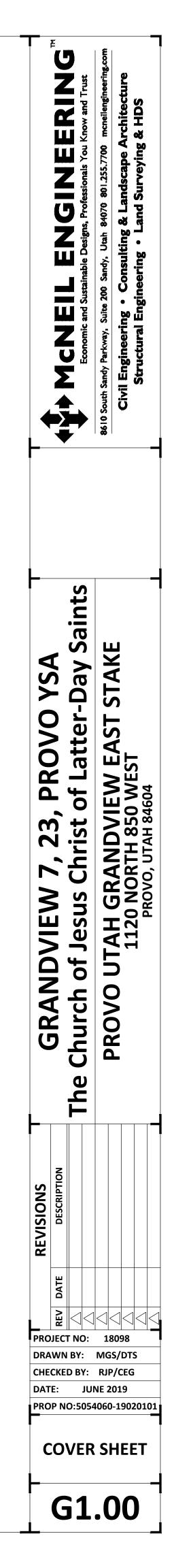


# GRANDVIEW 7, 23, PROVO YSA PROVO UTAH GRANDVIEW EAST STAKE ASPHALT IMPROVEMENTS

1120 NORTH 850 WEST PROVO, UTAH 84604 PROPERTY # 5054060-19020101

JUNE 2019



#### GENERAL NOTES

#### 1.1 COMPLIANCE

- 1. ALL WORK TO CONFORM TO GOVERNING MUNICIPALITY'S STANDARDS, SPECIFICATIONS AND REQUIREMENTS.
- 2. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THESE CONTRACT DOCUMENTS AND THE MOST RECENT, ADOPTED EDITIONS OF THE FOLLOWING: INTERNATIONAL BUILDING CODE (IBC), THE INTERNATIONAL PLUMBING CODE, STATE DRINKING WATER REGULATIONS, APWA MANUAL OF STANDARD PLANS AND SPECIFICATIONS, ADA ACCESSIBILITY GUIDELINES.
- 3. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS. ANY REVISIONS MUST HAVE PRIOR WRITTEN APPROVAL.
- 1.2 PERMITTING AND INSPECTIONS
- 1. 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 THOROUGHLY REVIEWED PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.
- 2. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING AND NOTIFYING ARCHITECT/ENGINEER OR INSPECTING AUTHORITY 48 HOURS IN ADVANCE OF COVERING UP ANY PHASE OF
- CONSTRUCTION REQUIRING OBSERVATION. 3. ANY WORK IN THE PUBLIC RIGHT-OF-WAY WILL REQUIRE PERMITS FROM THE APPROPRIATE, CITY, COUNTY OR STATE AGENCY CONTROLLING THE ROAD AND WITH APPROPRIATE INSPECTIONS.

#### 1.3 COORDINATION & VERIFICATION

- 1. ALL DIMENSIONS, GRADES & UTILITY DESIGNS SHOWN ON THE PLANS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES 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 DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS, IF NOT VERIFIED AND NOTIFICATION OF CONFLICTS HAVE NOT BEEN BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER.
- 2. CONTRACTOR MUST VERIFY ALL EXISTING CONDITIONS BEFORE BIDDING AND BRING UP ANY QUESTIONS BEFOREHAND. NO ALLOWANCE WILL BE MADE FOR DISCREPANCIES OR OMISSIONS THAT CAN BE EASILY OBSERVED.
- 3. CONTRACTOR TO COORDINATE WITH ALL OTHER DISCIPLINES.

#### 1.4 SAFETY AND PROTECTION

- 1. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION, 2. CONTRACTOR IS RESPONSIBLE FOR THE SAFETY OF THE PROJECT AND SHALL MEET ALL OSHA REQUIREMENTS.
- 3. CONTRACTOR IS RESPONSIBLE FOR CONFORMING TO LOCAL AND FEDERAL CODES GOVERNING SHORING AND BRACING OF EXCAVATIONS AND TRENCHES, AND FOR THE PROTECTION OR WORKERS AND PUBLIC.
- 4. CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO PROTECT ALL EXISTING PUBLIC AND PRIVATE PROPERTY, ROADWAYS, AND UTILITY IMPROVEMENTS. DAMAGE TO EXISTING IMPROVEMENTS CAUSED BY THE CONTRACTOR MUST BE REPAIRED BY THE CONTRACTOR AT HIS/HER EXPENSE TO THE SATISFACTION OF THE OWNER OF SAID IMPROVEMENTS.
- 5. CONTRACTOR IS REQUIRED TO KEEP ALL CONSTRUCTION ACTIVITIES WITHIN THE APPROVED PROJECT LIMITS. THIS INCLUDES, BUT IS NOT LIMITED TO, VEHICLE AND EQUIPMENT STAGING, MATERIAL STORAGE AND LIMITS OF TRENCH EXCAVATION.
- 6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN PERMISSION FROM PROPERTY OWNER FOR WORK OR STAGING OUTSIDE OF THE PROJECT LIMITS.
- 7. CONTRACTOR SHALL PROVIDE BARRICADES, SIGNS, FLASHERS, OTHER EQUIPMENT AND FLAG PERSONS NECESSARY TO INSURE THE SAFETY OF WORKERS AND VISITORS. ALL CONSTRUCTION SIGNING, BARRICADING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.
- 8. CONTRACTOR SHALL COMPLY WITH LOCAL NOISE ORDINANCE STANDARDS. 9. CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL ACCORDING TO GOVERNING AGENCY STANDARDS.
- 10. CONTRACTOR SHALL TAKE ALL NECESSARY AND PROPER PRECAUTIONS TO PROTECT ADJACENT PROPERTIES FROM ANY AND ALL DAMAGE THAT MAY OCCUR FROM STORM WATER RUNOFF AND/OR DEPOSITION OF DEBRIS RESULTING FROM ANY AND ALL WORK IN CONNECTION WITH CONSTRUCTION. SUBMIT A STORM WATER POLLUTION PREVENTION PLAN, IF REQUIRED.
- 11.CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION.
- 12.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 THE SITE. THE APPROACH SHALL BE DESIGNATED BY THE OWNER OR GOVERNING AGENCY.
- 13. THE CONTRACTOR SHALL TAKE REASONABLE MEASURE TO PROTECT EXISTING IMPROVEMENTS FROM DAMAGE AND ALL SUCH IMPROVEMENTS DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR RECONSTRUCTED TO THE ENGINEER/OWNER'S SATISFACTION AT THE EXPENSE OF THE CONTRACTOR.

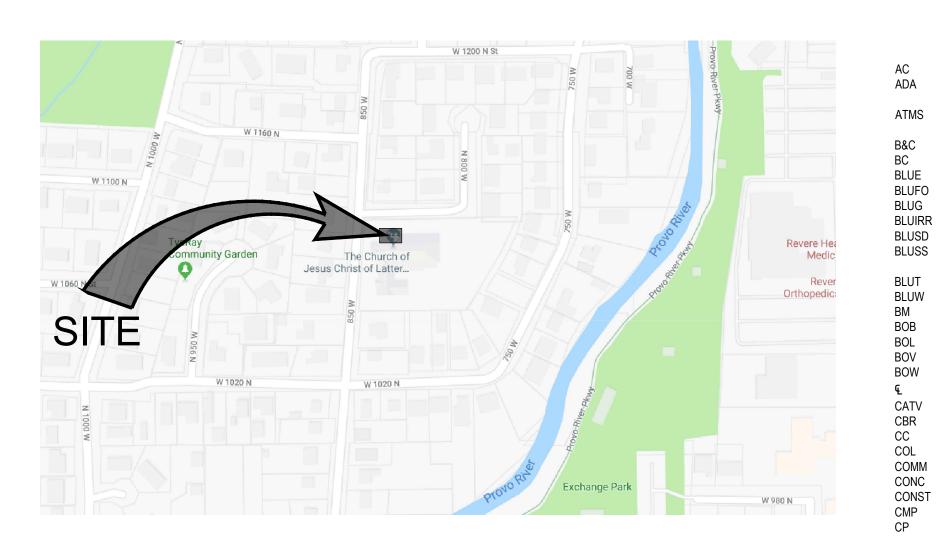
- 1.5 MATERIALS
- 1. SITE CONCRETE SHALL BE A MINIMUM 4500 P.S.I. @ 28 DAYS, 4" MAXIMUM 1% AIR ENTRAINMENT, UNLESS SPECIFIED OTHERWISE. -SEE SPECIFICAT A. SLABS-ON-GRADE WILL BE TYPICALLY SCORED (1/4 THE DEPTH) AT INTE EXCEED THEIR WIDTH OR 12 TIMES THEIR DEPTH, WHICHEVER IS LESS.
- PLACED TO PREVENT RANDOM CRACKING. FULL DEPTH EXPANSION JOI AGAINST ANY OBJECT DEEMED TO BE FIXED, CHANGES IN DIRECTION A INTERVALS NOT TO EXCEED 50 FEET. B. CONCRETE WATERWAYS, CURBWALLS, MOWSTRIPS, CURB AND GUTTE
- TYPICALLY BE SCORED (1/4 THE DEPTH AT INTERVALS NOT TO EXCEED FULL DEPTH EXPANSION JOINTS AT EQUAL SPACING NOT TO EXCEED 5 C. UNLESS OTHERWISE NOTED, ALL SLABS-0N-GRADE WILL HAVE A MINIM EDGE TO HELP CONTROL FROST HEAVE.
- D. UNLESS OTHERWISE NOTED, ALL ON-GRADE CONCRETE WILL BE PLACE BASE COURSE OVER A WELL COMPACTED (90%) SUBGRADE.
- E. ALL EXPOSED SURFACES WILL HAVE A TEXTURED FINISH, RUBBED OR
- "PLASTERING" OF NEW CONCRETE WILL BE DONE WHILE IT IS STILL "GR F. ALL JOINTS (CONTROL, CONSTRUCTION OR EXPANSION JOINTS, ETC.) ONE PART POLYURETHANE SEALANT (SEE SPECIFICATION).
- 2. ASPHALTIC CONCRETE PAVEMENT SHALL BE A MINIMUM 3" OVER 6" OF CO BASE OVER PROPERLY PREPARED AND COMPACTED (90%) SUBGRADE, UN OTHERWISE. -SEE SPECIFICATIONS.
- A. ASPHALT COMPACTION SHALL BE A MINIMUM 96% (MARSHALL DESIGN). B. SURFACE COARSE SHALL BE 1/2 " MINUS. MIX DESIGN TO BE SUBMITTED
- LEAST TWO WEEKS PRIOR TO ANTICIPATED PAVING SCHEDULE.
- C. AC PAVEMENT TO BE A 1/4" ABOVE LIP OF ALL GUTTER AFTER COMPACT D. THICKNESSES OVER 3" WILL BE LAID IN TWO LIFTS WITH THE FIRST LIF
- 3/4" MINUS DESIGN.

#### 1.6 GRADING / SOILS

- 1. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLAN SPECIFICATIONS.
- 2. PROCEDURE FOR UNSUITABLE MATERIALS: A. EXCAVATE TO SUBGRADE.
- B. SCARIFY A MINIMUM OF 12" DEEP AND ALLOW TO DRY. RESCARIFY
- C. PROOFROLL AND COMPACT. 3. IF, WHILE PROOFROLLING, SOFT SPOTS TURN UP, IT WILL BE RESCARIFIED DRY (UP TO TWO WEEKS). AFTER TWO WEEKS, THE SOFT AREAS WILL BE OVEREXCAVATED. THE OVEREXCAVATION WILL BE UNDER DIRECTION OF ARCHITECT/ENGINEER. THE SOFT MATERIAL WILL BE REMOVED AND REP MATERIALS. THE BOTTOM OF THE EXCAVATION WILL RECEIVE A STABILIZA
- 160N OR APPROVED BY ARCHITECT/ENGINEER. 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACE YIELDING OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MA
- 5. ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED TO 95% OF MOD MAXIMUM DENSITY PER ASTM TEST D-1557. MOISTURE CONTENT AT TIME NOT EXCEED 2% ABOVE NOR 3% BELOW OPTIMUM.
- CONTRACTOR SHALL SUBMIT A COMPACTION REPORT PREPARED BY A QL SOILS ENGINEER, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AR PAVED, HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AN 7. SITE CLEARING SHALL INCLUDE THE LOCATING AND REMOVAL OF ALL UND
- PIPES, VALVES, ETC. 8. ALL EXISTING VALVES, MANHOLES, ETC. SHALL BE RAISED OR LOWERED
- REQUIRED. PROVIDE CONCRETE RING OR APRON AROUND RAISED OR NE 9. ALL ELEMENTS SUCH AS VALVES, MANHOLES, INLET COVERS, ETC. ARE R
- NEW 6" THICK x 2x DIA. WIDE CONCRETE APRON INSTALLED, UNLESS DET 1.7 UTILITIES
- 1. THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THESE PLANS SURVEYS AND LOCAL UTILITY COMPANY RECORDS. IT SHALL BE THE CON RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES EITHER
- BLUE STAKE TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRU 2. CONTRACTOR TO VERIFY BY POTHOLING BOTH THE VERTICAL AND HORIZ ALL EXISTING UTILITIES PRIOR TO INSTALLING ANY NEW LINES. NO ADDITI SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESH BY HIS WORK FORCE.
- 3. CONTRACTOR MUST START AT LOW END OF ALL NEW GRAVITY UTILITY LIN COMPENSATION IS TO BE PAID TO THE CONTRACTOR FOR WORK HAVING FAILURE TO COMPLY WITH THESE REQUIREMENTS.
- 4. CONTRACTOR IS TO VERIFY LOCATION, DEPTH, SIZE, TYPE, AND OUTSIDE UTILITIES IN THE FIELD BY POTHOLING A MINIMUM OF 300 FEET AHEAD, PI TO AVOID CONFLICTS WITH DESIGNED PIPELINE GRADE AND ALIGNMENT. INFORMATION SHOWN ON PLANS OR OBTAINED FROM UTILITY COMPANIE MUST BE ASSUMED AS APPROXIMATE, REQUIRING FIELD VERIFICATION.
- 5. STORM SEWER TO BE CONSTRUCTED IN ACCORDANCE WITH THE GOVER STANDARDS AND SPECIFICATIONS.

FNCIRN

IRON FENCE



VICINITY MAP N.T.S.

|  |   | <del></del> |          |                           | <del></del>                   |                      |                                 | ε                                       |
|--|---|-------------|----------|---------------------------|-------------------------------|----------------------|---------------------------------|---|
|  |   |             |          |                           |                               |                      |                                 |   |
|  |   |             |          | LEGEN                     | ID                            |                      |                                 |   |
| 1 SLUMP WITH 5 + OR -                      | <ol> <li>ALL STORM DRAIN AND IRRIGATION CONDUITS SHALL BE INSTALLED WITH WATER TIGHT JOINTS<br/>AND CONNECTIONS.</li> <li>ALL STORM DRAIN PIPE PENETRATIONS INTO BOXES SHALL BE CONSTRUCTED WITH WATER</li> </ol> | NEW         | EXISTING |                           | NEW                           | EXISTING             |                                 | Mand w and hitec                        |
| ON<br>ERVALS NOT TO                        | TIGHT SEALS ON THE OUTSIDE AND GROUTED SMOOTH WITH A NON-SHRINK GROUT ON THE<br>INSIDE. CONDUITS SHALL BE CUT OFF FLUSH WITH THE INSIDE OF THE BOX.   |             |          | MONUMENT LINE             |                               | $\Delta$             | SECTION CORNER (FOUND)          |   |
| CORING WILL BE                             | 8. NO CHANGE IN THE DESIGN OF UTILITIES AS SHOWN WILL BE MADE BY THE CONTRACTOR<br>WITHOUT THE WRITTEN APPROVAL OF THE GOVERNING MUNICIPALITY, OR OTHER AUTHORITY   |             |          | CENTER LINE               |                               | V                    | SECTION CONNER (FOUND)          | eyin                                    |
| D AT EQUAL                                 | HAVING JURISDICTION OVER THAT UTILITY.<br>9. ALL STORM DRAIN CONDUITS AND BOXES SHALL BE CLEAN AND FREE OF ROCKS, DIRT, AND   |             |          | SUBJECT PROPERTY LINE     |                               | $\land$              | SECTION CORNER (NOT FOUND)      | 801.25<br>Surv                          |
| ETC. WILL<br>FEET AND HAVE                 | CONSTRUCTION DEBRIS PRIOR TO FINAL INSPECTION.  |             |          | ADJACENT PROPERTY LINE    |                               | $\vee$               |                                 |   |
| ET).<br>8" TURNED-DOWN                     | <ol> <li>SURVEY CONTROL</li> <li>CONTRACTOR MUST PROVIDE A REGISTERED LAND SURVEYOR OR PERSONS UNDER THE<br/>SUPERVISION OF A REGISTERED LAND SURVEYOR TO SET STAKES FOR THE ALIGNMENT AND</li> </ol>             |             |          | EASEMENT LINE             |                               | •                    | STREET MONUMENT                 |   |
| I A MINIMUM 4"                             | GRADE OF EACH MAIN AND/OR FACILITY AS SHOWN ON THE PLANS. THE STAKES SHALL BE<br>MARKED WITH THE HORIZONTAL LOCATION (STATION) AND VERTICAL LOCATION (GRADE) WITH   |             |          | DITCH FLOWLINE            |                               | •                    | BRASS CAP MONUMENT              |   |
| IED. ANY                                   | CUTS AND/OR FILLS TO THE APPROVED GRADE OF THE MAIN AND OR FACILITY AS SHOWN ON<br>THE PLANS.   |             | X        | FENCE LINE                | ⊕ <sub>PP</sub>               | PP                   | POWER POLE                      | Sand Sand                               |
| SEALED WITH A                              | <ol> <li>THE CONTRACTOR SHALL PROTECT ALL STAKES AND MARKERS FOR VERIFICATION PURPOSES.</li> <li>CONTRACTOR WILL BE RESPONSIBLE FOR FURNISHING, MAINTAINING, OR RESTORING ALL</li> </ol>                          | X<br>ATMS   | atms     | ATMS CABLE                | Ф <sub>UP</sub>               | UP                   |                                 | e 200 sust                              |
| TED (95%) ROAD<br>NOTED                    | MONUMENTS AND REFERENCE MARKS WITHIN THE PROJECT SITE.  | CATV        | catv     | CABLE TV LINE             |                               | GUY                  | GUY ANCHOR<br>POWER TRANSFORMER |   |
|  | <ol> <li>AMERICAN DISABILITIES ACT</li> <li>PEDESTRIAN / ADA ROUTES SHALL MEET THE FOLLOWING SPECIFICATIONS:</li> </ol>   | C           | c        | COMMUNICATIONS LINE       | ⊠ <sub>trans</sub>            |                      | TRAFFIC SIGNAL CABINET          | homi<br>homi<br>heer<br>tura            |
| PPROVAL AT                                 | *ROUTES SHALL HAVE A 2.00% (1:50) MAXIMUM CROSS SLOPE.<br>*ROUTES SHALL HAVE A 5.00% (1:20) MAXIMUM RUNNING SLOPE.  | FO          | fo       | FIBER-OPTIC CABLE         | ×.                            | ×<br>LP              | LIGHT POLE                      | Eco Eco La C                            |
| AN APPROVED                                | *RAMPS SHALL HAVE A 8.33% (1:12) MAXIMUM RUNNING SLOPE.<br>2. ADA PARKING STALLS AND ADJACENT ROUTES SHALL HAVE A 2.00% MAXIMUM SURFACE SLOPE   | F           | f        | FIRE LINE                 | 'L₽<br>□                      | 'LP<br>□<br>TR       | TELEPHONE RISER                 |   |
|  | IN ANY DIRECTION.<br>3. THE CONTRACTOR SHALL ADHERE TO THE ABOVE SPECIFICATIONS. IN THE EVENT OF A<br>DISCREPANCY IN THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL NOTICY THE                                  | G           | g        | NATURAL GAS LINE          | TR<br>①                       | TR<br>①              | TELEPHONE MANHOLE               | Ci sout                                 |
| C  | DISCREPANCY IN THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO ANY CONSTRUCTION.  |             | irr      | IRRIGATION LINE           | ×                             | $\boxtimes$          | TRAFFIC SIGNAL BOX              |   |
|  |   | OHP         | ohp      | OVERHEAD POWER LINE       | ())                           | Ŵ                    | WATER MANHOLE                   | <b>⊢ →</b>                              |
| ′ 2-3 DAYS.                                |   | P           | p        | POWER LINE                | $\otimes$                     | $\otimes$            | WATER VALVE                     |   |
| ) ALLOWED TO<br>SURED UP AND               |   | ——— P/C ——— | p/c      | POWER/COMMUNICATIONS LINE |                               |                      | WATER METER                     |   |
| D WITH SUITABLE                            |   | ——— Р/Т ——— | p/t      | POWER/TELEPHONE LINE      | cô                            |                      | FIRE HYDRANT                    |   |
| I FABRIC, MIRAFI                           |   | P/T/C       | p/t/c    | POWER/TELE/COMM LINE      | S                             | \$                   | SANITARY SEWER MANHOLE          |   |
| LL SOFT,<br>IALS.                          |   | RD          | rd       | ROOF DRAIN LINE           | °ssco                         | °ssco                | SANITARY SEWER CLEANOUT         |   |
| D PROCTOR<br>LACEMENT SHALL                |   | SW          | SW       | SECONDARY WATER LINE      | Ð                             | SD                   | STORM DRAIN MANHOLE             |   |
|  |   | s           | s        | SANITARY SEWER LINE       |                               |                      | STORM DRAIN CURB INLET          | nt                                      |
| ND AREAS TO BE<br>ECIFICATIONS.            |   | ST          | st       | STEAM LINE                |                               |                      | STORM DRAIN CATCH BASIN         | ai                                      |
| OUND TANKS,<br>ADE AS                      |   | SD          | sd       | STORM DRAIN LINE          | ©                             | \$D                  | STORM DRAIN CLEANOUT            | S S ⊟                                   |
| MENTS.<br>ED TO HAVE A                     |   | T           | t        | TELEPHONE LINE            |                               |                      | STORM DRAIN COMBO BOX           | ay<br>Ak                                |
| DTHERWISE.                                 |   | T/C         | t/c      | TELEPHONE/COMM LINE       | MB                            | MB                   | MAILBOX<br>SIGN                 | Z Ď ≺                                   |
| ASED ON FIELD                              |   | UGP         | ugp      | UNDERGROUND POWER LINE    | 9                             |                      | FLOW DIRECTION                  |   |
| or's full<br>f or through                  |   | W           | W        | WATER LINE                | 98.35                         |                      |                                 | AS AS                                   |
| N.<br>L LOCATION OF                        |   |             | 4572     | CONTOUR LINE              |                               | \$ <sup>96</sup> .38 | SPOT ELEVATION                  | E <sup>L</sup> at                       |
| COMPENSATION                               |   |             |          | CURB & GUTTER (STD)       | multimeter and                | M. M.                | CONIFEROUS TREE                 |   |
| IO EXTRA<br>E REDONE DUE TO                |   |             |          | CURB & GUTTER (OUTFALL)   |                               | mar 200              |                                 |   |
| ETERS OF<br>E CONSTRUCTION<br>FING UTILITY |   |             |          | CONCRETE PAVEMENT         | $\langle \mathcal{D} \rangle$ |                      | DECIDUOUS TREE                  | <b>ND</b><br>ND<br>ND<br>ND<br>ND<br>ND |
| LUE STAKED                                 |   |             |          | STD. DUTY ASPHALT         |                               |                      |                                 | SUS CI<br>SUS CI<br>BRAVO,<br>PROVO,    |
|  |   |             |          | HEAVY DUTY ASPHALT        |                               |                      |                                 | /IEV<br>esu<br>AH (<br>PH               |
|  |   |             |          |                           |                               |                      |                                 | Randv<br>rch of J                       |
|  |   |             |          |                           |                               |                      |                                 | 3R<br>Nur                               |

#### ABBREVIATIONS

| ACRE                    | CTREE       | CONIFEROUS TREE          | FNCVYL | VINYL FENCE              | MW    | MONITORING WELL         | REV        | REVISION                  | TOA    | TOP OF ASPHALT        |
|-------------------------|-------------|--------------------------|--------|--------------------------|-------|-------------------------|------------|---------------------------|--------|-----------------------|
| AMERICANS WITH          | CUFT        | CUBIC FOOT               | FNCWD  | WOOD FENCE               | N     | NORTH                   | ROW        | RIGHT-OF-WAY              | TOC    | TOP OF CONCRETE       |
| DISABILITIES ACT        | CUYD        | CUBIC YARD               | FNCWR  | WIRE FENCE               | NG    | NATURAL GROUND          | RR         | RAILROAD                  | TOE    | TOE OF SLOPE          |
| ADVANCED TRAFFIC MGMT.  | DEL         | DELINEATOR               | FO     | FIBER OPTIC              | NGRET | NG AT RETAINING WALL    | S          | SOUTH                     | TOP    | TOP OF SLOPE or TOP O |
| SYSTEM                  | DIA or Ø    | DIAMETER                 | FOW    | FRONT OF WALK            | NR    | NAIL & RIBBON           | SAD        | SEE ARCHITECTURAL         |        | PIPE                  |
| BAR & CAP               | DIP         | DUCTILE IRON PIPE        | FT     | FEET                     | NW    | NAIL & WASHER           |            | DRAWINGS                  | TOW    | TOP OF WALL           |
| BUILDING CORNER         | DTREE       | DECIDUOUS TREE           | G      | NATURAL GAS              | NTS   | NOT TO SCALE            | SD         | STORM DRAIN               | TR     | TELEPHONE RISER       |
| BLUE STAKED ELECTRIC    | DYL         | DOUBLE YELLOW LINE       | GAR    | GARAGE                   | OG    | ORIGINAL GROUND         | SDCB       | STORM DRAIN CATCH BASIN   | TV     | TELEVISION            |
| BLUE STAKED FIBER OPTIC | E           | EAST                     | GB     | GRADE BREAK              | OH    | OVERHANG                | SDCO       | STORM DRAIN CLEOUNOUT     | TRANS  | TRANSFORMER           |
| BLUE STAKED NATURAL GAS | EB          | ELECTRIC BOX             | GL     | GROUND LIGHT             | OHC   | OVERHEAD                |            | BOX                       | TSP    | TRAFFIC SIGNAL POLE   |
| BLUE STAKED IRRIGATION  | EGL         | ENERGY GRADE LINE        | GM     | GAS METER                |       | COMMUNICATIONS          | SDMH       | STORM DRAIN MANHOLE       | TSB    | TRAFFIC SIGNAL BOX    |
| BLUE STAKED STORM DRAIN | ELEV        | ELEVATION                | GMH    | GAS MANHOLE              | OHP   | OVERHEAD POWER          | SEC        | SECTION                   | UD     | UNDERDRAIN            |
| BLUE STAKED SANITARY    | EM          | ELECTRIC METER           | GUY    | GUY WIRE                 | OHT   | OVERHEAD TELEPHONE      | SPECS      | SPECIFICATIONS            | UGC    | UNDERGROUND           |
| SEWER                   | EMH         | ELECTRIC MANHOLE         | GV     | GAS VALVE                | OHTV  | OVERHEAD TELEVISION     | SLB&M      | SALT LAKE BASE & MERIDIAN |        | COMMUNICATIONS        |
| BLUE STAKED TELEPHONE   | EOA         | EDGE OF ASPHALT          | HDPE   | HIGH DENSITY             | ዊ     | PROPERTY LINE           | SQ         | SQUARE                    | UGP    | UNDERGROUND POWER     |
| BLUE STAKED WATER       | EOC         | EDGE OF CONCRETE         |        | POLYETHYLENE             | PB    | POWER BOX               | SQFT       | SQUARE FEET               | UGT    | UNDERGROUND TELEPH    |
| BENCHMARK               | EOG         | EDGE OF GRAVEL           | HG     | HEADGATE                 | PC    | POINT OF CURVATURE      | SQYD       | SQUARE YARD               | UGTV   | UNDERGROUND TELEVIS   |
| BOTTOM OF BOX           | EOL         | EDGE OF LAWN             | HGL    | HYDRAULIC GRADE LINE     | PCC   | POINT OF COMPOUND CURVE | SS         | SANITARY SEWER            | U.N.O. | UNLESS NOTED OTHERV   |
| BOLLARD                 | EX or EXIST | EXISTING                 | HP     | HIGH POINT               | PI    | POINT OF INTERSECTION   | SSCO       | SANITARY SEWER CLEANOUT   | UP     | UTILITY POLE          |
| BLOW-OFF VALVE          | F           | FIRE                     | HW     | HEADWALL or HIGH WATER   | PM    | PARKING METER           | SSMH       | SANITARY SEWER MANHOLE    | VCP    | VITRIFIED CLAY PIPE   |
| BOTTOM OF WALL          | FC          | FOUNDATION CORNER        | HWY    | HIGHWAY                  | PP    | POWER POLE              | ST         | STEAM                     | VP     | VERTICAL PIPE         |
| CENTERLINE              | FD          | FOUND                    | ICO    | IRRIGATION CLEANOUT      | PRC   | POINT OF REVERSE CURVE  | STA        | STATION                   | W      | WEST or WATER         |
| CABLE TELEVISION        | FDC         | FIRE DEPT. CONNECTION    | ICV    | IRRIGATION CONTROL VALVE | PRK   | PARKING STRIPE          | STD        | STANDARD                  | WM     | WATER METER           |
| CONCRETE BARRIER        | FDMN        | FOUND MONUMENT           | IE     | INVERT ELEVATION         | POC   | POINT OF CONNECTION     | STM        | STORM                     | WMH    | WATER MANHOLE         |
| CURB CUT                | FDSC        | FOUND SECTION CORNER     | IRR    | IRRIGATION               | PT    | POINT OF TANGENCY       | SYL        | SOLID YELLOW LINE         | WS     | WATER SURFACE         |
| COLUMN                  | FFE         | FINISHED FLOOR ELEVATION | LF     | LINEAR FEET              | PWR   | POWER                   | SWL        | SOLID WHITE LINE          | WTR    | WATER                 |
| COMMUNICATIONS          | FG          | FINISHED GRADE           | LIP    | LIP OF GUTTER            | PVC   | POLYVINYL CHLORIDE PIPE | T          | TOWNSHIP                  | WV     | WATER VALVE           |
| CONCRETE                | FH          | FIRE HYDRANT             | LP     | LOW POINT or LIGHT POLE  | R     |                         | TBC        | TOP BACK OF CURB          | WW     | WATERWAY              |
| CONSTRUCTION            | FL          | FLOW LINE                | MAX    | MAXIMUM                  | RCP   | REINFORCED CONCRETE     | TELE       | TELEPHONE                 |        |                       |
|                         | FNC         | FENCE                    | MIN    | MINIMUM                  | NUF   | PIPE                    | TFC        | TOP FACE OF CURB          |        |                       |
| CORRUGATED METAL PIPE   | FNCCL       | CHAIN LINK FENCE         | MON    | MONUMENT                 | RD    | ROOF DRAIN              | TL         | TREE LINE                 |        |                       |
| CONTROL POINT           | INCOL       |                          |        |                          | κD    | ROUF DRAIN              | · <b>-</b> |                           |        |                       |

METAL PIPE

MP

TMH

**TELEPHONE MANHOLE** 

P OF SLOPE or TOP OF

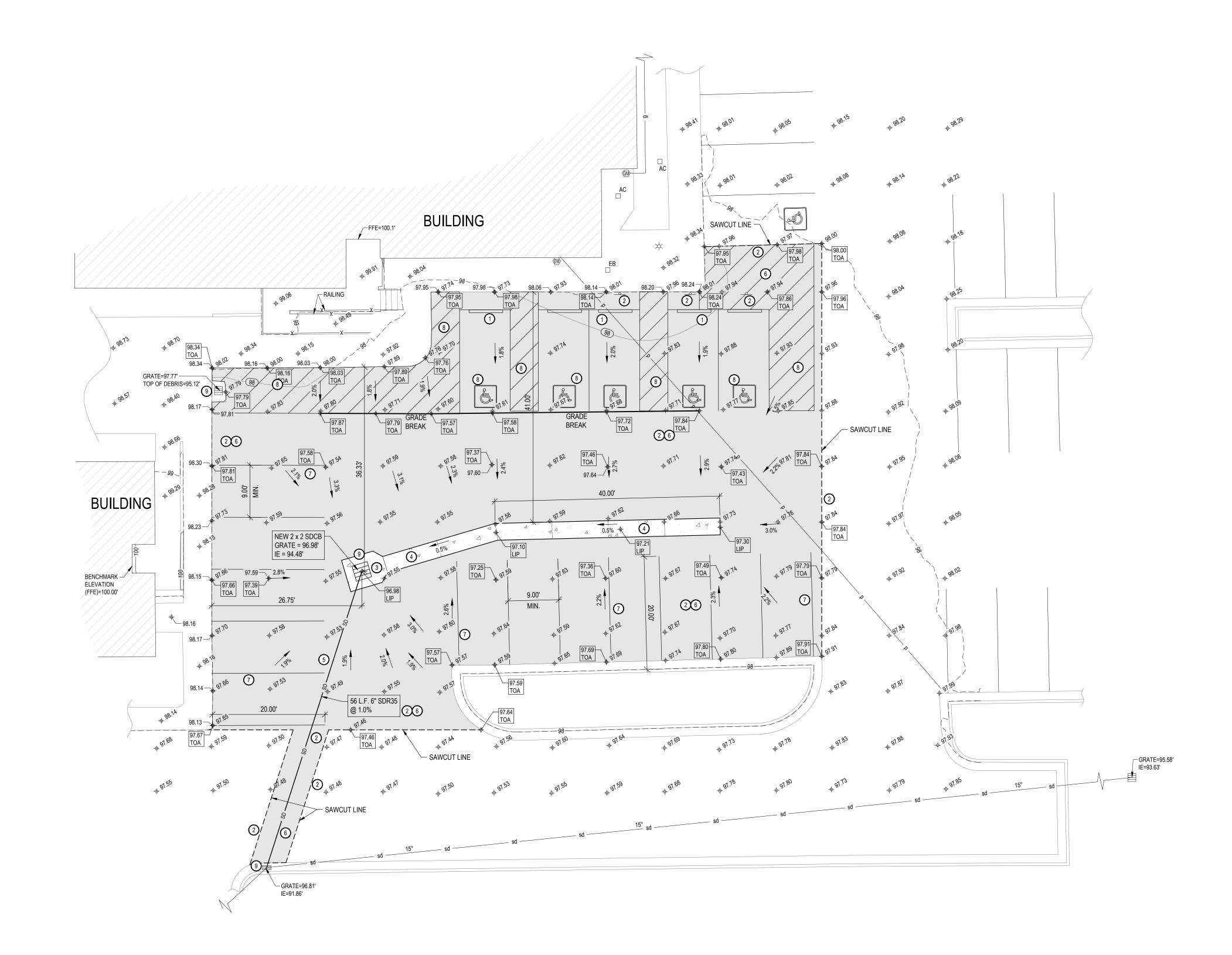
LEPHONE RISER ANSFORMER RAFFIC SIGNAL POLE AFFIC SIGNAL BOX

IDERGROUND **MMUNICATIONS** IDERGROUND POWER IDERGROUND TELEPHONE IDERGROUND TELEVISION ILESS NOTED OTHERWISE

### **DRAWING INDEX**

| SHEET  | DESCRIPTION                             |
|--------|---|
| G1.00  | COVER SHEET                             |
| G1.01  | GENERAL NOTES, LEGEND AND ABBREVIATIONS |
| AS1.01 | GRADING AND DRAINAGE                    |
| AS5.01 | DETAIL SHEET                            |
|        |   |

# PR Gh Ч S PROJECT NO: 18098 DRAWN BY: MGS/DTS CHECKED BY: RJP/CEG DATE: JUNE 2019 PROP NO:5054060-19020101 **GENERAL NOTES** LEGEND, AND ABBREVIATIONS **G1.01**





## GRADING AND DRAINAGE PLAN

SCALE: 1" = 10'-0"

