# PETERBUILT

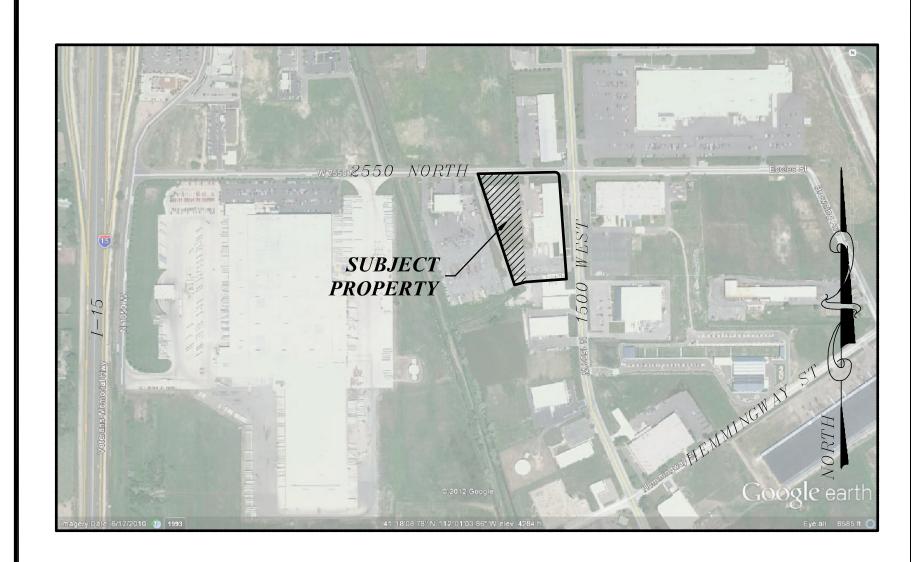
LOCATED AT: LOT 1B, WEBER INDUSTRIAL PARK WEBER COUNTY, UTAH ZONE: M-1

SILVERPEAK A



177 E. ANTELOPE DR. #B LAYTON, UTAH 84041 PHONE: (801) 392-4211 FAX: (801) 392-2941

# VICINITY MAP



# **UTILITY DISCLAIMER**

RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLIC

# **NOTICE TO CONTRACTOR**

ONTRACTOR FURTHER AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB-SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE CIVIL ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

# TRAFFIC CONTROL & SAFETY NOTES

TRAFFIC CONTROL PLAN FOR WORK WITHIN UDOT RIGHT OF WAY MUST MEET UDOT STANDARDS & SPECIFICATIONS

BARRICADING AND DETOURING SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS OF THE CURRENT STATE OF UTAH DEPARTMENT OF TRANSPORTATION MANUAL OF TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE WORK ZONES, AND THE CURRENT WEBER COUNTY STANDARD DRAWING, AND SHALL BE APPROVED BY THE ENGINEER PRIOR TO ANY WORK.

2. NO STREET SHALL BE CLOSED TO TRAFFIC WITHOUT WRITTEN PERMISSION FROM THE CITY TRAFFIC ENGINEER, EXCEPT WHEN DIRECTED BY LAW ENFORCEMENT OR FIRE OFFICIALS.

3. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO PROVIDE FOR SMOOTH TRAFFIC FLOW AND SAFETY. ACCESS SHALL BE MAINTAINED FOR ALL PROPERTIES ADJACENT TO THE WORK.

DETOURING OPERATIONS FOR A PERIOD OF SIX CONSECUTIVE CALENDAR DAYS, OR MORE, EQUIRE THE INSTALLATION OF TEMPORARY STREET STRIPING AND REMOVAL OF INTERFERING STRIPING BY SANDBLASTING. THE DETOURING STRIPING PLAN OR CONSTRUCTION TRAFFIC CONTROL PLAN MUST BE SUBMITTED TO THE CITY TRAFFIC ENGINEER FOR REVIEW AND

THE END OF THE WORK TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER.

6. TRAFFIC CONTROL DEVICES (TCDs) SHALL REMAIN VISIBLE AND OPERATIONAL AT ALL

ALL DESIGN INFORMATION DEPICTED ION THESE, THE "C" OR CIVIL DRAWINGS IS PROPRIETARY AND THE SOLE PROPERTY OF SILVERPEAK ENGINEERING, INC. THESE DRAWINGS MAY BE USED ONLY BY AUTHORIZATION BY SILVERPEAK ENGINEERING INC. THIS DESIGN IN PART OR IN TOTAL BY NOT BE USED OR DUPLICATED FOR ANY OTHER PROJECT OR PURPOSE. NON PAYMENT OR PARTIAL PAYMENT FOR THIS DESIGN AUTOMATICALLY REVOKES THE AUTHORIZATION OF USE.

AS BUILT PLANS ON THE SEWER LINE WILL BE REQUIRED PER WEBER COUNTY ENGINEERING. CAMERA TEST, AIR TEST, & VACUUM TEST WILL BE REQUIRED ON THE CONSTRUCTION OF THE SEWER LINE PER WEBER COUNTY ENGINEERING.

# GOVERNING AGENCIES

# **COUNTY ENGINEER**

WEBER COUNTY ENGINEERING 2380 WASHINGTON BLVD SUITE 240 *OGDEN, UT 84401* PH: (801) 399-8374 FAX: (801) 399-8862

# STORM DRAIN

FARR WEST CITY 1896 NORTH 1800 WEST FARR WEST, UT 84404 (801) 731-4187

# NATURAL GAS

QUESTAR CORPORATION 180 EAST 100 SOUTH SALT LAKE CITY, UT 84145 MIKE DAVIS 801-395-6806

# SECONDARY WATER

FIRE DEPARTMENT

FARR WEST, UT 84404 PH: (801) 782-3580 FAX: (801) 782-3582

CENTRAL WEBER SEWER DISTRICT 2618 W PIONEER ROAD OGDEN, UT 84404 PH: (801) 731-3011

# **POWER**

**SEWER** 

ROCKY MOUNTAIN POWER 201 SOUTH MAIN ST., SUITE SALT LAKE CITY, UT 84111 PH: 888-221-7070

WEBER FIRE DISTRICT 2023 WEST 1300 NORTH

# **CULINARY WATER**

BONA VISTA WATER **IMPROVEMENT** 1483 WALL AVE OGDEN, UT 84404 PH: (801) 621-0474

# **TELEPHONE**

QWEST CORPORATION 1425 WEST 3100 SOUTH SALT LAKE CITY, UT 84119 ARLENE COMSTOCK: 801-974-8130 FAX: 801-974-8160

GENERAL NOTES

**DETAILS** 

*C1* 

SITE PLAN

GRADING & DRAINAGE PLAN

**UTILITY PLAN** 

LANDSCAPE PLAN IRRIGATION PLAN

# INDEX TO DRAWINGS

**CIVIL COVER SHEET** 

# TE CALL BLUESTAKES

@ 1-800-662-4111 AT LEAST 48 HOURS RIOR TO COMMENCING

ANY CONSTRUCTION

**GENERAL NOTES** 

REMOVAL OF EXISTING DRY UTILITIES INFRASTRUCTURE. DESIGN DRAWINGS FOR SAID

5) CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF ALL EXISTING MANHOLES AND OTHER

RELOCATIONS AND REMOVALS SHALL BE BY OTHERS

4) CALL BLUESTAKES 48 HOURS PRIOR TO DIGGING

UTILITIES BEFORE BUILDING OR STAKING ANY UTILITY LINES.

5. ALL TRAFFIC CONTROL DEVICES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT

# PERMISSION TO USE PLANS

ALL INFORMATION SHOWN HEREON IS NOT FINAL OR APPROVED WITHOUT THE GOVERNING AGENCY'S STAMP AND SIGNATURE. ANY USE OF THIS DRAWING AND ITS CONTENT WITHOUT SAID APPROVAL IS DONE AT THE INDIVIDUAL'S OWN RISK. SILVER PEAK ENGINEERING DOES NOT ASSUME LIABILITY FOR ANY SUCH USE.

ALL WORK TO CONFORM TO WEBER COUNTY'S

STANDARDS, DRAWINGS, AND SPECIFICATIONS.

- CONTRACTOR TO NOTIFY WEBER COUNTY AND SILVER PEAK ENGINEERING 48 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION REQUIRED FOR THIS PROJECT.
- NO ALLOWANCE WILL BE MADE FOR DISCREPANCIES OR OMISSIONS THAT CAN BE EASILY OBSERVED. CONTRACTOR MUST VERIFY ALL EXISTING CONDITIONS BEFORE BIDDING, AND BRING UP ANY QUESTIONS BEFOREHAND.
- PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING, MAINTAINING, OR RESTORING ALL MONUMENTS AND MONUMENT REFERENCE MARKS WITHIN SURVEYOR FOR MONUMENT LOCATIONS AND CONSTRUCTION DETAILS.
- CONTRACTOR SHALL PROVIDE A CONSTRUCTION SCHEDULE IN ACCORDANCE WITH THE CITY OR COUNTY REGULATIONS FOR WORKING IN THE PUBLIC WAY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ACCORDING TO GOVERNING AGENTS STANDARDS. WET DOWN DRY MATERIALS AND RUBBISH TO PREVENT BLOWING.
- THE CONTRACTOR IS RESPONSIBLE TO FURNISH ALL MATERIALS TO COMPLETE THE PROJECT.
- D. TRAFFIC CONTROL TO CONFORM TO THE CURRENT CITY OR COUNTY TRANSPORTATION ENGINEER'S MANUAL.

# GEOTECHNICAL NOTES

- SITE GRADING SHALL BE PERFORMED ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS AS SPECIFIED IN THE SOILS REPORT. ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED TO 95% OF MODIFIED PROCTOR MAXIMUM DENSITY PER ASTM TEST D-1557 EXCEPT UNDER BUILDING FOUNDATION WHERE IT SHALL BE 100% MIN. OF MAXIMUM DENSITY. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL NOT EXCEED 2% ABOVE NOR 3% BELOW OPTIMUM. CONTRACTOR SHALL SUBMIT A COMPACTION REPORT PREPARED BY A QUALIFIED REGISTERED SOILS ENGINEER, VERIFYING THAT ALL FILLED AREAS AND SUB GRADE AREAS WITHIN THE BUILDING PAD AREA AND AREAS TO BE PAVED, HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT.
- THE SOILS REPORT AND RECOMMENDATIONS SET FORTH THEREIN ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND IN CASE OF CONFLICT, SHALL TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCY BETWEEN SOILS REPORT AND PLANS, ETC.

# **DEMOLITION NOTES**

- CONTRACTOR TO LEGALLY REMOVE & DISPOSE OF ALL EXTRANEOUS UTILITIES , STRUCTURES, IMPROVEMENTS & DEBRIS ON THE SITE PRIOR TO
- SAID DEMOLITION MAY INCLUDE, BUT IS NOT LIMITED TO UTILITY SERVICES AS WELL AS ASPHALT, CONCRETE, FENCES, TREES, SHRUBS & OTHER DELETERIOUS MATERIALS ON THE SITE.
- SAID DEMOLITION EXCLUDES UTILITY MAINS UNLESS SPECIFICALLY SHOWN ON THIS PLAN.
- SAID DEMOLITION EXCLUDES PUBLICLY OWNED STREET IMPROVEMENTS UNLESS SPECIFICALLY SHOWN ON THIS
- SITE CLEARING SHALL INCLUDE THE LOCATION AND REMOVAL OF ALL UNDERGROUND TANKS, PIPES VALVES, ETC.
- CONTRACTOR IS TO COORDINATE ALL PERMITS, FEES & INSPECTIONS AS REQUIRED BY ANY AGENCY HAVING JURISDICTION.
- NATURAL VEGETATION AND SOIL COVER SHALL NOT BE DISTURBED PRIOR TO ACTUAL CONSTRUCTION OF A REQUIRED FACILITY OR IMPROVEMENT. MASS CLEARING OF THE SITE IN ANTICIPATION OF CONSTRUCTION SHALL BE AVOIDED. CONSTRUCTION TRAFFIC SHALL BE LIMITED TO ONE APPROACH TO SITE. THE APPROACH SHALL BE DESIGNATED BY THE GENERAL MANAGER.

# **UTILITY NOTES**

CONTRACTOR SHALL OBTAIN A COPY OF, AND STRICTLY ADHERE TO THE CURRENT STANDARDS SPECIFICATIONS OF WEBER COUNTY. CONTRACTOR IS TO CONTRACTOR SHALL OBTAIN A COPY OF, AND STRICTLY OBTAIN ANY REQUIRED PERMITS AND NOTIFY THE UTILITY | ADHERE TO THE CURRENT WEBER COUNTY STANDARDS OWNER AND SILVER PEAK ENGINEERING PRIOR TO AND SPECIFICATIONS. CONTRACTOR IS TO OBTAIN ANY BEGINNING ANY WORK ON WET UTILITIES. CONTRACTOR IS REQUIRED PERMITS AND NOTIFY THE STREET OWNER AND TO COORDINATE DRY UTILITY WORK WITH THE UTILITY SILVER PEAK ENGINEERING PRIOR TO BEGINNING ANY

ALL DETAILS & SPECIFICATIONS GOVERNING THE SHOWN ON THIS SET OF PLANS. CONTRACTOR IS TO APPURTENANCES **WITHIN THE PUBLIC RIGHT-OF-WAY** SHOWN | TO BEGINNING SAID WORK. ON THIS PLAN. SEE THE DETAILS PROVIDED ON THIS SET OF DRAWINGS FOR ALL OTHER STORM DRAIN | ALL DIMENSIONS, AND GRADES SHOWN ON THE PLANS CONSTRUCTION.

## LAND DRAIN

SEE FARR WEST CITY STANDARDS & SPECIFICATIONS FOR ALL DETAILS & SPECIFICATIONS GOVERNING THE CONSTRUCTION & INSPECTION OF THE LAND DRAIN & APPURTENANCES SHOWN ON THIS PLAN. SEE THE DETAILS PROVIDED ON THIS SET OF DRAWINGS FOR ALL OTHER STORM DRAIN CONSTRUCTION

## SANITARY SEWER

SEE **CENTRAL WEBER SEWER DISTRICT** STANDARDS & SPECIFICATIONS FOR ALL DETAILS & SPECIFICATIONS THE PROJECT SITE. CONTACT THE CITY OR COUNTY GOVERNING THE CONSTRUCTION & INSPECTION OF THE SANITARY SEWER & APPURTENANCES SHOWN ON THIS PLAN.

CULINARY WATER

SEE BONA VIST WATER STANDARDS & SPECIFICATIONS FOR ALL DETAILS & SPECIFICATIONS GOVERNING THE CONSTRUCTION & INSPECTION OF THE CULINARY WATER & APPURTENANCES SHOWN ON THIS PLAN.

- THESE PLANS SHOW THE LOCATION OF POWER, NATURAL GAS. AND COMMUNICATIONS UTILITIES, BUT ARE NOT DESIGN DRAWINGS FOR THE RELOCATION OR REMOVAL OF EXISTING DRY UTILITIES, NOR FOR ANY NEW DRY UTILITY STUBS. CONTRACTOR IS TO SUBMIT SITE PLAN TO DRY UTILITIES FOR DESIGN OF SERVICE CONNECTIONS TO BUILDING. ACTUAL CONSTRUCTION OF SAID SERVICES TO BE DONE BY RESPECTIVE UTILITY PROVIDERS.
- CONTRACTOR MUST START AT THE LOW END OF ALL GRAVITY FED LINES AND WORK UP HILL. FAILURE TO | HAVE A MINIMUM 8" COMPLY WITH THIS NOTE WILL RELEASE THE CIVIL ENGINEER OF ALL LIABILITY.
- THE CONTRACTOR IS TO VERIFY DEPTHS OF UTILITIES IN UNLESS OTHERWISE NOTED, ALL ON-GRADE CONCRETE THE FIELD BY POT HOLING A MINIMUM OF 300 FEET | WILL BE PLACED ON A AHEAD OF PIPELINE CONSTRUCTION TO AVOID CONFLICTS WITH DESIGNED PIPELINE GRADE AND ALIGNMENT. IF A CONFLICT ARISES RESULTING FROM THE CONTRACTOR'S NEGLIGENCE TO POTHOLE UTILITIES THE CONTRACTOR WILL BE REQUIRED TO RESOLVE THE CONFLICT WITHOUT ADDITIONAL COST OR CLAIM TO RUBBED, OR THE OWNER OR ENGINEER.
- ALL DIMENSIONS, GRADES, AND UTILITY DESIGN SHOWN ON THE PLANS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST, PRIOR TO EXPANSION JOINTS, PROCEEDING WITH CONSTRUCTION FOR NECESSAR' PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO THE DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS, IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
- CONTRACTOR SHALL NOT ALLOW ANY GROUNDWATER OR DEBRIS TO ENTER THE NEW PIPE DURING CONSTRUCTION.
- ALL THRUST BLOCKS SHALL BE POURED IN PLACE AGAINST UNDISTURBED SOIL AS PER SPECIFICATIONS. ALL VALVES, FITTINGS, AND APPURTENANCES TO BE BLOCKED.
- CONSTRUCTING THE IMPROVEMENTS SHOWN ON THIS | CONTRACTOR TO LOOP NEW WATERLINE AROUND GRAVITY UTILITIES IF CONFLICT DOES OCCUR. (NOTIFY ENGINEER OF THE PROBLEM).
  - CONTRACTOR IS TO COORDINATE ALL UTILITIES WITH MECHANICAL DRAWINGS.
  - NO CHANGE IN DESIGN LOCATION OR GRADE WILL BE MADE BY THE CONTRACTOR WITHOUT THE WRITTEN | MADE BY THE CONTRACTOR WITHOUT THE WRITTEN APPROVAL OF THE PROJECT ENGINEER.

# ABOVE-GROUND **IMPROVEMENTS**

WORK WITHIN SAID STREET.

- SITE WORK OUTSIDE OF THE PUBLICLY OWNED RIGHT OF SEE FARR WEST CITY STANDARDS & SPECIFICATIONS FOR | WAY SHALL CONFORM WITH THE NOTES AND DETAILS CONSTRUCTION & INSPECTION OF THE STORM DRAIN & NOTIFY THE OWNER AND SILVER PEAK ENGINEERING PRIOR
  - SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST, PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO THE DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS, IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
  - ALL EXISTING MANHOLES, WATER VALVES, CLEAN OUTS, ETC., ARE TO BE RAISED OR LOWERED TO GRADE.
  - ALL NEW VALVES, MANHOLES, ETC. SHALL BE INSTALLED A MINIMUM OF 6" BELOW FINISH GRADE & RAISED TO GRADE AS REQUIRED WITH A MINIMUM 6" CONCRETE
  - FULL DEPTH EXPANSION JOINTS WILL BE PLACED AGAINST ANY OBJECT DEEMED TO BE FIXED, CHANGES IN DIRECTION, AND AT EQUAL INTERVALS NOT TO EXCEED 50 FEET. SLABS-ON-GRADE WILL BE TYPICALLY SCORED (1/2 THE DEPTH) AT INTERVALS NOT TO EXCEED THEIR WIDTH OR 12 TIMES THEIR DEPTH. WHICHEVER IS LESS. SCORING WILL BE PLACED TO PREVENT RANDOM CRACKING.
  - CONCRETE WATERWAYS, CURB WALLS, MOW STRIPS, CURB AND GUTTER, ETC., WILL TYPICALLY BE SCORED ( 1/2 THE DEPTH) AT INTERVALS NOT TO EXCEED 10 FEET, AND HAVE FULL DEPTH EXPANSION JOINTS THAT EQUAL SPACING NOT TO EXCEED 40 FEET.
  - UNLESS OTHERWISE NOTED, ALL SLABS-ON-GRADE WILL TURNED-DOWN EDGE TO HELP CONTROL FROST HEAVE.

  - MINIMUM 4" GRAVEL BASE OVER A WELL COMPACTED (95% DENSITY) SUB GRADE.
  - ALL EXPOSED SURFACES WILL HAVE A TEXTURED FINISH,
  - BROOMED, ANY "PLASTERING" OF NEW CONCRETE AILL BE DONE WHILE IT IS STILL "GREEN".
  - ALL JOINTS (CONTROL JOINTS, CONSTRUCTION JOINTS,
  - ETC.), WILL BE SEALED WITH A ONE PART POLYURETHANE SEALANT (SEE SPECIFICATION).
  - CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ADJACENT SURFACE IMPROVEMENTS.
  - LL EXISTING ASPHALT WILL BE SAW CUT IN NEAT STRAIGHT LINES BY THE CONTRACTOR PRIOR TO EXCAVATION.
  - HANDICAP ACCESSIBILITY: ALL CONSTRUCTION SHALL MEET THE ADA HANDICAP ACCESSIBILITY REQUIREMENTS. FOR ANY DISCREPANCIES BETWEEN THE PLANS AND ADA REQUIREMENTS, ADA REQUIREMENTS WILL GOVERN.
  - STRIPING WILL BE PER THE PLANS AND/OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE. STRIPING TO INCLUDE HANDICAP INSIGNIAS, SIGNS, CROSS-HATCHING, DIRECTION ARROWS, ETC. AS SHOWN OR AS DIRECTED.
  - NO CHANGE IN DESIGN LOCATION OR GRADE WILL BE APPROVAL OF THE PROJECT ENGINEER.

# UNDERGROUND INFORMATION

- THE LOCATION OF UNDERGROUND UTILITES SHOWN ON THESE PLANS IS BASED ON INFORMATION GATHERED FROM UTILITIES AND/OR FROM ABOVE-GROUND STRUCTURES OR EVIDENCE FOUND AT THE TIME OF SURVEY. AS SUCH, THE UNDERGROUND INFORMATION IS A BEST ESTIMATE. SILVER PEAK DOES NOT REPRESENT OR GUARANTEE THAT THE UNDERGROUND INFORMATION PROVIDED IS CORRECT OR UP TO DATE.
- SHALL BE THE CONTRACTORS FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO PROCEEDING WITH CONSTRUCTION, CALL BLUESTAKES A MINIMUM OF 48 HOURS PRIOR TO BEGINNING ANY DIGGING OR UTILITY
- NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORK FORCE.

# **ABBREVIATIONS**

- Φ DIAMETER ∆ DELTA ° DEGREES
- ' MINUTES, FEET
- " SECONDS, INCHES AD ALGEBRAIC DIFFERENCE
- ADA AMERICAN DISABILITIES ACT ADS CORRUGATED BLACK PLASTIC PIPE ARCH ARCHITECTURAL
- B&C BAR & CAP BL BOUNDARY LINE
- BLA BOUNDARY LINE AGREEMENT BM BENCHMARK BND BOUNDARY
- BOW BACK OF WALK BRG BEARING
- BY BUTTERFLY VALVE BVC BEGIN VERTICAL CURVE
- BYCE BEGIN VERTICAL CURVE ELEVATION BYCS BEGIN VERTICAL CURVE STATION C&G CURB AND GUTTER
- CB CATCH BASIN CH CHORD CHB CHORD BEARING
- CI CAST IRON CL CENTERLINE CMP CORRUGATED METAL PIPE
- CO CLEANOUT
- COMBO COMBINATION CONC CONCRETE CONST CONSTRUCTION
- CP CONTROL POINT CUL CULINARY CW CULINARY WATER
- CWL CULINARY WATERLINE DEMO DEMOLITION
- DI DUCTILE IRON DIAM DIAMETER DIST DISTANCE DIV DIVERSION
- EASE EASEMENT EG EXISTING GRADE EL ELBOW

F FAST

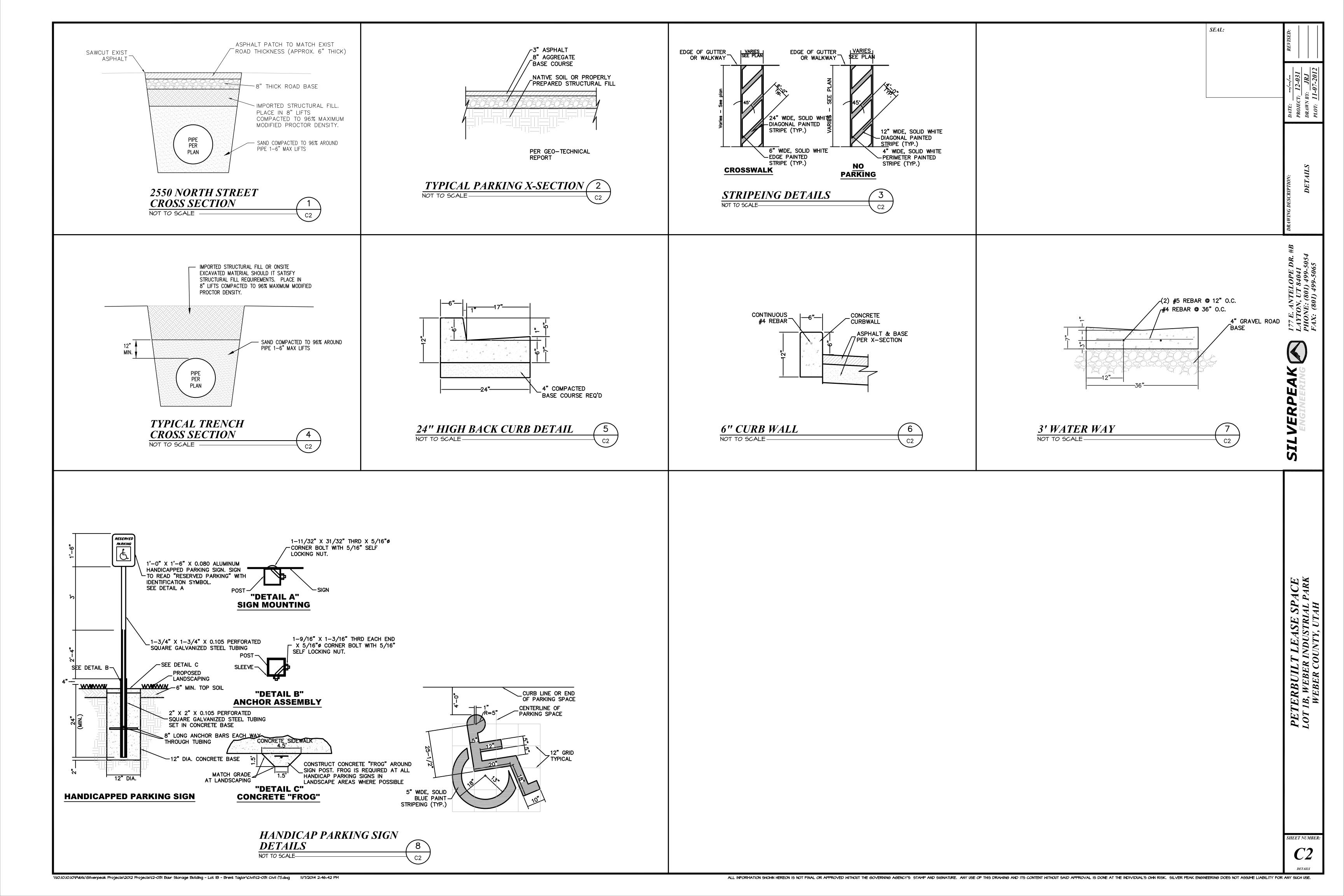
- ELEC ELECTRICAL EVC END VERTICAL CURVE EVCE END VERTICAL CURVE ELEVATION EVCS END VERTICAL CURVE STATION
- EX EXISTING FG FINISH GRADE FH FIRE HYDRANT
- FL FLOWLINE FND FOUND FND FOUNDATION FTG FOOTING
- GB GRADE BREAK GR GRATE GV GATE VALVE
- HDPE HIGH-DENSITY POLYETHYLENE PIPE HP HIGH POINT HPE HIGH POINT ELEVATION
- HPS HIGH POINT STATION ID INSIDE DIAMETER INV INVERT
- IRR IRRIGATION IRRMH IRRIGATION MANHOLE
- K RADIUS OF CURVATURE L LENGTH
- LAT LATERAL SERVICE LD LAND DRAIN
- LDMH LAND DRAIN MANHOLE LG LIP OF GUTTER LP LIGHT POLE
- LPE LOW POINT ELEVATION \_PS LOW POINT STATION MECH MECHANICAL
- MH MANHOLE MON MONUMENT N NORTH
- NE NORTHEAST NR NON-RADIAL NW NORTHWEST
- OC ON CENTER OD OUTSIDE DIAMETER PL PROPERTY LINE
- PROP PROPERTY PUE PUBLIC UTILTIY EASEMENT PU&DE PUBLIC UTILITY & DRAINAGE EASEMENT
- PUE & DE PUBLIC UTILITY EASEMENT & DRAINAGE EASEMENT PVC POLYVINYLCHLORIDE R RADIUS
- RCL ROADWAY CENTERLINE RCP REINFORCED CONCRETE PIPE S SOUTH
- SD STORM DRAIN SDCB STORM DRAIN CATCH BASIN SDCO STORM DRAIN CLEANOUT
- SDMH STORM DRAIN MANHOLE SE SOUTHEAST SEC SECONDARY
- SEC SECTION SLB&M SALT LAKE BASE & MERIDIAN SPEC SPECIFICATION SPECS SPECIFICATIONS
- SPP STEEL PIPE SS SANITARY SEWER SSCO SANITARY SEWER CLEANOUT SSMH SANITARY SEWER MANHOLE
- STD STANDARD STDS STANDARDS SW SECONDARY WATER SW SOUTHWEST
- SWL SECONDARY WATERLINE TAN TANGENT TB THRUST BLOCK TBC TOP BACK OF CURB
- TBW TOP BACK OF WALK TEL TELEPHONE TOW TOP OF CURBWALL
- TOA TOP OF ASPHALT TOC TOP OF CONCRETE TOG TOP OF GRATE TOW TOP OF WALL
- UTIL UTILITY V VALVE VC VERTICAL CURVE
- W WATER M WEST WL WATERLINE
- WM WATER METER X CROSS X-SECT CROSS-SECTION

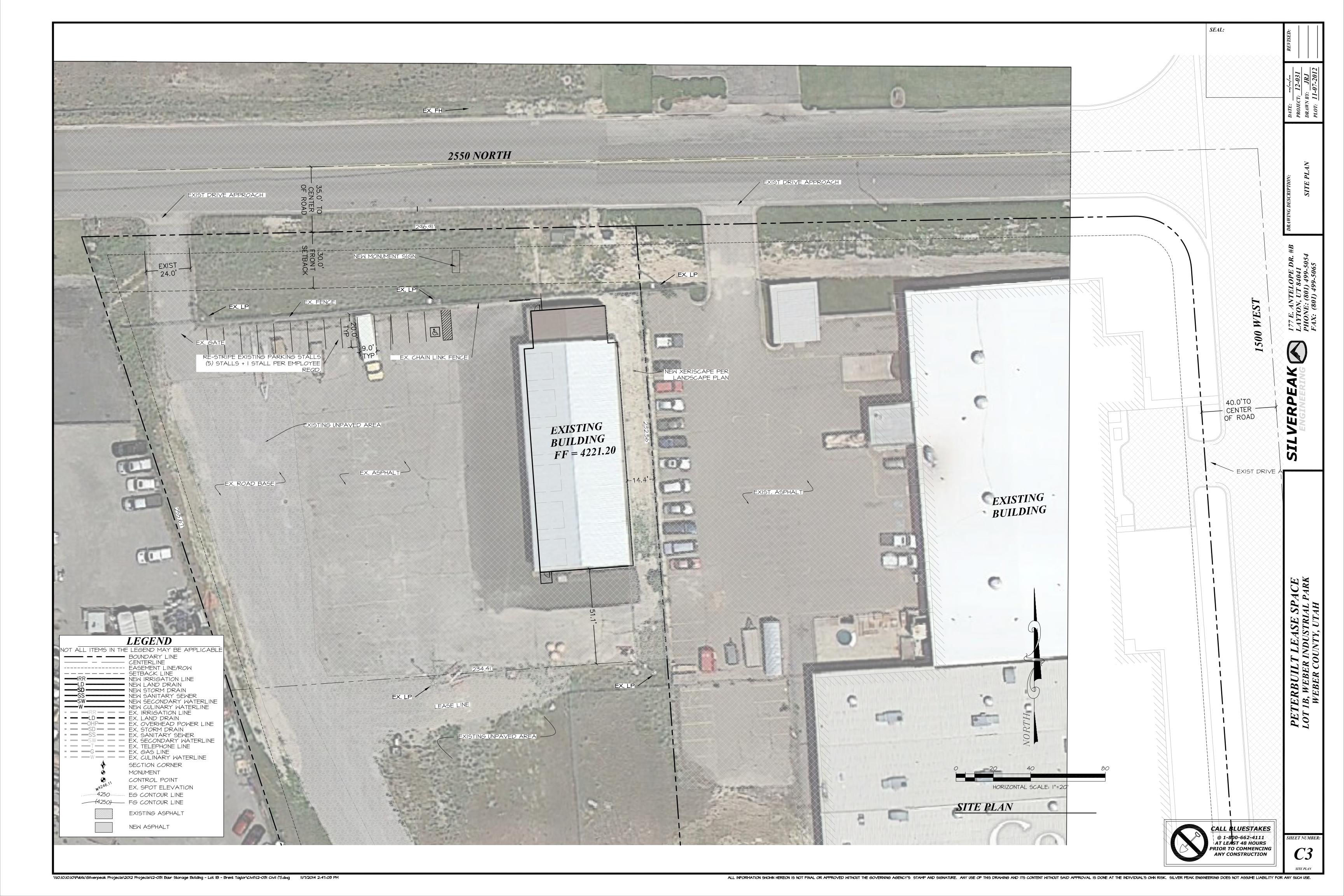
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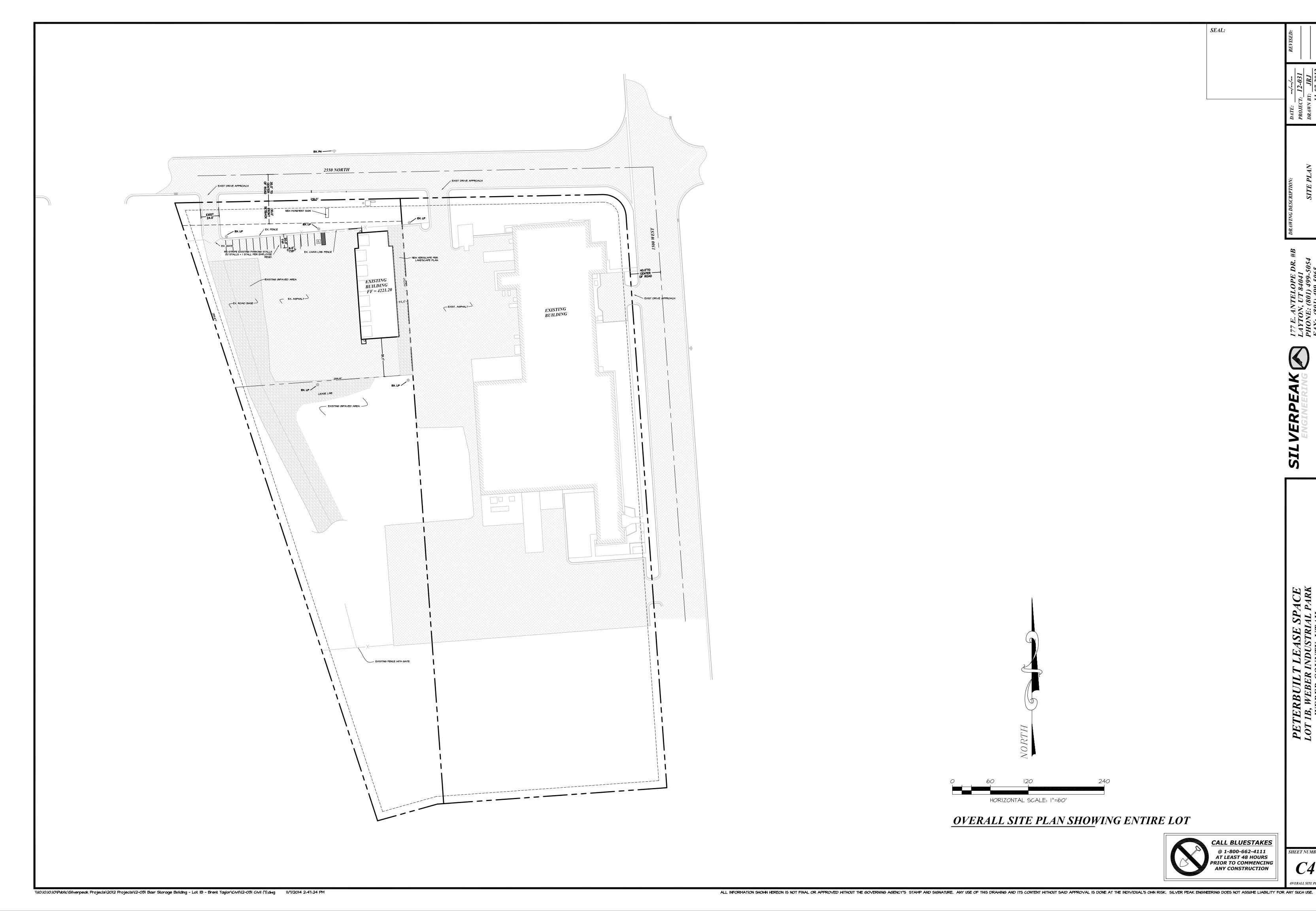


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