SUBGRADE TO BE PROPERLY PREPARED AND SCARIFIED. SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.
- SLOPE ALL LANDSCAPED AREAS AWAY FROM BUILDING FOUNDATIONS TOWARD CURB AND GUTTER OR STORM DRAIN INLETS.
- EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND LOCATION OF THE UTILITIES SHOWN ON THESE PLANS OR INDICATED IN THE FIELD BY LOCATING SERVICES. ANY ADDITIONAL COSTS INCURRED AS A RESULT OF THE CONTRACTOR'S FAILURE TO VERIFY THE LOCATIONS OF EXISTING UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION IN THEIR VICINITY SHALL BE BORNE BY THE CONTRACTOR AND ASSUMED INCLUDED IN THE CONTRACT. THE CONTRACTOR IS TO VERIFY ALL CONNECTION POINTS WITH THE EXISTING UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO THE EXISTING UTILITIES AND UTILITY STRUCTURES THAT ARE TO REMAIN. IF CONFLICTS WITH EXISTING UTILITIES OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION TO DETERMINE IF ANY FIELD ADJUSTMENTS SHOULD BE MADE.
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- ALL FACILITIES WITH DOWNSPOUTS/ROOF DRAINS SHALL BE CONNECTED TO THE STORM DRAIN SYSTEM. SEE PLUMBING PLANS FOR DOWNSPOUTS/ROOF DRAIN LOCATIONS AND SIZES. ALL ROOF DRAINS TO HAVE MINIMUM 1% SLOPE.
- THE CONTRACTOR SHALL ADJUST TO GRADE ALL EXISTING UTILITIES AS NEEDED PER LOCAL GOVERNING AGENCY'S STANDARDS AND SPECIFICATIONS.
- NOTIFY ENGINEER OF ANY DISCREPANCIES IN DESIGN OR STAKING BEFORE PLACING CONCRETE, ASPHALT, OR STORM DRAIN STRUCTURES OR PIPES.
- THE CONTRACTOR IS TO PROTECT AND PRESERVE ALL EXISTING IMPROVEMENTS, UTILITIES, AND SIGNS, ETC. UNLESS OTHERWISE NOTED ON THESE PLANS.
- STORM DRAIN PIPE NOT CONNECTED TO UNDERGROUND DETENTION FACILITIES SHALL BE RCP CULVI STORM DRAIN LINE OR APPROVED EQUAL. INSTALLATION AND TRENCHING PER APWA STANDARDS AND SPECIFICATIONS. LENGTH AND SLOPE PER PLAN.
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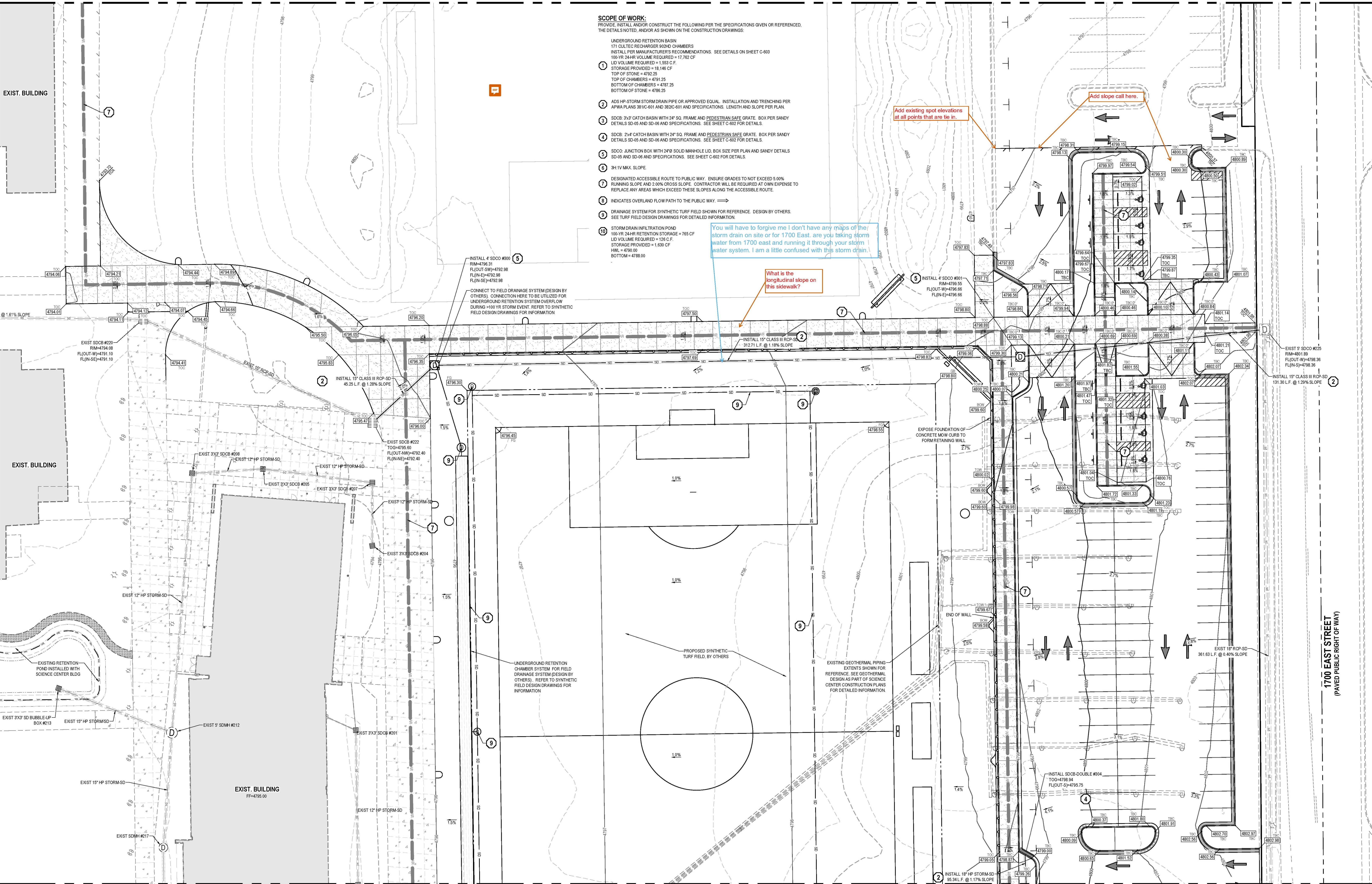
SANDY CITY STORM WATER NOTES

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- CUT PIPES OFF FLUSH WITH THE INSIDE WALL OF THE BOX OR MANHOLE AND GROUT AT CONNECTION OF PIPE TO BOX AS A SMOOTH FINISH. ADDITIONALLY, ALL JAGGED OR SHARP EDGES AT PIPE CONNECTIONS ARE TO BE REMOVED AND GROUTED SMOOTH.
- GROUT BETWEEN GRADE RINGS FOR EACH INLET BOX THAT IS LOCATED NEXT TO A CURB. THE CURB AND GUTTER CONTRACTOR IS RESPONSIBLE TO REMOVE ALL PROTRUDING, JAGGED OR SHARP CONCRETE EDGES AND TO GROUT BETWEEN BOTTOM OF INLET LID FRAME AND TOP OF CONCRETE BOX. GROUT TO CREATE A SMOOTH, BEVELED TRANSITION AT ALL EDGES IN CLEAN OUT AND INLET BOXES. GROUT AROUND ALL EDGES OF THE RESTRICTIVE ORIFICE PLATE.
- REMOVE SNAP TIES, NAILS & REBAR AND OTHER PROTRUSIONS FROM THE BOX OR PIPE INSIDE SURFACE, AS WELL AS ALL FOR WORK, PLASTIC AND CARDBOARD.

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- CLEAN OFF ALL MANHOLE LIDS AND INLET GRATES OF ASPHALT, CONCRETE, TAR OR OTHER ADHESIVES TO ALLOW ACCESS.
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- ALL INLET, COMBO AND JUNCTION BOXES SHALL BE PLACED ON A 12-INCH (MIN) COMPACTED STABILIZATION MATERIAL.
- A VIDEO OF ALL PIPES MUST BE COMPLETED BEFORE THE 80% OR 90% BOND RELEASE AND AGAIN BEFORE FINAL BOND RELEASE.
- A REPRESENTATIVE OF THE MANUFACTURER OR SUPPLIER SHALL BE ON SITE DURING INSTALLATION OF OIL/WATER SEPARATOR, MECHANICAL TREATMENT DEVICES, MEDIAL FILTERS, AND UNDERGROUND DETENTION/RETENTION SYSTEMS. THE MANUFACTURER OR SUPPLIER SHALL PROVIDE A LETTER STATING THAT THE SYSTEM WAS INSTALLED PER MANUFACTURER'S SPECIFICATIONS. IF IT IS UNKNOWN WHETHER A REPRESENTATIVE IS REQUIRED TO BE PRESENT DURING INSTALLATION, CONTACT THE SANDY CITY PUBLIC UTILITIES INSPECTOR.
- A STAMPED "LETTER OF CONFORMANCE" FROM THE DESIGN ENGINEER IS REQUIRED TO BE SUBMITTED TO SANDY CITY PUBLIC UTILITIES DEPARTMENT. PRIOR TO 80% BOND RELEASE, STATING THAT STORM WATER FLOW CONTROL ELEMENTS AND STORM WATER TREATMENT FACILITIES (E.G. DETENTION, RETENTION, LID BEST MANAGEMENT PRACTICES, OIL-WATER SEPARATORS, SUMPS, ETC.) WERE CONSTRUCTED ACCORDING TO THE APPROVED PLANS.



SEE DRAWING C-301



SEE DRAWING C-301

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PROJECT ARCHITECT JH
PROJECT MANAGER KL



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ENSGN PROJECT #10651B

WATERFORD SCHOOL
PARKING ADDITION

1480 E 9400 S
SANDY, UT 84093

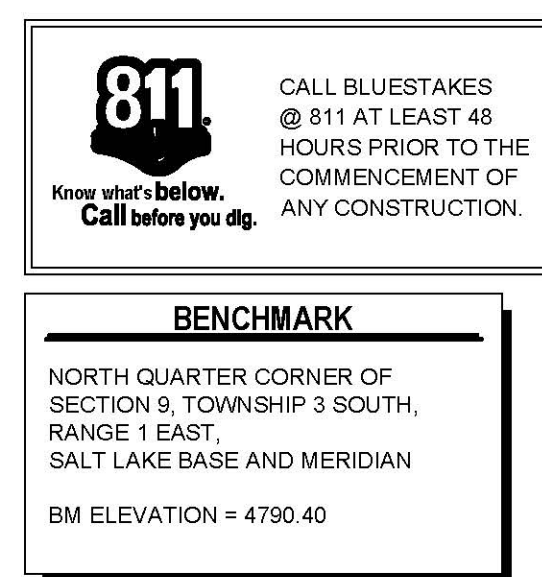
#	DESCRIPTION	DATE
1	SITE PLAN SUBMITTAL	2/28/2023

GRADING AND
DRAINAGE PLAN

C-302
2023

C-EDA

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GENERAL NOTES

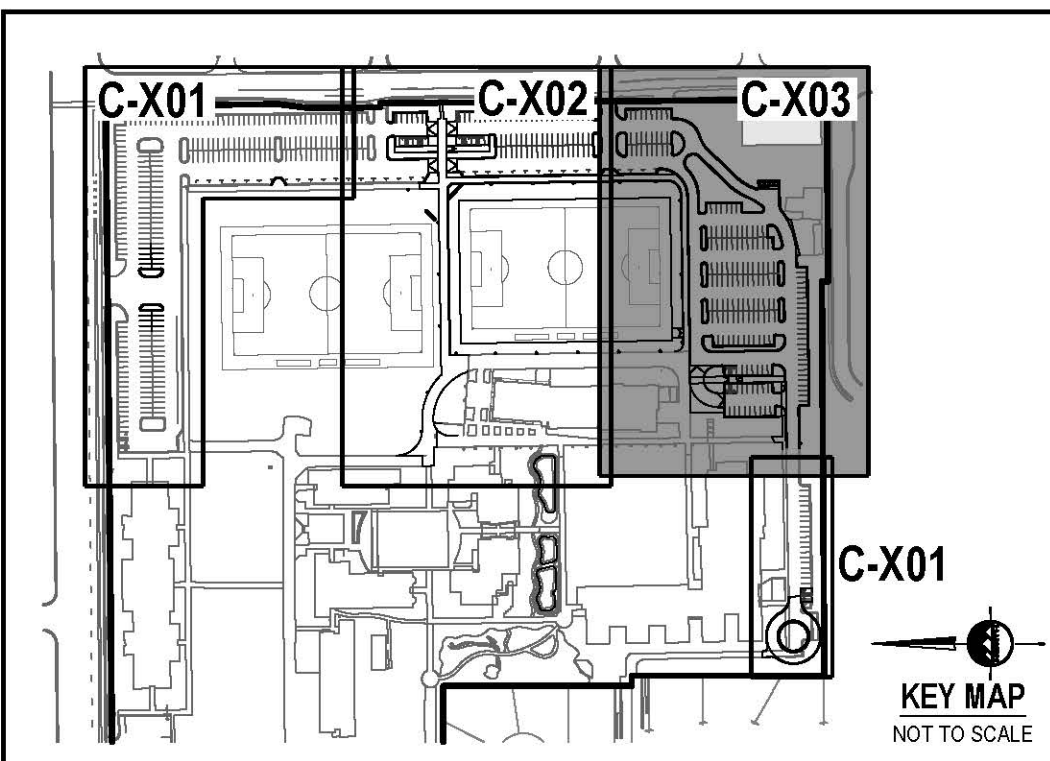
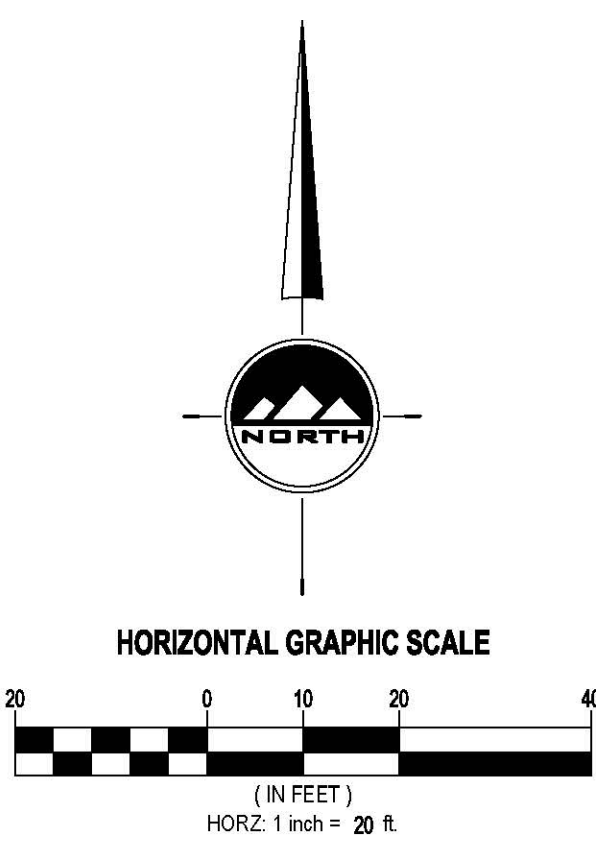
2. ALL WORK TO COMPLY WITH THE GOVERNING AGENCY'S STANDARDS AND SPECIFICATIONS.
3. ALL IMPROVEMENTS MUST COMPLY WITH ADA STANDARDS AND RECOMMENDATIONS.
4. ALL WORK SHALL COMPLY WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER POSSIBLY INCLUDING, BUT NOT LIMITED TO: REMOVAL OF UNCONSOLIDATED FILL, ORGANICS, DEBRIS; PLACEMENT OF SUBSURFACE DRAIN LINES AND GEOTEXTILE; AND OVEREXCAVATION OF UNDESIRABLE BEARING MATERIALS; AND PLACEMENT OF ADEQUATE FILL TO MEET ALL DESIGN CRITERIA.
5. THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE EXISTING SLOPE CONDITIONS.
6. LANDSCAPED AREAS REQUIRE SURGRADE TO BE MAINTAINED AT A SPECIFIC ELEVATION BELOW FINISHED GRADE AND REQUIRE SURGRADE TO BE PROPERLY PREPARED AND SOURED. SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.
7. SLOPE ALL LANDSCAPED AREAS AWAY FROM BUILDING FOUNDATIONS TOWARD CURB AND GUTTER OR STORM DRAIN INLETS.
8. EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS AND THE INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS. LOCATIONS WHICH HAVE NOT BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE, IDENTIFY, AND RECORD THE LOCATION OF ALL UTILITIES SHOWN ON THE PLANS OR INDICATED IN THE FIELD BY LOCATING SERVICES. ANY ADDITIONAL COSTS INCURRED AS A RESULT OF THE CONTRACTOR'S FAILURE TO LOCATE UTILITIES OR TO PROTECT THEM SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THEIR RISK SHALL BE BORNE BY THE CONTRACTOR AND ASSUMED INCLUDING IN THE CONTRACT. THE CONTRACTOR IS TO VERIFY ALL CONDITIONS PRIOR TO THE EXISTING UTILITIES. THE CONTRACTOR IS TO BE RESPONSIBLE FOR ANY DAMAGE CAUSED BY THE EXISTING UTILITIES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IN WRITING OF ANY DAMAGE TO EXISTING UTILITIES. ANY DAMAGE TO EXISTING UTILITIES, IF IT OCCURS, IF IT CONFLICTS WITH THE EXISTING SLOPE, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IN WRITING OF ANY DAMAGE TO EXISTING UTILITIES. ANY DAMAGE TO EXISTING UTILITIES, IF IT OCCURS, IF IT CONFLICTS WITH THE EXISTING SLOPE, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IN WRITING OF ANY DAMAGE TO EXISTING UTILITIES.
9. ALL STORM DRAIN INFRASTRUCTURE TO BE INSTALLED PER GOVERNING AGENCY OR APWA STANDARD PLANS AND SPECIFICATIONS.

1. ENSURE MINIMUM COVER OVER ALL STORMDRAIN PIPES PER MANUFACTURER'S RECOMMENDATIONS. NOTIFY ENGINEER IF MINIMUM COVER CANNOT BE ATTAINED.
2. ALL FACILITIES WITH DOWNSPOUT/ROOF DRAINS SHALL BE CONNECTED TO THE STORMDRAIN SYSTEM. SEE PLUMBING PLANS FOR DOWNSPOUT/ROOF DRAIN LOCATIONS AND SIZES. ALL ROOF DRAINS SHALL HAVE MINIMUM 1% SLOPE.
3. THE CONTRACTOR SHALL ADJUST TO GRADE ALL EXISTING UTILITIES AS NEEDED PER LOCAL GOVERNING AGENCY'S STANDARDS AND SPECIFICATIONS.
4. NOTIFY ENGINEER OF ANY DISCREPANCIES IN DESIGN OR STAKING BEFORE PLACING CONCRETE, ASPHALT, OR STORM DRAIN STRUCTURES OR PIPES.
5. THE CONTRACTOR IS TO PROTECT AND PRESERVE ALL EXISTING IMPROVEMENTS, UTILITIES, AND SIGNS, ETC. UNLESS OTHERWISE NOTED ON THESE PLANS.
6. STORMDRAIN PIPE NOT CONNECTED TO UNDERGROUND DETENTION FACILITIES SHALL BE RCP OR CURE STORM DRAINLINE OR APPROVED EQUAL. INSTALLATION AND TRENCHING PER AFWA STANDARDS AND SPECIFICATIONS. LENGTH AND MATERIAL PER PLAN.
7. CURB AND GUTTER IN-LINE CATCH BASINS SHALL BE PER SANDY CITY DETAIL S-60 AND SPECIFICATIONS UNLESS OTHERWISE NOTED. KNOCKOUT STRUCTURES SHALL HAVE A CONCRETE COLLAR THAT EXTENDS TO THE EDGE OF THE BOX PER SANDY CITY DETAIL S-D-6.
8. CATCH BASINS NOT IN-LINE WITH CURB AND GUTTER SHALL BE 2'X2'x16" BOXES AND SHALL BE INSTALLED PER MANUFACTURER RECOMMENDATIONS. KNOCKOUT STRUCTURES SHALL HAVE A CONCRETE COLLAR THAT EXTENDS TO THE EDGE OF THE BOX PER SANDY CITY DETAIL S-D-6.
9. COMBINATION IN-LET/CATCH BASINS SHALL BE PER SANDY CITY DETAIL S-60 AND SPECIFICATIONS UNLESS OTHERWISE NOTED. KNOCKOUT BOXES SHALL HAVE A CONCRETE COLLAR THAT EXTENDS TO THE EDGE OF THE BOX PER SANDY CITY DETAIL S-D-6.
10. CLEANOUT BOXES SHALL BE PER SANDY CITY DETAILS S-65A AND S-65B AND SPECIFICATIONS UNLESS OTHERWISE NOTED. KNOCKOUT BOXES SHALL HAVE A CONCRETE COLLAR THAT EXTENDS TO THE EDGE OF THE BOX PER SANDY CITY DETAIL S-D-6.

SANDY CITY STORM WATER NOTES

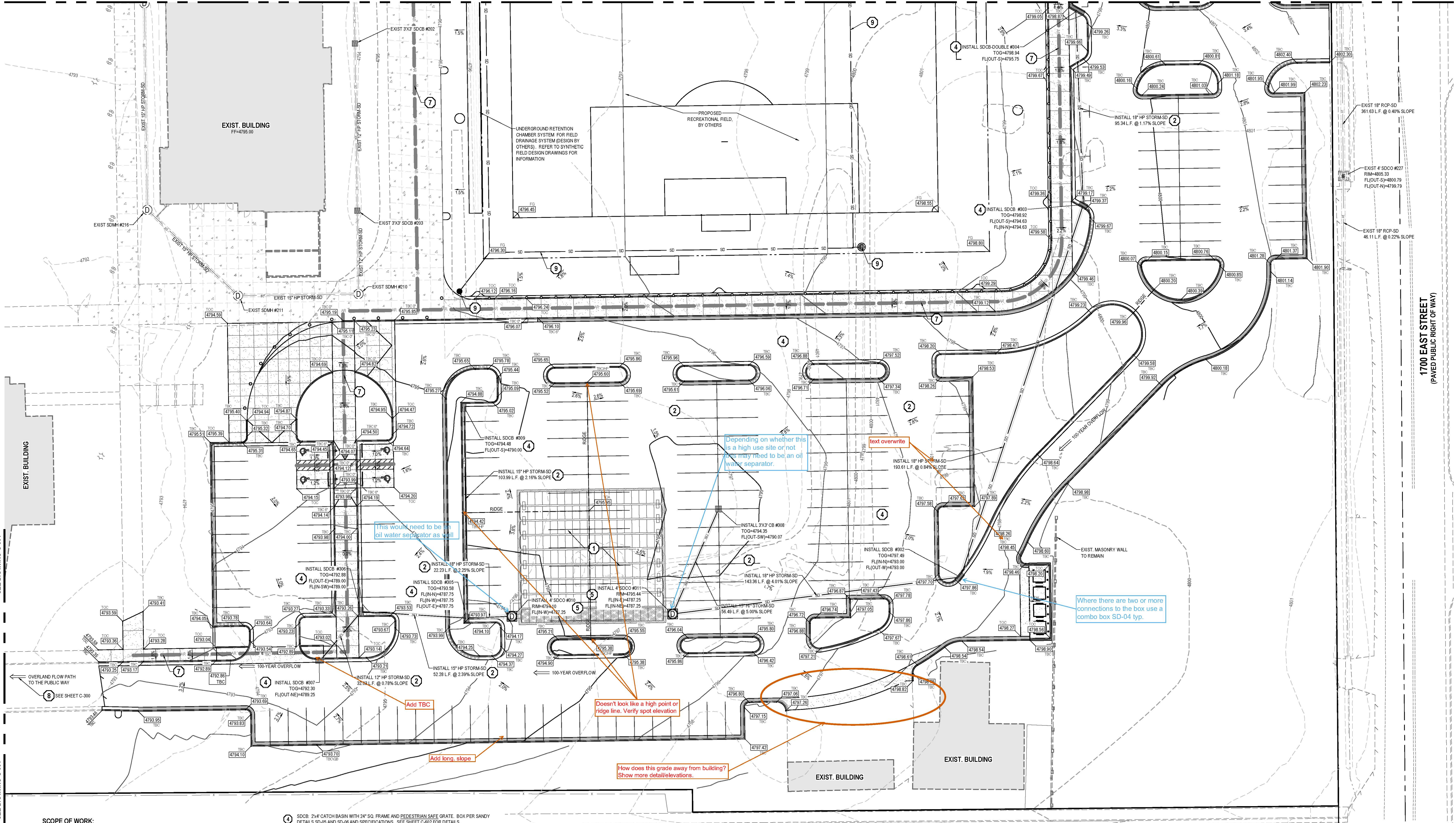
2. NOTIFY SANDY CITY PUBLIC UTILITIES INSPECTOR, PH: 565-7280, AT LEAST ONE WORKING DAY PRIOR TO 24 HOURS OF THE START OF THE PROJECT.
3. A PRE-CONSTRUCTION MEETING IS REQUIRED ON FINAL APPROVAL HAS BEEN GRANTED. THE PRE-CONSTRUCTION MEETING SHALL BE SCHEDULED THROUGH SANDY CITY PUBLIC WORKS DEPARTMENT.
4. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REVISION OF THE SANDY CITY STANDARD SPECIFICATIONS AND DETAILS FOR MUNICIPAL CONSTRUCTION AND/OR OTHER REQUIREMENTS AS SET FORTH IN THE PUBLIC UTILITIES FINAL REVIEW AND APPROVAL LETTER ESTABLISHED FOR THE DEVELOPMENT.
5. EXISTING AND PROPOSED UTILITY LOCATIONS ON THE SANDY CITY MAPS SHALL BE VERIFIED.
6. SUBMITTALS ARE REQUIRED TO BE APPROVED BY THE ENGINEER FOR ALL REDDING, BACKFILL, PIPE, AND STRUCTURES (INLET BOXES, COMBO BOXES, AND JUNCTION BOXES). SUBMITTALS MUST HAVE SUFFICIENT INFORMATION TO SHOW THAT THE PROPOSED ITEMS CONFORM TO SANDY CITY STANDARDS AND SPECIFICATIONS.
7. CONSTRUCTION WORK SHALL BE CONDUCTED IN ACCORDANCE WITH THE UTAH POLLUTION DISCHARGE ELIMINATION SYSTEM (UPDES) REGULATIONS.
8. NON-SINKING GROUT SHALL BE USED WHEREVER GROUT IS REQUIRED FOR THE STORM DRAIN FACILITIES.
9. CUT PIPS AS FLOUSH WITH THE INSIDE WALL OF THE BOX OR MANHOLE AND GROUT AT CONNECTION OF PIPE TO BOX AS A SMOOTH FINISH. ADDITIONALLY, ALL JAGGED OR SHARP EDGES AT PIPE CONNECTIONS ARE TO BE REMOVED AND GROUTED SMOOTH.
10. GROUT BETWEEN GRADE RINGS. FOR EACH INLET BOX THAT IS LOCATED NEAR TO A CURB, THE CURB AND THE BOX SHALL BE GROUTED TOGETHER TO REMOVE ALL PROTRUDING, JAGGED OR SHARP CONNECTION EDGES AND TO GROUT BETWEEN BOTTOM OF ALL LID EDGES IN FRAME AND TOP OF CONCRETE BOX. GROUT AROUND EACH CEMENT SMOOTH. REMOVE TRANSITION AT ALL LID EDGES IN CLEAR AND INLET BOXES. GROUT AROUND ALL CREATES OF THE STORM DRAIN.
11. REMOVE SAMP TIES, NAILS, REBAR AND OTHER PROTRUSIONS FROM THE BOX OR PIPE INLET SURFACE, AS WELL AS ALL FLOW TO FLOW, PLASTIC AND CARDBOARD.

3. ALL DEBRIS ARE TO BE CLEANED OUT OF ALL INLET BOXES, COMBIO BOXES, JUNCTION BOXES, AND PIPE. THE INLET BOXES ARE TO BE MAINTAINED IN A CLEAN CONDITION UNTIL AFTER THE FINAL BOND LEASE INSPECTION.
4. CLEAN OFF ALL MANHOLE LIDS AND INLET GRATES OF ASPHALT, CONCRETE, TAR OR OTHER ADHESIVE TO ALLOW ACCESS.
5. WHERE A SIGN IS REQUIRED, THE SANDY CITY PUBLIC UTILITIES INSPECTOR SHALL BE CONTACTED PRIOR TO CONSTRUCTION TO PROVIDE AN OPPORTUNITY TO CHECK THE VOLUME OF GRAVEL AND GRAVEL GRADATION.
6. SIGNS MUST BE POSTED NEAR EACH INLET BOX LOCATED IN A DRINKING WATER RECHARGE ZONE, WITH THE FOLLOWING WORDS "WARNING THIS IS DRINKING WATER AQUIFER RECHARGE AREA, DISPOSAL OF ANY WASTE MAY LEAD TO THE DRINKING WATER BEING STRICTLY PROHIBITED".
7. ALL INLET, COMBIO AND JUNCTION BOXES SHALL BE COVERED ON A 12-INCH (MIN.) COMPACTED STABILIZATION MATERIAL.
8. A VIDEO OF ALL PIPES MUST BE COMPLETED BEFORE THE 80% OR 90% BOND LEASE AND AGAIN BEFORE FINAL BOND LEASE SYSTEMS.
9. A REPRESENTATIVE OF THE MANUFACTURER OR SUPPLIER SHALL BE ON SITE DURING INSTALLATION OF OILWATER SEPARATOR, MECHANICAL TREATMENT DEVICES, MEDIA FILTERS, AND UNDERGROUND STORAGE TANKS. THE DESIGN ENGINEER SHALL BE PRESENT. THE MANUFACTURER OR SUPPLIER SHALL PROVIDE A LETTER THAT THE SYSTEM WAS INSTALLED PER MANUFACTURER'S SPECIFICATIONS. IF IT IS UNKNOWN WHETHER A REPRESENTATIVE IS REQUIRED TO BE PRESENT DURING INSTALLATION, CONTACT THE SANDY CITY PUBLIC UTILITIES DEPARTMENT.
10. STAFFED "LETTER OF CONFORMANCE" (FROM THE DESIGN ENGINEER) IS REQUIRED TO BE SUBMITTED TO SANDY CITY PUBLIC UTILITIES DEPARTMENT PRIOR TO 90% BOND LEASE, STATING THAT THE STORM WATER FLO CONTROL ELEMENTS AND STORM WATER TREATMENT FACILITIES (E.G. DETENTION, RETENTION, LID BEST MANAGEMENT PRACTICES, OIL-WATER SEPARATORS, SUMPS, ETC.) WERE CONSTRUCTED ACCORDING TO THE APPROVED PLANS.



SEE DRAWING C-302

SEE DRAWING C-302



SCOPE OF WORK:
 PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED
 THE DETAILS NOTED, AND/OR AS SHOWN ON THE CONSTRUCTION DRAWINGS:

- UNDERGROUND RETENTION BASIN
171 CULTEC RECHARGER 902-D CHAMBERS
INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SEE DETAILS ON SHEET C-603
100-YR 24-HR VOLUME REQUIRED = 17,762 CF
LID VOLUME REQUIRED = 1,553 C.F.
STORAGE PROVIDED = 18,146 CF
TOP OF STONE = 4792.25
TOP OF CHAMBERS = 4791.25
BOTTOM OF CHAMBERS = 4787.25
BOTTOM OF STONE = 4786.25

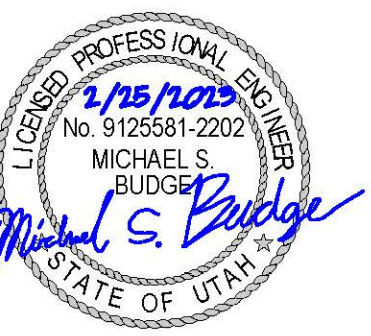
- ② ADS HP-STORM DRAIN PIPE OR APPROVED EQUAL. INSTALLATION AND TRENCHING PER APWA PLANS 381/C-601 AND 382/C-601 AND SPECIFICATIONS. LENGTH AND SLOPE PER PLAN.
- ③ SDCB: 3'x3' CATCH BASIN WITH 24" SQ. FRAME AND PEDESTRIAN SAFE GRATE. BOX PER SANDY DETAILS SD-05 AND SD-06 AND SPECIFICATIONS. SEE SHEET C-602 FOR DETAILS.

- ④ SDO: 2" V/C BATH BASIN WITH 24" SDO FRAME AND PEDESTAL SAFETY GRATE. BOX PER SANDY DETAILS SDO-05 AND SDO-06 AND SPECIFICATIONS. SEE SHEET C-602 FOR DETAILS.
- ⑤ SDO: LUNcheon BOX WITH 24" SOLID MANGHOLE LID. BOX SIZE PER PLAN AND SANDY DETAILS SDO-05 AND SDO-06 AND SPECIFICATIONS. SEE SHEET C-602 FOR DETAILS.
- ⑥ 3.11% MAX. SLOPE
- ⑦ DESIGNATED ACCESSIBLE ROUTE TO PUBLIC WAY. ENSURE GRASSES DO NOT EXCEED 5.00% SLOPE. 3.11% MAX. SLOPE. CONTRACTOR WILL BE REQUIRED AT OWNERS EXPENSE TO REPAIR ANY AREAS WHICH EXCEED THESE SLOPES ALONG THE ACCESSIBLE ROUTE.
- ⑧ INDICATES OVERLAND FLOW PATH TO THE PUBLIC WAY. ➡
- ⑨ DRAINAGE SYSTEM FOR SYNTHETIC TURF FIELD SHOWN FOR REFERENCE. DESIGN BY OTHERS. SEE TURF FIELD DESIGN DRAWINGS FOR DETAILED INFORMATION.
- ⑩ STORM DRAIN INFILTRATION POND:
100-HR. 24-HR. RETENTION STORAGE = 785 CF
VOLUME REQUIRED = 126 CF
STORAGE PROVIDED = 1,630 CF
HWL = 4759.00
BOTTOM = 4738.00

E D
A

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ENSIGN PROJECT #10651B

WATERFORD SCHOOL PARKING ADDITION

1480 E 9400 S
SANDY, UT 84093

PROJECT NUMBER		
#	DESCRIPTION	DATE
1	SITE PLAN SUBMITTAL	2/28/2023

GRADING AND DRAINAGE PLAN

C-303

2023

© ED

811

CALL BLUESTAKES
@ 811 AT LEAST 48
HOURS PRIOR TO THE
COMMENCEMENT OF
ANY CONSTRUCTION.
Know what's below.
Call before you dig.

BENCHMARK

NORTH QUARTER CORNER OF
SECTION 9, TOWNSHIP 3 SOUTH,
RANGE 1 EAST
SALT LAKE BASE AND MERIDIAN
BM ELEVATION = 4790.40

GENERAL NOTES

1. ALL WORK TO COMPLY WITH THE GOVERNING AGENCY'S STANDARDS AND SPECIFICATIONS.

2. ALL IMPROVEMENTS MUST COMPLY WITH ADA STANDARDS AND RECOMMENDATIONS.

3. SEE LANDSCAPE/ARCHITECTURAL PLANS FOR CONCRETE MATERIAL, COLOR, FINISH, AND SCORE PATTERNS THROUGHOUT SITE.

4. ALL PAVEMENT MARKINGS SHALL CONFORM TO THE LATEST EDITION OF THE M.U.T.C.D. (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES).

5. ALL SURFACE IMPROVEMENTS DISTURBED BY CONSTRUCTION SHALL BE RESTORED OR REPLACED, INCLUDING TREES AND DECORATIVE SHRUBS, SOD, FENCES, WALLS AND STRUCTURES, WHETHER OR NOT THEY ARE SPECIFICALLY SHOWN ON THE CONTRACT DOCUMENTS.

6. NOTIFY ENGINEER OF ANY DISCREPANCIES IN DESIGN OR STAKING BEFORE PLACING CONCRETE OR ASPHALT.

7. THE CONTRACTOR IS TO PROTECT AND PRESERVE ALL EXISTING IMPROVEMENTS, UTILITIES, AND SIGNS, ETC. UNLESS OTHERWISE NOTED ON THESE PLANS.

SEE ARCHITECTURAL DRAWING A001 FOR PROJECT LIMITS.

SCOPE OF WORK:

PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED, THE DETAILS NOTED, AND/OR AS SHOWN ON THE CONSTRUCTION DRAWINGS.

1. CONCRETE SIDEWALK PER APWA PLAN 231 AND SPECIFICATIONS. SAWCUT JOINTS AND COLOR PER LANDSCAPE PLANS.

2. CONCRETE PAVEMENT PER DETAIL 10C-600. JOINTS TO BE INSTALLED PER APWA PLAN 261.3(C)-601 AND SPECIFICATIONS. CONSTRUCTION JOINT SPACING NOT TO EXCEED 100'.

3. ASPHALT PAVEMENT PER DETAIL 71C-600.

4. TRANSITION BETWEEN COLLECTION CURB AND GUTTER AND REVERSE PAN CURB AND GUTTER.

5. 24" COLLECTION CURB AND GUTTER PER DETAIL 9C-600.

6. 24" REVERSE PAN CURB AND GUTTER PER DETAIL 10C-600.

7. 4" WIDE SOLID WHITE PAVEMENT MARKING PER M.U.T.C.D. STANDARD PLANS.

8. "HANDICAP PARKING" SIGN PER M.U.T.C.D. STANDARD PLANS.

9. PAINTED ADA SYMBOL AND ASSOCIATED HATCHING PER M.U.T.C.D. STANDARD PLANS.

10. SITE LIGHTING SHOWN FOR REFERENCE. SEE PHOTOMETRIC PLANS FOR DESIGN AND FINAL LAYOUT.

11. SEE SHEET C-204 FOR FIRE ROUTE.

12. "END OF FIRE APPARATUS ACCESS ROAD" SIGN PER DETAIL 8C-600.

13. 4 FOOT HIGH ORNAMENTAL FENCE PER LANDSCAPE PLANS.

14. INSTALL FENCE GATE.

15. ASPHALT PAVEMENT EDGE.

16. 8" CONCRETE WATERWAY PER SANDY CITY STANDARD DRAWING OG-03.

17. 6" TYPE 1P" CURB WALL PER APWA STANDARD PLAN 209.

18. HANDICAP ACCESS RAMP PER APWA STANDARD PLAN 235 WITH DETECTABLE WARNING SURFACE PER APWA STANDARD PLAN 238.

19. REMOVABLE BOLLARD.

20. TYPE "K" CURB AND GUTTER WITH 0" CURB FACE SIMILAR TO APWA STANDARD PLAN 205.

21. SANDY CITY RESIDENTIAL STREET LIGHT SHOWN FOR REFERENCE. SEE PHOTOMETRIC PLANS FOR DESIGN AND FINAL LAYOUT.

22. PAINTED LANE-USE ARROWS PER M.U.T.C.D. STANDARD PLANS.

23. TRASH ENCLOSURE PER ARCHITECTURAL PLANS WITH 6" THICK CONCRETE APRON WITH #4 REBAR @ 24" O.C. E.W. ON 6" GRAVEL BASE.

24. 18" CONCRETE MOW CURB.

25. 4" WATERWAY PER APWA STANDARD PLAN NO. 211.

26. 20'x60' SIGHT TRIANGLE.

NORTH

HORIZONTAL GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

HORIZ. 1 inch = 20 ft.

C-X01

C-X02

C-X03

C-X01

KEY MAP

NOT TO SCALE

[A] The Boston Building
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ENSIGN PROJECT #10651B

**WATERFORD SCHOOL
PARKING ADDITION**

1480 E 9400 S
SANDY, UT 84093

PROJECT NUMBER		
#	DESCRIPTION	DATE
1	SITE PLAN SUBMITTAL	2/28/2023

SITE PLAN

C-202

2023

C|EDA

2/28/2023 1:57:45 PM

I don't see a need to paint these arrows. However, they can be kept if desired. Painting them would require more maintenance.

Show width

Show access width

1700 EAST STREET
(PAVED PUBLIC RIGHT OF WAY)