

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

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

JUNE 2019



GRANDVIEW 7, 23, PROVO YSA
The Church of Jesus Christ of Latter-Day Saints
PROVO UTAH GRANDVIEW EAST STAKE
1120 NORTH 850 WEST
PROVO, UTAH 84604

REVISIONS	
REV	DESCRIPTION

PROJECT NO: 18098
DRAWN BY: MGS/DTS
CHECKED BY: RJP/CEG
DATE: JUNE 2019
PROP NO: 5054060-19020101

COVER SHEET

G1.00

S:\2018files\18098\Consulting\Prod Draw\18098-Std.dwg Melissa Jun 24, 2019 - 2:03pm

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...
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...
1.3 COORDINATION & VERIFICATION
1. ALL DIMENSIONS, GRADES & UTILITY DESIGNS SHOWN ON THE PLANS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION...
1.4 SAFETY AND PROTECTION
1. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION...

- 1.5 MATERIALS
1. SITE CONCRETE SHALL BE A MINIMUM 4500 P.S.I. @ 28 DAYS, 4" MAXIMUM SLUMP WITH 5 + OR - 1% AIR ENTRAINMENT...
2. ASPHALTIC CONCRETE PAVEMENT SHALL BE A MINIMUM 3" OVER 6" OF COMPACTED (95%) ROAD BASE OVER PROPERLY PREPARED AND COMPACTED (90%) SUBGRADE...
1.6 GRADING / SOILS
1. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS...
1.7 UTILITIES
1. THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THESE PLANS ARE BASED ON FIELD SURVEYS AND LOCAL UTILITY COMPANY RECORDS...

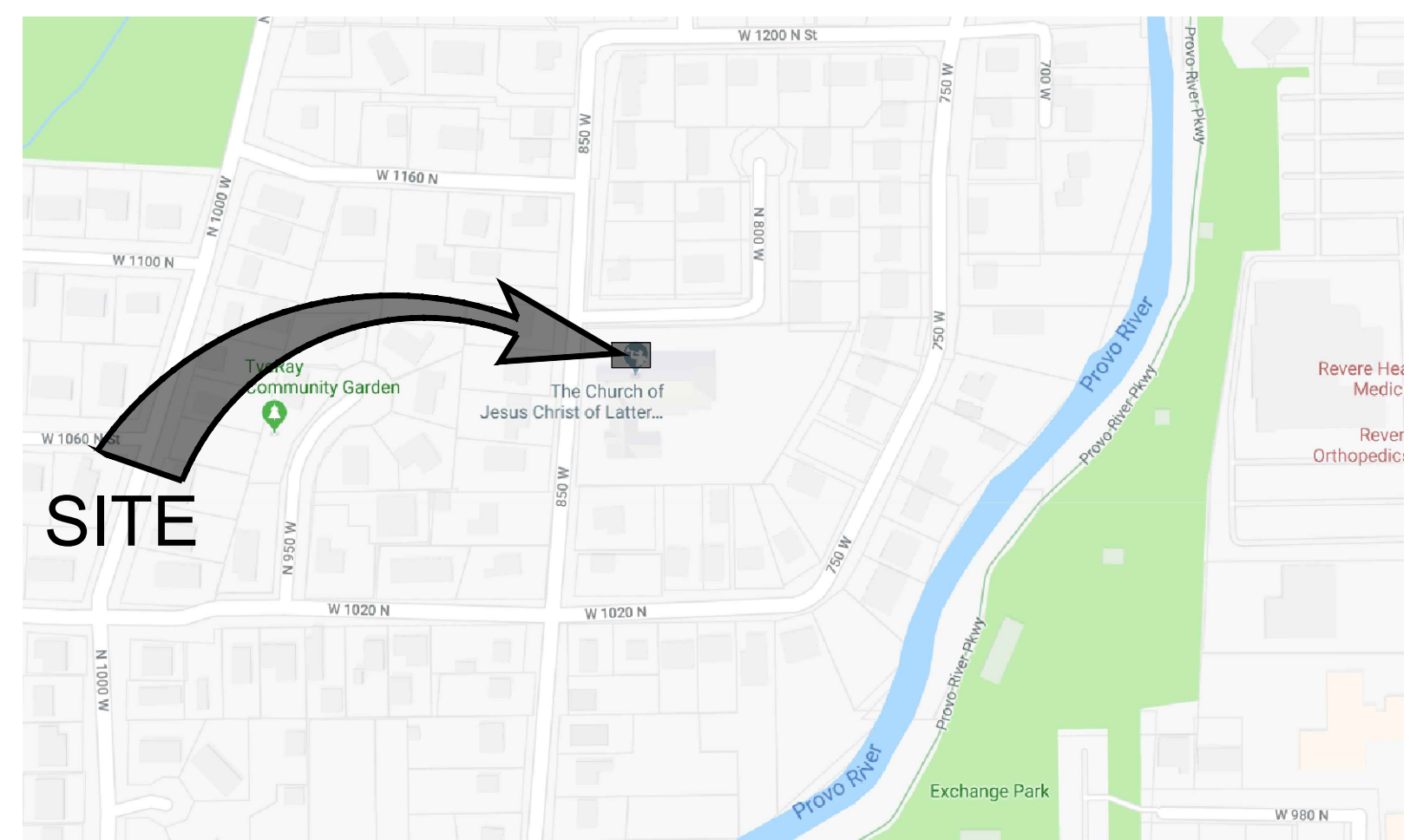
- 6. ALL STORM DRAIN AND IRRIGATION CONDUITS SHALL BE INSTALLED WITH WATER TIGHT JOINTS AND CONNECTIONS.
7. ALL STORM DRAIN PIPE PENETRATIONS INTO BOXES SHALL BE CONSTRUCTED WITH WATER TIGHT SEALS ON THE OUTSIDE AND GROUDED SMOOTH WITH A NON-SHRINK GROUT ON THE INSIDE...
1.8 SURVEY CONTROL
1. CONTRACTOR MUST PROVIDE A REGISTERED LAND SURVEYOR OR PERSONS UNDER THE SUPERVISION OF A REGISTERED LAND SURVEYOR TO SET STAKES FOR THE ALIGNMENT AND GRADE OF EACH MAIN AND/OR FACILITY AS SHOWN ON THE PLANS...
1.9 AMERICAN DISABILITIES ACT
1. PEDESTRIAN / ADA ROUTES SHALL MEET THE FOLLOWING SPECIFICATIONS:
* ROUTES SHALL HAVE A 2.00% (1:50) MAXIMUM CROSS SLOPE.
* ROUTES SHALL HAVE A 5.00% (1:20) MAXIMUM RUNNING SLOPE.
* RAMPS SHALL HAVE A 3.33% (1:30) MAXIMUM RUNNING SLOPE.

LEGEND

Table with 4 columns: NEW, EXISTING, NEW, EXISTING. Lists various symbols and line types for items like MONUMENT LINE, CENTER LINE, SUBJECT PROPERTY LINE, ADJACENT PROPERTY LINE, EASEMENT LINE, DITCH FLOWLINE, FENCE LINE, ATMS CABLE, CABLE TV LINE, COMMUNICATIONS LINE, FIBER-OPTIC CABLE, FIRE LINE, NATURAL GAS LINE, IRRIGATION LINE, OVERHEAD POWER LINE, POWER LINE, POWER/COMMUNICATIONS LINE, POWER/TELEPHONE LINE, POWER/TELE/COMM LINE, ROOF DRAIN LINE, SECONDARY WATER LINE, SANITARY SEWER LINE, STEAM LINE, STORM DRAIN LINE, TELEPHONE LINE, TELEPHONE/COMM LINE, UNDERGROUND POWER LINE, WATER LINE, CONTOUR LINE, CURB & GUTTER (STD), CURB & GUTTER (OUTFALL), CONCRETE PAVEMENT, STD. DUTY ASPHALT, HEAVY DUTY ASPHALT, SECTION CORNER (FOUND), SECTION CORNER (NOT FOUND), STREET MONUMENT, BRASS CAP MONUMENT, POWER POLE, UTILITY POLE, GUY ANCHOR, POWER TRANSFORMER, TRAFFIC SIGNAL CABINET, LIGHT POLE, TELEPHONE RISER, TELEPHONE MANHOLE, TRAFFIC SIGNAL BOX, WATER MANHOLE, WATER VALVE, WATER METER, FIRE HYDRANT, SANITARY SEWER MANHOLE, SANITARY SEWER CLEANOUT, STORM DRAIN MANHOLE, STORM DRAIN CURB INLET, STORM DRAIN CATCH BASIN, STORM DRAIN CLEANOUT, STORM DRAIN COMBO BOX, MAILBOX, SIGN, FLOW DIRECTION, SPOT ELEVATION, CONIFEROUS TREE, DECIDUOUS TREE.

ABBREVIATIONS

Table with 4 columns: AC, ATMS, B&C, BC, BLUE, BLUFO, BLUGC, BLUIR, BLUSD, BLUSS, BLUT, BLUW, BM, BOB, BOL, BOV, BOW, C, CBR, CC, COL, COMM, CONC, CONST, CMP, CP, ACRE, AMERICANS WITH DISABILITIES ACT, ADVANCED TRAFFIC MGMT. SYSTEM, BAR & CAP, BUILDING CORNER, BLUE STAKED ELECTRIC, BLUE STAKED FIBER OPTIC, BLUE STAKED NATURAL GAS, BLUE STAKED IRRIGATION, BLUE STAKED STORM DRAIN, BLUE STAKED SANITARY SEWER, BLUE STAKED TELEPHONE, BENCHMARK, BOTTOM OF BOX, BOLLARD, BLOW-OFF VALVE, BOTTOM OF WALL, CENTERLINE, CABLE TELEVISION, CONCRETE BARRIER, CURB CUT, COLUMN, COMMUNICATIONS, CONCRETE, CONSTRUCTION, CORRUGATED METAL PIPE, CONTROL POINT, CONIFEROUS TREE, CUBIC FOOT, CUBIC YARD, DELINEATOR, DIA or Ø, DUCTILE IRON PIPE, DECIDUOUS TREE, DOUBLE YELLOW LINE, EAST, ELECTRIC BOX, ENERGY GRADE LINE, ELEVATION, ELECTRIC METER, ELECTRIC MANHOLE, EDGE OF ASPHALT, EDGE OF CONCRETE, EDGE OF GRAVEL, EDGE OF LAWN, EX or EXIST, FIRE, FOUNDATION CORNER, FIRE DEPT CONNECTION, FOUND MONUMENT, FOUND SECTION CORNER, FINISHED FLOOR ELEVATION, FINISHED GRADE, FIRE HYDRANT, FLOW LINE, FENCE, CHAIN LINK FENCE, IRON FENCE, VINYL FENCE, WOOD FENCE, WIRE FENCE, FIBER OPTIC, FRONT OF WALK, FEET, NATURAL GAS, GARAGE, GRADE BREAK, GROUND LIGHT, GAS METER, GAS MANHOLE, GUY WIRE, GAS VALVE, HIGH DENSITY POLYETHYLENE, HEADGATE, HYDRAULIC GRADE LINE, HIGH POINT, HEADWALL or HIGH WATER, HIGHWAY, IRRIGATION CLEANOUT, IRRIGATION CONTROL VALVE, INVERT ELEVATION, IRRIGATION, LINEAR FEET, LIP OF GUTTER, LOW POINT or LIGHT POLE, MAXIMUM, MINIMUM, MONUMENT, METAL PIPE, MONITORING WELL, NORTH, NATURAL GROUND, NG AT RETAINING WALL, NAIL & RIBBON, NAIL & WASHER, NOT TO SCALE, ORIGINAL GROUND, OVERHANG, OVERHEAD, COMMUNICATIONS, OVERHEAD POWER, OVERHEAD TELEPHONE, OVERHEAD TELEVISION, PROPERTY LINE, POWER BOX, POINT OF CURVATURE, POINT OF INTERSECTION, PARKING METER, POWER POLE, POINT OF REVERSE CURVE, PARKING STRIPE, POINT OF CONNECTION, POINT OF TANGENCY, POWER, POLYVINYL CHLORIDE PIPE, RANGE, REINFORCED CONCRETE, PIPE, ROOF DRAIN, REVISION, ROW, RAILROAD, SOUTH, SEE ARCHITECTURAL DRAWINGS, STORM DRAIN, STORM DRAIN CATCH BASIN, STORM DRAIN CLEANOUT BOX, STORM DRAIN MANHOLE, SECTION, SPECIFICATIONS, SALT LAKE BASE & MERIDIAN, SQUARE, SQUARE FEET, SQUARE YARD, SANITARY SEWER, SANITARY SEWER CLEANOUT, SANITARY SEWER MANHOLE, STATION, STANDARD, STORM, SOLID YELLOW LINE, SOLID WHITE LINE, TOWNSHIP, TOP BACK OF CURB, TELEPHONE, TOP FACE OF CURB, TREE LINE, TELEPHONE MANHOLE, TOA, TOC, TOE, TOP, TOP OF SLOPE or TOP OF PIPE, TOP OF WALL, TELEPHONE RISER, TELEVISION, TRANSFORMER, TRAFFIC SIGNAL POLE, TRAFFIC SIGNAL BOX, UNDERDRAIN, UNDERGROUND, COMMUNICATIONS, UNDERGROUND POWER, UNDERGROUND TELEPHONE, UNDERGROUND TELEVISION, UNLESS NOTED OTHERWISE, UTILITY POLE, VITRIFIED CLAY PIPE, WEST or WATER, WATER METER, WATER MANHOLE, WATER SURFACE, WATER, WATER VALVE, WATERWAY.



VICINITY MAP N.T.S.

DRAWING INDEX

Table with 2 columns: SHEET, DESCRIPTION. Includes rows for G1.00 COVER SHEET, G1.01 GENERAL NOTES, LEGEND AND ABBREVIATIONS, AS1.01 GRADING AND DRAINAGE, ASS.01 DETAIL SHEET.

Table with 3 columns: REV, DATE, DESCRIPTION. A grid for tracking revisions.

PROJECT NO: 18098
DRAWN BY: MGS/DTS
CHECKED BY: RJP/CEG
DATE: JUNE 2019
PROP NO: 5054060-19020101

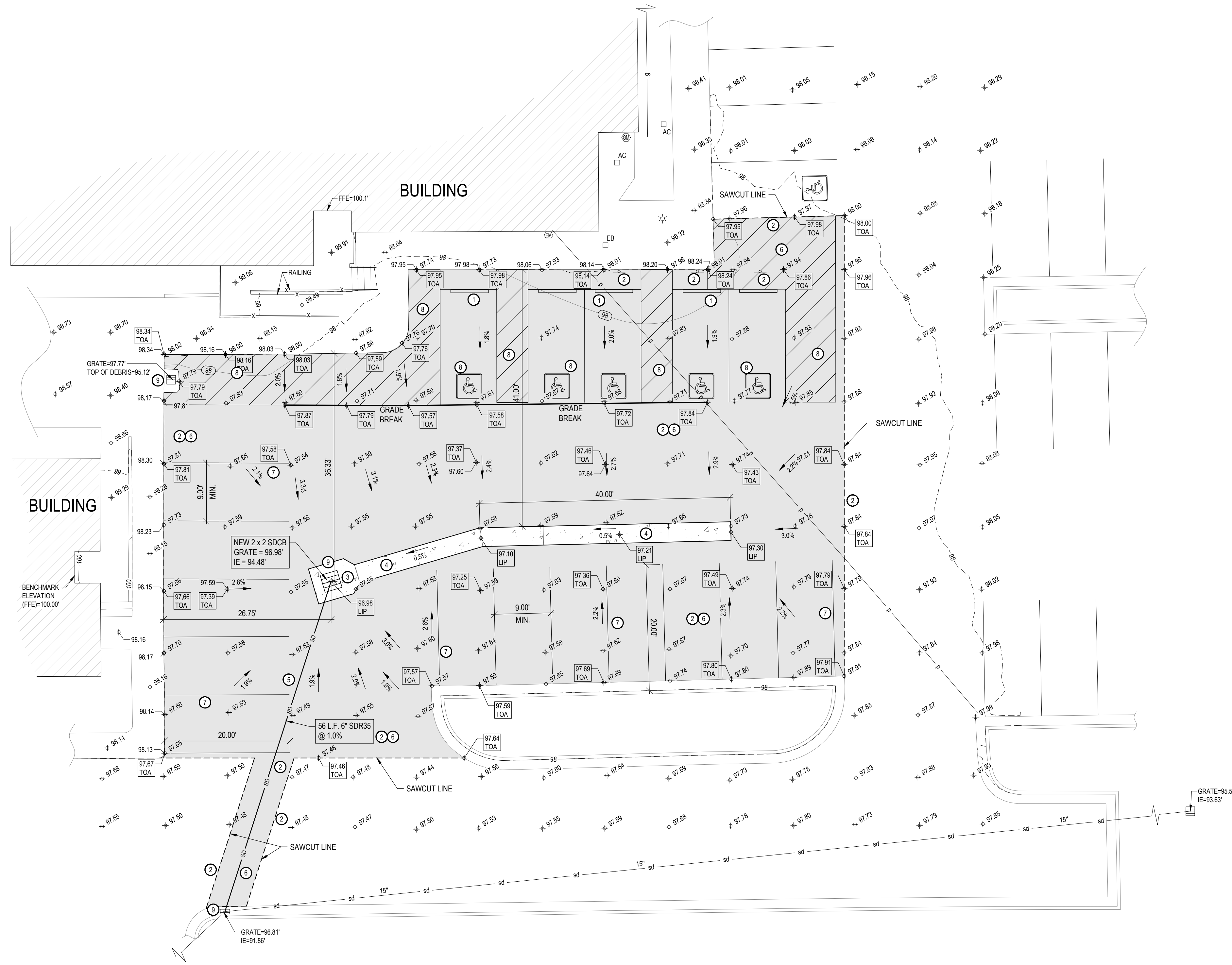
GENERAL NOTES, LEGEND, AND ABBREVIATIONS

G1.01

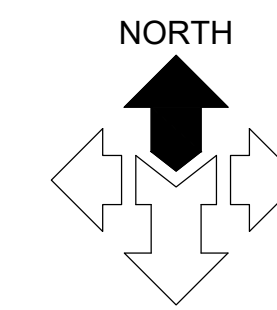
McNEIL ENGINEERING logo and contact information: Economic and Sustainable Design, Professionals You Know and Trust. 8610 South Sandy Parkway, Suite 200, Sandy, Utah 84070. 801.255.7700. mcneilengineering.com

Project title: GRANDVIEW 7, 23, PROVO YSA. Subtitle: The Church of Jesus Christ of Latter-Day Saints. Address: PROVO UTAH GRANDVIEW EAST STAKE, 1120 NORTH 850 WEST, PROVO, UTAH 84604.

S:\2018\res\18098\Consulting\Prod Draw\18098-Std.dwg Melissa Jun 24, 2019 - 2:03pm



GRADING AND DRAINAGE PLAN
SCALE: 1" = 10'-0"



SCALE: 1" = 10'



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

- ① REMOVE, PROTECT, AND STORE EXISTING WHEEL STOPS. AFTER COMPLETION OF ASPHALT PAVING REINSTALL WHEEL STOPS. SEE DETAIL '4', SHEET ASS.01.
- ② SAWCUT EXISTING ASPHALT PAVEMENT. REMOVE ASPHALT PAVEMENT AND ROAD BASE DOWN 9" BELOW FINISH GRADE AND PROPERLY DISPOSE. LEAVE EXISTING ACCESSIBLE SIGNS IN PLACE AND WORK AROUND THEM. CONTRACTOR RESPONSIBLE FOR ALL DAMAGE DURING CONSTRUCTION.
- ③ INSTALL NEW PRECAST STORM DRAIN CATCH BASIN WITH NEW HEAVY DUTY METAL BICYCLE SAFE GRATE AND FRAME. SEE DETAIL '1', SHEET ASS.01. INSTALL NEW CONCRETE APRON AROUND NEW STORM DRAIN CATCH BASIN. SEE DETAIL '3', SHEET ASS.01.
- ④ INSTALL 3'-0" WIDE CONCRETE WATERWAY. SEE DETAIL '2', SHEET ASS.01.
- ⑤ CONNECT NEW STORM DRAIN CATCH BASIN TO EXISTING STORM DRAIN CATCH BASIN WITH NEW 6" DIAMETER SDR35 PVC STORM DRAIN LINE. GROUT CONNECTIONS WATER-TIGHT.
- ⑥ GRADE WITH UNIFORM SLOPE AND INSTALL 6" ROAD BASE WITH 3" ASPHALT PAVEMENT.
- ⑦ PAINT 4" WIDE SOLID PARKING STALL STRIPE LINES PER SPECIFICATION.
- ⑧ PAINT 4" WIDE SOLID ADA PARKING STALL ISLE STRIPING, AND PARKING SYMBOL. SEE DETAILS '5 & 6', SHEET ASS.01.
- ⑨ CLEAN OUT ALL DEBRIS FROM EXISTING AND NEW STORM DRAIN CATCH BASINS AND SUMPS IN AREA OF CONSTRUCTION AT END OF PROJECT. CHECK ALL PIPE CONNECTIONS INTO BOXES THAT THEY ARE SEALED WATERTIGHT. SEAL AS REQUIRED.

LEGEND

- NEW**
 98.35 TOC
- EXISTING**
 98.38 SPOT ELEVATION

REV	DATE	DESCRIPTION

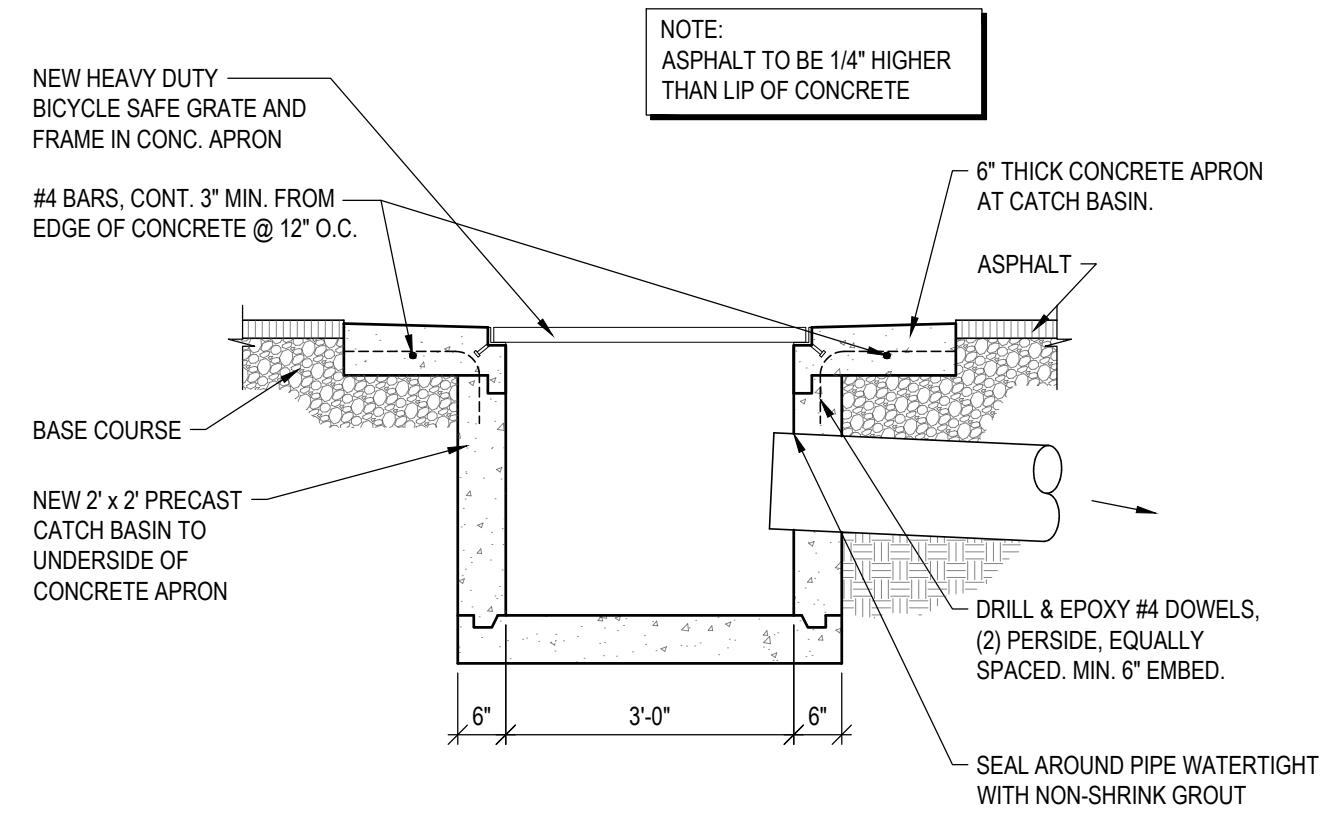
PROJECT NO: 18098
 DRAWN BY: MGS/DTS
 CHECKED BY: RJP/CEG
 DATE: JUNE 2019
 PROP NO: 5054060-19020101

GRADING AND DRAINAGE PLAN

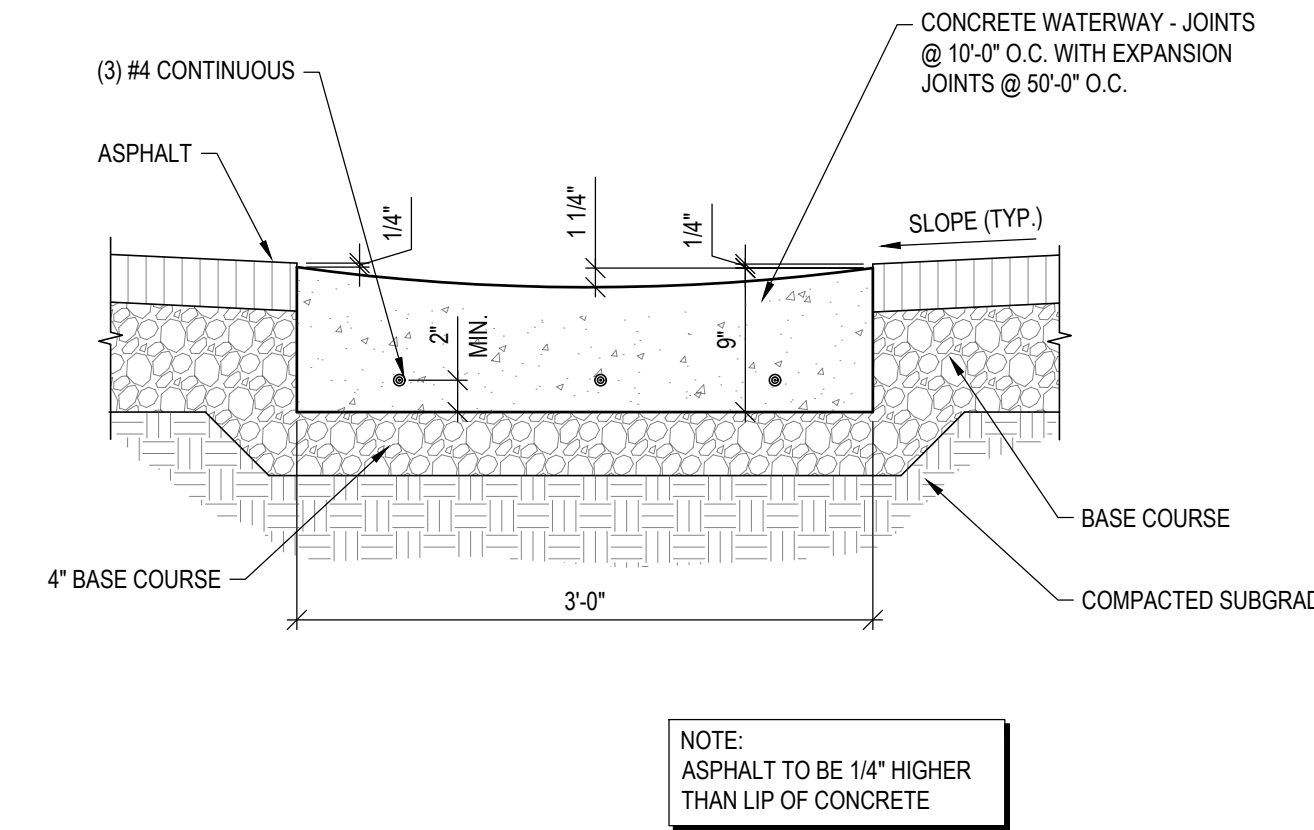
AS1.01

Blue Stakes of UTAH811
 Electric Stakes of Utah

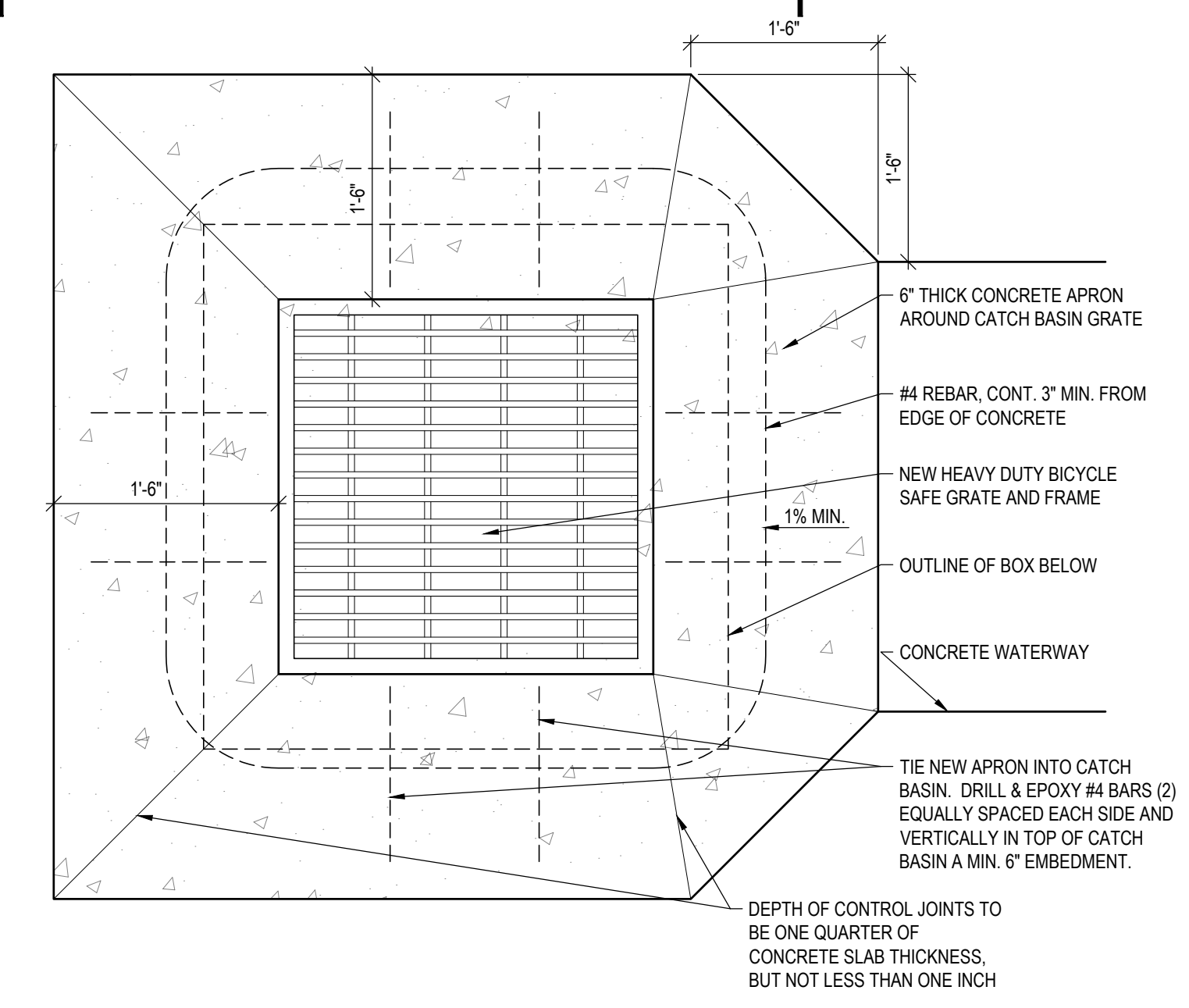
NOTICE!
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION, PROTECTION, AND RESTORATION OF ALL BURIED OR ABOVE GROUND UTILITIES, SHOWN OR NOT SHOWN ON THE PLANS.



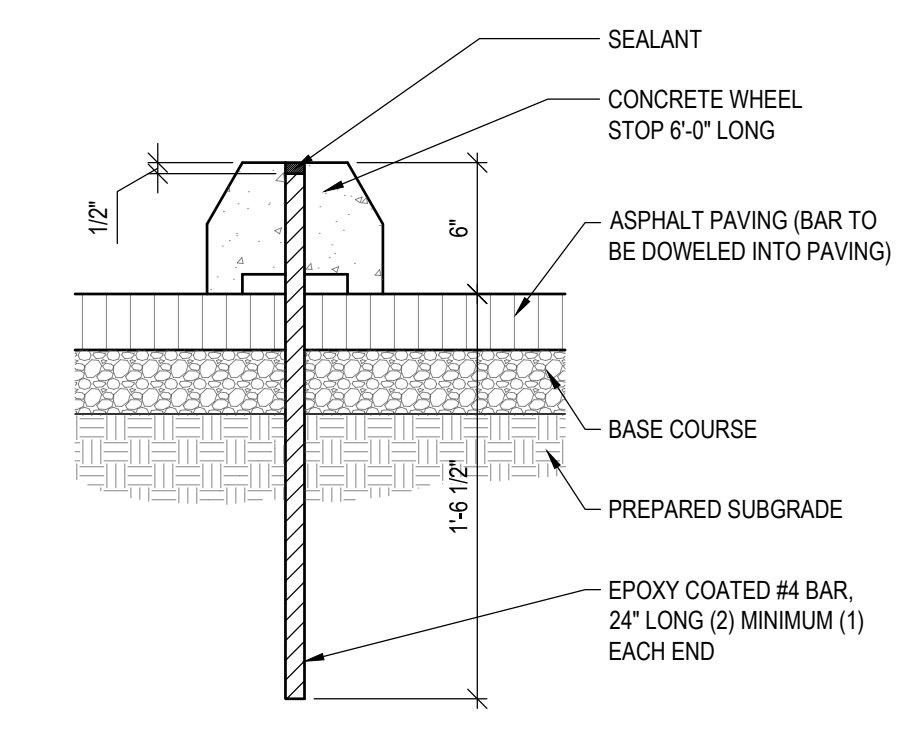
1 CATCH BASIN DETAIL
SCALE: N.T.S.



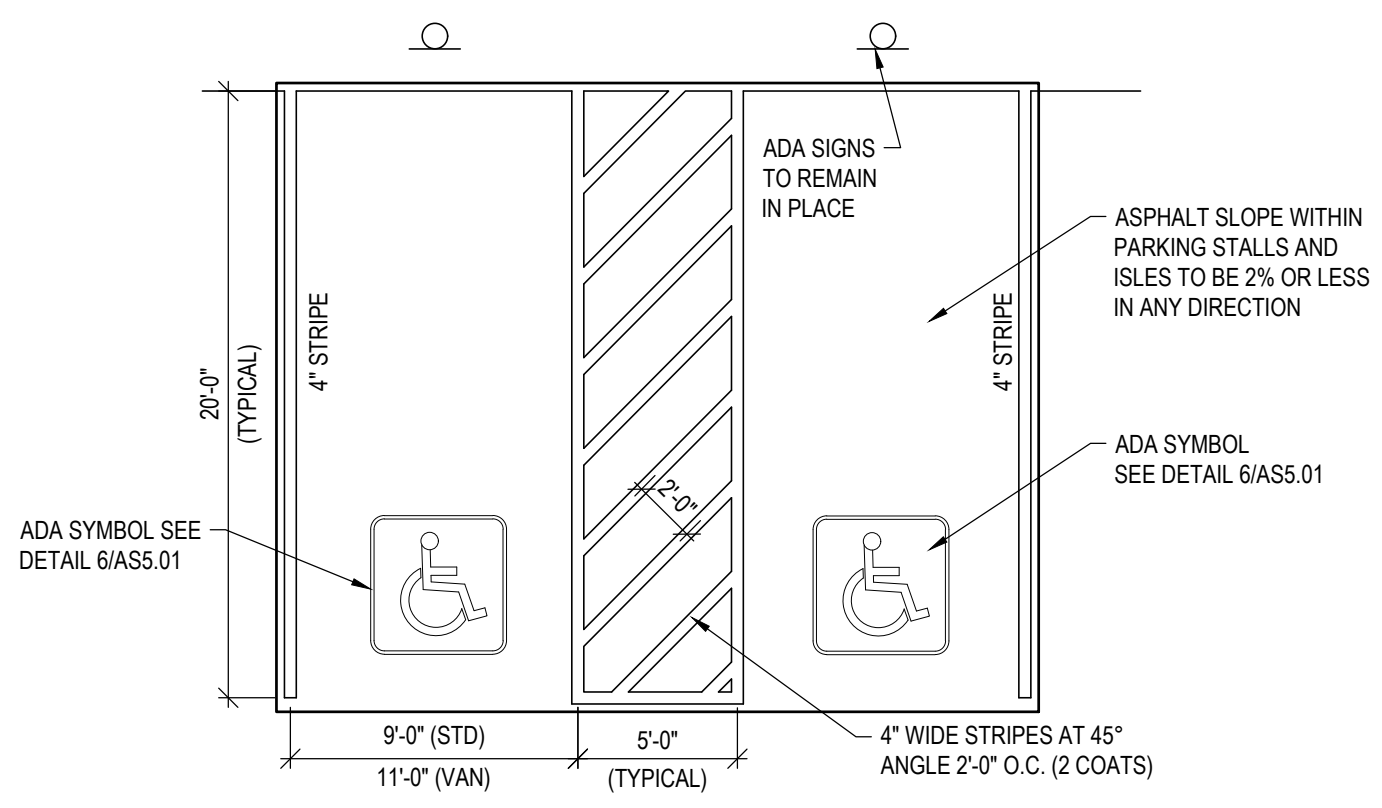
2 CONCRETE WATERWAY
SCALE: N.T.S.



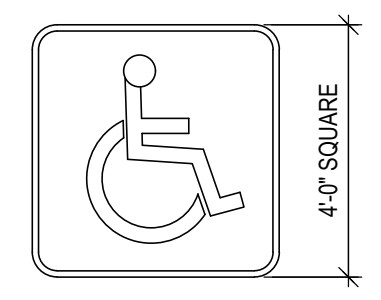
3 CATCH BASIN APRON WATERWAY END
SCALE: N.T.S.



4 CONCRETE WHEEL STOP
SCALE: N.T.S.



5 ADA PARKING DETAIL
SCALE: N.T.S.



PAINTED EMBLEM ON ASPHALT PAVING TYP. AT ALL ADA PARKING STALLS PER CITY REQUIREMENTS. (2 COATS)

NOTE: SEE SPECIFICATION FOR PAINT TYPE AND COLOR. (2 COATS)

6 ADA STRIPING SYMBOL
SCALE: N.T.S.

REV	DATE	DESCRIPTION

PROJECT NO: 18098
DRAWN BY: MGS/DTS
CHECKED BY: RJP/CEG
DATE: JUNE 2019
PROP NO: 5054060-19020101

DETAIL SHEET

AS5.01

S:\2018files\18098\Consulting\Prov Day\18098-Std.dwg Melissa Jun 24, 2019 - 2:04pm