

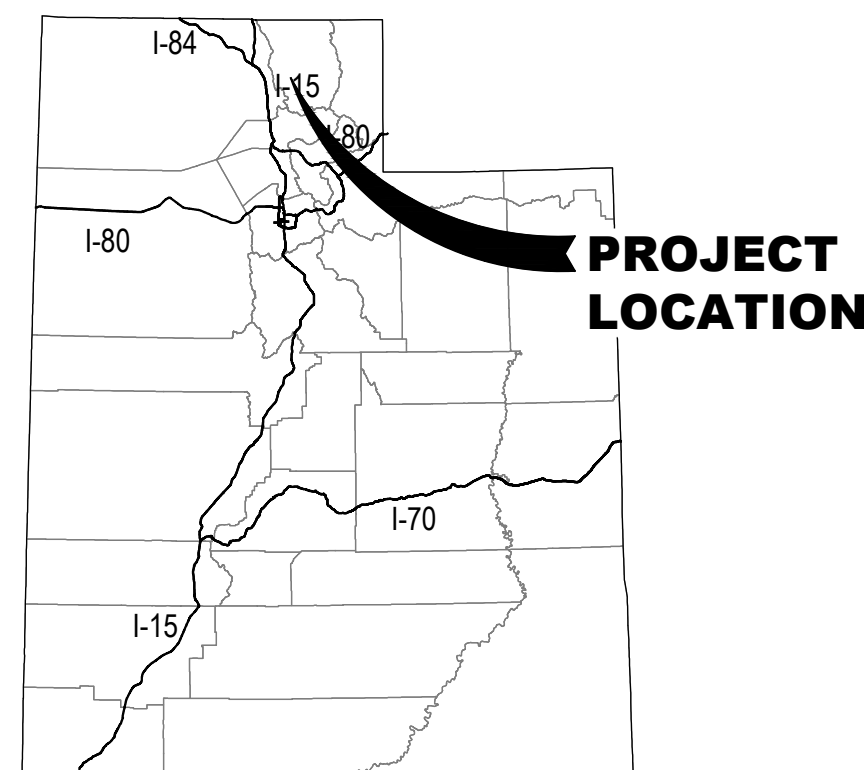
LOGAN CITY SOUTH MAIN STREET SIDEWALK CONNECTION DESIGN FINAL CONSTRUCTION PLANS

SOUTH MAIN STREET
LOGAN, UTAH

ISSUE DATE: DECEMBER 21, 2018



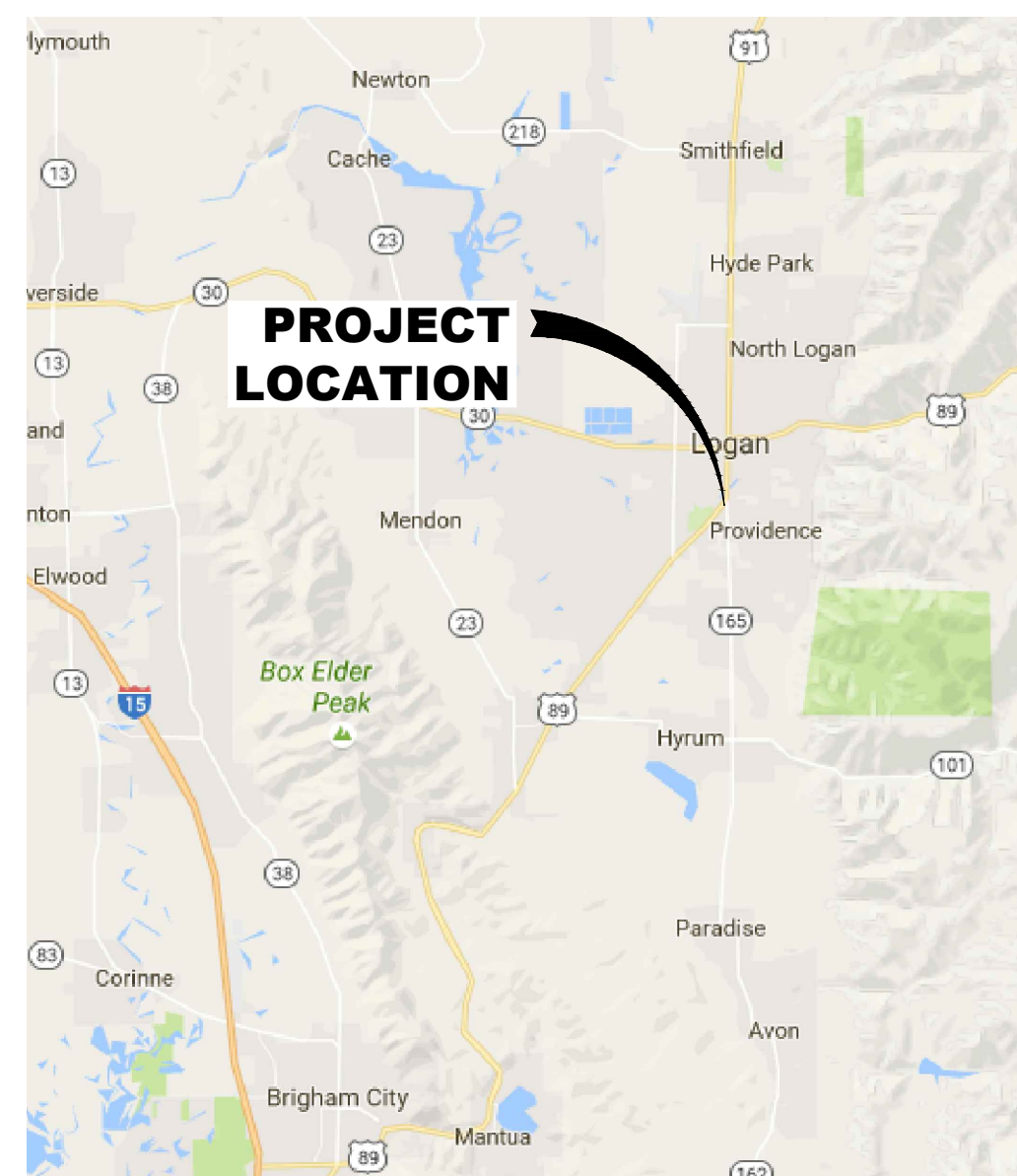
STATE OF UTAH



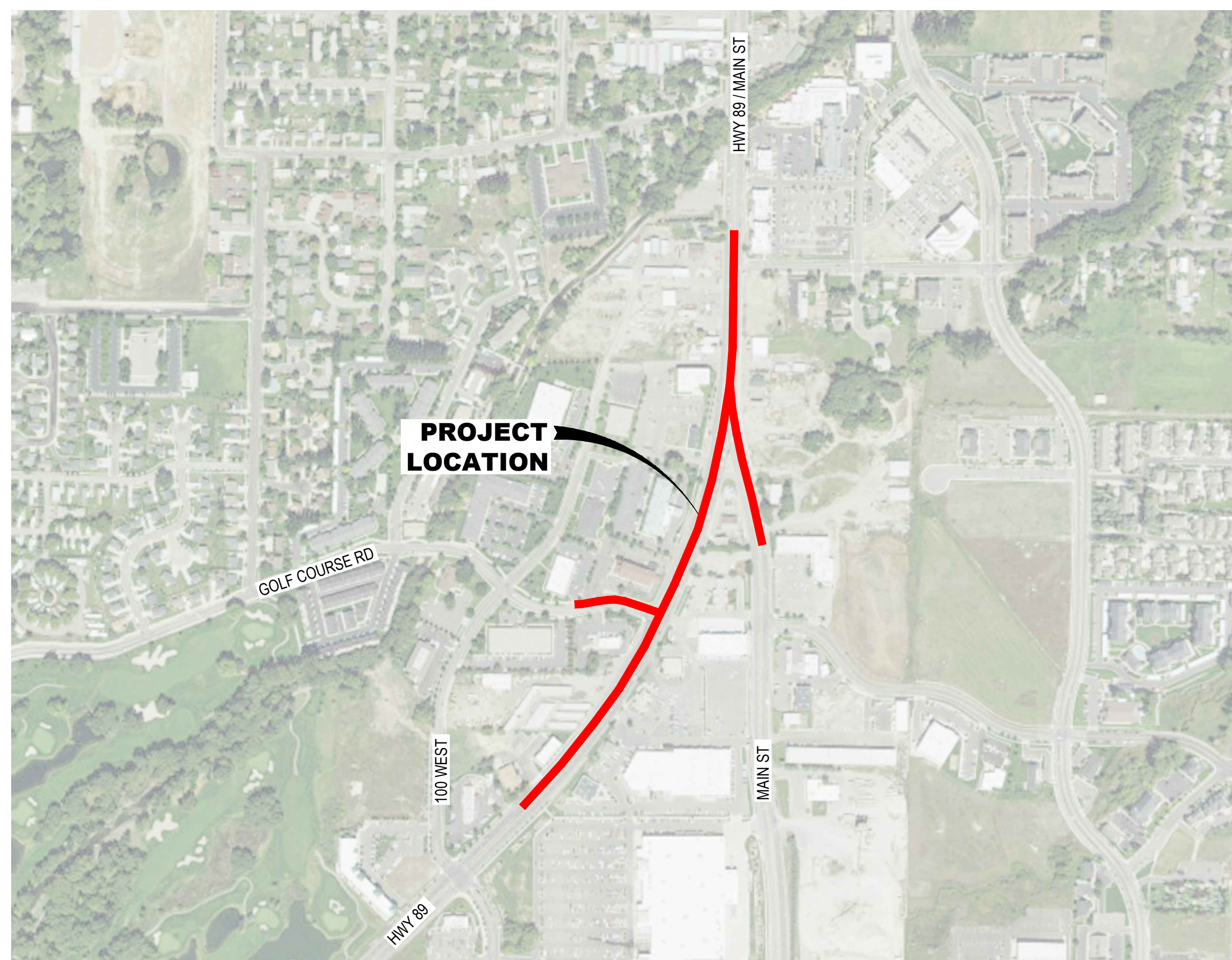
LEGEND

- MAJOR HIGHWAY
- COUNTY LINE

VICINITY MAP



PROJECT LOCATION MAP



SHEET INDEX		
SHEET	SHEET NUMBER	SHEET TITLE
1	GS101	TITLE SHEET
2	GS102	ABBREVIATIONS & LEGEND
3	GS103	SURVEY CONTROL
4	GS104	SHEET LAYOUT
5-10	CD101 TO CD106	CIVIL DEMOLITION & UTILITIES PLAN
11-16	CP101 TO CP106	CIVIL PAVING & SITE PLAN
17-20	CP501 TO CP504	CIVIL PAVING & SITE DETAILS
21-26	CG101 TO CG106	CIVIL GRADING PLAN
27	CU101	CIVIL UTILITY PLAN & PROFILE
28-29	RW101 TO RW102	RIGHT OF WAY PLAN

NOTE:

THE CONTRACTOR IS HEREBY NOTIFIED THAT UDOT IS IN THE PROCESS OF COMPLETING A MILL AND PAVE PROJECT IN THE SAME AREA OF HWY 89/91. COORDINATION WITH UDOT BY THE CONTRACTOR, LOGAN CITY AND CRS WILL BE NECESSARY THROUGHOUT THE DURATION OF THE PROJECT. COMPLETION OF THE WORK WITHIN THE HWY 89/91 ROADWAY INCLUDING CURB, GUTTER, DRIVE APPROACHES, ASPHALT PAVING, UTILITIES IN THE ROADWAY, ETC. MUST BE COMPLETE BY MAY 31, 2019 TO AVOID NEGATIVELY IMPACTING THE UDOT PROJECT.

File Path: P:\161031\logan city - south main street sidewalk\Drawings\Sheets\GENERAL SHEETS.dwg Dec 04, 2018 3:16pm

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NO.	DATE	DESCRIPTION

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PRINCIPAL
D. EYRE

PROJECT MANAGER
M. COLLIER

CHECKED BY
M. COLLIER

DRAWN BY
T. BASS

DRAWING SCALE
N.T.S.

ISSUE DATE
DECEMBER 21, 2018

CALDWELL RICHARDS SORENSEN

ANSWERS TO INFRASTRUCTURE

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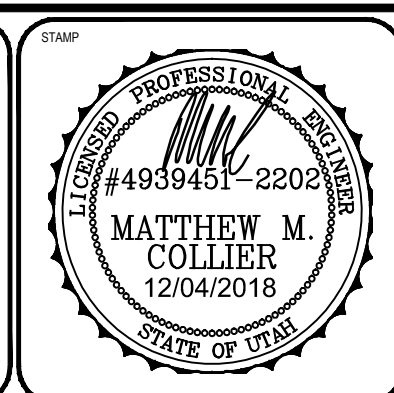
LOGAN CITY

SOUTH MAIN STREET SIDEWALK CONNECTION DESIGN

TITLE SHEET

LOGAN, UTAH

SOUTH MAIN STREET



PROJECT NUMBER 16103F	
SHEET 1	OF 29
SHEET NUMBER GS101	

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THE CONTRACTOR SHALL CAREFULLY READ ALL OF THE NOTES AND SPECIFICATIONS. THE CONTRACTOR SHALL BE SATISFIED AS TO THEIR TRUE MEANING AND INTENT AND SHALL BE RESPONSIBLE FOR COMPLYING WITH EACH.

GENERAL NOTES:

- 1) ALL IMPROVEMENTS SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH ALL JURISDICTIONAL AUTHORITIES.
2) CONTRACTOR SHALL COMPLY WITH THE STANDARDS INDICATED ABOVE AND WITHIN THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL NOTIFY ALL AGENCIES, OWNERS, ENGINEERS, AND UTILITY COMPANIES 5 DAYS PRIOR TO A PRE-CONSTRUCTION MEETING:
OWNER: LOGAN CITY
ENGINEER: CRS ENGINEERS
UDOT: JAY GENEREUX
3) IT IS INTENDED THAT THESE PLANS AND SPECIFICATIONS REQUIRE ALL LABOR AND MATERIALS NECESSARY AND PROPER FOR THE WORK CONTEMPLATED AND THAT THE WORK BE COMPLETED IN ACCORDANCE WITH THEIR TRUE INTENT AND PURPOSE.
4) WHERE THE PLANS OR SPECIFICATIONS DESCRIBE PORTIONS OF THE WORK IN GENERAL TERMS BUT NOT IN COMPLETE DETAIL, IT IS UNDERSTOOD THAT ONLY THE BEST GENERAL PRACTICE IS TO PREVAIL AND THAT ONLY MATERIALS AND WORKMANSHIP OF THE FINEST QUALITY ARE TO BE USED.
5) THE CONTRACTOR SHALL BE SKILLED AND REGULARLY ENGAGED IN THE GENERAL CLASS AND TYPE OF WORK CALLED FOR IN THE PROJECT PLANS AND SPECIFICATIONS. THEREFORE, THE OWNER IS RELYING UPON THE EXPERIENCE AND EXPERTISE OF THE CONTRACTOR. IT SHALL BE EXPECTED THAT PRICES PROVIDED WITHIN THE CONTRACT DOCUMENTS SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY AND PROPER FOR THE WORK CONTEMPLATED AND THAT THE WORK BE COMPLETED IN ACCORDANCE WITH THEIR TRUE INTENT AND PURPOSE.
6) THE CONTRACTOR SHALL BE COMPETENT, KNOWLEDGEABLE, AND HAVE SPECIAL SKILLS ON THE NATURE, EXTENT, AND INHERENT CONDITIONS OF THE WORK TO BE PERFORMED. CONTRACTOR SHALL ALSO ACKNOWLEDGE THAT THERE ARE CERTAIN PECULIAR AND INHERENT CONDITIONS EXISTENT IN CONSTRUCTION OF PARTICULAR FACILITIES, WHICH MAY CREATE, DURING THE CONSTRUCTION PROGRAM, UNUSUAL OR PECULIAR SAFETY CONDITIONS, WHICH CONDITIONS COULD BE HAZARDOUS TO PERSONS, PROPERTY AND THE ENVIRONMENT. CONTRACTOR SHALL BE AWARE OF SUCH PECULIAR RISKS AND HAVE THE SKILL AND EXPERIENCE TO FORESEE AND TO ADOPT PROTECTIVE MEASURES TO ADEQUATELY AND SAFELY PERFORM THE CONSTRUCTION WORK WITH RESPECT TO SUCH HAZARDS.
7) THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS AND LICENSES REQUIRED FOR THE CONSTRUCTION AND COMPLETION OF THE PROJECT, AND SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS AND CONDITIONS OF ALL PERMITS AND APPROVALS APPLICABLE TO THIS PROJECT. THE CONTRACTOR SHALL ENSURE THAT THE NECESSARY RIGHTS-OF-WAY, EASEMENTS, AND/OR PERMITS ARE SECURED PRIOR TO CONSTRUCTION.
8) CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT WHERE APPLICABLE FOR ANY WORK DONE WITHIN RIGHTS-OF-WAY OR EASEMENTS FROM LOGAN, UTAH, AND UDOT. CONTRACTOR SHALL NOTIFY CITY, COUNTY, AND/OR STATE, 24 HOURS IN ADVANCE OF COMMENCING THE WORK, OR AS REQUIRED BY SAID PERMITS.
9) THE CONTRACTOR SHALL, AT THE TIME OF BIDDING, AND THROUGHOUT THE PERIOD OF THE CONTRACT, BE LICENSED IN THE STATE OF UTAH AND SHALL BE BONDABLE FOR AN AMOUNT EQUAL TO OR GREATER THAN THE AMOUNT BID AND TO DO THE TYPE OF WORK CONTEMPLATED IN THE PLANS AND SPECIFICATIONS.
10) CONTRACTOR SHALL INSPECT THE SITE OF THE WORK PRIOR TO BIDDING TO SATISFY THEMSELVES BY PERSONAL EXAMINATION OR BY SUCH OTHER MEANS AS THEY MAY PREFER, OF THE LOCATION OF

- THE PROPOSED WORK, AND OF THE ACTUAL CONDITIONS OF, AND AT, THE SITE OF WORK. IF, DURING THE COURSE OF THEIR EXAMINATION, A BIDDER FINDS FACTS OR CONDITIONS WHICH APPEAR TO THEM TO BE IN CONFLICT WITH THE LETTER OR SPIRIT OF THE PROJECT PLANS AND SPECIFICATIONS, THEY SHALL CONTACT THE ENGINEER FOR ADDITIONAL INFORMATION AND EXPLANATION BEFORE SUBMITTING THEIR BID. SUBMISSION OF A BID BY THE CONTRACTOR SHALL CONSTITUTE ACKNOWLEDGMENT THAT, IF AWARDED THE CONTRACT, THEY HAVE RELIED AND ARE RELYING ON THEIR OWN EXAMINATION OF (1) THE SITE OF THE WORK, (2) ACCESS TO THE SITE, AND (3) ALL OTHER DATA AND MATTERS REQUISITE TO THE FULFILLMENT OF THE WORK AND ON THEIR OWN KNOWLEDGE OF EXISTING FACILITIES ON AND IN THE VICINITY OF THE SITE OF THE WORK TO BE CONSTRUCTED UNDER THIS CONTRACT. THE INFORMATION PROVIDED BY THE OWNER OR THE ENGINEER IS NOT INTENDED TO BE A SUBSTITUTE FOR, OR A SUPPLEMENT TO THE INDEPENDENT VERIFICATION BY THE CONTRACTOR TO THE EXTENT SUCH INDEPENDENT INVESTIGATION OF SITE CONDITIONS IS DEEMED NECESSARY OR DESIRABLE BY THE CONTRACTOR. CONTRACTOR SHALL ACKNOWLEDGE THAT THEY HAVE NOT RELIED SOLELY UPON OWNER OR ENGINEER FURNISHED INFORMATION REGARDING SITE CONDITIONS IN PREPARING AND SUBMITTING THEIR BID.
11) THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, BARRICADES, SIGNS, FLAGMEN OR OTHER DEVICES NECESSARY FOR PUBLIC SAFETY.
12) THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL WATER, POWER, SANITARY FACILITIES AND TELEPHONE SERVICES AS REQUIRED FOR THE CONTRACTORS USE DURING CONSTRUCTION.
13) THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE OWNER AND/OR ENGINEER.
14) THE CONTRACTOR SHALL EXERCISE DUE CAUTION AND SHALL CAREFULLY PRESERVE BENCH MARKS, CONTROL POINTS, SECTION CORNERS, REFERENCE POINTS AND ALL SURVEY STAKES, AND SHALL BEAR ALL EXPENSES FOR REPLACEMENT AND/OR ERRORS CAUSED BY UNNECESSARY LOSS OR DISTURBANCE.
15) THE CONTRACTOR AGREES THAT:
A) THEY SHALL BE RESPONSIBLE TO CLEAN THE JOB SITE AT THE END OF EACH DAY.
B) THEY SHALL BE RESPONSIBLE TO REMOVE AND DISPOSE OF ALL TRASH, SCRAP AND UNUSED MATERIAL AT THEIR OWN EXPENSE IN A TIMELY MANNER.
C) THEY SHALL BE RESPONSIBLE TO MAINTAIN THE SITE IN A NEAT, SAFE AND ORDERLY MANNER AT ALL TIMES.
D) THEY SHALL BE RESPONSIBLE TO KEEP MATERIALS, EQUIPMENT, AND TRASH OUT OF THE WAY OF OTHER CONTRACTORS SO AS NOT TO DELAY THE JOB. FAILURE TO DO SO WILL RESULT IN A DEDUCTION FOR THE COST OF CLEAN UP FROM THE FINAL PAYMENT.
E) THEY SHALL BE RESPONSIBLE FOR THEIR OWN SAFETY, TRAFFIC CONTROL, PERMITS, RETESTING AND RE-INSPECTIONS AT THEIR OWN EXPENSE.
16) THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOBSITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND 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 AND GROSS NEGLIGENCE OF THE OWNER OR THE ENGINEER.
17) DUST CONTROL SHALL BE PROVIDED AT ALL TIMES, AT THE CONTRACTOR'S EXPENSE, TO MINIMIZE ANY DUST NUISANCE AND SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF LOGAN CITY AND UDOT.
18) CONSTRUCTION STAKING WILL BE PERFORMED BY CONTRACTOR. FOR ALL WORK WITHIN PUBLIC RIGHTS-OF-WAYS OR EASEMENTS, THE CONTRACTOR SHALL PRESERVE THE INTEGRITY AND LOCATION OF ANY AND ALL PUBLIC UTILITIES AND PROVIDE THE NECESSARY CONSTRUCTION TRAFFIC CONTROL. CONTRACTOR SHALL, THROUGH THE ENCROACHMENT PERMIT PROCESS, VERIFY WITH THE NECESSARY REGULATORY AGENCIES, THE NEED FOR ANY TRAFFIC ROUTING PLAN. IF PLAN IS REQUIRED, CONTRACTOR SHALL PROVIDE PLAN AND RECEIVE PROPER APPROVALS PRIOR TO BEGINNING CONSTRUCTION.
19) THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY SCHEDULING INSPECTION AND TESTING OF ALL FACILITIES CONSTRUCTED UNDER THIS CONTRACT. ALL TESTING SHALL CONFORM TO THE REGULATORY AGENCY'S STANDARD SPECIFICATIONS. ALL RE-TESTING AND/OR RE-INSPECTION SHALL BE PAID FOR BY THE CONTRACTOR.
20) THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STREETS, STORM DRAINS, CHANNELS, DITCHES, AND SWALES FREE FROM DEBRIS, SOIL, MUD, OR OTHER MATERIAL THAT WOULD CAUSE A PUBLIC SAFETY CONCERN OR VIOLATE ANY CITY, STATE, OR FEDERAL LAWS.
21) IF EXISTING FEATURES NEED TO BE DISTURBED AND/OR REMOVED FOR THE PROPER PLACEMENT OF IMPROVEMENTS TO BE CONSTRUCTED BY THESE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING FEATURES FROM DAMAGE. COST OF REPLACING OR REPAIRING EXISTING FEATURES SHALL BE INCLUDED IN THE BID PRICE FOR ITEMS REQUIRING REMOVAL AND/OR REPLACEMENT.
22) THE CONTRACTOR SHALL MAINTAIN A NEATLY MARKED SET OF

- FULL-SIZE AS-BUILT DRAWINGS SHOWING THE FINAL LOCATION AND LAYOUT OF ALL FACILITIES. AS-BUILT DRAWINGS SHALL REFLECT CHANGE ORDERS, ACCOMMODATIONS, AND ADJUSTMENTS TO ALL IMPROVEMENTS CONSTRUCTED. WHERE NECESSARY, SUPPLEMENTAL DRAWINGS SHALL BE PREPARED AND SUBMITTED BY THE CONTRACTOR. PRIOR TO ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL DELIVER TO THE ENGINEER, ONE SET OF NEATLY MARKED AS-BUILT DRAWINGS SHOWING THE INFORMATION REQUIRED ABOVE. AS-BUILT DRAWINGS SHALL BE REVIEWED AND THE COMPLETE AS-BUILT DRAWING SET SHALL BE CURRENT WITH ALL CHANGES AND DEVIATIONS REDEFINED AS A PRECONDITION TO THE FINAL PROGRESS PAYMENT APPROVAL AND/OR FINAL ACCEPTANCE.
23) WORK IN EASEMENT AND/OR RIGHTS-OF-WAY IS SUBJECT TO THE APPROVAL AND ACCEPTANCE OF THE REGULATORY AGENCY RESPONSIBLE FOR OPERATION AND/OR MAINTENANCE OF SAID EASEMENT AND/OR RIGHT-OF-WAY.
24) NO ALLOWANCE WILL BE MADE FOR DISCREPANCIES OR OMISSIONS THAT CAN BE EASILY OBSERVED. VERIFY ALL EXISTING CONDITIONS BEFORE BIDDING, AND OBTAIN ANSWERS TO ANY QUESTIONS BEFORE CONSTRUCTION.
25) FURNISH, MAINTAIN, AND RESTORE ALL MONUMENTS AND MONUMENT REFERENCE MARKS WITHIN THE PROJECT SITE. CONTACT THE CITY OR COUNTY SURVEYOR FOR MONUMENT LOCATIONS AND CONSTRUCTION DETAILS.
26) PROVIDE A CONSTRUCTION SCHEDULE IN ACCORDANCE WITH CITY, COUNTY, AND STATE REGULATIONS FOR WORKING IN THE PUBLIC WAY.
27) FURNISH ALL MATERIALS TO COMPLETE THE PROJECT.
28) TRAFFIC CONTROL IS TO CONFORM TO THE CURRENT MUTCD AND UDOT STANDARDS.
29) CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ADJACENT SURFACE IMPROVEMENTS.
30) ALL EXISTING ASPHALT WILL BE SAW CUT IN NEAT STRAIGHT LINES BY THE CONTRACTOR PRIOR TO EXCAVATION.
31) STRIPING WILL BE PER THE PLANS AND/OR AS DIRECTED BY UDOT. STRIPING TO INCLUDE HANDICAP INSIGNIAS, SIGNS, CROSS-HATCHING, DIRECTION ARROWS, ETC. THERMOPLASTIC STRIPING IS REQUIRED WITHIN UDOT ROW.
32) KEEP TRAVEL LANES OPEN M-F 7:00 - 9:00 AM AND 3:30 - 5:30 PM
33) THE CONTRACTOR SHALL OBTAIN A BUILDING PERMIT FROM LOGAN CITY BUILDING DEPARTMENT PRIOR TO BEGINNING CONSTRUCTION.
34) THE CONTRACTOR SHALL OBTAIN A SIGN PERMIT FROM LOGAN CITY BUILDING DEPARTMENT PRIOR TO RELOCATING OR MODIFYING ANY PUBLIC SIGNS.
35) PEDESTRIAN ACCESS ROUTES SHALL FOLLOW UDOT STANDARDS.
36) CONTRACTOR SHALL NOTIFY PROPERTY OWNERS AND BUSINESSES 48 HOURS PRIOR TO ANY ACCESS CLOSURE.

GENERAL CLEARING AND GRADING NOTES:

- 1) CLEARING, GRUBBING AND DISPOSING OF VEGETATIVE MATERIAL NEEDS TO BE IN ACCORDANCE WITH LOGAN CITY, UDOT, STATE AND COUNTY REGULATIONS, WHICH APPLY TO SOLID WASTE. THE CONTRACTOR WILL PREPARE AND IMPLEMENT THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP), OBTAIN NOI, MAINTAIN BMPS AND PERFORM INSPECTIONS.
2) LOGAN CITY REQUIRES THE USE OF LOGAN CITY ENVIRONMENTAL DEPARTMENT SOLID WASTE COLLECTION AND DISPOSAL. SWPPP TO BE PREPARED BY THE CONTRACTOR. THE CONTRACTOR SHALL POST THE SWPPP ONSITE, PERFORM ALL INSPECTIONS, AND DOCUMENT ALL SWPPP ACTIONS AS REQUIRED BY THE STATE OF UTAH, DEPARTMENT OF ENVIRONMENTAL QUALITY AND DIVISION OF AIR QUALITY.
3) EROSION CONTROL BMP'S IDENTIFIED ON THE SWPPP TO BE INSTALLED WITHIN THE SAME WORKING DAY THE LAND DISTURBANCE OCCURS.
4) DUST CONTROL BMP'S ARE TO BE ON SITE AND IMPLEMENTED AS SOON AS LAND DISTURBANCE OCCURS.
5) THE EXISTING TOPOGRAPHY SHOWN ON THESE PLANS IS BASED ON A TOPOGRAPHIC SURVEY PERFORMED BY CRS ENGINEERS. IF THE EXISTING GRADE IS DIFFERENT FROM WHAT IS SHOWN ON THE GRADING PLAN, STOP WORK AND CONTACT CRS ENGINEERS. WORK IS TO REMAIN STOPPED UNTIL THE ENGINEER PROVIDES A WRITTEN NOTICE TO RESUME WORK.
6) THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE STREETS, STORM DRAINS, CHANNELS, DITCHES, AND SWALES FREE FROM DEBRIS, SOIL, MUD, OR OTHER MATERIAL THAT WOULD CAUSE A PUBLIC SAFETY CONCERN OR VIOLATE ANY CITY, STATE, OR FEDERAL LAWS.
7) BMP'S ARE TO BE IN PLACE AND MAINTAINED UNTIL WRITTEN NOTIFICATION IS RECEIVED FROM LOGAN CITY.
8) IF DISTURBANCE OCCURS OUTSIDE THE LIMITS OF DISTURBANCE, WORK WILL STOP AND REMAIN STOPPED UNTIL A WRITTEN RESPONSE IS RECEIVED FROM THE ENGINEER.
9) THE CONTRACTOR SHALL REMOVE ALL VEGETATION AND DELETERIOUS MATERIALS FROM THE SITE UNLESS NOTED OTHERWISE.
10) 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 OWNER.

GENERAL UTILITY NOTES

- 1) THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THESE PLANS ARE BASED ON FIELD SURVEYS AND LOCAL UTILITY COMPANY RECORDS. IT SHALL BE THE CONTRACTORS FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO PROCEEDING WITH CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY CONTRACTORS WORK FORCE.
2) START AT THE LOW END OF ALL GRAVITY FED LINES AND WORK UPHILL. FAILURE TO COMPLY WITH THIS NOTE SHALL RELEASE THE CIVIL ENGINEER OF ALL LIABILITY.
3) CONTRACTOR SHALL LAYOUT AND POTHOLE FOR ALL POTENTIAL CONFLICTS WITH UTILITY LINES ON OR OFF SITE AS REQUIRED PRIOR TO ANY CONSTRUCTION.
4) STORM DRAIN - SEE LOGAN CITY AND UDOT STANDARDS & SPECIFICATIONS FOR ALL DETAILS & SPECIFICATIONS GOVERNING THE CONSTRUCTION & INSPECTION OF THE STORM DRAIN & APPURTENANCES WITHIN THE PUBLIC RIGHT-OF-WAY AS SHOWN ON THIS PLAN. SEE THE DETAILS PROVIDED ON THIS SET OF DRAWINGS FOR ALL OTHER STORM DRAIN CONSTRUCTION. APWA STANDARDS WILL BE USED IN THE ABSENCE OF ANY STANDARDS AND DETAILS.
5) ALL DIMENSIONS AND GRADES OF EXISTING STORM DRAIN PIPES, BOX CULVERTS, STRUCTURES, ETC. SHOWN ON THE PLANS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. 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.
6) 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.
7) VERIFY DEPTHS OF UTILITIES IN THE FIELD BY POT HOLING A MINIMUM OF 300 FEET 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 THE OWNER OR ENGINEER.
8) ALL DIMENSIONS, GRADES, AND UTILITY DESIGNS SHOWN ON THE PLANS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. 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.
9) NO CHANGE IN DESIGN LOCATION OR GRADE WILL BE MADE BY THE CONTRACTOR WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER.
10) ALL EXISTING MANHOLES, WATER VALVES, CLEAN OUTS, ETC., ARE TO BE RAISED OR LOWERED TO GRADE.
11) NOTIFY ALL OWNERS/USERS 48 HOURS PRIOR TO ANY UTILITY CHANGES OR INTERRUPTIONS IN SERVICE.
12) BACKFLOW PREVENTERS SHALL BE INSTALLED FOR ALL NEW SPRINKLER SYSTEMS. IF MODIFICATIONS ARE MADE TO AN EXISTING SPRINKLER SYSTEM WITHOUT A BACKFLOW PREVENTER CONTRACTOR SHALL INSTALL A NEW BACKFLOW PREVENTER. IF MODIFICATIONS ARE MADE TO AN EXISTING SPRINKLER SYSTEM WITH A BACKFLOW PREVENTER CONTRACTOR SHALL VERIFY THAT IT FUNCTIONS PROPERLY AND REPLACE IF NECESSARY.

QUALITY CONTROL TESTING NOTES

- 1) CONTRACTOR SHALL EMPLOY AN APPROVED AGENCY TO PROVIDE TESTING AND OBSERVATION FOR PLACEMENT OF UNTREATED BASE COURSE, SUBGRADE PREPARATION, PLACEMENT OF TRENCHING AND BACKFILL, PLACEMENT OF GRANULAR BORROW MATERIAL, AND ASPHALT FOR THE PROJECT IN ACCORDANCE WITH THE APPROPRIATE SECTIONS OF APWA MANUAL OF STANDARDS AND SPECIFICATIONS AS AMENDED BY LOGAN CITY.
2) CONTRACTOR SHALL EMPLOY AN AGENCY APPROVED BY UDOT TO PERFORM TESTING AND SAMPLING OF MATERIALS LOCATED WITHIN THE UDOT RIGHT OF WAY.
3) QUALITY CONTROL TESTING SHALL PROVIDE PROCTOR, GRADATION, AND CBR VALUES FOR UNTREATED BASE COURSE MATERIAL PROPOSED AS PART OF THIS PROJECT.
4) QUALITY CONTROL TESTING SHALL PROVIDE FIELD TESTING AND LAB SAMPLING OF ASPHALT COLLECTED IN THE FIELD.
5) FIELD TEST RESULTS SHALL BE IMMEDIATELY SUBMITTED TO THE

PROJECT MANAGER FOR THE CITY OF LOGAN, UDOT, THE DESIGNATED PUBLIC WORKS INSPECTOR FOR THE PROJECT, AND A COPY OF EACH REPORT KEPT ONSITE. EACH FAILED FIELD TEST AND ITS CORRESPONDING PASSING TEST SHALL BE CLEARLY IDENTIFIED IN EACH FIELD TEST REPORT.
6) LABORATORY TEST RESULTS SHALL BE SUBMITTED TO THE PROJECT MANAGER FOR THE CITY OF LOGAN AND UDOT WITHIN 48 HOURS OF DETERMINATION.
7) A FINAL SUMMARY REPORT, IN TABULAR FORM, SHALL BE SUBMITTED TO THE PROJECT MANAGER FOR THE CITY OF LOGAN AND UDOT PRIOR TO FINAL ACCEPTANCE OF THE PROJECT. THE FINAL SUMMARY REPORT SHALL INCLUDE TABULAR RESULTS SHOWING EACH FAILED TEST AND ITS CORRESPONDING PASSING TEST.

ABBREVIATIONS

Table with 6 columns: Abbreviation, Description, Abbreviation, Description, Abbreviation, Description. Includes terms like APPROX, ASTM, ANSI, APWA, AWWA, B, BLDG, BOW, C, C TO C, CB, CI, CJ, CL, CLR, CMP, CO, CONC, DI, DIM, E, EA, EG, EJ, EL, ELEV, EP, EW, EX, FG, FH, FL, FLG, FT, HDPE, HORIZ, HP, ID, IE, INV, IR, IRR, LT, L, LBS, L.F., LIN, LP, MAX, MEG, MIN, MJ, N, N/A, NIC, NO, NTS, OC, OD, PE, PG, PI, PSF, PSI, PUE, PVC, RCP, R, RT, RJ, S, SEC, STA, T, TB, TBA, TBC, TOA, TOW, TYP, UDOT, VERT, W, W/W, WWF, EDGE OF PAVEMENT, EACH WAY, EXISTING, FINISH GRADE, FIRE HYDRANT FLOWLINE, FLANGE, FEET, HIGH DENSITY POLYETHYLENE PIPE, HORIZONTAL, HIGH POINT, INSIDE DIAMETER, INVERT ELEVATION, INVERT, IRON ROD, IRRIGATION, LEFT, LENGTH, POUNDS, LINEAR FEET, LINEAR, LOW POINT, MAXIMUM, MATCH EXISTING GRADE, MINIMUM, MECHANICAL JOINT, NORTH, NOT APPLICABLE, NOT IN CONTACT, NUMBER, NOT TO SCALE, ON CENTER, OUTSIDE DIAMETER, PLAIN END, PAGE, POINT OF INTERSECTION, POUNDS PER FOOT, POUNDS PER SQUARE INCH, PUBLIC UTILITY EASEMENT, POLYVINYL CHLORIDE, REINFORCED CONCRETE PIPE, RADIUS, RIGHT, RESTRAINED JOINT, SOUTH, SECTION, SANITARY SEWER STATION, TOP, THRUST BLOCK, TO BE ABANDONED, TOP BACK CURB, TOP OF CONCRETE, TOP OF ASPHALT, TOP OF WALL, TYPICAL, UTAH DEPARTMENT OF TRANSPORTATION, VERTICAL, WATER, WEST, WITH, WELDED WIRE FABRIC.

LEGEND

Legend symbols and descriptions: Concrete Sidewalk, Asphalt Pavement, Grass Parkstrip, Decorative Rock Parkstrip, Street Light, Tree, Sawcut, Storm Drain, Ex Edge of Asphalt, Ex Culinary Water Line, Ex Sanitary Sewer Line, Ex Overhead Power Line, Ex Gas Line, Ex Underground Telecommunications, Asphalt / Concrete Removal, Ex Power Pole, Ex Telephone Pedestal, Ex Cable TV Pedestal, Ex Electrical Junction Box, Ex Fiber Optic Box, Ex Mailbox, Ex Water Meter, Ex Irrigation Junction Box, Ex Irrigation, Ex Gas Meter, Ex Storm Drain Inlet, Ex Water Valve, Ex Streetlight, Ex Sanitary Sewer Manhole, Ex Fire Hydrant, Ex Tree, Ex Sign.

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RECORD OF REVISIONS table with columns for revision number, description, and date.

IF THE ABOVE SCALE BAR DOES NOT MEASURE 1-INCH IN LENGTH, DO NOT USE THIS DRAWING FOR SCALING PURPOSES. DIMENSIONS AND MEASUREMENTS SPECIFIED IN THE DRAWING TAKE PRECEDENCE TO SCALED MEASUREMENTS. THE INFORMATION CONTAINED IN THIS DRAWING IS THE PROPERTY OF CRS ENGINEERS AND IS NOT TO BE REPRODUCED, MODIFIED OR USED FOR ANY OTHER PROJECT OR EXTENSION OF THIS PROJECT EXCEPT BY AGREEMENT WITH CRS ENGINEERS.

PRINCIPAL: D. EYRE
PROJECT MANAGER: M. COLLIER
CHECKED BY: M. COLLIER
DRAWN BY: T. BASS
DRAWING SCALE: NONE
ISSUE DATE: DECEMBER 21, 2018

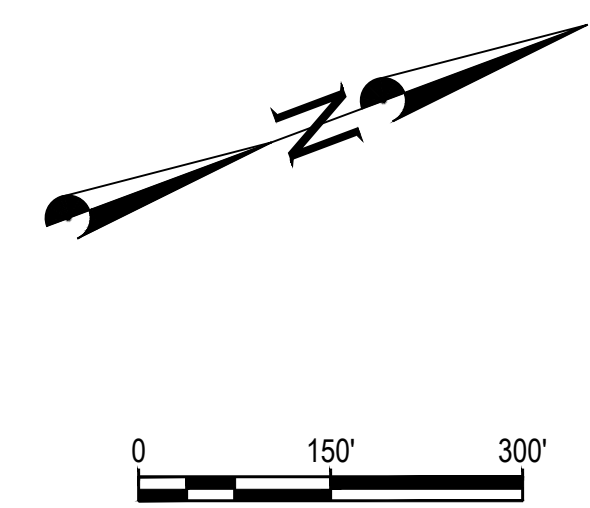
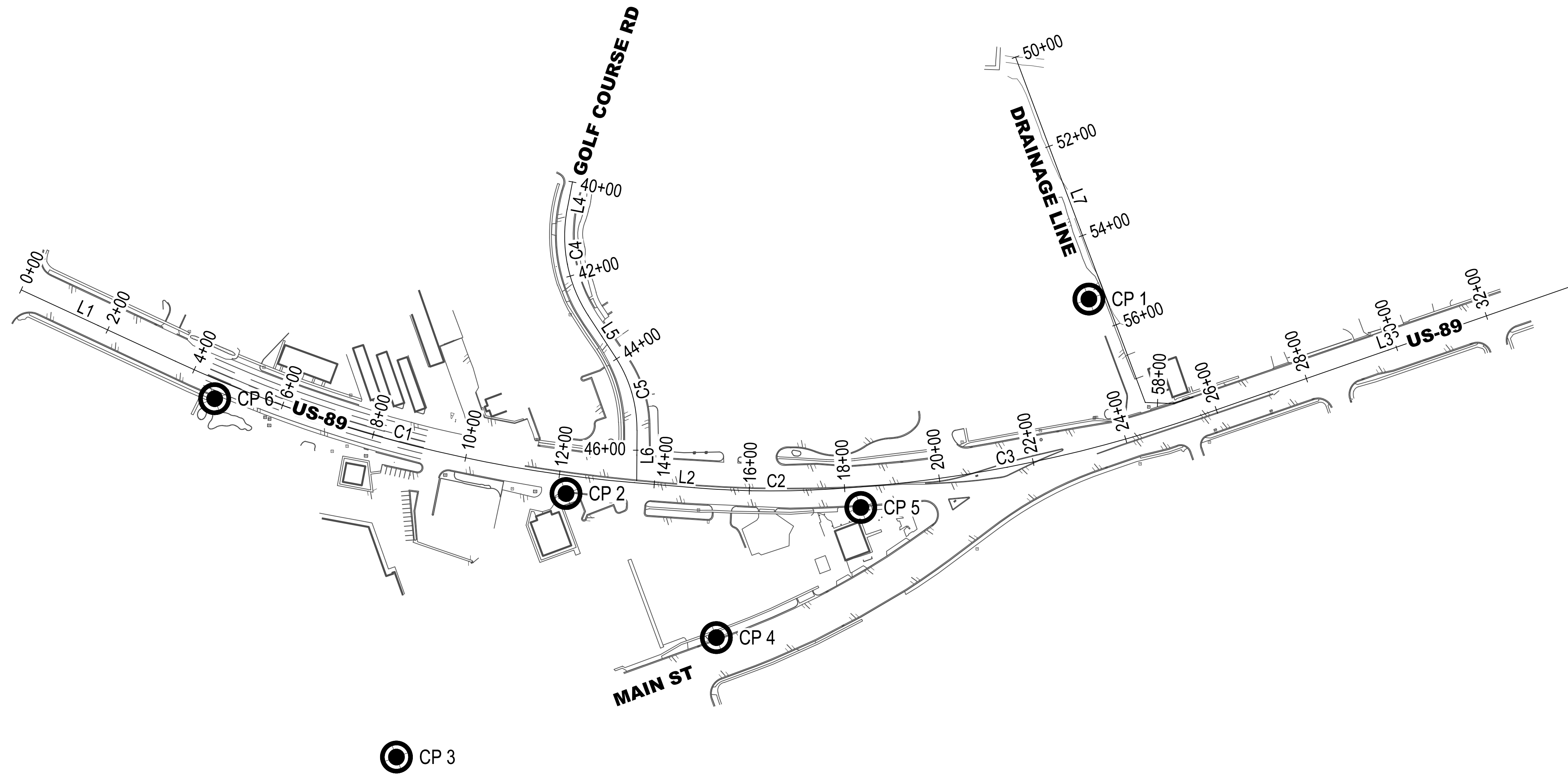
CRS CALDWELL RICHARDS SORENSEN ANSWERS TO INFRASTRUCTURE
FARMINGTON OFFICE: PO Box 280, 160 S MAIN, STE. 200, FARMINGTON, UTAH 84025, PHONE: 801-939-5565, FAX: 801-359-4272, www.crsengineers.com

LOGAN CITY SOUTH MAIN STREET SIDEWALK CONNECTION DESIGN
ABBREVIATIONS & LEGEND
LOGAN, UTAH SOUTH MAIN STREET

PROFESSIONAL ENGINEER LICENSE #4939451-22002 MATTHEW M. COLLIER 12/04/2018 STATE OF UTAH

PROJECT NUMBER: 16103F
SHEET: 2 OF 29
SHEET NUMBER: GS102

File Path: P:\161031\logansouthmainstreet\Drawings\Sheets\GENERAL SHEETS.dwg Dec 04, 2018 3:19pm



SURVEY CONTROL TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP 1	3785556.55	1548557.50	4503.89	LC364
CP 2	3784385.75	1548557.50	4502.03	LC369
CP 3	3783859.36	1548951.87	4502.96	LC377
CP 4	3784575.98	1548950.98	4503.13	LC442
CP 5	3784955.41	1548800.65	4505.09	CP GS
CP 6	3783764.16	1548113.75	4497.94	CP H/T

US-89					
NUMBER	LENGTH	RADIUS	LINE/CHORD DIRECTION	BEGIN N / E	END N / E
L1	356.865		N45° 14' 42.60"E	3783463.15 / 1547758.06	3783714.41 / 1548011.48
C1	1001.700	2864.900	N35° 13' 42.80"E	3783714.41 / 1548011.48	3784528.4978 / 1548586.36
L2	125.800		N25° 12' 43.00"E	3784528.50 / 1548586.36	3784642.31 / 1548639.95
C2	240.000	1910.080	N21° 36' 44.50"E	3784642.31 / 1548639.95	3784865.2944 / 1548728.29
C3	840.083	2864.930	N9° 36' 44.50"E	3784865.29 / 1548728.29	3785690.6183 / 1548868.06
L3	835.466		N1° 12' 43.00"E	3785690.62 / 1548868.06	3786525.90 / 1548885.73

GOLF COURSE RD					
NUMBER	LENGTH	RADIUS	LINE/CHORD DIRECTION	BEGIN N / E	END N / E
L4	58.038		S58° 47' 13.66"E	3784626.49 / 1547949.16	3784596.41 / 1547998.80
C4	233.259	304.184	S80° 45' 19.13"E	3784596.41 / 1547998.80	3784559.8477 / 1548223.43
L5	105.169		N77° 16' 35.40"E	3784559.85 / 1548223.43	3784583.01 / 1548326.01
C5	161.859	276.376	S85° 56' 45.11"E	3784583.01 / 1548326.01	3784571.7303 / 1548485.17
L6	105.153		S69° 10' 05.63"E	3784571.73 / 1548485.17	3784534.34 / 1548583.45

DRAINAGE LINE					
NUMBER	LENGTH	RADIUS	LINE/CHORD DIRECTION	BEGIN N / E	END N / E
L7	774.139		N89° 50' 01.00"E	3785589.42 / 1548027.90	3785591.67 / 1548802.04

NOTES

1. THE COORDINATE SYSTEM FOR THE PROJECT NAD83 UTAH STATE PLANE, NORTH ZONE, US FOOT. VERTICAL DATUM IS GEOID 03 (OPUS ADJUSTED).
2. CONTRACTOR SHALL PROTECT ALL EXISTING SURVEY MONUMENTS, SECTION CORNERS, QUARTER CORNERS & SURVEY CONTROL IN PLACE.

100%

NO.	DATE	DESCRIPTION

IF THE ABOVE SCALE BAR DOES NOT MEASURE 1-INCH IN LENGTH, DO NOT USE THIS DRAWING FOR SCALING PURPOSES. DIMENSIONS AND MEASUREMENTS SPECIFIED IN THE DRAWING TAKE PRECEDENCE TO SCALED MEASUREMENTS.

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PRINCIPAL
D. EYRE

PROJECT MANAGER
M. COLLIER

CHECKED BY
M. COLLIER

DRAWN BY
T. BASS

DRAWING SCALE
SEE SCALE BAR

ISSUE DATE
DECEMBER 21, 2018

CALDWELL RICHARDS SORENSEN

ANSWERS TO INFRASTRUCTURE

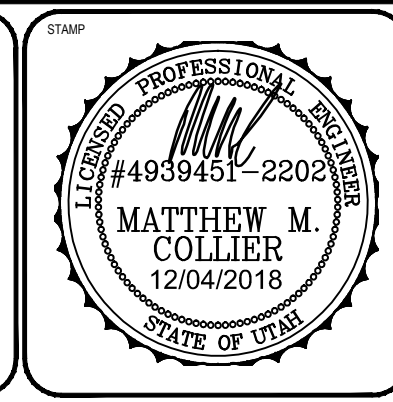
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LOGAN CITY
SOUTH MAIN STREET SIDEWALK CONNECTION DESIGN

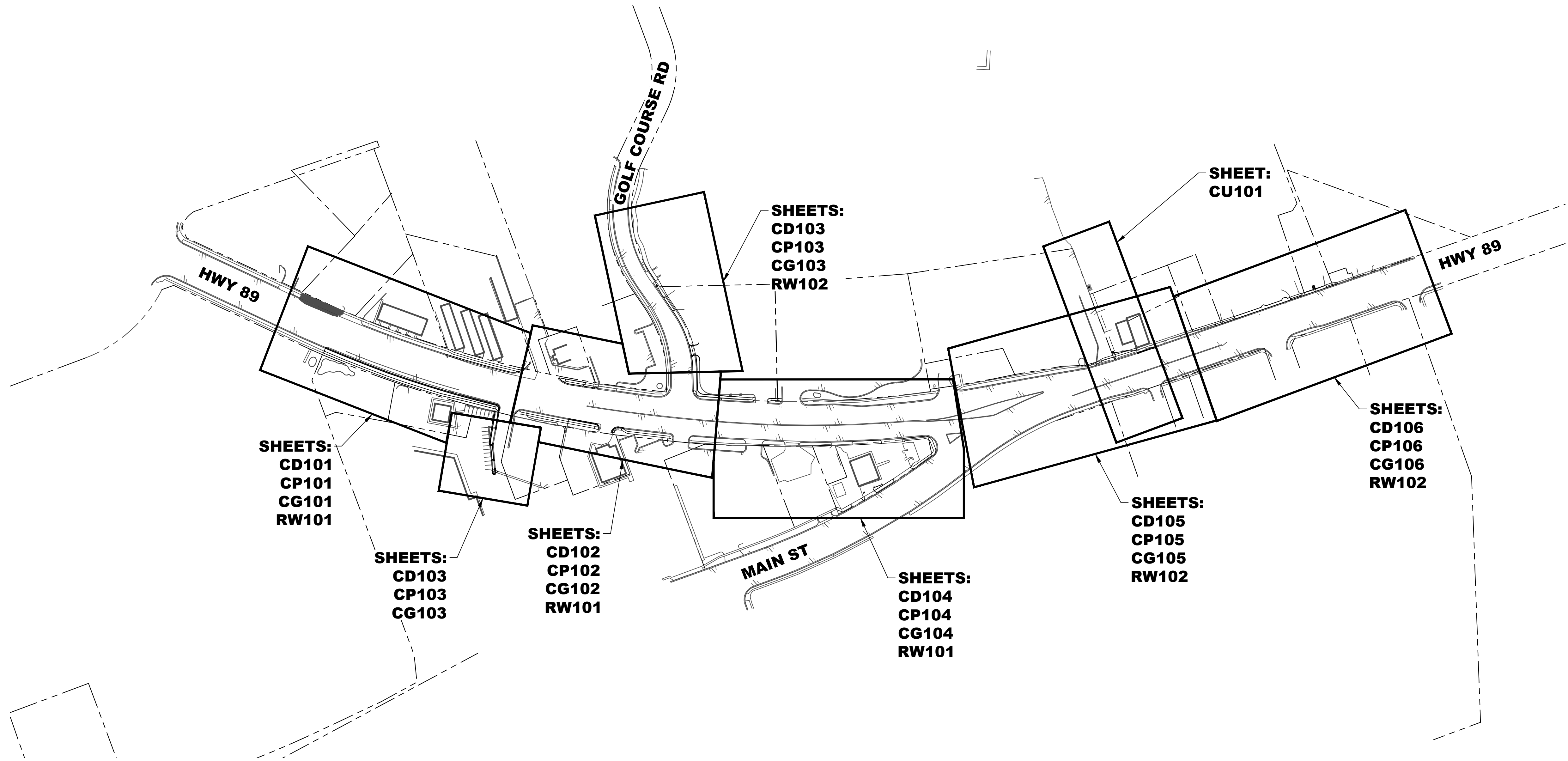
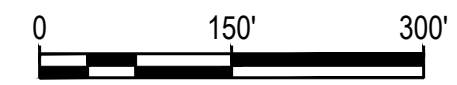
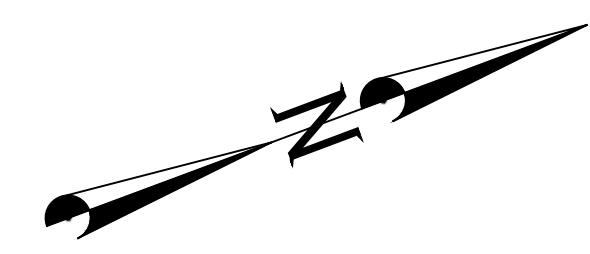
SURVEY CONTROL

LOGAN, UTAH

SOUTH MAIN STREET



PROJECT NUMBER 16103F	
SHEET 3	OF 29
SHEET NUMBER GS103	



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SEE SCALE BAR

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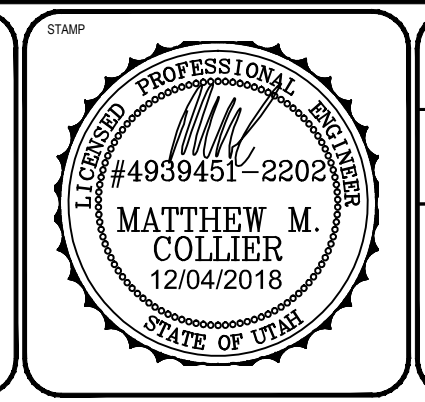
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SOUTH MAIN STREET SIDEWALK CONNECTION DESIGN

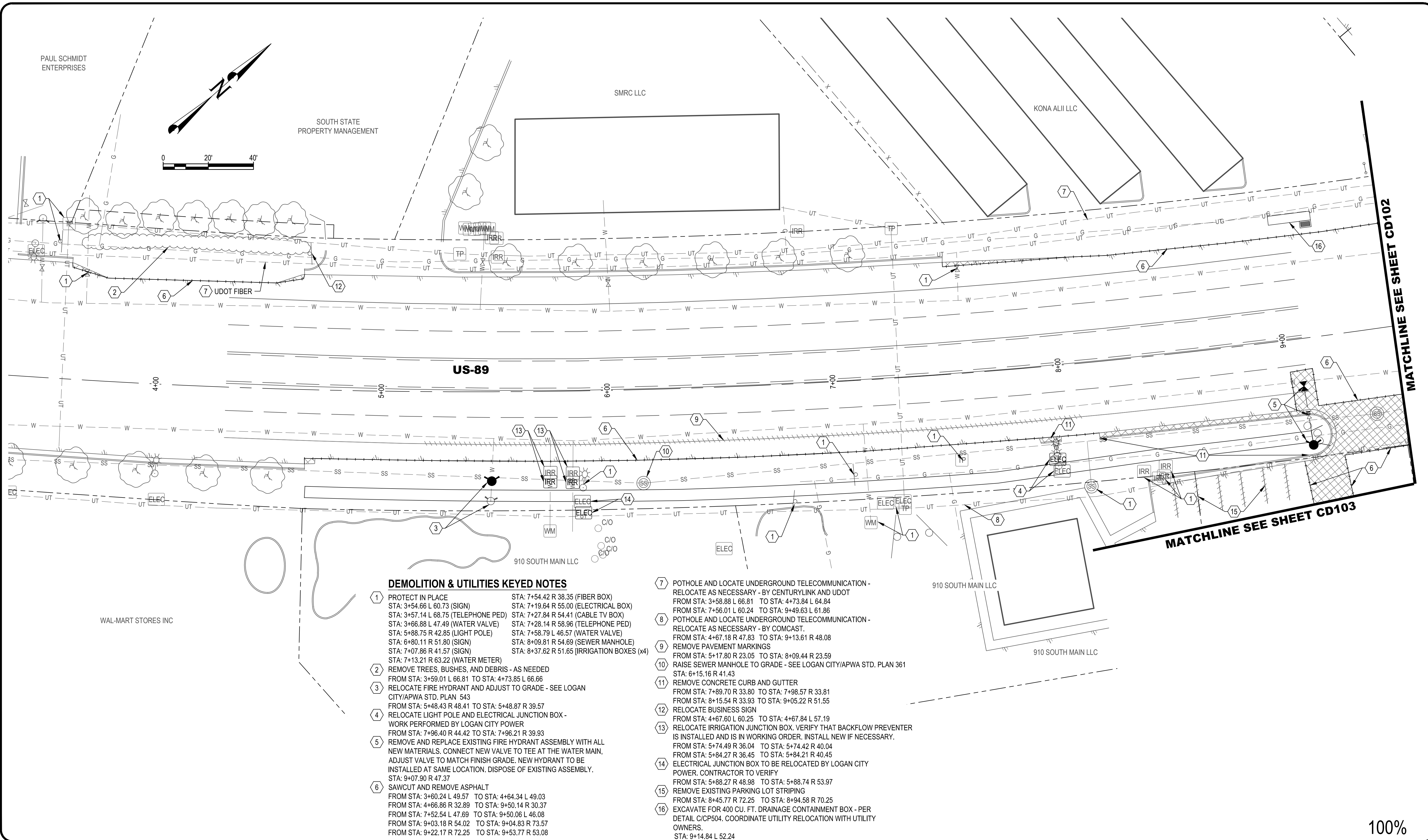
SHEET LAYOUT

LOGAN, UTAHSOUTH MAIN STREET



PROJECT NUMBER 16103F	
SHEET 4	OF 29
SHEET NUMBER GS104	

File Path: P:\161031\logans city- south main street sidewalk\Drawings\Sheets\DEMO AND PAVING.dwg Dec-04-2018 - 3:21pm



DEMOLITION & UTILITIES KEYED NOTES

- 1 PROTECT IN PLACE
 STA: 3+54.66 L 60.73 (SIGN)
 STA: 3+57.14 L 68.75 (TELEPHONE PED)
 STA: 3+66.88 L 47.49 (WATER VALVE)
 STA: 5+88.75 R 42.85 (LIGHT POLE)
 STA: 6+80.11 R 51.80 (SIGN)
 STA: 7+07.86 R 41.57 (SIGN)
 STA: 7+13.21 R 63.22 (WATER METER)
- 2 REMOVE TREES, BUSHES, AND DEBRIS - AS NEEDED
 FROM STA: 3+59.01 L 66.81 TO STA: 4+73.85 L 66.66
- 3 RELOCATE FIRE HYDRANT AND ADJUST TO GRADE - SEE LOGAN CITY/APWA STD. PLAN 543
 FROM STA: 5+48.43 R 48.41 TO STA: 5+48.87 R 39.57
- 4 RELOCATE LIGHT POLE AND ELECTRICAL JUNCTION BOX - WORK PERFORMED BY LOGAN CITY POWER
 FROM STA: 7+96.40 R 44.42 TO STA: 7+96.21 R 39.93
- 5 REMOVE AND REPLACE EXISTING FIRE HYDRANT ASSEMBLY WITH ALL NEW MATERIALS. CONNECT NEW VALVE TO TEE AT THE WATER MAIN, ADJUST VALVE TO MATCH FINISH GRADE. NEW HYDRANT TO BE INSTALLED AT SAME LOCATION. DISPOSE OF EXISTING ASSEMBLY.
 STA: 9+07.90 R 47.37
- 6 SAWCUT AND REMOVE ASPHALT
 FROM STA: 3+60.24 L 49.57 TO STA: 4+64.34 L 49.03
 FROM STA: 4+66.86 R 32.89 TO STA: 9+50.14 R 30.37
 FROM STA: 7+52.54 L 47.69 TO STA: 9+50.06 L 46.08
 FROM STA: 9+03.18 R 54.02 TO STA: 9+04.83 R 73.57
 FROM STA: 9+22.17 R 72.25 TO STA: 9+53.77 R 53.08
- 7 POTHOLE AND LOCATE UNDERGROUND TELECOMMUNICATION - RELOCATE AS NECESSARY - BY CENTURYLINK AND UDOT
 FROM STA: 3+58.88 L 66.81 TO STA: 4+73.84 L 64.84
 FROM STA: 7+56.01 L 60.24 TO STA: 9+49.63 L 61.86
- 8 POTHOLE AND LOCATE UNDERGROUND TELECOMMUNICATION - RELOCATE AS NECESSARY - BY COMCAST.
 FROM STA: 4+67.18 R 47.83 TO STA: 9+13.61 R 48.08
- 9 REMOVE PAVEMENT MARKINGS
 FROM STA: 5+17.80 R 23.05 TO STA: 8+09.44 R 23.59
 STA: 6+15.16 R 41.43
- 10 RAISE SEWER MANHOLE TO GRADE - SEE LOGAN CITY/APWA STD. PLAN 361
 STA: 6+15.16 R 41.43
- 11 REMOVE CONCRETE CURB AND GUTTER
 FROM STA: 7+89.70 R 33.80 TO STA: 7+98.57 R 33.81
 FROM STA: 8+15.54 R 33.93 TO STA: 9+05.22 R 51.55
- 12 RELOCATE BUSINESS SIGN
 FROM STA: 4+67.60 L 60.25 TO STA: 4+67.84 L 57.19
- 13 RELOCATE IRRIGATION JUNCTION BOX. VERIFY THAT BACKFLOW PREVENTER IS INSTALLED AND IS IN WORKING ORDER. INSTALL NEW IF NECESSARY.
 FROM STA: 5+74.49 R 36.04 TO STA: 5+74.42 R 40.04
 FROM STA: 5+84.27 R 36.45 TO STA: 5+84.21 R 40.45
- 14 ELECTRICAL JUNCTION BOX TO BE RELOCATED BY LOGAN CITY POWER. CONTRACTOR TO VERIFY
 FROM STA: 5+88.27 R 48.98 TO STA: 5+88.74 R 53.97
- 15 REMOVE EXISTING PARKING LOT STRIPING
 FROM STA: 8+45.77 R 72.25 TO STA: 8+94.58 R 70.25
- 16 EXCAVATE FOR 400 CU. FT. DRAINAGE CONTAINMENT BOX - PER DETAIL C/CP504. COORDINATE UTILITY RELOCATION WITH UTILITY OWNERS.
 STA: 9+14.84 L 52.24

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PRINCIPAL
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PROJECT MANAGER
M. COLLIER

CHECKED BY
M. COLLIER

DRAWN BY
T. BASS

DRAWING SCALE
SEE SCALE BAR

ISSUE DATE
DECEMBER 21, 2018

CRS CALDWELL RICHARDS SORENSEN
ANSWERS TO INFRASTRUCTURE

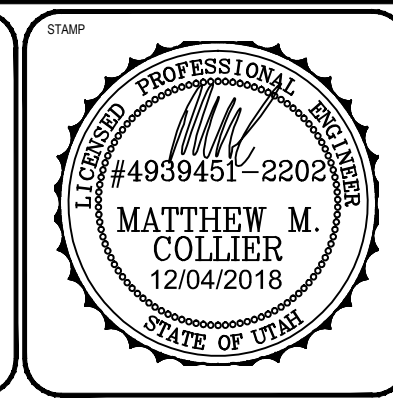
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LOGAN CITY
SOUTH MAIN STREET SIDEWALK CONNECTION DESIGN

CIVIL DEMOLITION & UTILITIES PLAN

LOGAN, UTAH

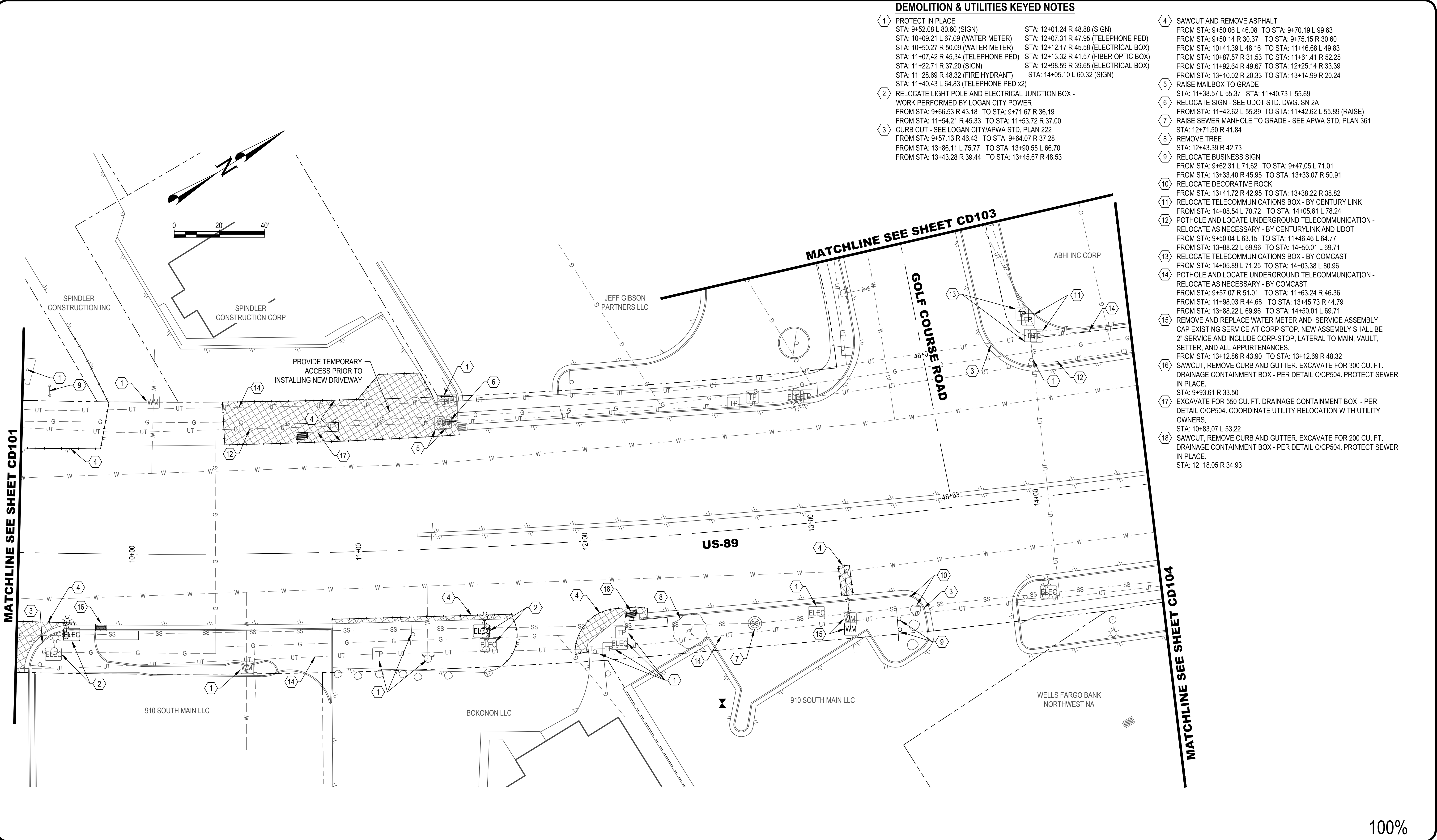
SOUTH MAIN STREET



PROJECT NUMBER 16103F	
SHEET 5	OF 29
SHEET NUMBER CD101	

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DEMOLITION & UTILITIES KEYED NOTES

- 1 PROTECT IN PLACE
 STA: 9+52.08 L 80.60 (SIGN) STA: 12+01.24 R 48.88 (SIGN)
 STA: 10+09.21 L 67.09 (WATER METER) STA: 12+07.31 R 47.95 (TELEPHONE PED)
 STA: 10+50.27 R 50.09 (WATER METER) STA: 12+12.17 R 45.58 (ELECTRICAL BOX)
 STA: 11+07.42 R 45.34 (TELEPHONE PED) STA: 12+13.32 R 41.57 (FIBER OPTIC BOX)
 STA: 11+22.71 R 37.20 (SIGN) STA: 12+98.59 R 39.65 (ELECTRICAL BOX)
 STA: 11+28.69 R 48.32 (FIRE HYDRANT) STA: 14+05.10 L 60.32 (SIGN)
 STA: 11+40.43 L 64.83 (TELEPHONE PED x2)
- 2 RELOCATE LIGHT POLE AND ELECTRICAL JUNCTION BOX -
 WORK PERFORMED BY LOGAN CITY POWER
 FROM STA: 9+66.53 R 43.18 TO STA: 9+71.67 R 36.19
 FROM STA: 11+54.21 R 45.33 TO STA: 11+53.72 R 37.00
- 3 CURB CUT - SEE LOGAN CITY/APWA STD. PLAN 222
 FROM STA: 9+57.13 R 46.43 TO STA: 9+64.07 R 37.28
 FROM STA: 13+86.11 L 75.77 TO STA: 13+90.55 L 66.70
 FROM STA: 13+43.28 R 39.44 TO STA: 13+45.67 R 48.53
- 4 SAWCUT AND REMOVE ASPHALT
 FROM STA: 9+50.06 L 46.08 TO STA: 9+70.19 L 99.63
 FROM STA: 9+50.14 R 30.37 TO STA: 9+75.15 R 30.60
 FROM STA: 10+41.39 L 48.16 TO STA: 11+46.68 L 49.83
 FROM STA: 10+87.57 R 31.53 TO STA: 11+61.41 R 52.25
 FROM STA: 11+92.64 R 49.67 TO STA: 12+25.14 R 33.39
 FROM STA: 13+10.02 R 20.33 TO STA: 13+14.99 R 20.24
- 5 RAISE MAILBOX TO GRADE
 STA: 11+38.57 L 55.37 STA: 11+40.73 L 55.69
- 6 RELOCATE SIGN - SEE UDOT STD. DWG. SN 2A
 FROM STA: 11+42.62 L 55.89 TO STA: 11+42.62 L 55.89 (RAISE)
- 7 RAISE SEWER MANHOLE TO GRADE - SEE APWA STD. PLAN 361
 STA: 12+71.50 R 41.84
- 8 REMOVE TREE
 STA: 12+43.39 R 42.73
- 9 RELOCATE BUSINESS SIGN
 FROM STA: 9+62.31 L 71.62 TO STA: 9+47.05 L 71.01
 FROM STA: 13+33.40 R 45.95 TO STA: 13+33.07 R 50.91
- 10 RELOCATE DECORATIVE ROCK
 FROM STA: 13+41.72 R 42.95 TO STA: 13+38.22 R 38.82
- 11 RELOCATE TELECOMMUNICATIONS BOX - BY CENTURY LINK
 FROM STA: 14+08.54 L 70.72 TO STA: 14+05.61 L 78.24
- 12 POTHOLE AND LOCATE UNDERGROUND TELECOMMUNICATION -
 RELOCATE AS NECESSARY - BY CENTURYLINK AND UDOT
 FROM STA: 9+50.04 L 63.15 TO STA: 11+46.46 L 64.77
 FROM STA: 13+88.22 L 69.96 TO STA: 14+50.01 L 69.71
- 13 RELOCATE TELECOMMUNICATIONS BOX - BY COMCAST
 FROM STA: 14+05.89 L 71.25 TO STA: 14+03.38 L 80.96
- 14 POTHOLE AND LOCATE UNDERGROUND TELECOMMUNICATION -
 RELOCATE AS NECESSARY - BY COMCAST.
 FROM STA: 9+57.07 R 51.01 TO STA: 11+63.24 R 46.36
 FROM STA: 11+98.03 R 44.68 TO STA: 13+45.73 R 44.79
 FROM STA: 13+88.22 L 69.96 TO STA: 14+50.01 L 69.71
- 15 REMOVE AND REPLACE WATER METER AND SERVICE ASSEMBLY.
 CAP EXISTING SERVICE AT CORP-STOP. NEW ASSEMBLY SHALL BE
 2" SERVICE AND INCLUDE CORP-STOP, LATERAL TO MAIN, VAULT,
 SETTER, AND ALL APPURTENANCES.
 FROM STA: 13+12.86 R 43.90 TO STA: 13+12.69 R 48.32
- 16 SAWCUT, REMOVE CURB AND GUTTER. EXCAVATE FOR 300 CU. FT.
 DRAINAGE CONTAINMENT BOX - PER DETAIL C/CP504. PROTECT SEWER
 IN PLACE.
 STA: 9+93.61 R 33.50
- 17 EXCAVATE FOR 550 CU. FT. DRAINAGE CONTAINMENT BOX - PER
 DETAIL C/CP504. COORDINATE UTILITY RELOCATION WITH UTILITY
 OWNERS.
 STA: 10+83.07 L 53.22
- 18 SAWCUT, REMOVE CURB AND GUTTER. EXCAVATE FOR 200 CU. FT.
 DRAINAGE CONTAINMENT BOX - PER DETAIL C/CP504. PROTECT SEWER
 IN PLACE.
 STA: 12+18.05 R 34.93

MATCHLINE SEE SHEET CD101

MATCHLINE SEE SHEET CD103

MATCHLINE SEE SHEET CD104

100%

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PROJECT MANAGER
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DRAWN BY
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SEE SCALE BAR

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FARMINGTON OFFICE:

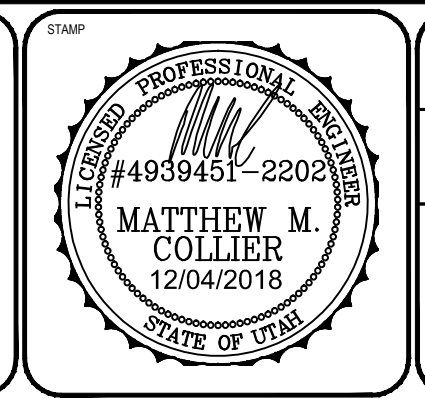
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LOGAN CITY

SOUTH MAIN STREET SIDEWALK CONNECTION DESIGN

CIVIL DEMOLITION & UTILITIES PLAN

LOGAN, UTAH

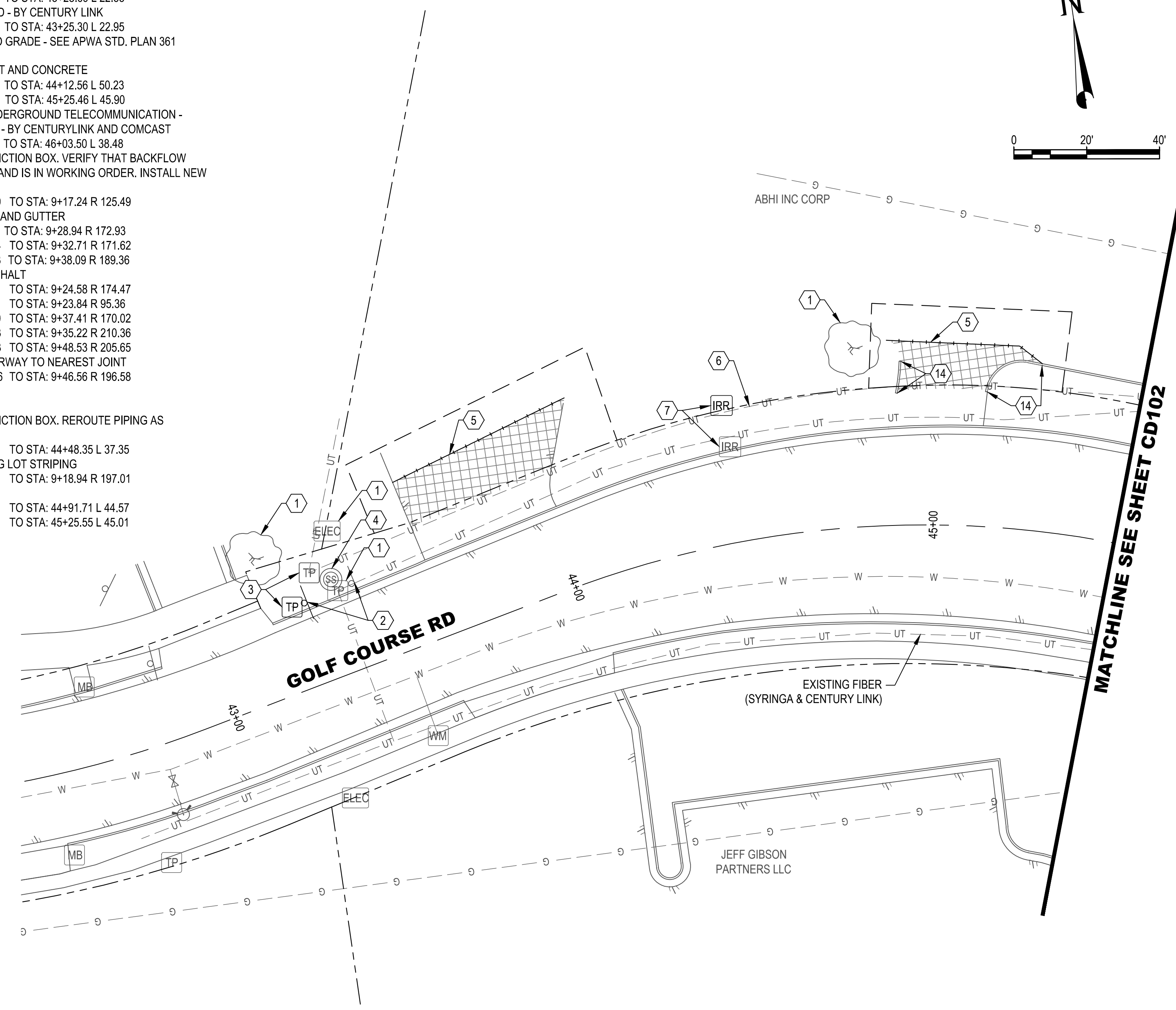
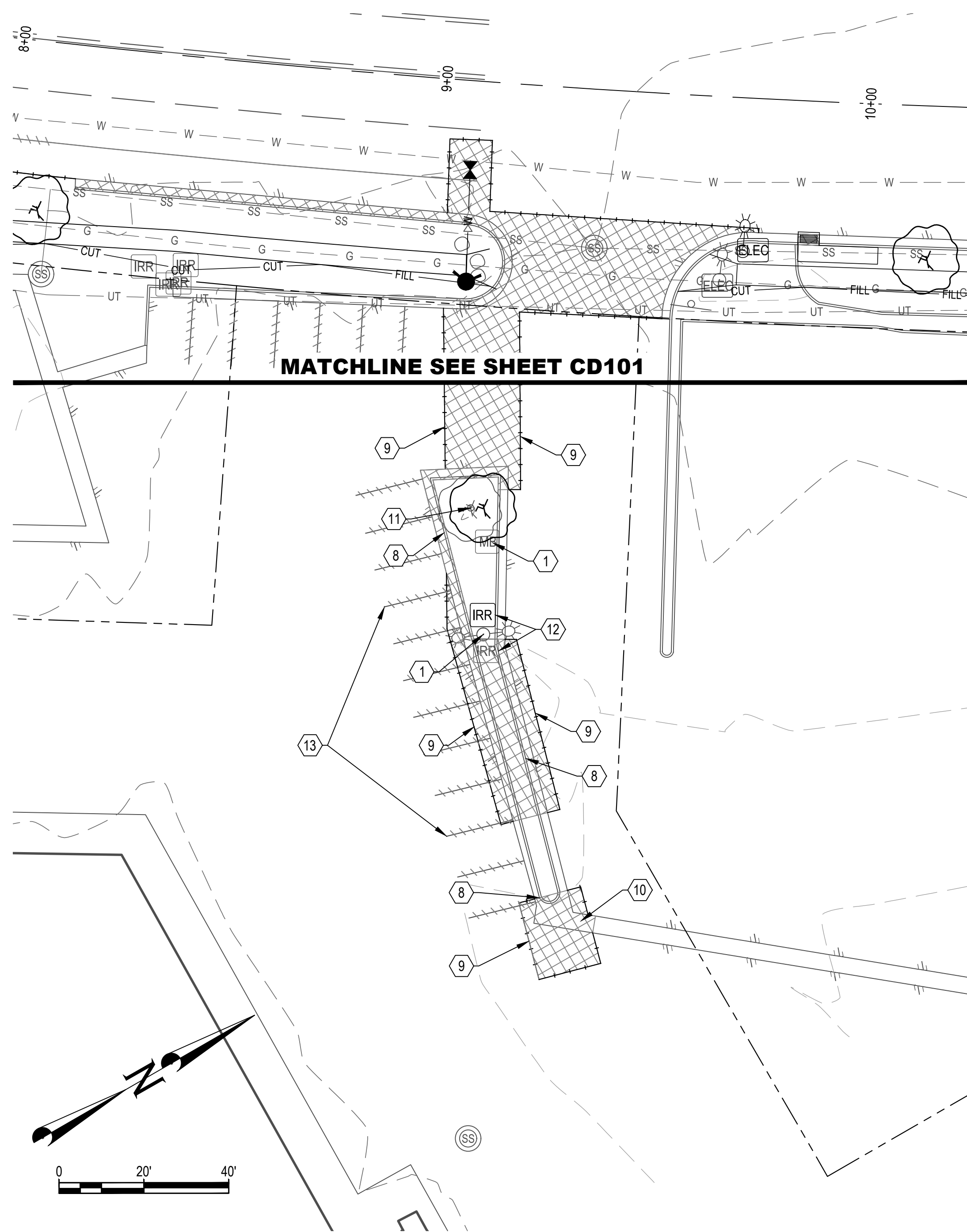


PROJECT NUMBER	16103F
SHEET	6
OF	29
SHEET NUMBER	CD102

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DEMOLITION & UTILITIES KEYED NOTES

- ① PROTECT IN PLACE
STA: 9+17.69 R 130.07 (LIGHT POLE) STA: 43+41.60 L 38.33 (ELECTRICAL BOX)
STA: 9+17.20 R 108.30 (MAIL BOX) STA: 44+80.97 L 49.00 (TREE)
STA: 43+20.05 L 39.11 (TREE)
STA: 43+38.99 L 22.69 (TELEPHONE PED)
- ② RELOCATE SIGN - SEE UDOT STD. DWG. SN 9A
FROM STA: 43+42.74 L 22.98 TO STA: 43+28.69 L 22.55
- ③ RELOCATE TELEPHONE PED - BY CENTURY LINK
FROM STA: 43+32.61 L 30.01 TO STA: 43+25.30 L 22.95
- ④ RAISE SEWER MANHOLE TO GRADE - SEE APWA STD. PLAN 361
STA: 43+37.84 L 26.05
- ⑤ SAWCUT, REMOVE ASPHALT AND CONCRETE
FROM STA: 43+63.19 L 44.88 TO STA: 44+12.56 L 50.23
FROM STA: 44+88.83 L 50.85 TO STA: 45+25.46 L 45.90
- ⑥ POT HOLE AND LOCATE UNDERGROUND TELECOMMUNICATION -
RELOCATE AS NECESSARY - BY CENTURYLINK AND COMCAST
FROM STA: 43+16.93 L 29.68 TO STA: 46+03.50 L 38.48
- ⑦ RELOCATE IRRIGATION JUNCTION BOX. VERIFY THAT BACKFLOW
PREVENTER IS INSTALLED AND IS IN WORKING ORDER. INSTALL NEW
IF NECESSARY.
FROM STA: 9+18.60 R 133.89 TO STA: 9+17.24 R 125.49
- ⑧ REMOVE CONCRETE CURB AND GUTTER
FROM STA: 9+18.73 R 95.76 TO STA: 9+28.94 R 172.93
FROM STA: 9+20.37 R 130.94 TO STA: 9+32.71 R 171.62
FROM STA: 9+34.60 R 190.93 TO STA: 9+38.09 R 189.36
- ⑨ SAWCUT AND REMOVE ASPHALT
FROM STA: 9+04.83 R 73.57 TO STA: 9+24.58 R 174.47
FROM STA: 9+22.17 R 72.25 TO STA: 9+23.84 R 95.36
FROM STA: 9+25.22 R 130.70 TO STA: 9+37.41 R 170.02
FROM STA: 9+29.70 R 192.63 TO STA: 9+35.22 R 210.36
FROM STA: 9+43.08 R 187.93 TO STA: 9+48.53 R 205.65
- ⑩ REMOVE CONCRETE WATERWAY TO NEAREST JOINT
FROM STA: 9+33.37 R 195.26 TO STA: 9+46.56 R 196.58
- ⑪ REMOVE TREE
STA: 9+12.81 R 100.51
- ⑫ RELOCATE IRRIGATION JUNCTION BOX. REROUTE PIPING AS
NECESSARY.
FROM STA: 44+48.59 L 25.78 TO STA: 44+48.35 L 37.35
FROM STA: 8+86.55 R 99.63 TO STA: 9+18.94 R 197.01
- ⑬ REMOVE EXISTING PARKING LOT STRIPING
FROM STA: 44+90.66 L 35.96 TO STA: 44+91.71 L 44.57
FROM STA: 45+12.96 L 36.61 TO STA: 45+25.55 L 45.01
- ⑭ REMOVE CONCRETE CURB



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SEE SCALE BAR

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FAX: 801 . 359 . 4272

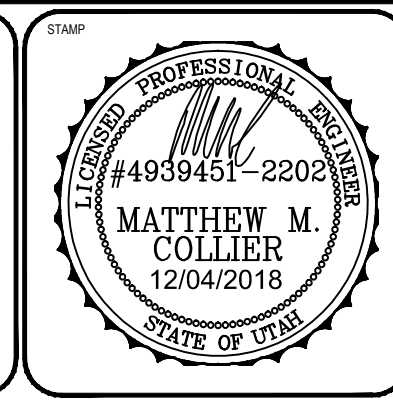
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LOGAN CITY

SOUTH MAIN STREET SIDEWALK CONNECTION DESIGN

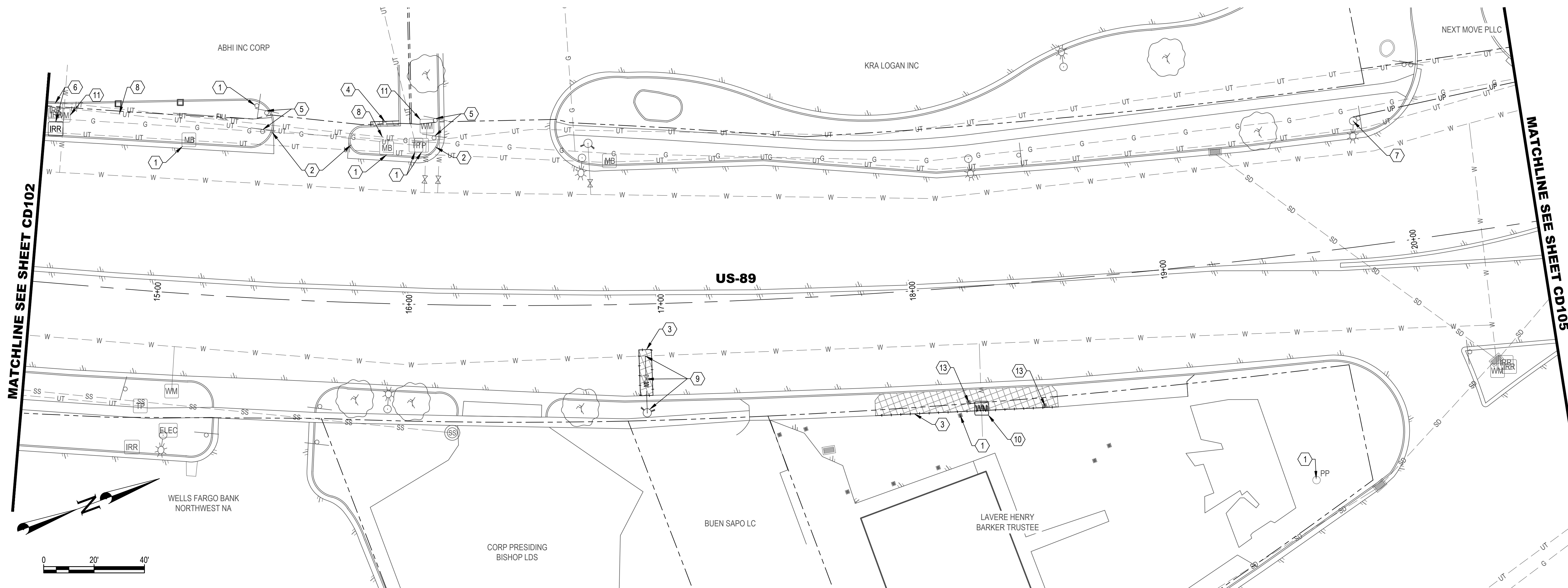
CIVIL DEMOLITION & UTILITIES PLAN

LOGAN, UTAH



PROJECT NUMBER	16103F
SHEET	7 OF 29
SHEET NUMBER	CD103

File Path: P:\161031\logan-city-south-main-street-sidewalk\Drawings\Sheets\DEMIL AND PAVING.dwg Dec-04-2018 - 3:24pm



DEMOLITION & UTILITIES KEYED NOTES

- 1 PROTECT IN PLACE
STA: 15+09.05 L 61.10 (MAILBOX) STA: 17+43.09 R 193.59 (ELECTRICAL BOX)
STA: 15+33.98 L 76.39 (SIGN) STA: 18+45.67 R 152.08 (PROPANE TANK)
STA: 15+89.32 L 61.80 (MAILBOX) STA: 18+15.35 R 50.60 (SAMPLING WELL)
STA: 16+02.66 L 63.17 (TELEPHONE PED X2) STA: 19+50.30 R 89.81 (POWER POLE)
- 2 CURB CUT - SEE APWA STD. PLAN 222
FROM STA: 15+39.58 L 62.97 TO STA: 15+41.58 L 71.98
FROM STA: 15+74.71 L 62.50 TO STA: 15+78.79 L 69.71
FROM STA: 16+09.47 L 62.62 TO STA: 16+10.38 L 71.60
- 3 SAWCUT AND REMOVE ASPHALT
FROM STA: 16+90.83 R 18.16 TO STA: 16+95.78 R 18.11
FROM STA: 17+82.37 R 48.45 TO STA: 18+53.76 R 50.33
FROM STA: 17+98.81 R 165.42 TO STA: 18+05.16 R 163.44
FROM STA: 18+25.01 R 158.04 TO STA: 18+75.24 R 139.20
- 4 SAWCUT, REMOVE ASPHALT AND CONCRETE
FROM STA: 15+82.58 L 70.44 TO STA: 15+94.10 L 70.61
- 5 RELOCATE SIGN - SEE UDOT STD. DWG. SN 7A
FROM STA: 15+38.16 L 66.16 TO STA: 15+39.42 L 73.62
FROM STA: 16+08.74 L 66.21 TO STA: 16+09.07 L 73.12
FROM STA: 17+48.81 R 207.72 TO STA: 17+40.62 R 211.85
- 6 RELOCATE BACKFLOW PREVENTER - SEE APWA STD. 593 (LOGAN CITY)
VERIFY THAT BACKFLOW PREVENTER IS IN WORKING ORDER. INSTALL NEW IF NECESSARY.
FROM STA: 14+54.16 L 66.73 TO STA: 14+54.36 L 61.07
- 7 REMOVE LIGHT POLE - WORK PERFORMED BY LOGAN CITY POWER
STA: 19+82.43 L 49.73
- 8 POT HOLE AND LOCATE UNDERGROUND TELECOMMUNICATION - RELOCATE AS NECESSARY - BY CENTURYLINK, UDOT AND COMCAST
FROM STA: 15+74.86 L 66.94 TO STA: 16+10.49 L 65.53
FROM STA: 14+49.45 L 69.47 TO STA: 15+42.04 L 68.87
- 9 REMOVE AND REPLACE EXISTING FIRE HYDRANT ASSEMBLY WITH ALL NEW MATERIALS. CONNECT NEW VALVE TO TEE AT THE WATER MAIN. ADJUST VALVE LID TO MATCH FINISH GRADE. NEW HYDRANT TO BE INSTALLED AT SAME LOCATION AS EXISTING. DISPOSE OF EXISTING ASSEMBLY.
STA: 16+93.55 R 43.21
- 10 ADJUST METER LID AS NECESSARY TO BE FLUSH WITH SIDEWALK FINISH GRADE. REPLACE SETTER AND ALL APPURTENANCES INSIDE METER BOX. METER BOX TO REMAIN.
STA: 18+23.81 R 48.17
- 11 PROTECT WATER METER IN PLACE. ADJUST LID TO MATCH FINISH GRADE OF SIDEWALK. POUR SIDEWALK AROUND METER BOX AS NECESSARY.
STA: 14+56.88 L 66.68 STA: 16+05.70 L 70.83
- 12 POT HOLE AND LOCATE EXISTING 12" PVC SD PIPE
FROM STA: 17+51.78 R 213.60 TO STA: 17+46.38 R 201.41
- 13 REMOVE EXISTING SAMPLING WELL. CUT AND REMOVE VALVE. SALVAGE TO OWNER. CAP EXISTING HORIZONTAL PIPES. FILL ANY VERTICAL PIPES WITH BENTONITE.
STA: 18+19.04 R 45.74 STA: 18+48.57 R 49.39

INSTALL 2' X 2' CONCRETE CATCH BASIN PER DETAIL A/CP504
RIM: 4504.94'
SUMP: 4499.1'±
IE (OUT-S): 4499.6'±

12" CMP 66.4' LF @ 0.50%
PER DETAIL B/CP504

CUT EX. 12" PVC SD PIPE.
INSTALL 2' X 2' CONCRETE CATCH BASIN PER DETAIL A/CP504.
RIM: 4505.18'
SUMP: 4498.5'±
IE (OUT-E): 4499.0'±
IE (IN-W): 4499.0'±
IE (IN-N): 4499.3'±

100%

NO.	DESCRIPTION	DATE

IF THE ABOVE SCALE BAR DOES NOT MEASURE 1-INCH IN LENGTH, DO NOT USE THIS DRAWING FOR SCALING PURPOSES. DIMENSIONS AND MEASUREMENTS SPECIFIED IN THE DRAWING TAKE PRECEDENCE TO SCALED MEASUREMENTS.

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PRINCIPAL
D. EYRE

PROJECT MANAGER
M. COLLIER

CHECKED BY
M. COLLIER

DRAWN BY
T. BASS

DRAWING SCALE
SEE SCALE BAR

ISSUE DATE
DECEMBER 21, 2018

CRS CALDWELL RICHARDS SORENSEN
ANSWERS TO INFRASTRUCTURE

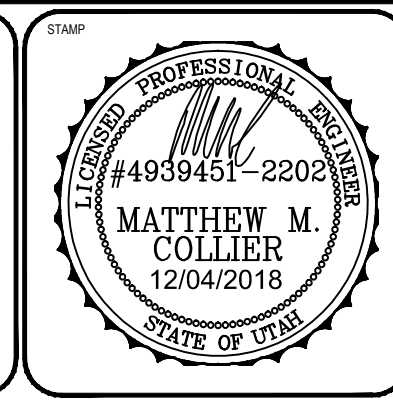
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LOGAN CITY
SOUTH MAIN STREET SIDEWALK CONNECTION DESIGN

CIVIL DEMOLITION & UTILITIES PLAN

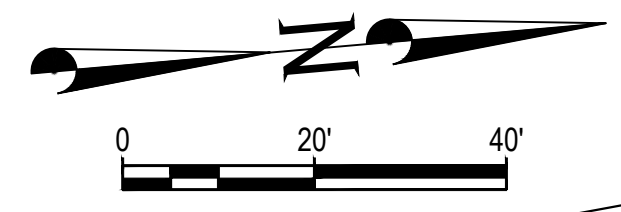
LOGAN, UTAH

SOUTH MAIN STREET



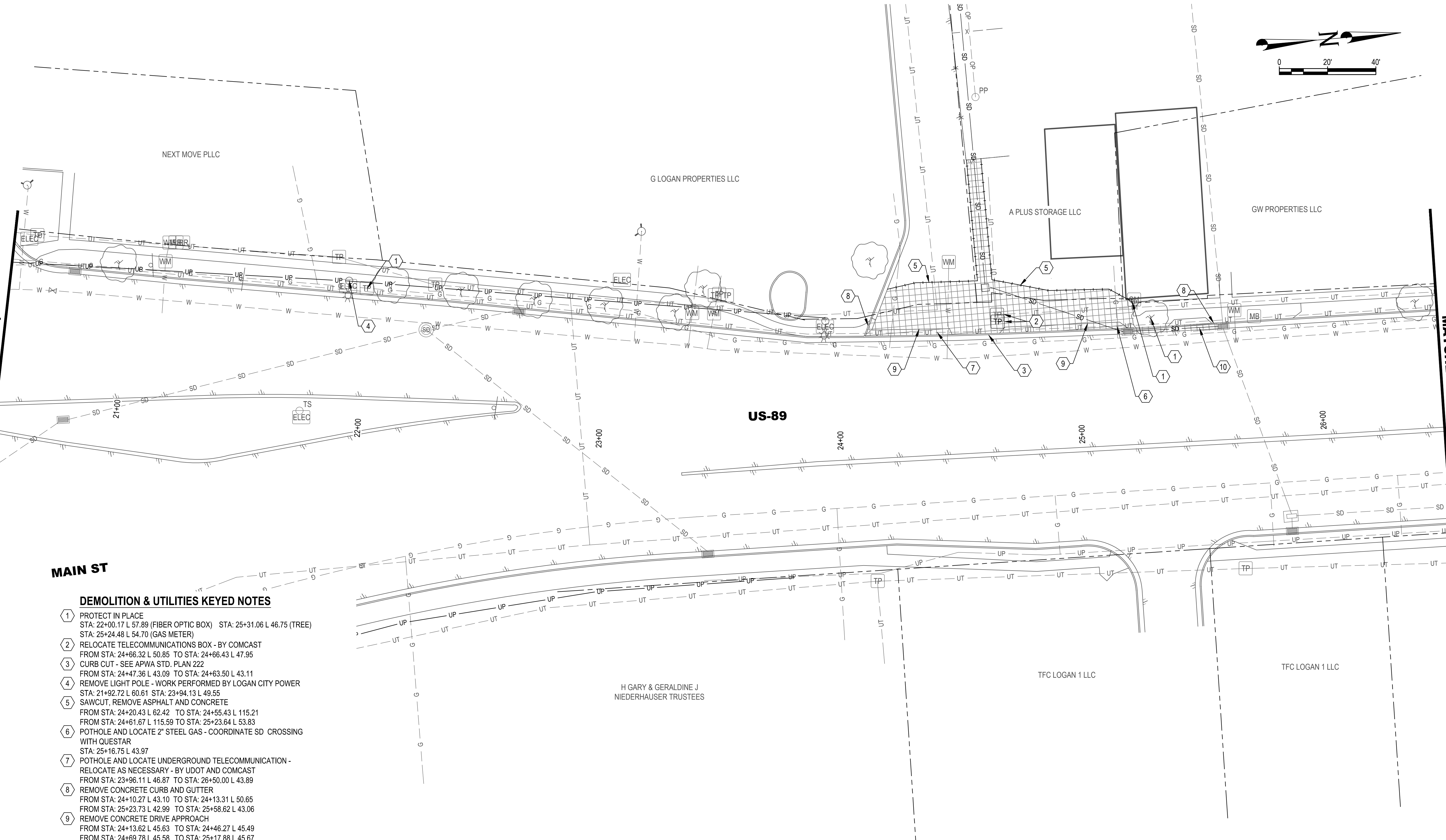
PROJECT NUMBER 16103F	SHEET 8	OF 29
SHEET NUMBER CD104		

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MATCHLINE SEE SHEET CD104

MATCHLINE SEE SHEET CD106



MAIN ST

DEMOLITION & UTILITIES KEYED NOTES

- 1 PROTECT IN PLACE
STA: 22+00.17 L 57.89 (FIBER OPTIC BOX) STA: 25+31.06 L 46.75 (TREE)
STA: 25+24.48 L 54.70 (GAS METER)
- 2 RELOCATE TELECOMMUNICATIONS BOX - BY COMCAST
FROM STA: 24+66.32 L 50.85 TO STA: 24+66.43 L 47.95
- 3 CURB CUT - SEE APWA STD. PLAN 222
FROM STA: 24+47.36 L 43.09 TO STA: 24+63.50 L 43.11
- 4 REMOVE LIGHT POLE - WORK PERFORMED BY LOGAN CITY POWER
STA: 21+92.72 L 60.61 STA: 23+94.13 L 49.55
- 5 SAWCUT, REMOVE ASPHALT AND CONCRETE
FROM STA: 24+20.43 L 62.42 TO STA: 24+55.43 L 115.21
FROM STA: 24+61.67 L 115.59 TO STA: 25+23.64 L 53.83
- 6 POTHOLE AND LOCATE 2" STEEL GAS - COORDINATE SD CROSSING
WITH QUESTAR
STA: 25+16.75 L 43.97
- 7 POTHOLE AND LOCATE UNDERGROUND TELECOMMUNICATION -
RELOCATE AS NECESSARY - BY UDOT AND COMCAST
FROM STA: 23+96.11 L 46.87 TO STA: 26+50.00 L 43.89
- 8 REMOVE CONCRETE CURB AND GUTTER
FROM STA: 24+10.27 L 43.10 TO STA: 24+13.31 L 50.65
FROM STA: 25+23.73 L 42.99 TO STA: 25+58.62 L 43.06
- 9 REMOVE CONCRETE DRIVE APPROACH
FROM STA: 24+13.62 L 45.63 TO STA: 24+46.27 L 45.49
FROM STA: 24+69.78 L 45.58 TO STA: 25+17.88 L 45.67
- 10 REMOVE 18" CMP - SEE SHEET CU101 FOR STORM DRAIN DESIGN
FROM STA: 25+23.32 L 41.65 TO STA: 25+58.67 L 41.55

100%

NO.	DATE	DESCRIPTION

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PRINCIPAL
D. EYRE

PROJECT MANAGER
M. COLLIER

CHECKED BY
M. COLLIER

DRAWN BY
T. BASS

DRAWING SCALE
SEE SCALE BAR

ISSUE DATE
DECEMBER 21, 2018

CALDWELL RICHARDS SORENSEN
ANSWERS TO INFRASTRUCTURE

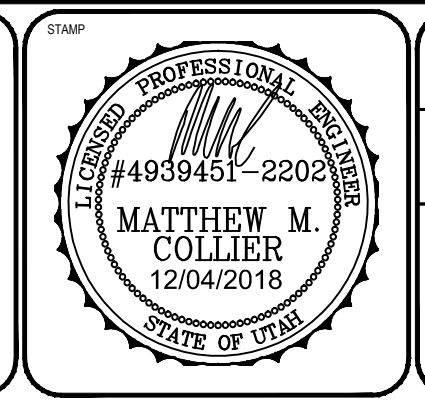
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LOGAN CITY
SOUTH MAIN STREET SIDEWALK CONNECTION DESIGN

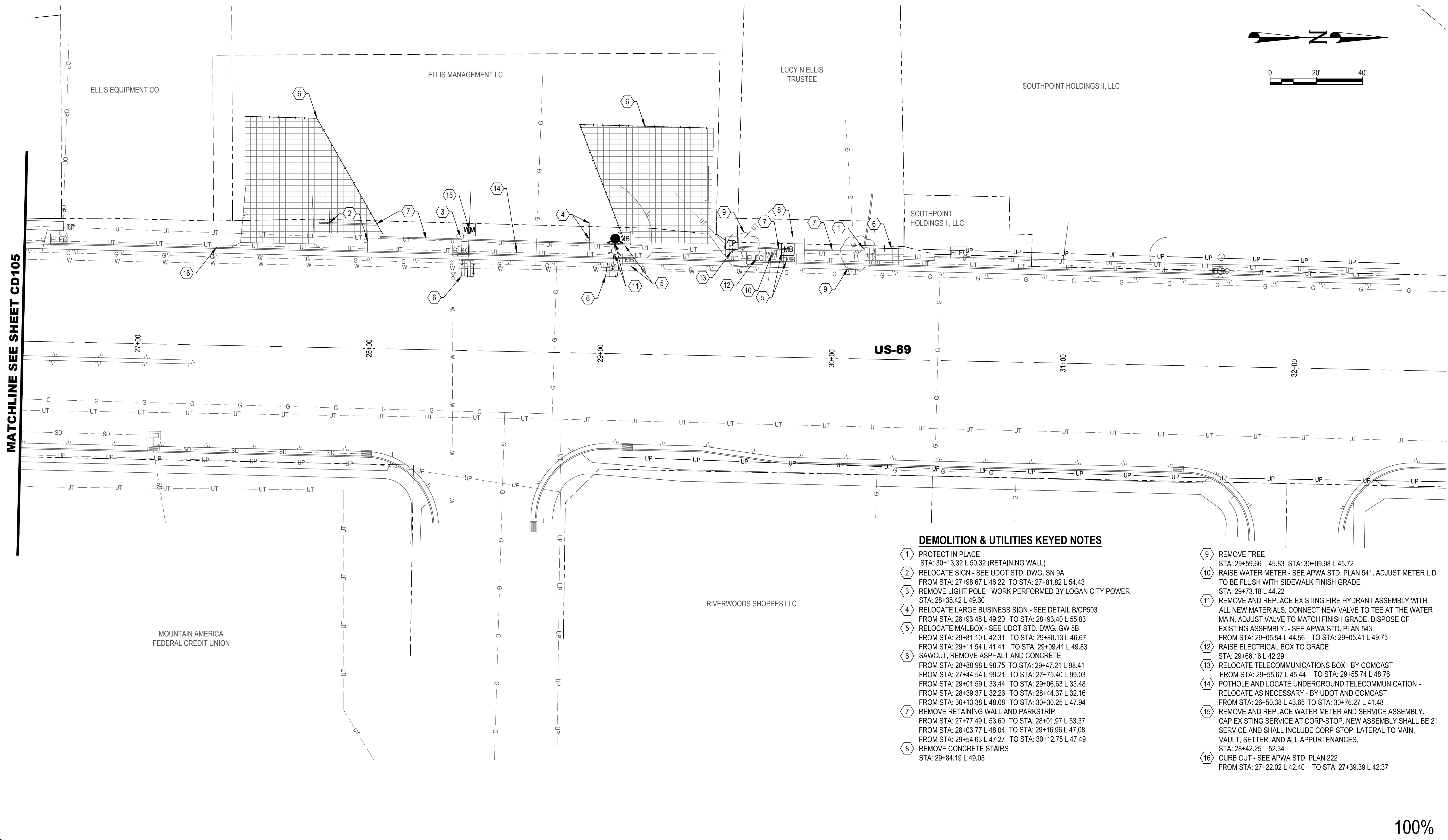
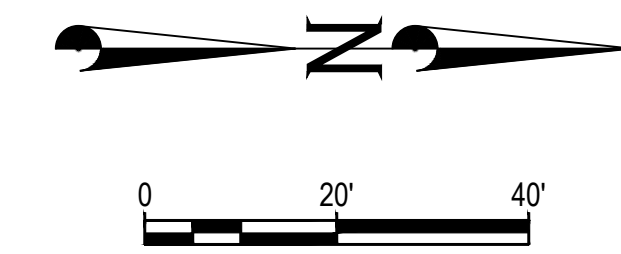
CIVIL DEMOLITION & UTILITIES PLAN

LOGAN, UTAH

SOUTH MAIN STREET



PROJECT NUMBER 16103F	SHEET 9	OF 29
SHEET NUMBER CD105		



DEMOLITION & UTILITIES KEYED NOTES

- 1 PROTECT IN PLACE
STA: 30+13.32 L 50.32 (RETAINING WALL)
- 2 RELOCATE SIGN - SEE UDOT STD. DWG. SN 9A
FROM STA: 27+98.67 L 46.22 TO STA: 27+81.82 L 54.43
- 3 REMOVE LIGHT POLE - WORK PERFORMED BY LOGAN CITY POWER
STA: 28+38.42 L 49.30
- 4 RELOCATE LARGE BUSINESS SIGN - SEE DETAIL B/CP503
FROM STA: 28+93.48 L 49.20 TO STA: 28+93.40 L 55.83
- 5 RELOCATE MAILBOX - SEE UDOT STD. DWG. GW 5B
FROM STA: 29+81.10 L 42.31 TO STA: 29+80.13 L 46.67
FROM STA: 29+11.54 L 41.41 TO STA: 29+09.41 L 49.83
- 6 SAWCUT, REMOVE ASPHALT AND CONCRETE
FROM STA: 28+88.98 L 98.75 TO STA: 29+47.21 L 98.41
FROM STA: 27+44.54 L 99.21 TO STA: 27+75.40 L 99.03
FROM STA: 29+01.59 L 33.44 TO STA: 29+06.63 L 33.48
FROM STA: 28+39.37 L 32.26 TO STA: 28+44.37 L 32.16
FROM STA: 30+13.38 L 48.08 TO STA: 30+30.25 L 47.94
- 7 REMOVE RETAINING WALL AND PARKSTRIP
FROM STA: 27+77.49 L 53.60 TO STA: 28+01.97 L 53.37
FROM STA: 28+03.77 L 48.04 TO STA: 29+16.96 L 47.08
FROM STA: 29+54.63 L 47.27 TO STA: 30+12.75 L 47.49
- 8 REMOVE CONCRETE STAIRS
STA: 29+84.19 L 49.05
- 9 REMOVE TREE
STA: 29+59.66 L 45.83 STA: 30+09.98 L 45.72
- 10 RAISE WATER METER - SEE APWA STD. PLAN 541. ADJUST METER LID TO BE FLUSH WITH SIDEWALK FINISH GRADE.
STA: 29+73.18 L 44.22
- 11 REMOVE AND REPLACE EXISTING FIRE HYDRANT ASSEMBLY WITH ALL NEW MATERIALS. CONNECT NEW VALVE TO TEE AT THE WATER MAIN. ADJUST VALVE TO MATCH FINISH GRADE. DISPOSE OF EXISTING ASSEMBLY. - SEE APWA STD. PLAN 543
FROM STA: 29+05.54 L 44.56 TO STA: 29+05.41 L 49.75
- 12 RAISE ELECTRICAL BOX TO GRADE
STA: 29+66.16 L 42.29
- 13 RELOCATE TELECOMMUNICATIONS BOX - BY COMCAST
FROM STA: 29+55.67 L 45.44 TO STA: 29+55.74 L 48.76
- 14 POTHOLE AND LOCATE UNDERGROUND TELECOMMUNICATION - RELOCATE AS NECESSARY - BY UDOT AND COMCAST
FROM STA: 26+50.38 L 43.65 TO STA: 30+76.27 L 41.48
- 15 REMOVE AND REPLACE WATER METER AND SERVICE ASSEMBLY. CAP EXISTING SERVICE AT CORP-STOP. NEW ASSEMBLY SHALL BE 2" SERVICE AND SHALL INCLUDE CORP-STOP, LATERAL TO MAIN, VAULT, SETTER, AND ALL APPURTENANCES.
STA: 28+42.25 L 52.34
- 16 CURB CUT - SEE APWA STD. PLAN 222
FROM STA: 27+22.02 L 42.40 TO STA: 27+39.39 L 42.37

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PRINCIPAL
D. EYRE

PROJECT MANAGER
M. COLLIER

CHECKED BY
M. COLLIER

DRAWN BY
T. BASS

DRAWING SCALE
SEE SCALE BAR

ISSUE DATE
DECEMBER 21, 2018

CALDWELL RICHARDS SORENSEN

ANSWERS TO INFRASTRUCTURE

FARMINGTON OFFICE:

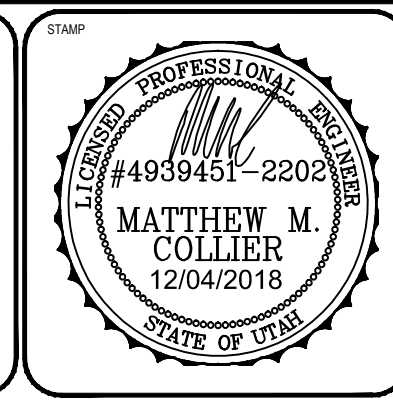
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LOGAN CITY

SOUTH MAIN STREET SIDEWALK CONNECTION DESIGN

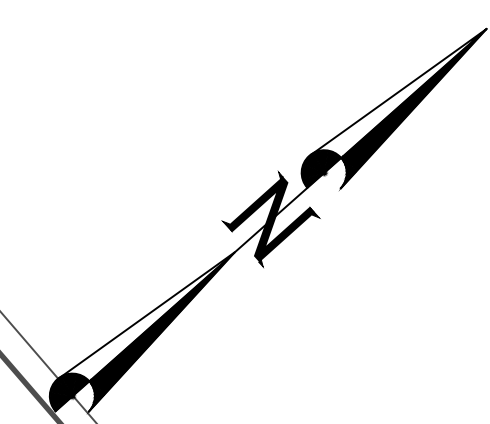
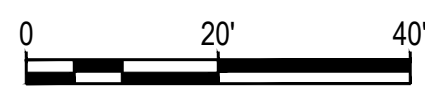
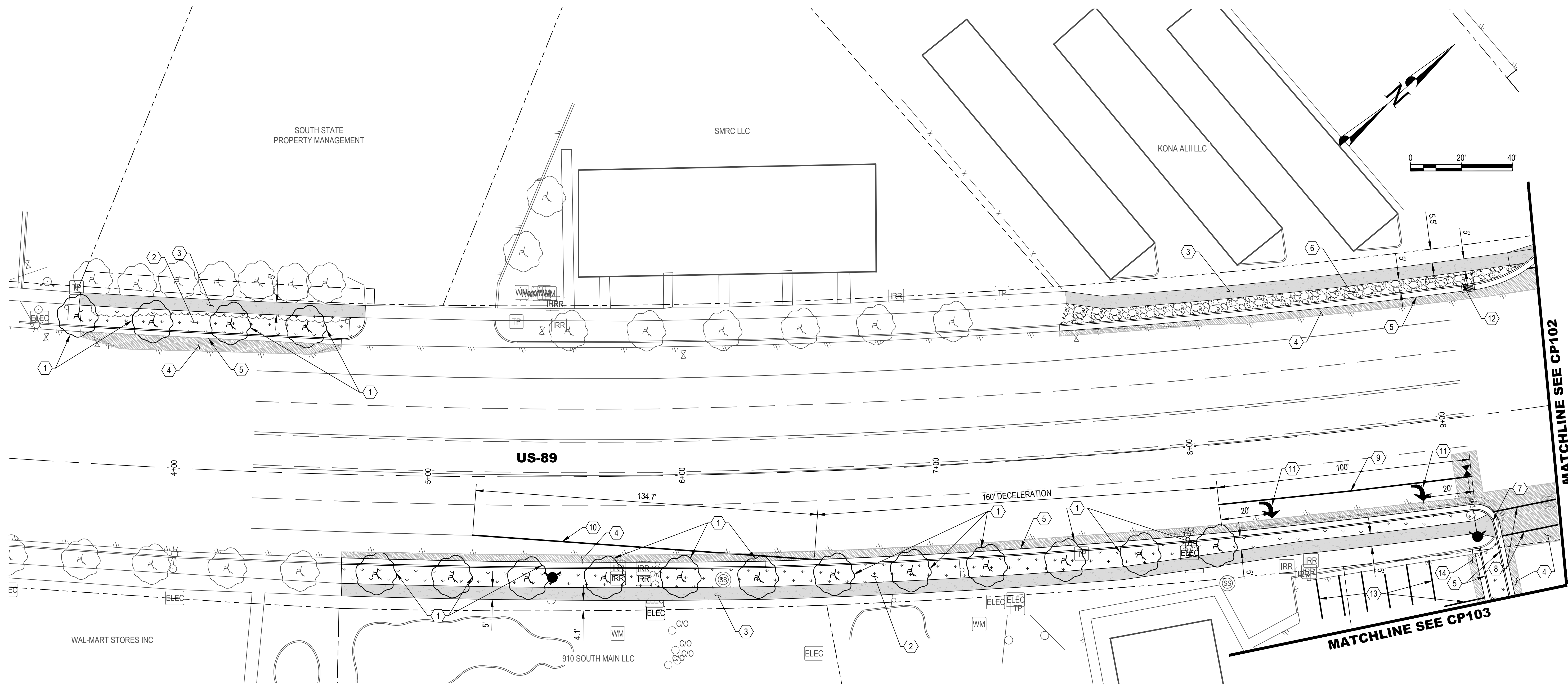
CIVIL DEMOLITION & UTILITIES PLAN

LOGAN, UTAH



PROJECT NUMBER	16103F
SHEET	10
OF	29
SHEET NUMBER	CD106

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PAVING & SITE KEYED NOTES

- 1 TREE - LONDON PLANETREE (2" MIN. CALIPER) PER LOGAN CITY/ APWA PLAN 681 AND SPECIFICATIONS
STA: 3+58.61 L 57.64 STA: 5+98.82 R 39.82
STA: 3+88.78 L 57.11 STA: 6+28.85 R 40.80
STA: 4+19.96 L 57.82 STA: 6+58.20 R 41.12
STA: 4+50.48 L 57.71 STA: 6+88.13 R 40.73
STA: 4+80.66 R 38.68 STA: 7+17.73 R 40.46
STA: 5+10.13 R 39.40 STA: 7+48.12 R 40.34
STA: 5+39.60 R 39.82 STA: 7+77.49 R 40.26
STA: 5+69.35 R 40.24 STA: 8+07.26 R 39.64
- 2 SOD AND PARKSTRIP IRRIGATION, CONNECT IRRIGATION SYSTEM TO EXISTING WATER SERVICE. INSTALL BACKFLOW PREVENTER, MODIFY EXISTING SPRINKLER SYSTEM IF NECESSARY, AND VERIFY PROPER FUNCTION OF SYSTEM.
FROM STA: 3+58.74 L 61.90 TO STA: 4+73.83 L 61.77
FROM STA: 4+67.30 R 42.92 TO STA: 9+12.77 R 39.31
FROM STA: 9+13.61 R 48.08 TO STA: 9+13.73 R 72.88
- 3 SIDEWALK - SEE DETAIL A/CP501
FROM STA: 3+59.01 L 66.81 TO STA: 4+73.85 L 66.66
FROM STA: 4+67.18 R 47.85 TO STA: 9+07.82 R 46.03
FROM STA: 7+55.91 L 65.09 TO STA: 9+34.49 L 61.77
- 4 ASPHALT SECTION (TYPE 1) - SEE DETAIL B/CP501
FROM STA: 3+60.24 L 49.57 TO STA: 4+64.34 L 49.03
FROM STA: 4+66.73 R 30.45 TO STA: 9+49.30 R 30.37
FROM STA: 7+52.25 L 47.69 TO STA: 9+50.06 L 46.67
FROM STA: 9+22.17 R 72.25 TO STA: 9+49.23 R 53.13
- 5 CURB & GUTTER (TYPE B1) - UDOT STD. DWG. GW 2A
FROM STA: 3+60.12 L 53.87 TO STA: 4+64.60 L 53.41
FROM STA: 4+66.94 R 35.33 TO STA: 9+16.94 R 72.64
FROM STA: 9+05.22 R 51.55 TO STA: 9+10.18 R 73.15
FROM STA: 7+52.46 L 52.20 TO STA: 9+37.88 L 55.50
- 6 DECORATIVE ROCK PARKSTRIP - SEE DETAIL E/CP501
FROM STA: 7+56.05 L 60.24 TO STA: 9+37.88 L 55.50
- 7 ADA RAMP - SEE UDOT PA SERIES STD DWGS
STA: 9+14.66 R 43.51 STA: 9+34.50 L 59.27
- 8 CROSSWALK STRIPING - THERMOPLASTIC PER UDOT SPEC 2768
FROM STA: 9+16.80 R 43.75 TO STA: 9+58.20 R 40.61
- 9 8" SOLID WHITE LINE PER UDOT SPEC 2765
FROM STA: 8+09.44 R 23.59 TO STA: 9+08.63 R 23.53
- 10 4" SOLID WHITE LINE PER UDOT SPEC 2765
FROM STA: 5+17.80 R 23.05 TO STA: 6+50.71 R 34.67
- 11 RIGHT TURN ARROW PER UDOT STD DWG ST 6 THERMOPLASTIC PER UDOT SPEC 2768
STA: 8+29.04 R 27.49 STA: 8+88.48 R 27.25
- 12 DRAINAGE CONTAINMENT BOX. ACF ENVIRONMENTAL R-TANK OR EQUAL. LIGHT DUTY MODULES. SEE DETAIL C/CP504.
STA: 9+14.84 L 52.24
- 13 4" SOLID WHITE LINE PER UDOT SPEC 2765 (PARKING)
FROM STA: 8+44.84 R 72.26 TO STA: 8+88.70 R 70.19
- 14 ASPHALT SECTION (TYPE 2) - SEE DETAIL C/CP501
FROM STA: 9+03.18 R 54.02 TO STA: 9+04.83 R 73.57

100%

NO.	DATE	DESCRIPTION

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PRINCIPAL
D. EYRE

PROJECT MANAGER
M. COLLIER

CHECKED BY
M. COLLIER

DRAWN BY
T. BASS

DRAWING SCALE
SEE SCALE BAR

ISSUE DATE
DECEMBER 21, 2018

CRS CALDWELL RICHARDS SORENSEN
ANSWERS TO INFRASTRUCTURE

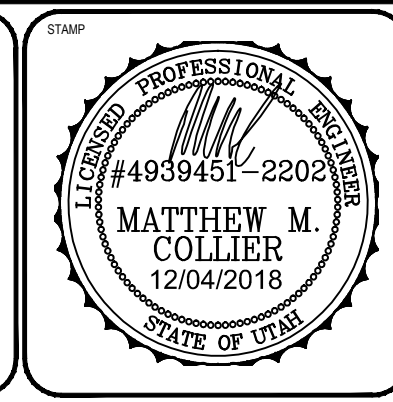
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LOGAN CITY
SOUTH MAIN STREET SIDEWALK CONNECTION DESIGN

CIVIL PAVING & SITE PLAN

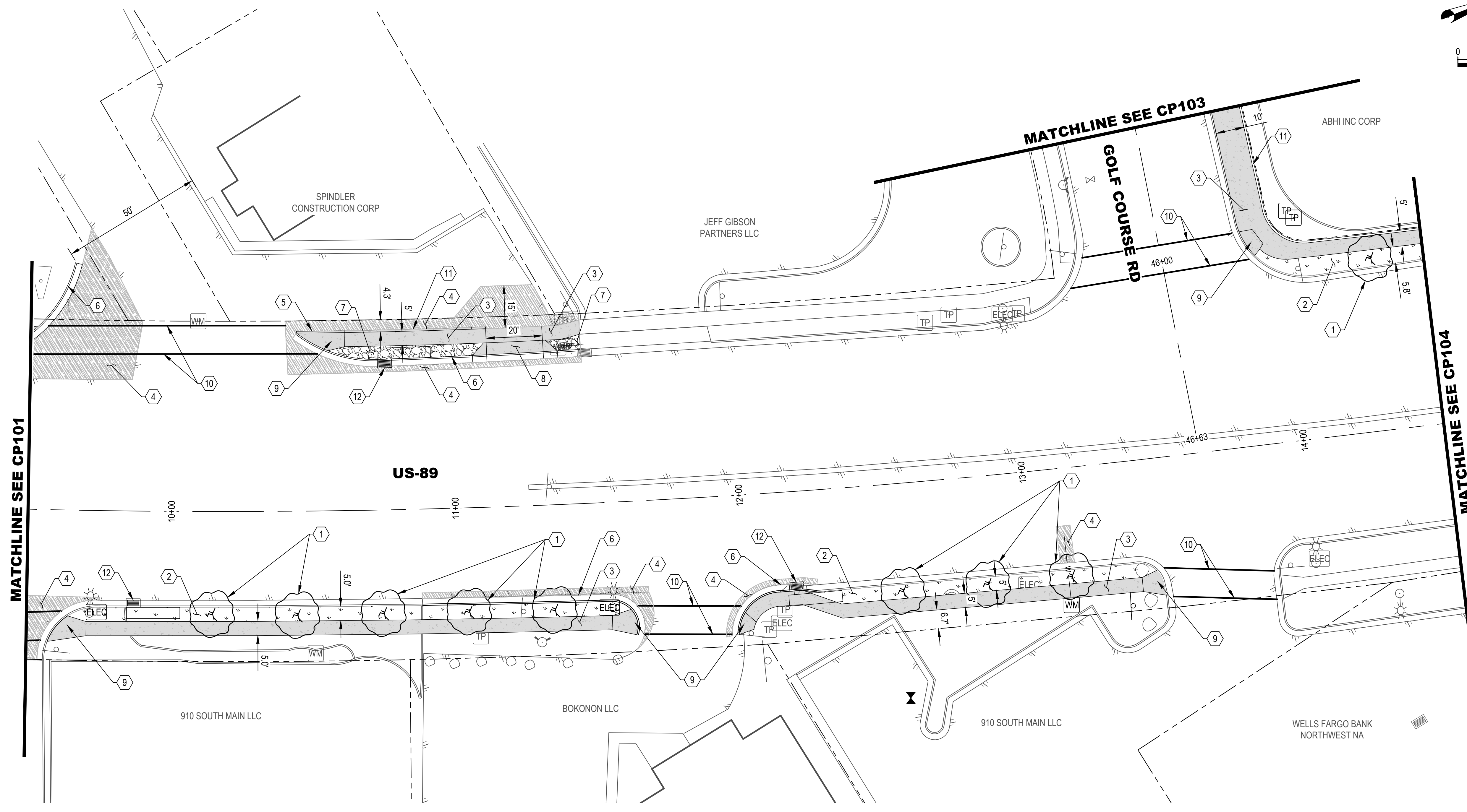
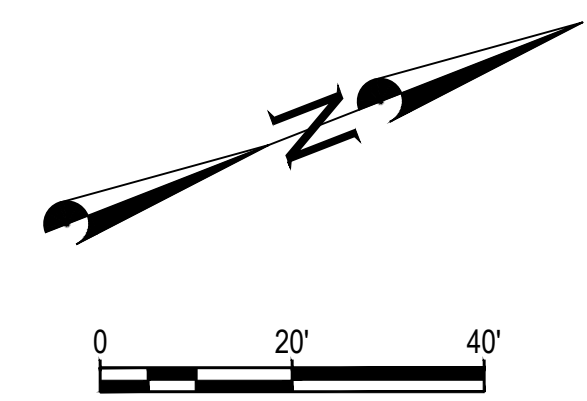
LOGAN, UTAH

SOUTH MAIN STREET



PROJECT NUMBER	16103F
SHEET	11
OF	29
SHEET NUMBER	CP101

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PAVING & SITE KEYED NOTES

- 1 TREE - LONDON PLANETREE (2" MIN. CALIPER) PERLOGAN CITY/ APWA PLAN 681 AND SPECIFICATIONS
 STA: 10+14.48 R 36.07 STA: 12+55.24 R 37.76
 STA: 10+44.19 R 36.55 STA: 12+84.90 R 37.97
 STA: 10+74.22 R 36.31 STA: 13+14.08 R 38.07
 STA: 11+03.95 R 36.53 STA: 14+31.16 L 61.19
 STA: 11+33.74 R 37.00
- 2 SOD AND PARKSTRIP IRRIGATION. CONNECT IRRIGATION SYSTEM TO EXISTING WATER SERVICE. INSTALL BACKFLOW PREVENTER. MODIFY EXISTING SPRINKLER SYSTEM IF NECESSARY, AND VERIFY PROPER FUNCTION OF SYSTEM.
 FROM STA: 9+64.07 R 37.28 TO STA: 11+60.10 R 38.06
 FROM STA: 12+20.07 R 34.97 TO STA: 13+43.28 R 39.44
 FROM STA: 13+90.55 L 66.70 TO STA: 14+50.02 L 63.96
- 3 SIDEWALK - SEE DETAIL A/CP501
 FROM STA: 9+70.54 R 44.17 TO STA: 11+53.39 R 44.92
 FROM STA: 10+60.69 L 62.75 TO STA: 11+12.73 L 62.94
 FROM STA: 11+32.92 L 63.09 TO STA: 11+46.44 L 64.70
 FROM STA: 12+03.26 R 45.09 TO STA: 13+37.91 R 46.34
 FROM STA: 13+97.24 L 76.79 TO STA: 14+50.01 L 68.87
- 4 ASPHALT SECTION (TYPE 1) - SEE DETAIL B/CP501
 FROM STA: 9+49.30 R 30.37 TO STA: 9+75.15 R 30.60
 FROM STA: 9+50.06 L 46.67 TO STA: 9+70.19 L 99.63
 FROM STA: 10+40.47 L 67.06 TO STA: 11+46.31 L 66.99
 FROM STA: 10+41.39 L 48.16 TO STA: 11+46.68 L 49.83
 FROM STA: 10+87.56 R 29.53 TO STA: 11+61.41 R 52.25
 FROM STA: 11+92.64 R 49.67 TO STA: 12+25.50 R 31.42
 FROM STA: 13+10.02 R 20.33 TO STA: 13+14.99 R 20.24
- 5 CONCRETE CURB TRANSITION. SEE DETAIL D/CP501.
 FROM STA: 10+44.63 L 63.44 TO STA: 10+54.86 L 63.43
 FROM STA: 9+51.66 L 64.65 TO STA: 9+64.51 L 87.19
 FROM STA: 10+55.83 L 56.43 TO STA: 11+46.43 L 54.34
 FROM STA: 10+87.68 R 33.98 TO STA: 11+61.69 R 47.09
 FROM STA: 11+97.10 R 49.00 TO STA: 12+24.92 R 35.89
- 6 CURB & GUTTER (TYPE B1) - UDOT STD. DWG. GW 2A
 FROM STA: 11+34.05 L 58.10 TO STA: 11+46.41 L 59.69
- 7 DECORATIVE ROCK PARKSTRIP - SEE DETAIL E/CP501
 FROM STA: 10+55.83 L 56.43 TO STA: 11+11.74 L 57.92
 FROM STA: 11+34.05 L 58.10 TO STA: 11+46.41 L 59.69
- 8 DRIVEWAY APPROACH - SEE DETAIL F/CP501
 APPROACH & WALK 8" THICK
 FROM STA: 11+07.69 L 53.63 TO STA: 11+38.21 L 54.18
- 9 ADA RAMP - SEE UDOT PA SERIES STD DWGS
 STA: 9+60.25 R 40.63 STA: 10+60.68 L 60.27
 STA: 11+61.80 R 42.77 STA: 11+97.85 R 45.56
 STA: 13+44.81 R 44.05 STA: 13+86.96 L 71.40
- 10 CROSSWALK STRIPING - THERMOPLASTIC PER UDOT SPEC 2768
 FROM STA: 9+50.04 L 59.89 TO STA: 10+45.37 L 60.50
 FROM STA: 11+62.98 R 42.16 TO STA: 11+96.17 R 44.13
 FROM STA: 13+26.32 L 67.64 TO STA: 13+85.32 L 70.31
 FROM STA: 13+46.86 R 44.24 TO STA: 13+83.66 R 49.70
- 11 SHORT RETAINING WALL - SEE DETAIL B/CP502
 FROM STA: 10+54.86 L 63.43 TO STA: 11+12.72 L 63.60
 FROM STA: 14+00.25 L 73.20 TO STA: 14+50.01 L 69.37
- 12 DRAINAGE CONTAINMENT BOX. ACF ENVIRONMENTAL R-TANK OR EQUAL. LIGHT DUTY MODULES. SEE DETAIL C/CP504.
 STA: 9+93.61 R 33.50 STA: 12+18.05 R 34.93 STA: 10+83.07 L 53.22

100%

NO.	DATE	DESCRIPTION

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PRINCIPAL
D. EYRE

PROJECT MANAGER
M. COLLIER

CHECKED BY
M. COLLIER

DRAWN BY
T. BASS

DRAWING SCALE
SEE SCALE BAR

ISSUE DATE
DECEMBER 21, 2018

CALDWELL RICHARDS SORENSEN

ANSWERS TO INFRASTRUCTURE

FARMINGTON OFFICE:

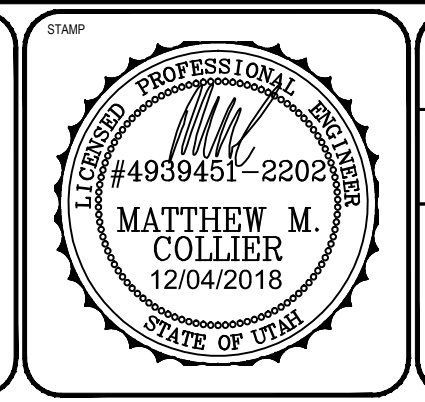
PO Box 280
160 S MAIN, STE. 200
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PHONE: 801 .939 .5565
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LOGAN CITY

SOUTH MAIN STREET SIDEWALK CONNECTION DESIGN

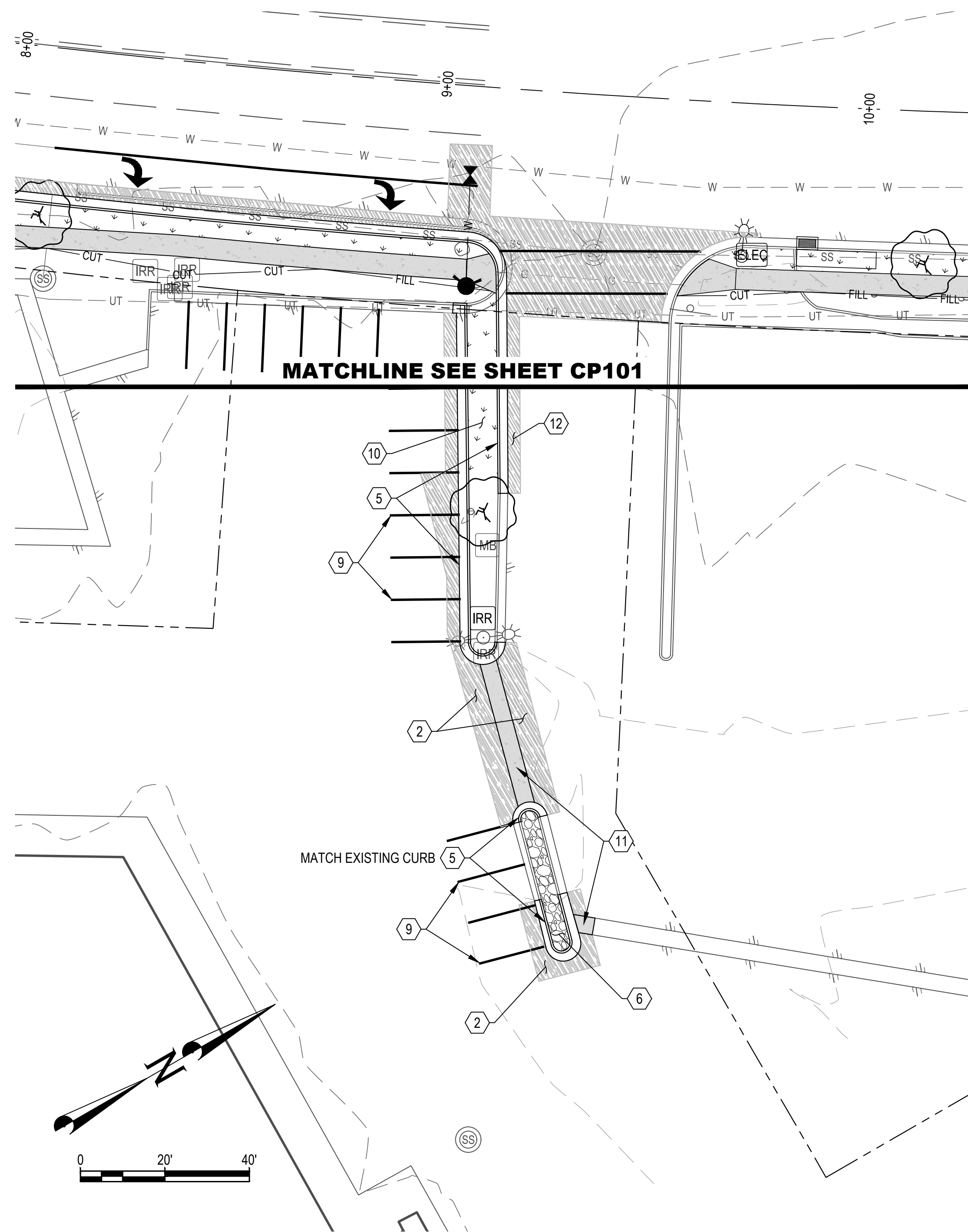
CIVIL PAVING & SITE PLAN

LOGAN, UTAH

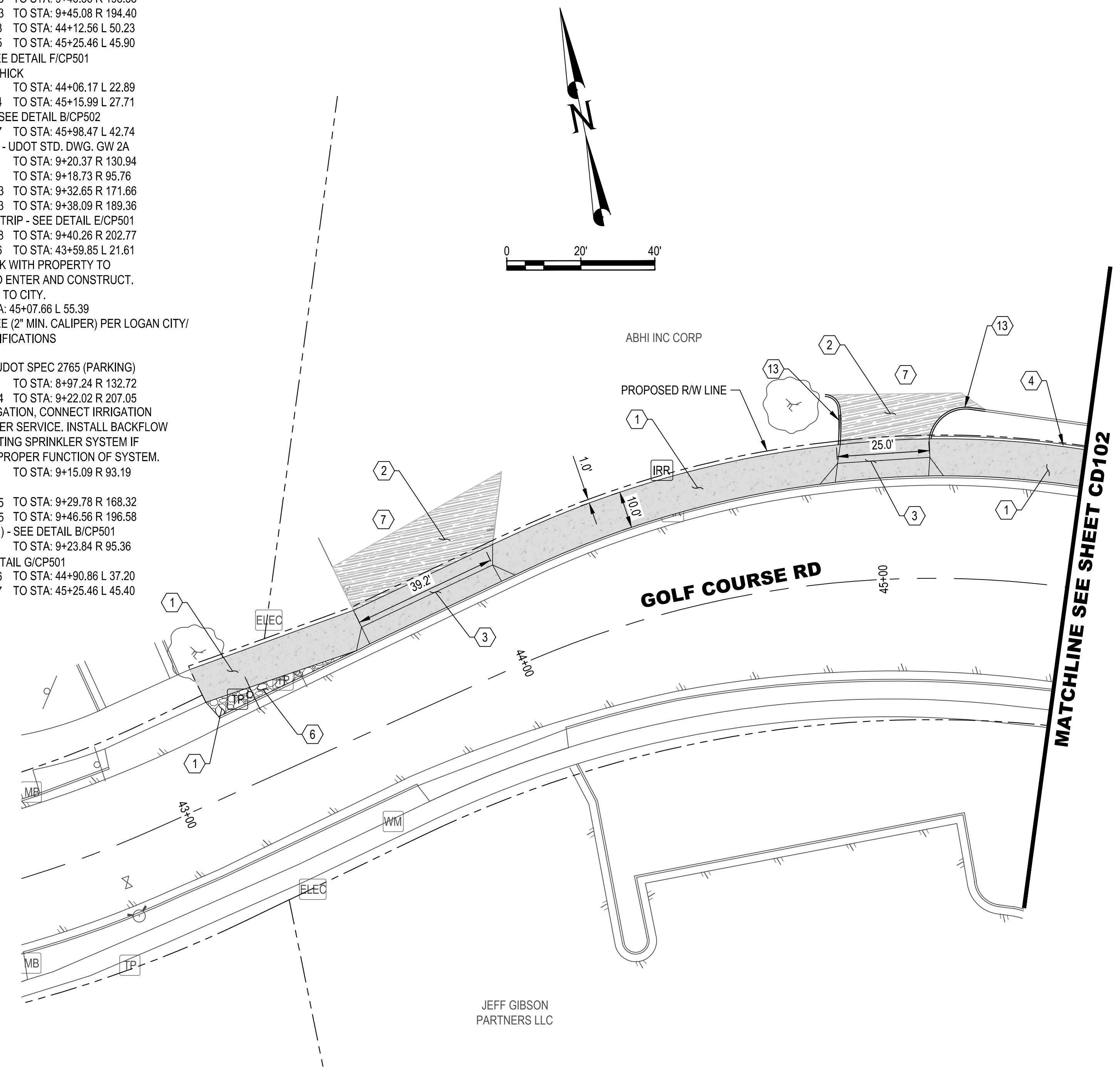


PROJECT NUMBER	16103F
SHEET	12 OF 29
DRAWING NUMBER	CP102

File Path: P:\161031\logans\city-south-main-street-sidewalk\Drawings\Sheets\DEMO AND PAVING.dwg Dec-04-2018 - 3:27pm



- PAVING & SITE KEYED NOTES**
- ① SIDEWALK - SEE DETAIL A/CP501
FROM STA: 43+16.68 L 35.41 TO STA: 43+63.56 L 31.88
FROM STA: 44+04.26 L 32.84 TO STA: 44+91.30 L 37.13
FROM STA: 45+12.51 L 37.67 TO STA: 45+94.67 L 40.01
 - ② ASPHALT SECTION (TYPE 2) - SEE DETAIL C/CP501
FROM STA: 9+04.83 R 73.57 TO STA: 9+24.58 R 174.47
FROM STA: 9+25.22 R 130.70 TO STA: 9+37.41 R 170.02
FROM STA: 9+29.70 R 192.63 TO STA: 9+46.36 R 198.58
FROM STA: 9+43.08 R 187.93 TO STA: 9+45.08 R 194.40
FROM STA: 43+63.19 L 44.88 TO STA: 44+12.56 L 50.23
FROM STA: 44+88.83 L 50.85 TO STA: 45+25.46 L 45.90
 - ③ DRIVEWAY APPROACH - SEE DETAIL F/CP501
APPROACH AND WALK 8" THICK
FROM STA: 43+59.85 L 21.61 TO STA: 44+06.17 L 22.89
FROM STA: 44+85.57 L 26.94 TO STA: 45+15.99 L 27.71
 - ④ SHORT RETAINING WALL - SEE DETAIL B/CP502
FROM STA: 45+12.96 L 38.17 TO STA: 45+98.47 L 42.74
 - ⑤ CURB & GUTTER (TYPE B1) - UDOT STD. DWG. GW 2A
FROM STA: 9+10.18 R 73.15 TO STA: 9+20.37 R 130.94
FROM STA: 9+16.94 R 72.64 TO STA: 9+18.73 R 95.76
FROM STA: 9+28.94 R 172.93 TO STA: 9+32.65 R 171.66
FROM STA: 9+34.60 R 190.93 TO STA: 9+38.09 R 189.36
 - ⑥ DECORATIVE ROCK PARKSTRIP - SEE DETAIL E/CP501
FROM STA: 9+30.21 R 170.28 TO STA: 9+40.26 R 202.77
FROM STA: 43+16.99 L 25.56 TO STA: 43+59.85 L 21.61
 - ⑦ CONTRACTOR SHALL WORK WITH PROPERTY TO OBTAIN SIGNED PERMIT TO ENTER AND CONSTRUCT. PROVIDE COPY OF PERMIT TO CITY.
STA: 43+88.63 L 52.05 STA: 45+07.66 L 55.39
 - ⑧ TREE - LONDON PLANETREE (2" MIN. CALIPER) PER LOGAN CITY/ APWA PLAN 681 AND SPECIFICATIONS
STA: 9+15.76 R 100.15
 - ⑨ 4" SOLID WHITE LINE PER UDOT SPEC 2765 (PARKING)
FROM STA: 8+92.06 R 72.96 TO STA: 8+97.24 R 132.72
FROM STA: 9+12.98 R 178.64 TO STA: 9+22.02 R 207.05
 - ⑩ SOD AND PARKSTRIP IRRIGATION. CONNECT IRRIGATION SYSTEM TO EXISTING WATER SERVICE. INSTALL BACKFLOW PREVENTER, MODIFY EXISTING SPRINKLER SYSTEM IF NECESSARY, AND VERIFY PROPER FUNCTION OF SYSTEM.
FROM STA: 9+13.90 R 72.87 TO STA: 9+15.09 R 93.19
 - ⑪ 4' CONCRETE WATERWAY
FROM STA: 9+19.33 R 136.15 TO STA: 9+29.78 R 168.32
FROM STA: 9+42.66 R 196.15 TO STA: 9+46.56 R 196.58
 - ⑫ ASPHALT SECTION (TYPE 1) - SEE DETAIL B/CP501
FROM STA: 9+22.17 R 72.25 TO STA: 9+23.84 R 95.36
 - ⑬ CONCRETE CURB - SEE DETAIL G/CP501
FROM STA: 44+88.78 L 50.36 TO STA: 44+90.86 L 37.20
FROM STA: 45+12.96 L 37.67 TO STA: 45+25.46 L 45.40



NO.	DATE	DESCRIPTION

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PRINCIPAL
D. EYRE

PROJECT MANAGER
M. COLLIER

CHECKED BY
M. COLLIER

DRAWN BY
T. BASS

DRAWING SCALE
SEE SCALE BAR

ISSUE DATE
DECEMBER 21, 2018

CALDWELL RICHARDS SORENSEN

ANSWERS TO INFRASTRUCTURE

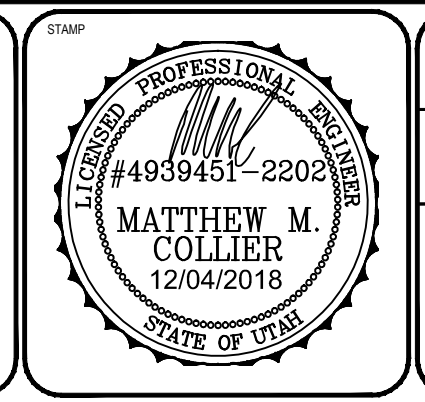
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PHONE: 801.939.5565
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LOGAN CITY
SOUTH MAIN STREET SIDEWALK CONNECTION DESIGN

CIVIL PAVING & SITE PLAN

LOGAN, UTAH



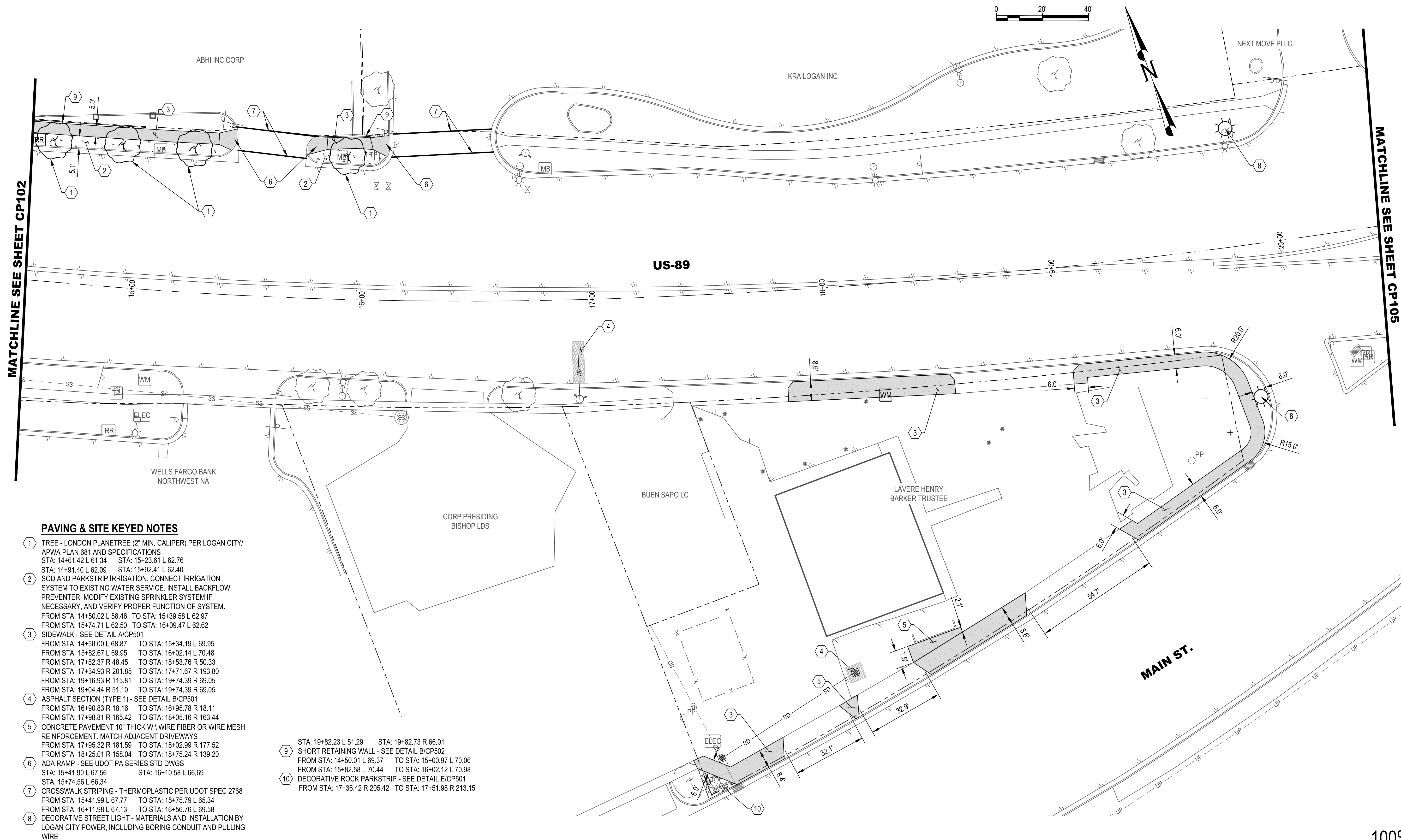
PROJECT NUMBER
16103F

SHEET
13 OF **29**

SHEET NUMBER
CP103

100%

File Path: P:\161031\logan-city-south-main-street-sidewalk\Drawings\Sheets\DEMO AND PAVING.dwg Dec-04-2018 - 3:28pm



PAVING & SITE KEYED NOTES

- ① TREE - LONDON PLANETREE (2" MIN. CALIPER) PER LOGAN CITY/ APWA PLAN 681 AND SPECIFICATIONS
 STA: 14+61.42 L 61.34 TO STA: 15+23.61 L 62.76
 STA: 14+91.40 L 62.09 TO STA: 15+92.41 L 62.40
- ② SOD AND PARKSTRIP IRRIGATION, CONNECT IRRIGATION SYSTEM TO EXISTING WATER SERVICE. INSTALL BACKFLOW PREVENTER, MODIFY EXISTING SPRINKLER SYSTEM IF NECESSARY, AND VERIFY PROPER FUNCTION OF SYSTEM.
 FROM STA: 14+50.02 L 58.46 TO STA: 15+39.58 L 62.97
 FROM STA: 15+74.71 L 62.50 TO STA: 16+09.47 L 62.62
- ③ SIDEWALK - SEE DETAIL A/CP501
 FROM STA: 14+50.00 L 68.87 TO STA: 15+34.19 L 69.95
 FROM STA: 15+82.67 L 69.95 TO STA: 16+02.14 L 70.48
 FROM STA: 17+82.37 R 48.45 TO STA: 18+53.76 R 50.33
 FROM STA: 17+34.93 R 201.85 TO STA: 17+71.67 R 193.80
 FROM STA: 19+16.93 R 115.81 TO STA: 19+74.39 R 69.05
 FROM STA: 19+04.44 R 51.10 TO STA: 19+74.39 R 69.05
- ④ ASPHALT SECTION (TYPE 1) - SEE DETAIL B/CP501
 FROM STA: 16+90.83 R 18.16 TO STA: 16+95.78 R 18.11
 FROM STA: 17+98.81 R 165.42 TO STA: 18+05.16 R 163.44
- ⑤ CONCRETE PAVEMENT 10" THICK WITH WIRE FIBER OR WIRE MESH REINFORCEMENT. MATCH ADJACENT DRIVEWAYS
 FROM STA: 17+95.32 R 181.59 TO STA: 18+02.99 R 177.52
 FROM STA: 18+25.01 R 158.04 TO STA: 18+75.24 R 139.20
- ⑥ ADA RAMP - SEE UDOT PA SERIES STD DWGS
 STA: 15+41.90 L 67.56 TO STA: 16+10.58 L 66.69
 STA: 15+74.56 L 66.34
- ⑦ CROSSWALK STRIPING - THERMOPLASTIC PER UDOT SPEC 2768
 FROM STA: 15+41.99 L 67.77 TO STA: 15+75.79 L 65.34
 FROM STA: 16+11.98 L 67.13 TO STA: 16+56.76 L 69.58
- ⑧ DECORATIVE STREET LIGHT - MATERIALS AND INSTALLATION BY LOGAN CITY POWER, INCLUDING BORING CONDUIT AND PULLING WIRE
- ⑨ SHORT RETAINING WALL - SEE DETAIL B/CP502
 FROM STA: 14+50.01 L 69.37 TO STA: 15+00.97 L 70.06
 FROM STA: 15+82.58 L 70.44 TO STA: 16+02.12 L 70.98
- ⑩ DECORATIVE ROCK PARKSTRIP - SEE DETAIL E/CP501
 FROM STA: 17+36.42 R 205.42 TO STA: 17+51.98 R 213.15

100%

NO.	DESCRIPTION	DATE

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PRINCIPAL
D. EYRE

PROJECT MANAGER
M. COLLIER

CHECKED BY
M. COLLIER

DRAWN BY
T. BASS

DRAWING SCALE
SEE SCALE BAR

ISSUE DATE
DECEMBER 21, 2018

CALDWELL RICHARDS SORENSEN

ANSWERS TO INFRASTRUCTURE

FARMINGTON OFFICE:

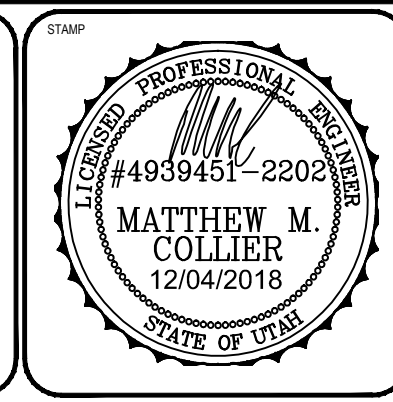
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160 S MAIN, STE. 200
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PHONE: 801.939.5565
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LOGAN CITY

SOUTH MAIN STREET SIDEWALK CONNECTION DESIGN

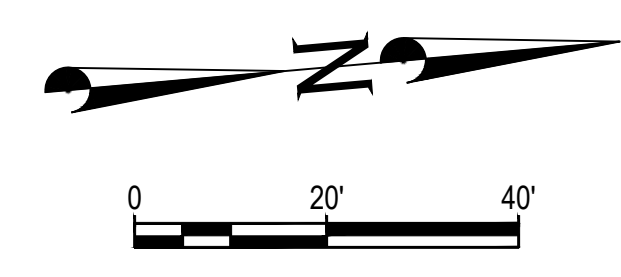
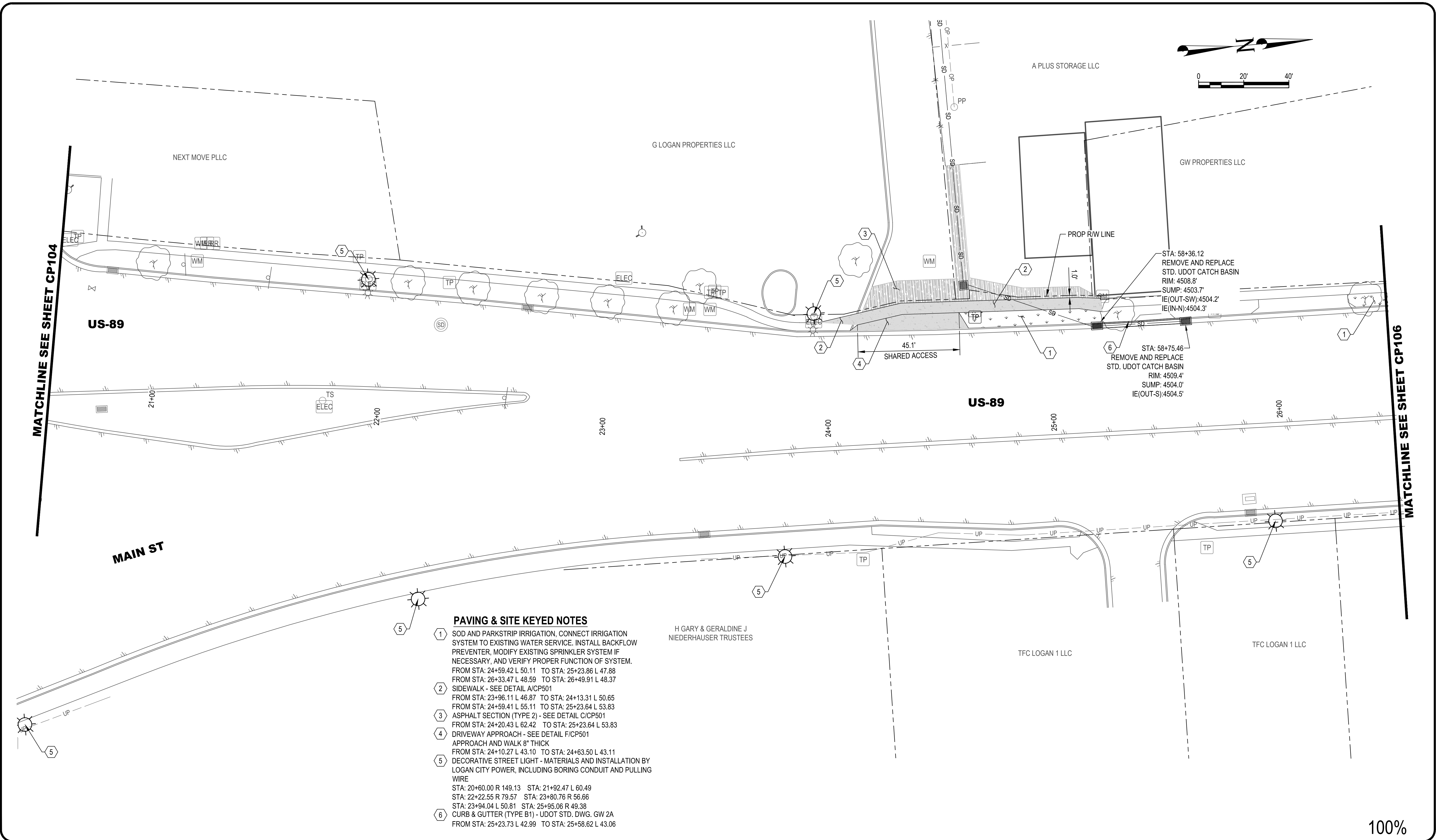
CIVIL PAVING & SITE PLAN

LOGAN, UTAH



PROJECT NUMBER	16103F
SHEET	14
OF	29
SHEET NUMBER	CP104

File Path: P:\161031\logan-city-south-main-street-sidewalk\Drawings\Sheets\DEMO AND PAVING.dwg Dec-04-2018 - 3:29pm



PAVING & SITE KEYED NOTES

- ① SOD AND PARKSTRIP IRRIGATION. CONNECT IRRIGATION SYSTEM TO EXISTING WATER SERVICE. INSTALL BACKFLOW PREVENTER, MODIFY EXISTING SPRINKLER SYSTEM IF NECESSARY, AND VERIFY PROPER FUNCTION OF SYSTEM.
FROM STA: 24+59.42 L 50.11 TO STA: 25+23.86 L 47.88
FROM STA: 26+33.47 L 48.59 TO STA: 26+49.91 L 48.37
- ② SIDEWALK - SEE DETAIL A/CP501
FROM STA: 23+96.11 L 46.87 TO STA: 24+13.31 L 50.65
FROM STA: 24+59.41 L 55.11 TO STA: 25+23.64 L 53.83
- ③ ASPHALT SECTION (TYPE 2) - SEE DETAIL C/CP501
FROM STA: 24+20.43 L 62.42 TO STA: 25+23.64 L 53.83
- ④ DRIVEWAY APPROACH - SEE DETAIL F/CP501
APPROACH AND WALK 8" THICK
FROM STA: 24+10.27 L 43.10 TO STA: 24+63.50 L 43.11
- ⑤ DECORATIVE STREET LIGHT - MATERIALS AND INSTALLATION BY LOGAN CITY POWER, INCLUDING BORING CONDUIT AND PULLING WIRE
STA: 20+60.00 R 149.13 STA: 21+92.47 L 60.49
STA: 22+22.55 R 79.57 STA: 23+80.76 R 56.66
STA: 23+94.04 L 50.81 STA: 25+95.06 R 49.38
- ⑥ CURB & GUTTER (TYPE B1) - UDOT STD. DWG. GW 2A
FROM STA: 25+23.73 L 42.99 TO STA: 25+58.62 L 43.06

100%

NO.	DATE	DESCRIPTION

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PRINCIPAL
D. EYRE

PROJECT MANAGER
M. COLLIER

CHECKED BY
M. COLLIER

DRAWN BY
T. BASS

DRAWING SCALE
SEE SCALE BAR

ISSUE DATE
DECEMBER 21, 2018

CALDWELL RICHARDS SORENSEN

ANSWERS TO INFRASTRUCTURE

FARMINGTON OFFICE:

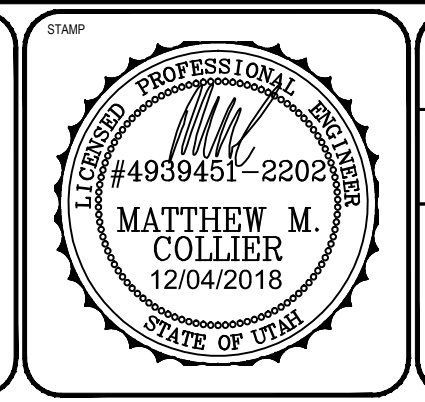
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PHONE: 801.939.5565
FAX: 801.359.4272
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LOGAN CITY
SOUTH MAIN STREET SIDEWALK CONNECTION DESIGN

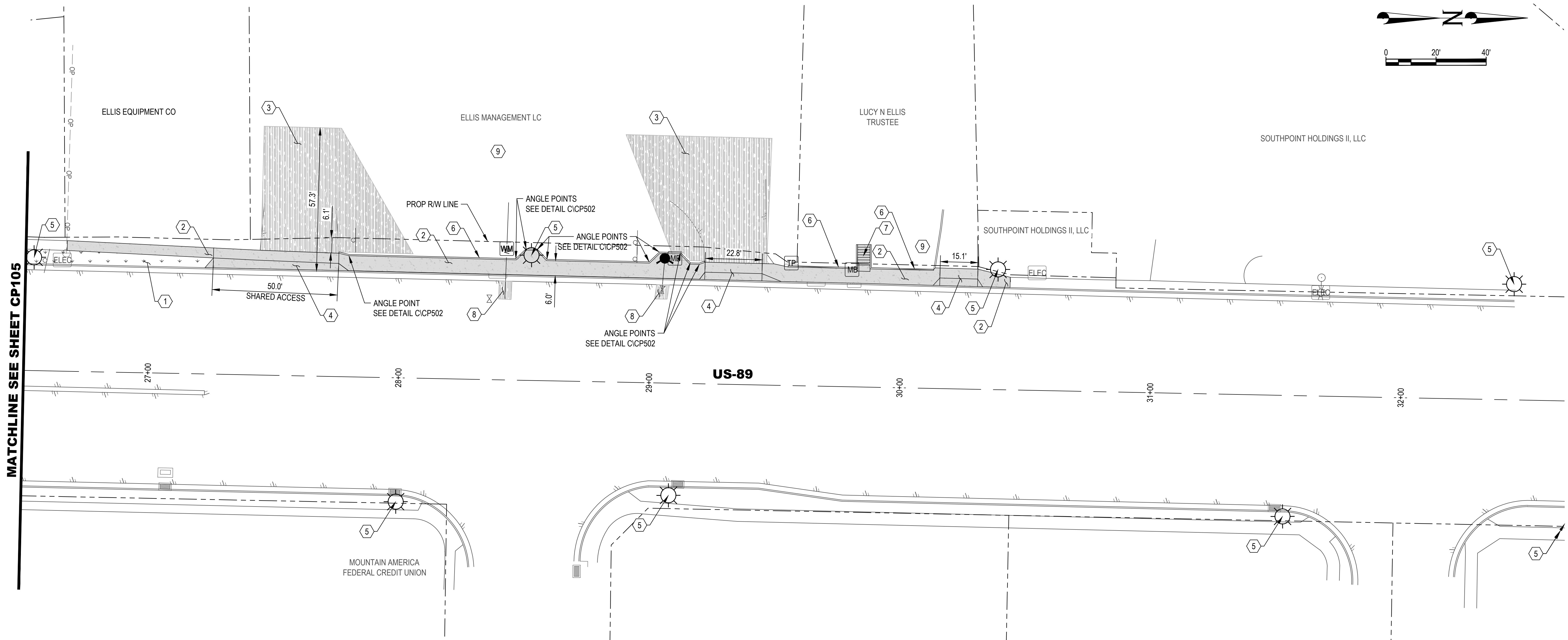
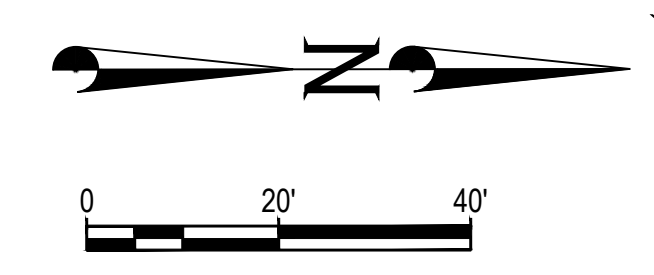
CIVIL PAVING & SITE PLAN

LOGAN, UTAH

SOUTH MAIN STREET



PROJECT NUMBER 16103F	SHEET 15	OF 29
CP105		



PAVING & SITE KEYED NOTES

- 1 SOD AND PARKSTRIP IRRIGATION, CONNECT IRRIGATION SYSTEM TO EXISTING WATER SERVICE. INSTALL BACKFLOW PREVENTER, MODIFY EXISTING SPRINKLER SYSTEM IF NECESSARY, AND VERIFY PROPER FUNCTION OF SYSTEM.
FROM STA: 26+49.91 L 48.37 TO STA: 27+25.33 L 46.35
- 2 SIDEWALK - SEE DETAIL A/CP501
FROM STA: 26+66.92 L 52.07 TO STA: 27+25.36 L 50.33
FROM STA: 27+75.33 L 49.20 TO STA: 29+21.72 L 48.53
FROM STA: 29+49.02 L 48.38 TO STA: 30+12.71 L 47.02
FROM STA: 30+30.45 L 47.95 TO STA: 30+43.36 L 44.90
- 3 ASPHALT SECTION (TYPE 2) - SEE DETAIL C/CP501
FROM STA: 27+44.54 L 99.21 TO STA: 27+75.40 L 99.03
FROM STA: 28+88.98 L 98.75 TO STA: 29+47.21 L 98.41
- 4 DRIVEWAY APPROACH - SEE DETAIL F/CP501
APPROACH AND WALK 8" THICK
FROM STA: 27+22.02 L 42.40 TO STA: 27+79.32 L 42.29
FROM STA: 29+19.40 L 41.69 TO STA: 29+52.02 L 41.39
FROM STA: 30+12.62 L 41.09 TO STA: 30+32.37 L 40.93
- 5 DECORATIVE STREET LIGHT - MATERIALS AND INSTALLATION BY LOGAN CITY POWER, INCLUDING BORING CONDUIT AND PULLING WIRE
STA: 26+53.58 L 45.16 STA: 27+99.74 R 49.40
STA: 28+52.38 L 49.95 STA: 29+08.49 R 44.72
STA: 30+38.21 L 47.93 STA: 31+53.64 R 48.27
STA: 32+44.19 L 46.14 STA: 33+90.49 R 47.25
- 6 RETAINING WALL - SEE DETAILS A/CP502, C/CP502 & D/CP502
FROM STA: 27+75.44 L 49.69 TO STA: 29+21.34 L 48.99
FROM STA: 29+54.65 L 47.77 TO STA: 29+81.66 L 56.72
FROM STA: 29+87.66 L 56.82 TO STA: 30+12.75 L 47.49
- 7 CONCRETE STAIRS - SEE DETAIL A/CP503
STA: 29+84.70 L 47.16
- 8 ASPHALT SECTION (TYPE 1) - SEE DETAIL B/CP501
FROM STA: 28+39.38 L 32.23 TO STA: 28+44.37 L 32.13
FROM STA: 29+01.59 L 33.44 TO STA: 29+06.63 L 33.48
- 9 CONTRACTOR SHALL WORK WITH PROPERTY TO OBTAIN SIGNED PERMIT TO ENTER AND CONSTRUCT. PROVIDE COPY OF PERMIT TO CITY.
STA: 28+53.97 L 85.58 STA: 29+79.51 L 54.46

100%

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NO.	DATE	DESCRIPTION

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PRINCIPAL
D. EYRE

PROJECT MANAGER
M. COLLIER

CHECKED BY
M. COLLIER

DRAWN BY
T. BASS

DRAWING SCALE
SEE SCALE BAR

ISSUE DATE
DECEMBER 21, 2018

CALDWELL RICHARDS SORENSEN
ANSWERS TO INFRASTRUCTURE

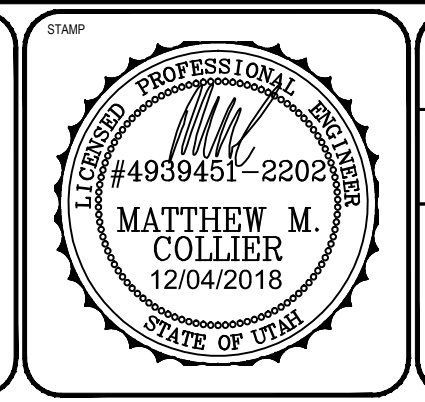
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160 S MAIN, STE. 200
FARMINGTON, UTAH 84025
PHONE: 801 .939 .5565
FAX: 801 .359 .4272
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LOGAN CITY
SOUTH MAIN STREET SIDEWALK CONNECTION DESIGN

CIVIL PAVING & SITE PLAN

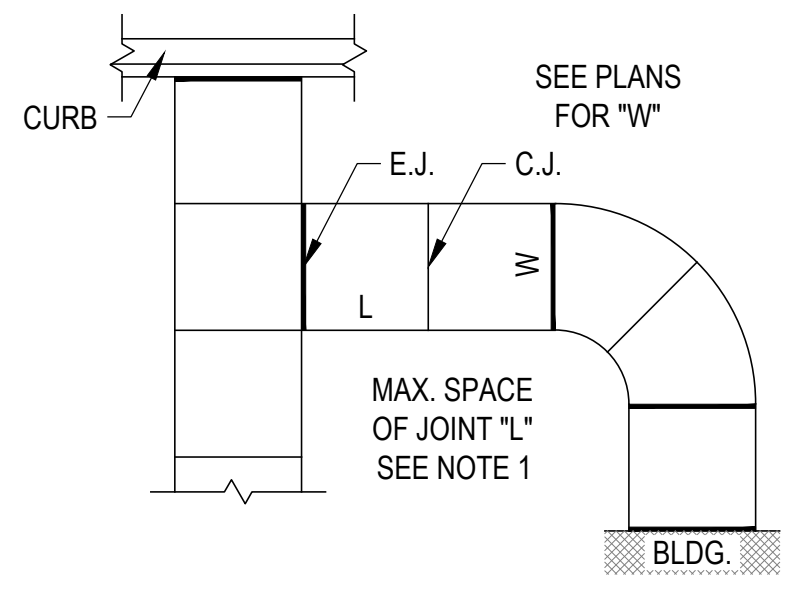
LOGAN, UTAH

SOUTH MAIN STREET

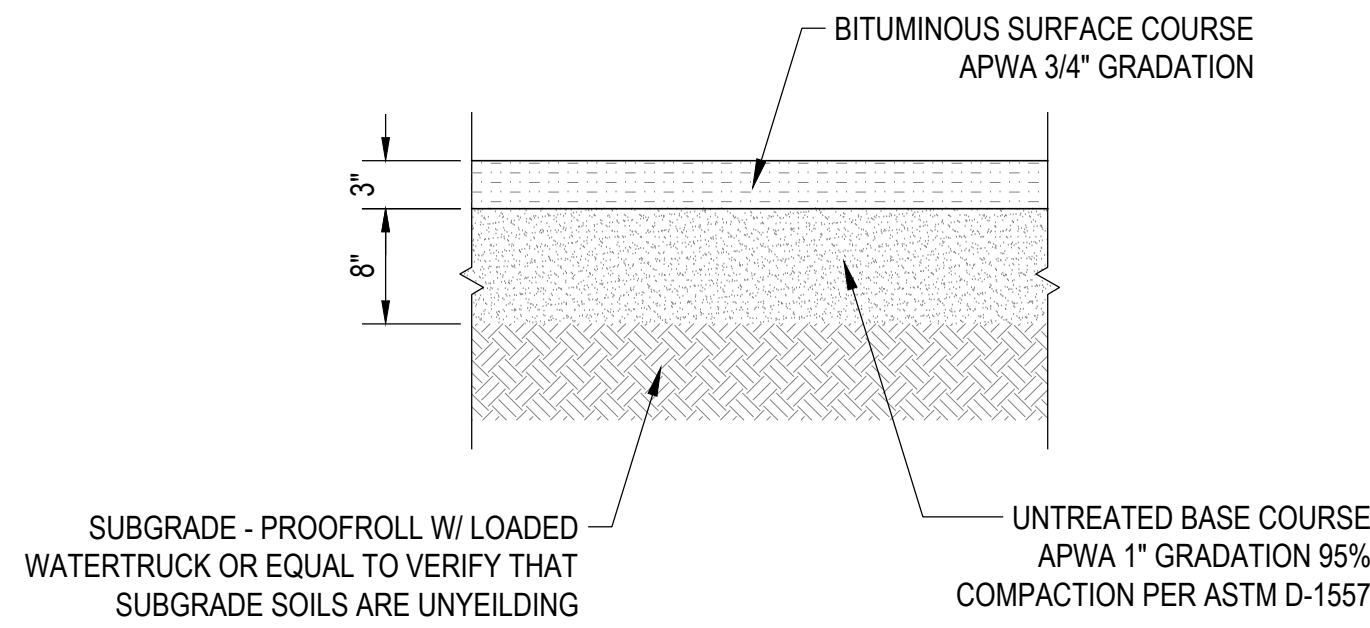


PROJECT NUMBER 16103F	SHEET 16	OF 29
SHEET NUMBER CP106		

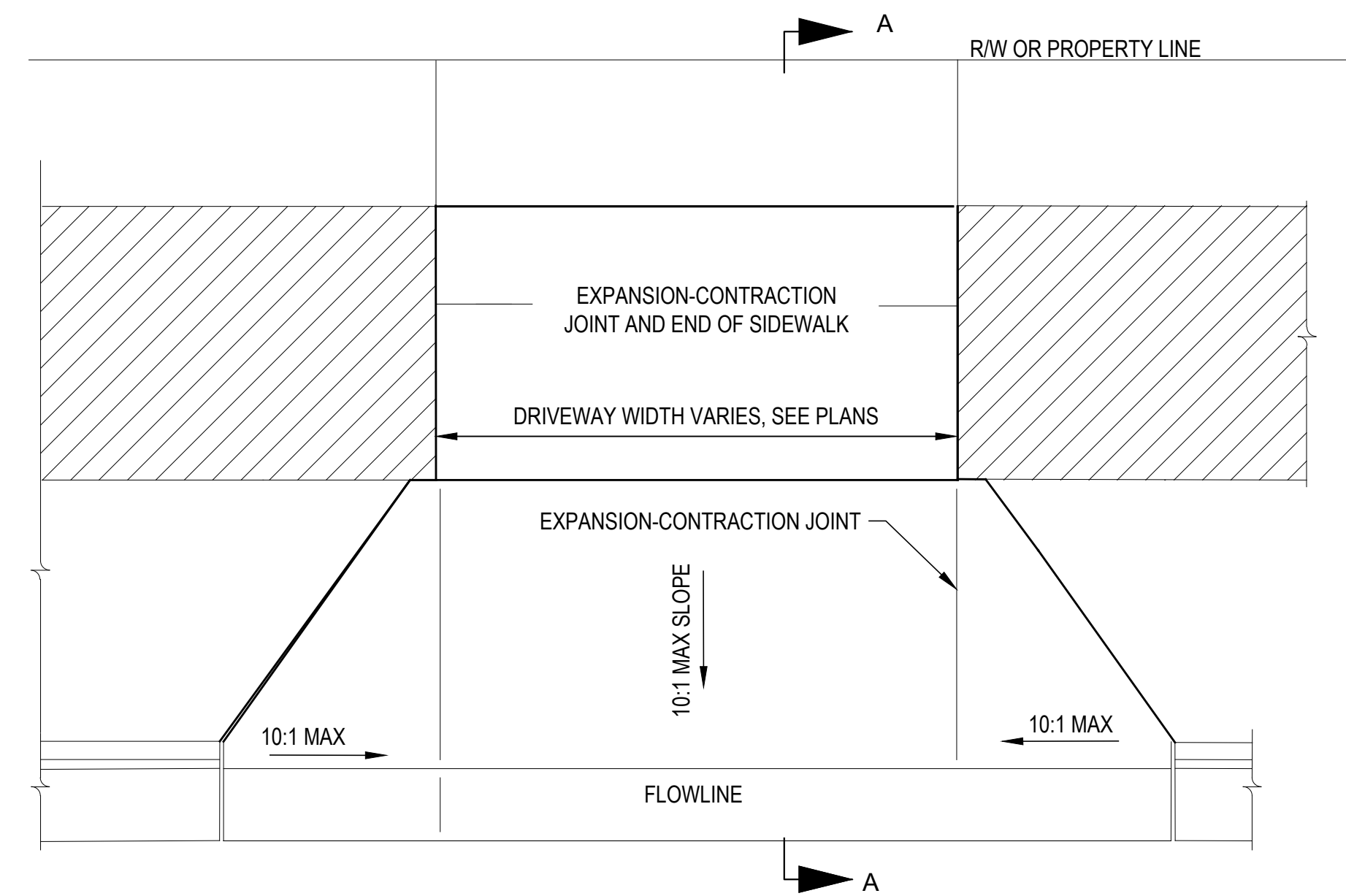
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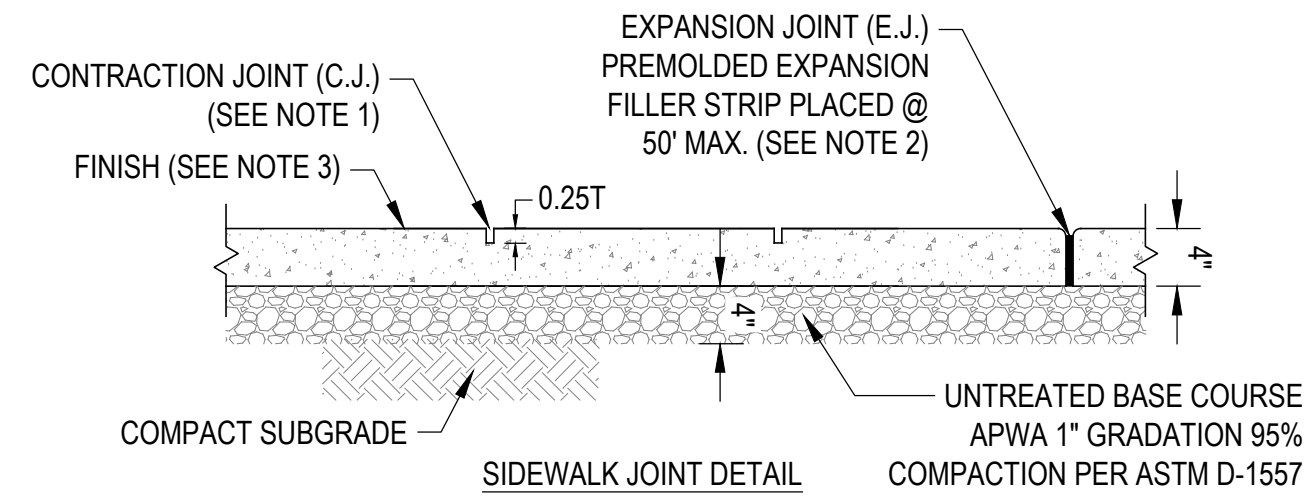
TYPICAL JOINT PATTERN



C ASPHALT SECTION - TYPE 2
CP501 / SCALE: NONE

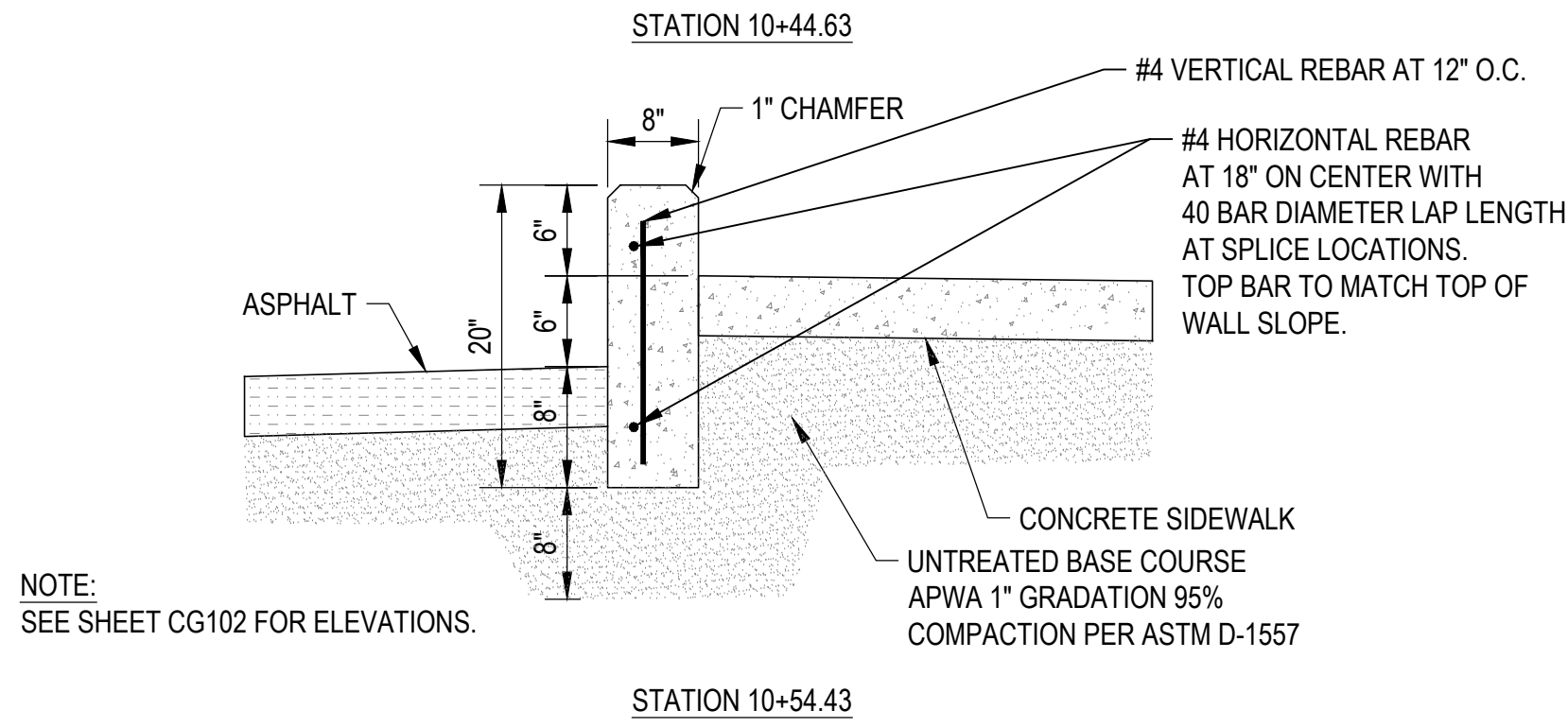
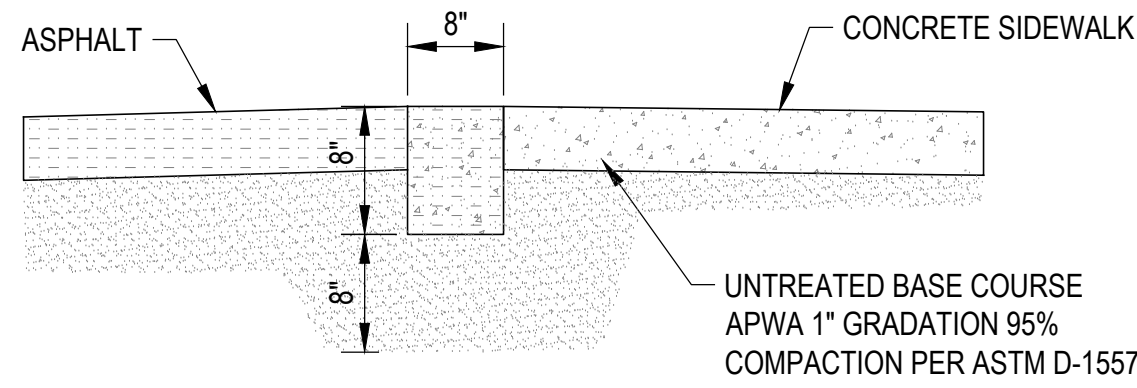


FLARED DRIVEWAY WITH PARKSTRIP

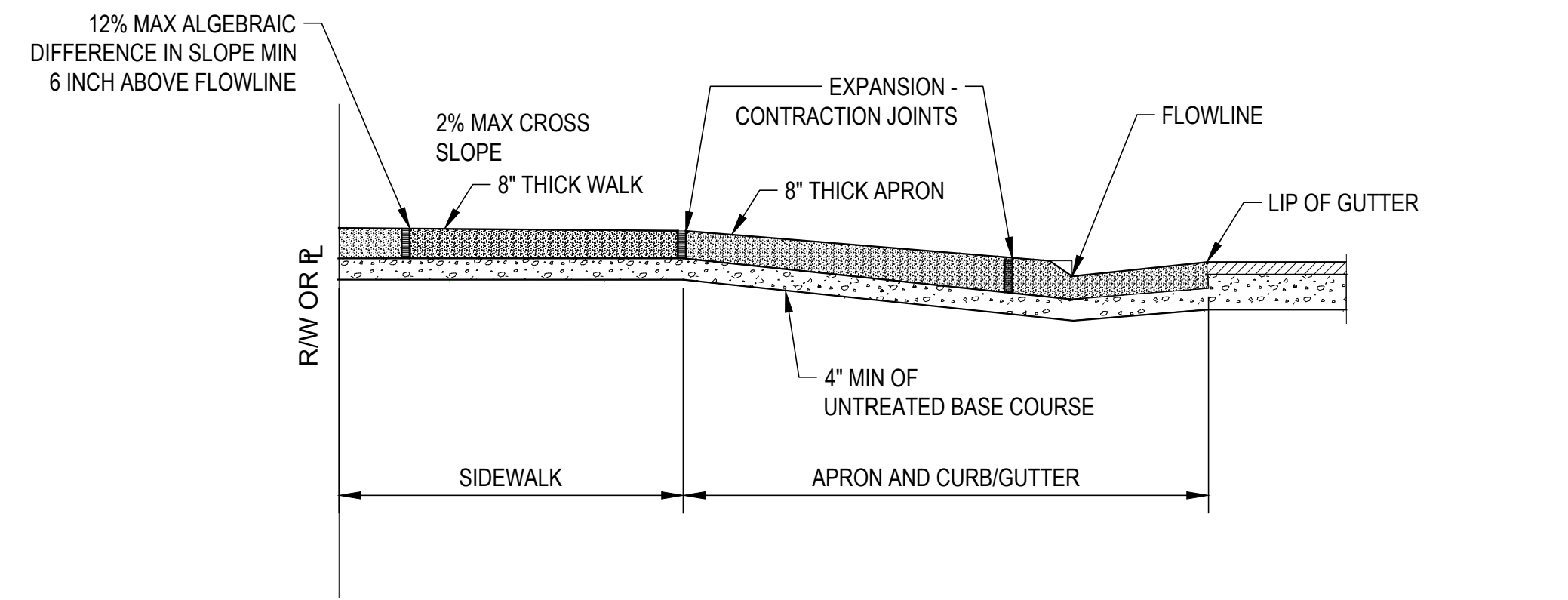


- NOTES:**
1. INSTALL CONTRACTION JOINTS VERTICAL, 1/8" WIDE OR 1/4 SLAB THICKNESS IF THE SLAB IS GREATER THAN 8" THICK. MAXIMUM LENGTH TO WIDTH RATIO FOR NON-SQUARE PANELS IS 1.5 TO 1. MAXIMUM PANEL LENGTH (IN FEET) IS 1.5 TIMES THE SLAB THICKNESS (IN INCHES).
 2. INSTALL EXPANSION JOINTS VERTICAL, FULL DEPTH, WITH TOP FILLER SET FLUSH WITH CONCRETE SURFACE.
 3. PROVIDE 1/2" RADIUS EDGES. APPLY BROOM FINISH. APPLY A CURING AGENT.
 4. SEE APWA PLAN NO. 231.

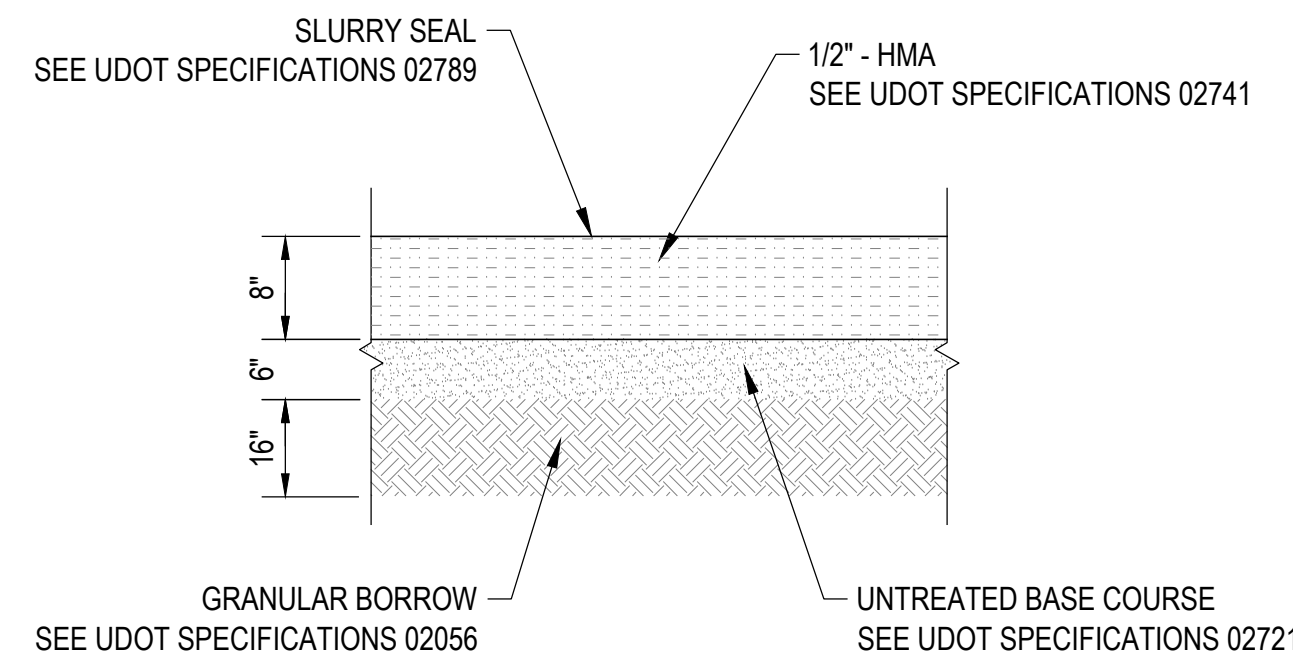
A SIDEWALK DETAIL
CP501 / SCALE: NONE



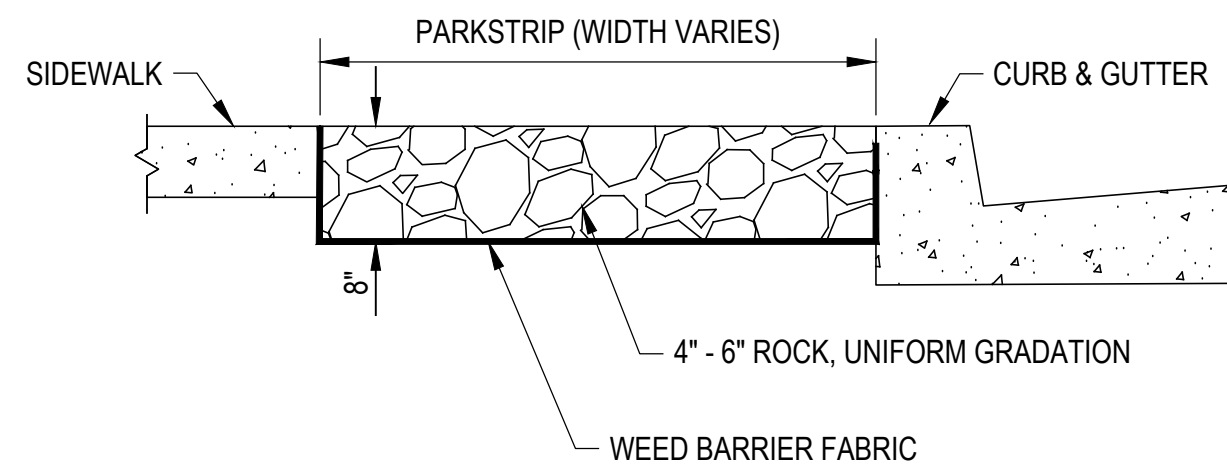
D CONCRETE CURB TRANSITION DETAIL
CP501 / SCALE: NONE



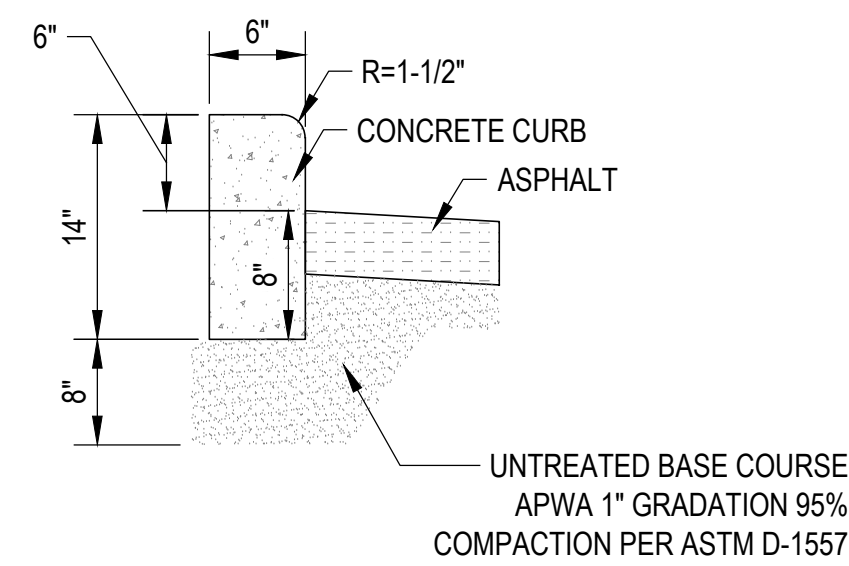
SECTION A-A



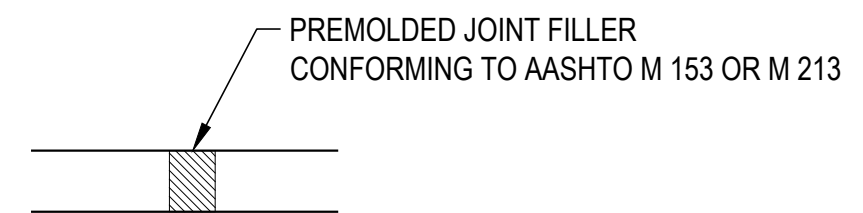
B ASPHALT SECTION - TYPE 1
CP501 / SCALE: NONE



E DECORATIVE ROCK PARKSTRIP DETAIL
CP501 / SCALE: NONE



G CONCRETE CURB DETAIL
CP501 / SCALE: NONE



EXPANSION-CONTRACTION JOINT DETAIL

F DRIVEWAY DETAILS
CP501 / SCALE: NONE

100%

NO.	DESCRIPTION	DATE

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PRINCIPAL
D. EYRE

PROJECT MANAGER
M. COLLIER

CHECKED BY
M. COLLIER

DRAWN BY
T. BASS

DRAWING SCALE
NONE

ISSUE DATE
DECEMBER 21, 2018

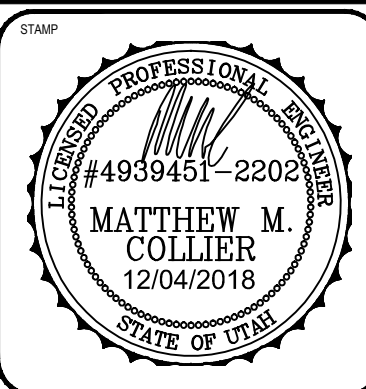
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LOGAN CITY
SOUTH MAIN STREET SIDEWALK CONNECTION DESIGN
CIVIL PAVING & SITE DETAILS

LOGAN, UTAH

SOUTH MAIN STREET

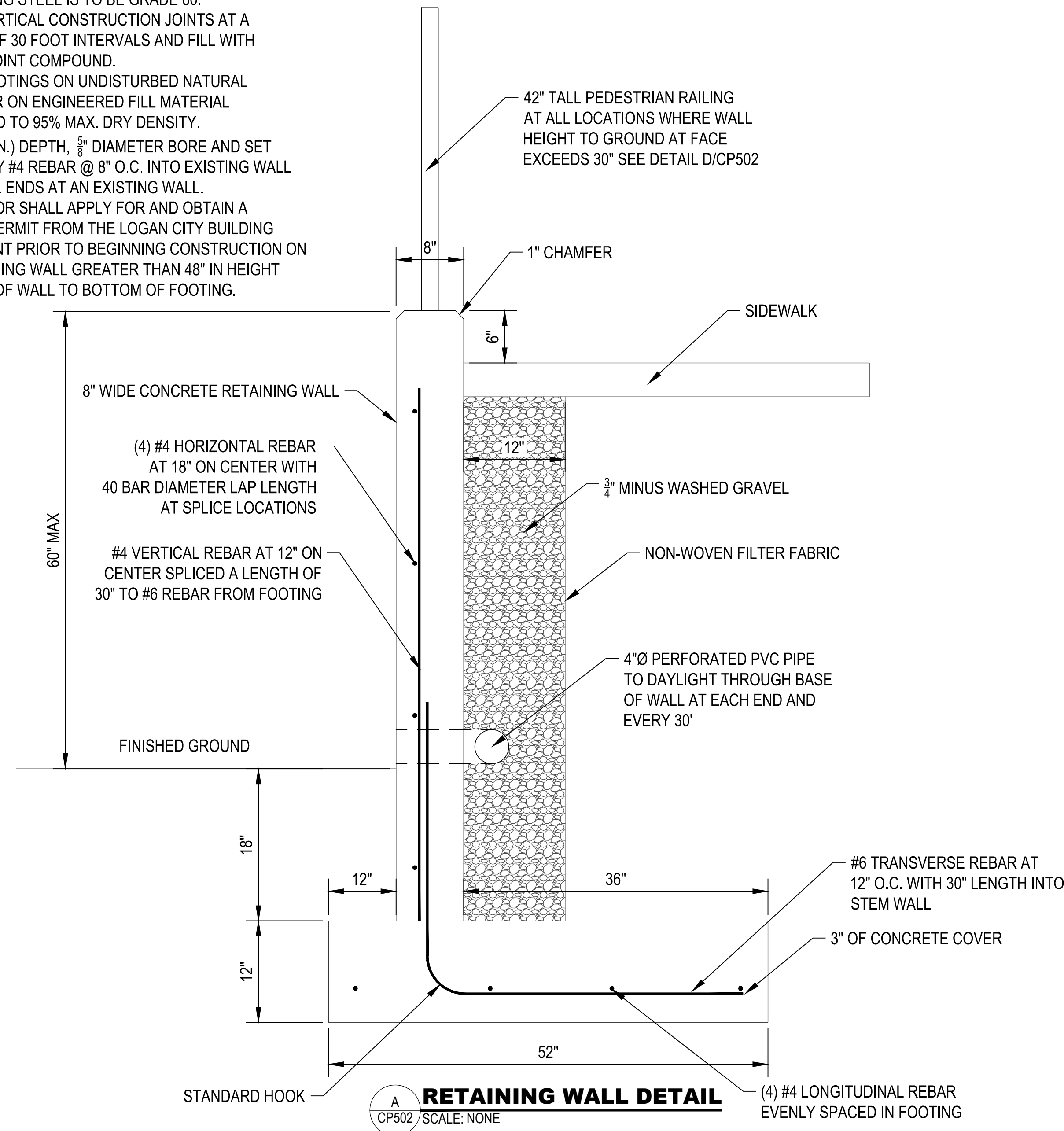


PROJECT NUMBER 16103F	SHEET 17	OF 29
SHEET NUMBER CP501		

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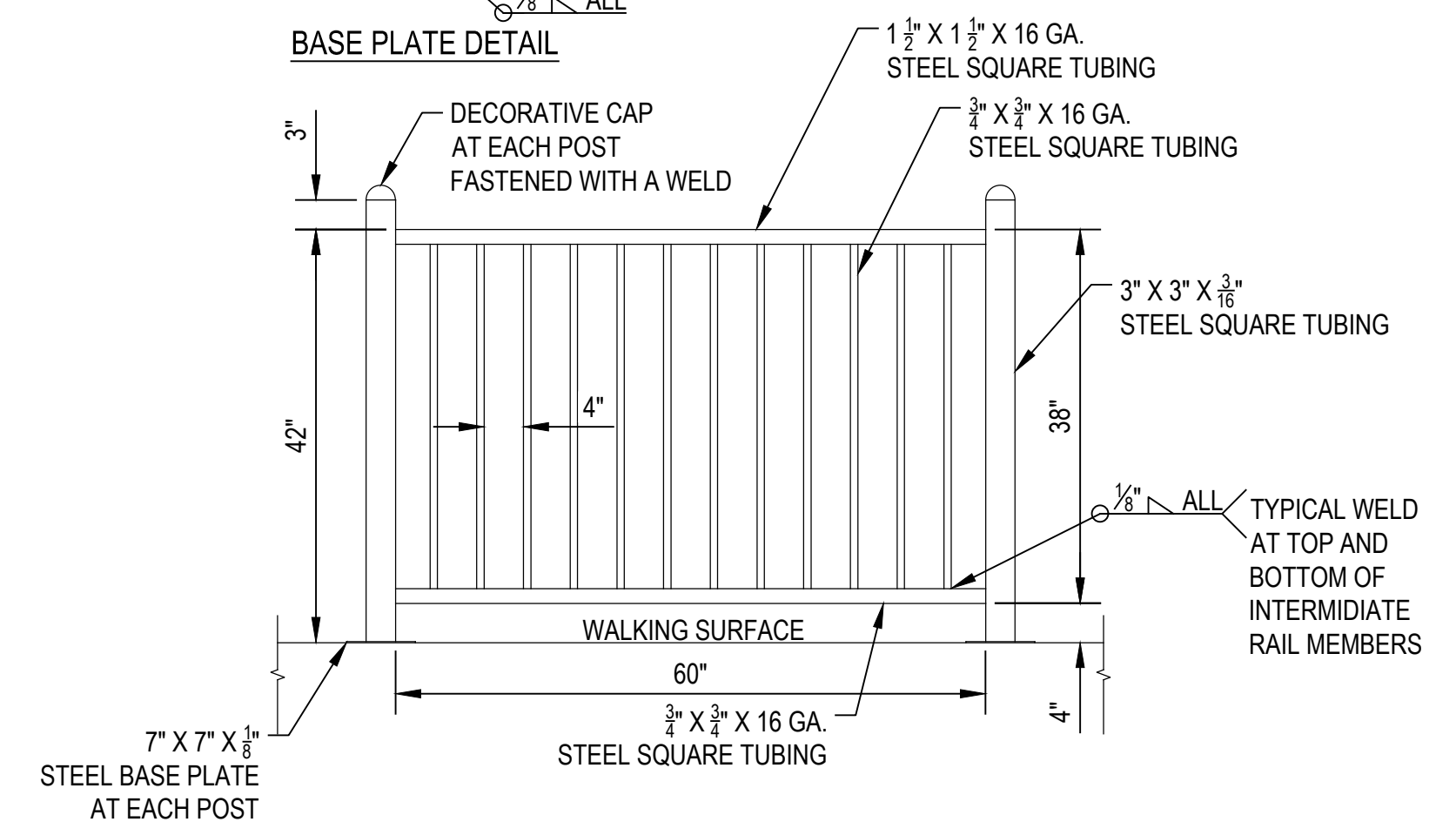
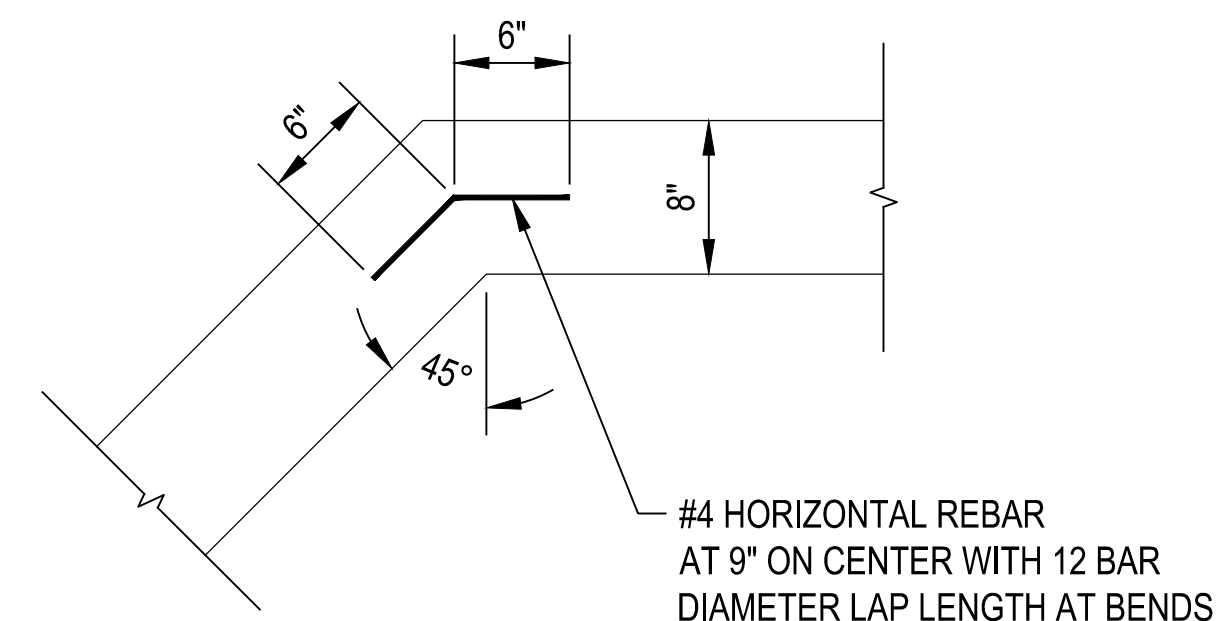
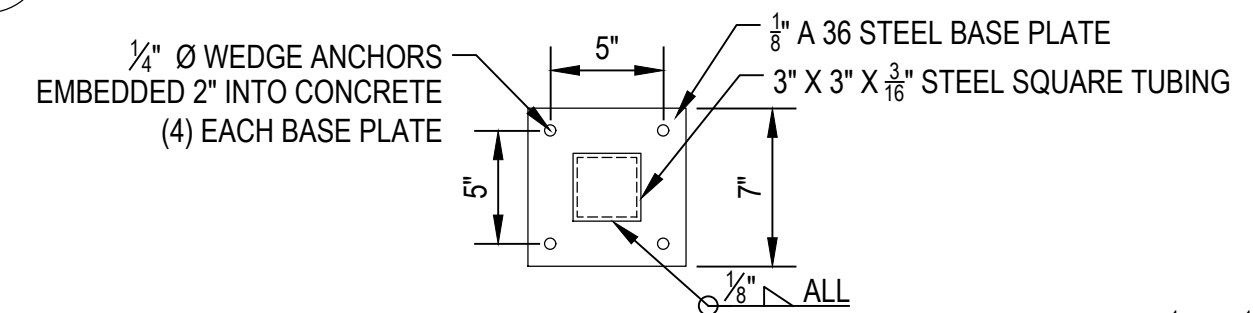
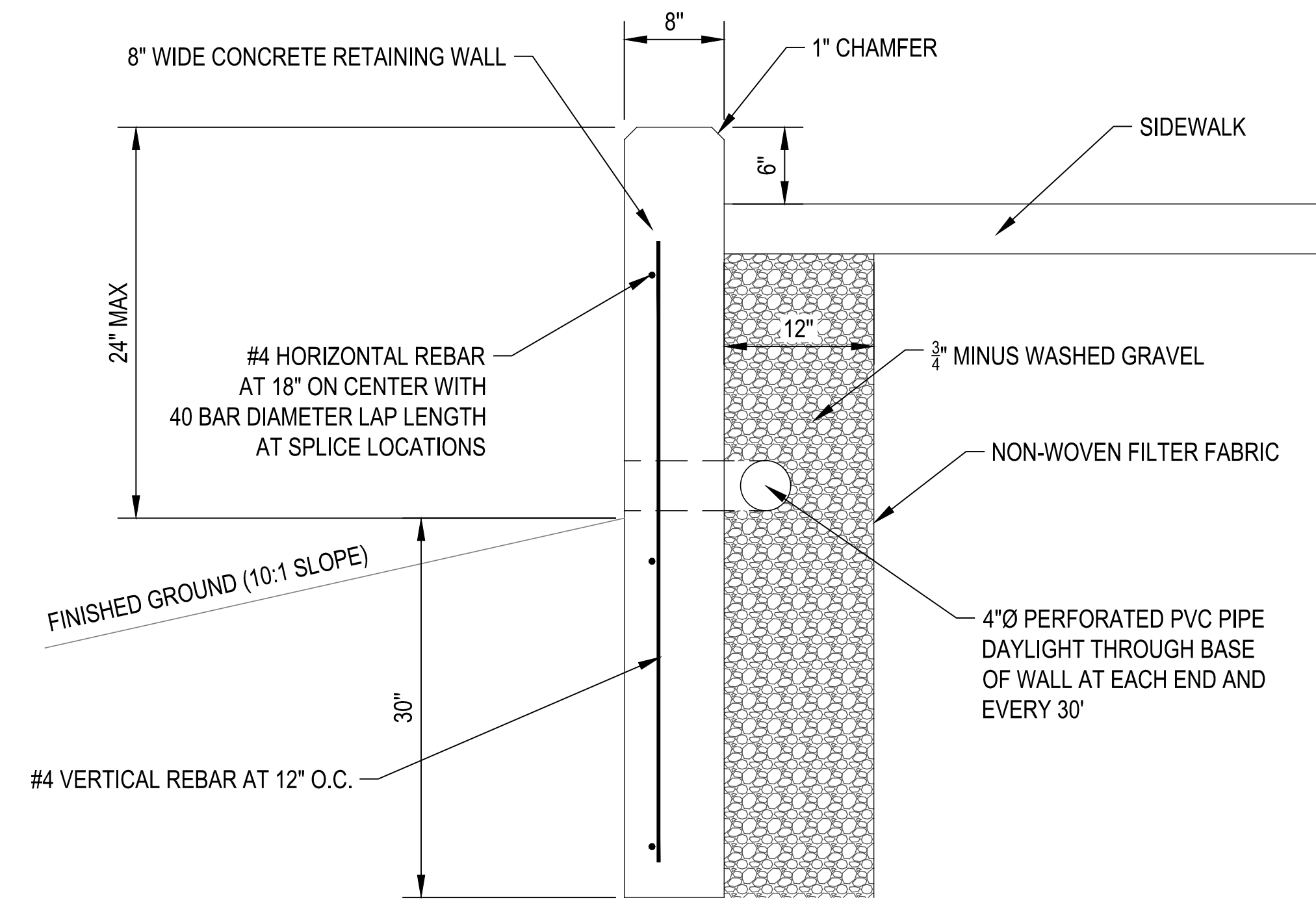
NOTES:

1. CONCRETE IS TO REACH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
2. REINFORCING STEEL IS TO BE GRADE 60.
3. INSTALL VERTICAL CONSTRUCTION JOINTS AT A MAXIMUM OF 30 FOOT INTERVALS AND FILL WITH FLEXIBLE JOINT COMPOUND.
4. INSTALL FOOTINGS ON UNDISTURBED NATURAL GROUND OR ON ENGINEERED FILL MATERIAL COMPACTED TO 95% MAX. DRY DENSITY.
5. DRILL 4" (MIN.) DEPTH, $\frac{5}{8}$ " DIAMETER BORE AND SET WITH EPOXY #4 REBAR @ 8" O.C. INTO EXISTING WALL WHEN WALL ENDS AT AN EXISTING WALL.
6. CONTRACTOR SHALL APPLY FOR AND OBTAIN A BUILDING PERMIT FROM THE LOGAN CITY BUILDING DEPARTMENT PRIOR TO BEGINNING CONSTRUCTION ON ANY RETAINING WALL GREATER THAN 48" IN HEIGHT FROM TOP OF WALL TO BOTTOM OF FOOTING.



NOTES:

1. CONCRETE IS TO REACH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
2. REINFORCING STEEL IS TO BE GRADE 60.
3. INSTALL VERTICAL CONSTRUCTION JOINTS AT A MAXIMUM OF 30 FOOT INTERVALS AND FILL WITH FLEXIBLE JOINT COMPOUND.
4. INSTALL FOOTINGS ON UNDISTURBED NATURAL GROUND OR ON ENGINEERED FILL MATERIAL COMPACTED TO 95% MAX. DRY DENSITY.



100%

NO.	DESCRIPTION	DATE

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PRINCIPAL
D. EYRE

PROJECT MANAGER
M. COLLIER

CHECKED BY
M. COLLIER

DRAWN BY
T. BASS

DRAWING SCALE
NONE

ISSUE DATE
DECEMBER 21, 2018

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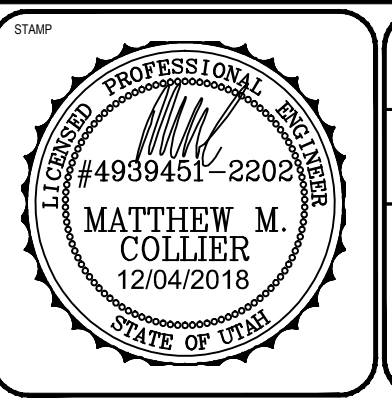
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LOGAN CITY
SOUTH MAIN STREET SIDEWALK CONNECTION DESIGN

CIVIL PAVING & SITE DETAILS

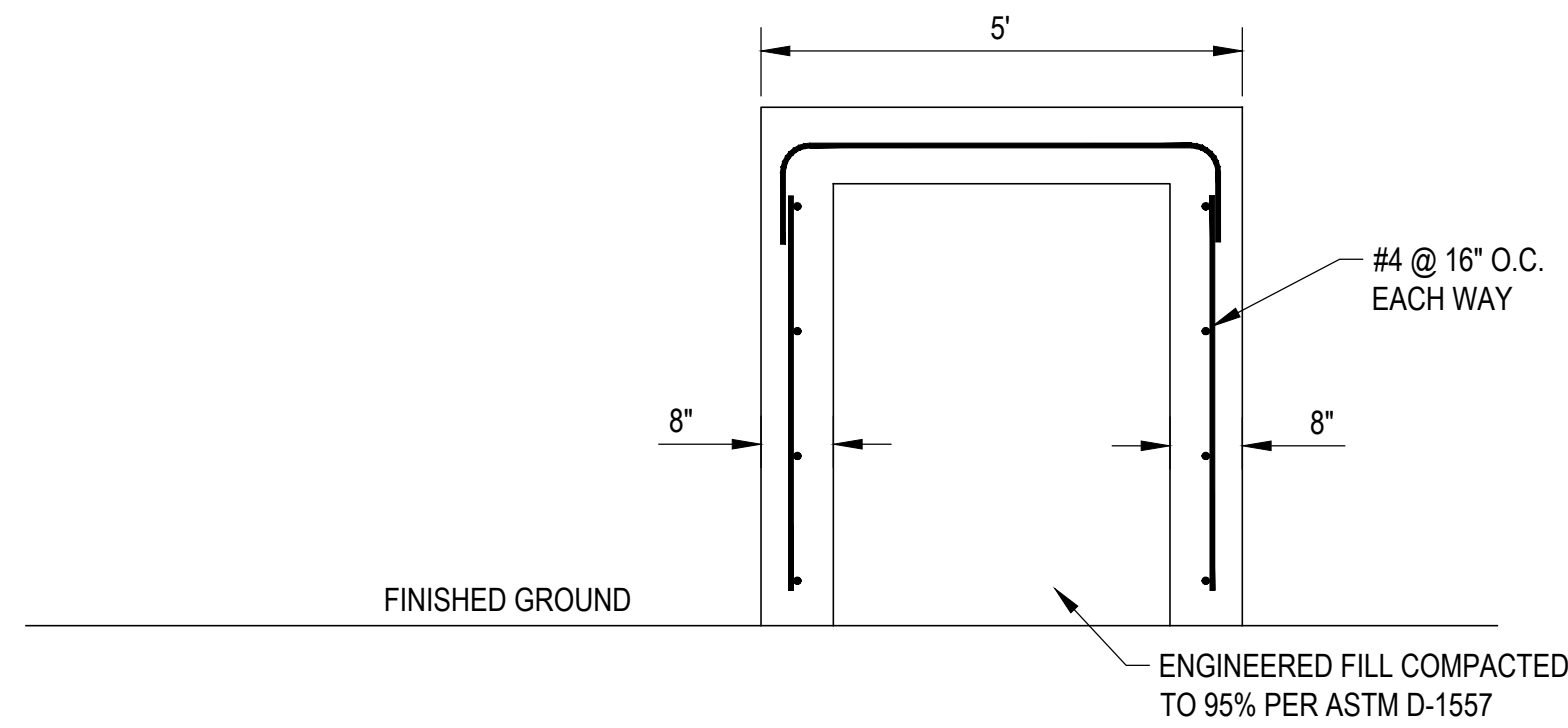
LOGAN, UTAH

SOUTH MAIN STREET

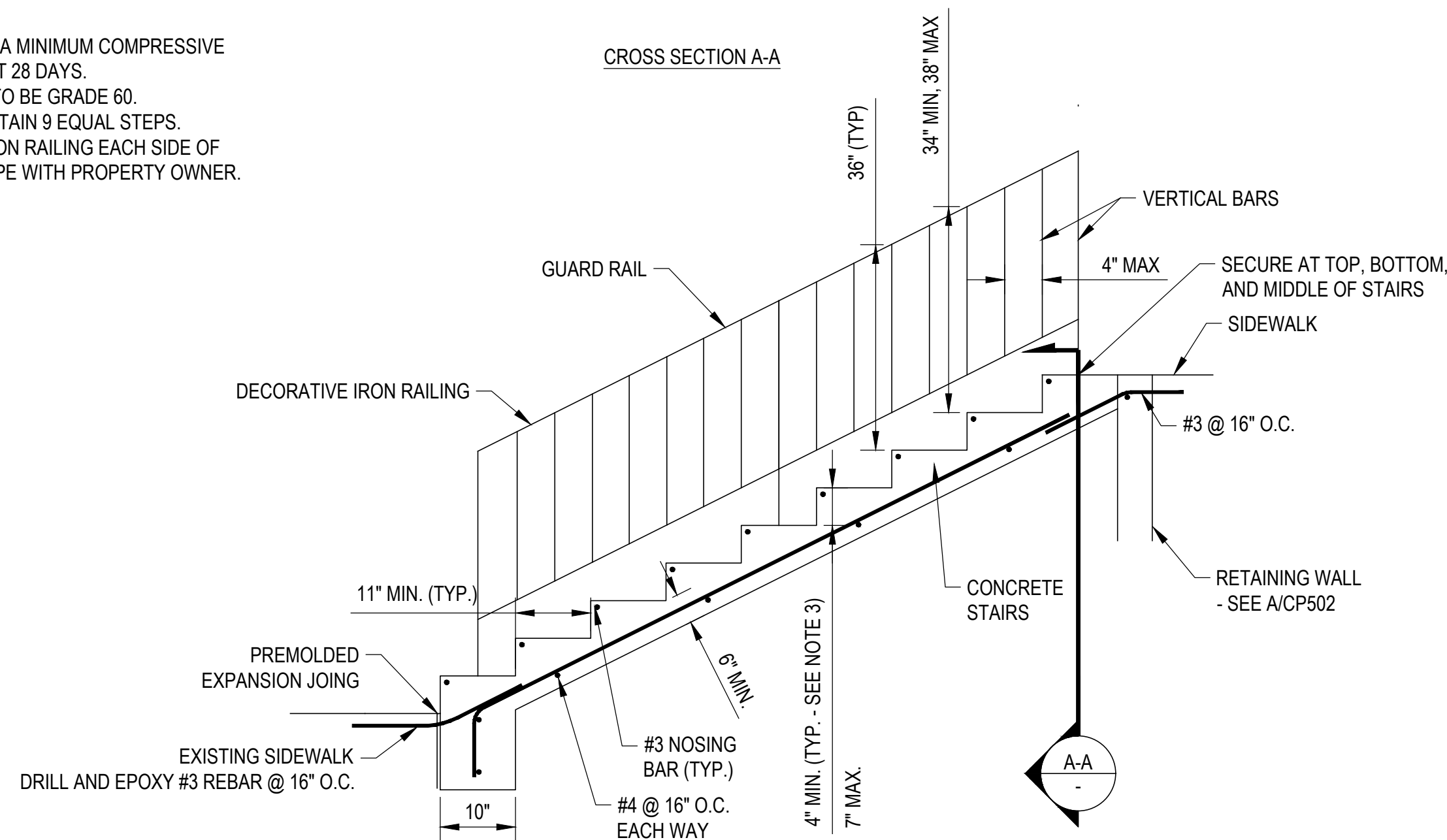


PROJECT NUMBER 16103F
SHEET 18 OF 29
SHEET NUMBER CP502

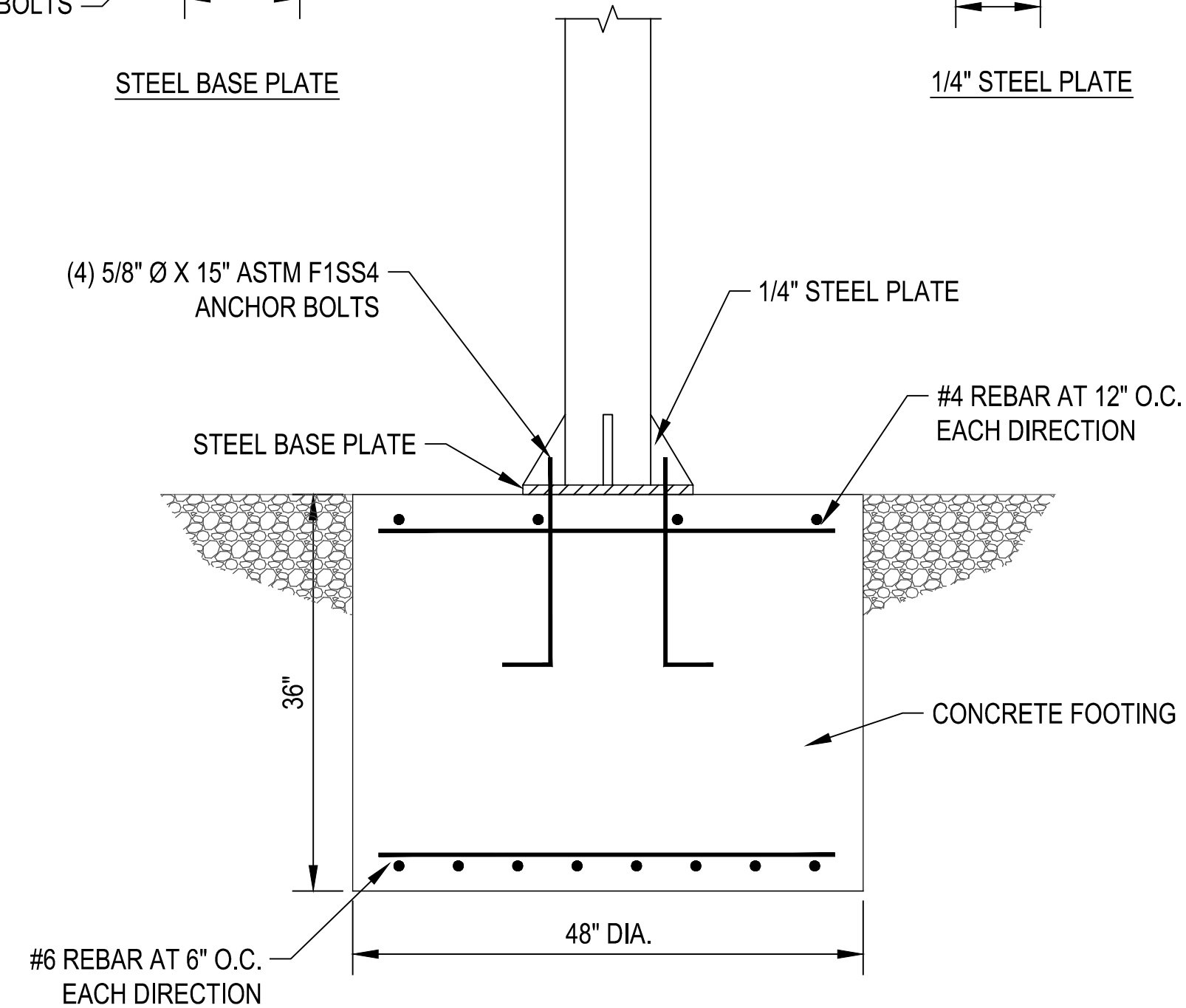
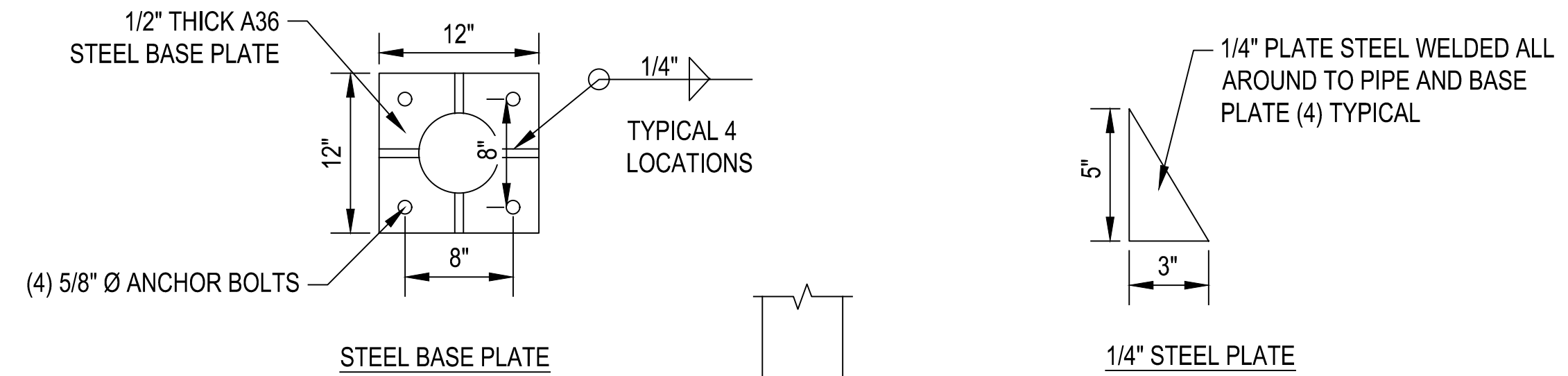
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- NOTES:**
1. CONCRETE IS TO REACH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
 2. REINFORCING STEEL IS TO BE GRADE 60.
 3. USE STEP HEIGHT TO OBTAIN 9 EQUAL STEPS.
 4. INSTALL DECORATIVE IRON RAILING EACH SIDE OF STAIRS, COORDINATE TYPE WITH PROPERTY OWNER.



A CONCRETE STAIRS DETAIL
CP503 / SCALE: NONE



- NOTE:**
1. CONCRETE IS TO REACH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
 2. REINFORCING STEEL IS TO BE GRADE 60.
 3. INSTALL FOOTINGS ON UNDISTURBED NATURAL GROUND OR ON ENGINEERED FILL MATERIAL COMPACTED TO 95% MAX. DRY DENSITY.

B RELOCATE LARGE BUSINESS SIGN FOUNDATION DETAIL
CP503 / SCALE: NONE

100%

NO.	DESCRIPTION	DATE

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PRINCIPAL
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PROJECT MANAGER
M. COLLIER

CHECKED BY
M. COLLIER

DRAWN BY
T. BASS

DRAWING SCALE
SEE SCALE BAR

ISSUE DATE
DECEMBER 21, 2018

CALDWELL RICHARDS SORENSEN

ANSWERS TO INFRASTRUCTURE

FARMINGTON OFFICE:

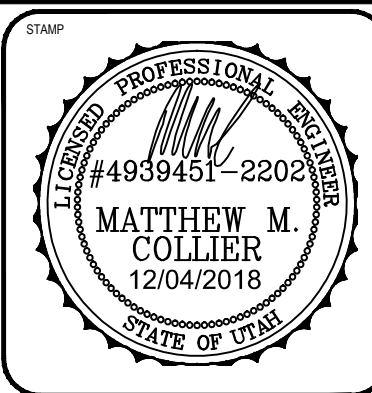
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NONE
SOUTH MAIN STREET SIDEWALK CONNECTION DESIGN

CIVIL PAVING & SITE DETAILS

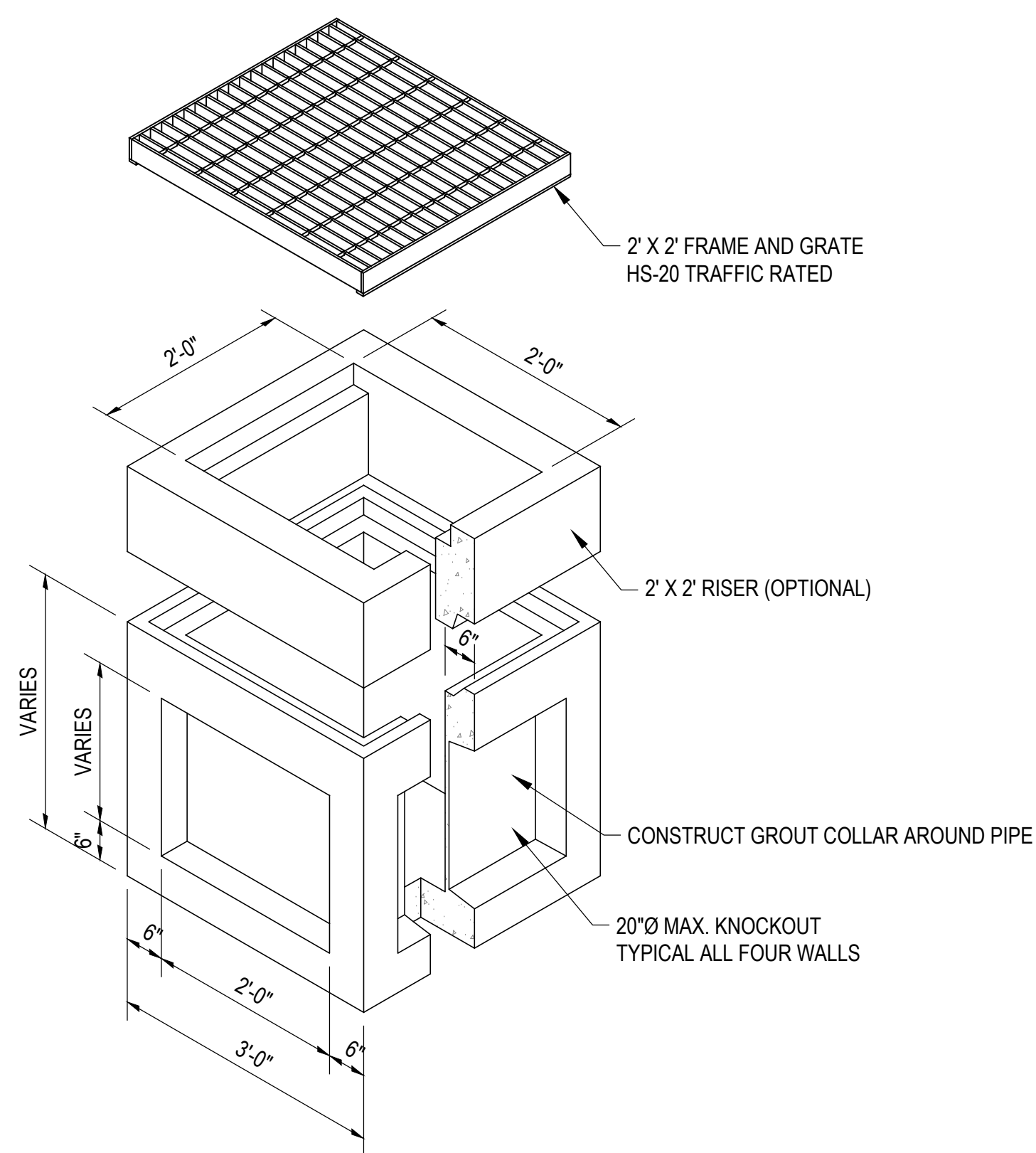
LOGAN, UTAH



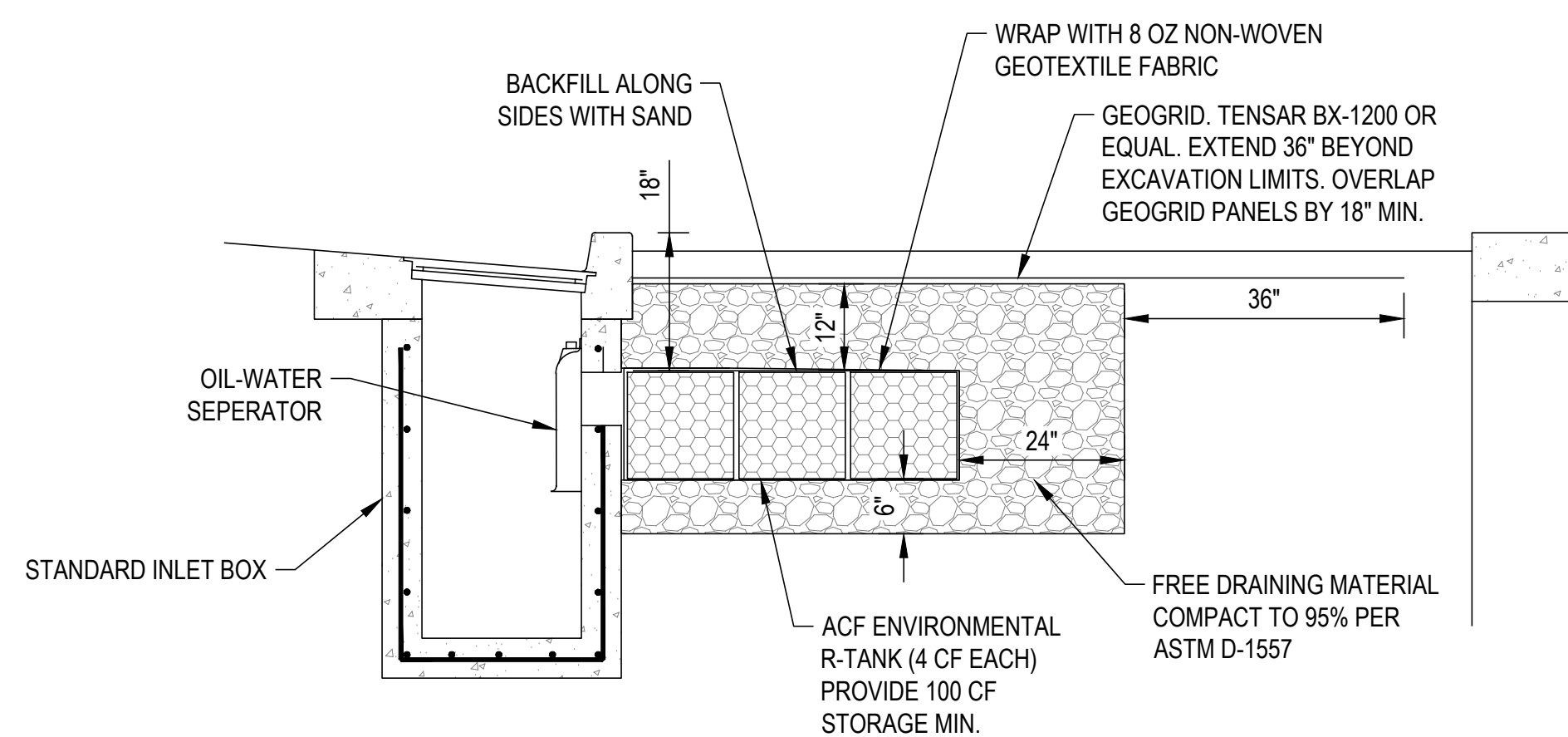
PROJECT NUMBER
16103F

SHEET
19 OF **29**

SHEET NUMBER
CP503



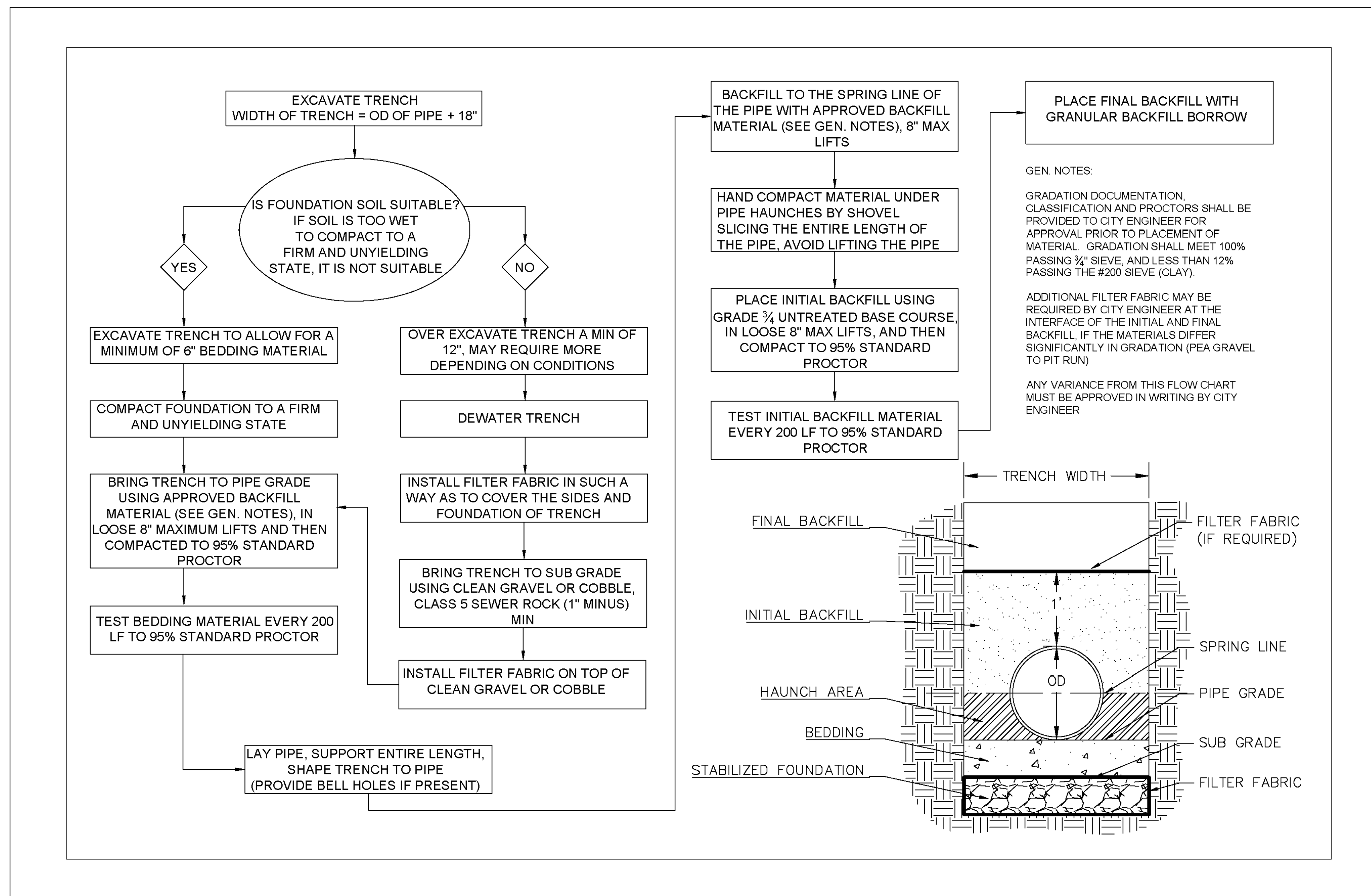
A 2' X 2' CONCRETE CATCH BASIN DETAIL
CP504 / SCALE: NONE



STATION	OFFSET	STORAGE (CU. FT.)
9+14.84	52.24 LT	400
9+93.61	33.50 RT	300
10+83.07	53.22 LT	550
12+18.05	34.93 RT	200

C CURB INLET AND DRAINAGE BOX
CP504 / SCALE: NONE

NOTE:
THE SPECIFIED R-TANK UNITS ARE FOR LIGHT DUTY AND ARE TO BE LOCATED IN THE PARK STRIP AREA. REFER TO AND FOLLOW R-TANK SPECIFICATIONS FOR INSTALLATION. R-TANK UNITS MAY BE PLACED SIDE BY SIDE OR STACKED TO OBTAIN SPECIFIED STORAGE VOLUME. CONTRACTOR TO OBTAIN APPROVAL FROM OWNER OR ENGINEER REGARDING CONFIGURATION OF R-TANK UNITS. SPECIFIED VOLUME TO BE MEASURED BY OUTSIDE DIMENSIONS AND OF R-TANK UNITS AND VERIFIED BY OWNER OR ENGINEER PRIOR TO BACKFILLING.



B LOGAN CITY STORM DRAIN TYPICAL TRENCH DETAIL
CP504 / SCALE: NONE

GEN NOTES:
GRADATION DOCUMENTATION, CLASSIFICATION AND PROCTORS SHALL BE PROVIDED TO CITY ENGINEER FOR APPROVAL PRIOR TO PLACEMENT OF MATERIAL. GRADATION SHALL MEET 100% PASSING 3/4" SIEVE, AND LESS THAN 12% PASSING THE #200 SIEVE (CLAY).
ADDITIONAL FILTER FABRIC MAY BE REQUIRED BY CITY ENGINEER AT THE INTERFACE OF THE INITIAL AND FINAL BACKFILL, IF THE MATERIALS DIFFER SIGNIFICANTLY IN GRADATION (PEA GRAVEL TO PIT RUN)
ANY VARIANCE FROM THIS FLOW CHART MUST BE APPROVED IN WRITING BY CITY ENGINEER

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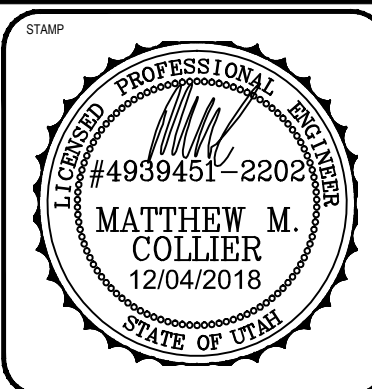
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PRINCIPAL
D. EYRE
PROJECT MANAGER
M. COLLIER
CHECKED BY
M. COLLIER
DRAWN BY
T. BASS
DRAWING SCALE
NONE
ISSUE DATE
DECEMBER 21, 2018

CRS CALDWELL RICHARDS SORENSEN
ANSWERS TO INFRASTRUCTURE

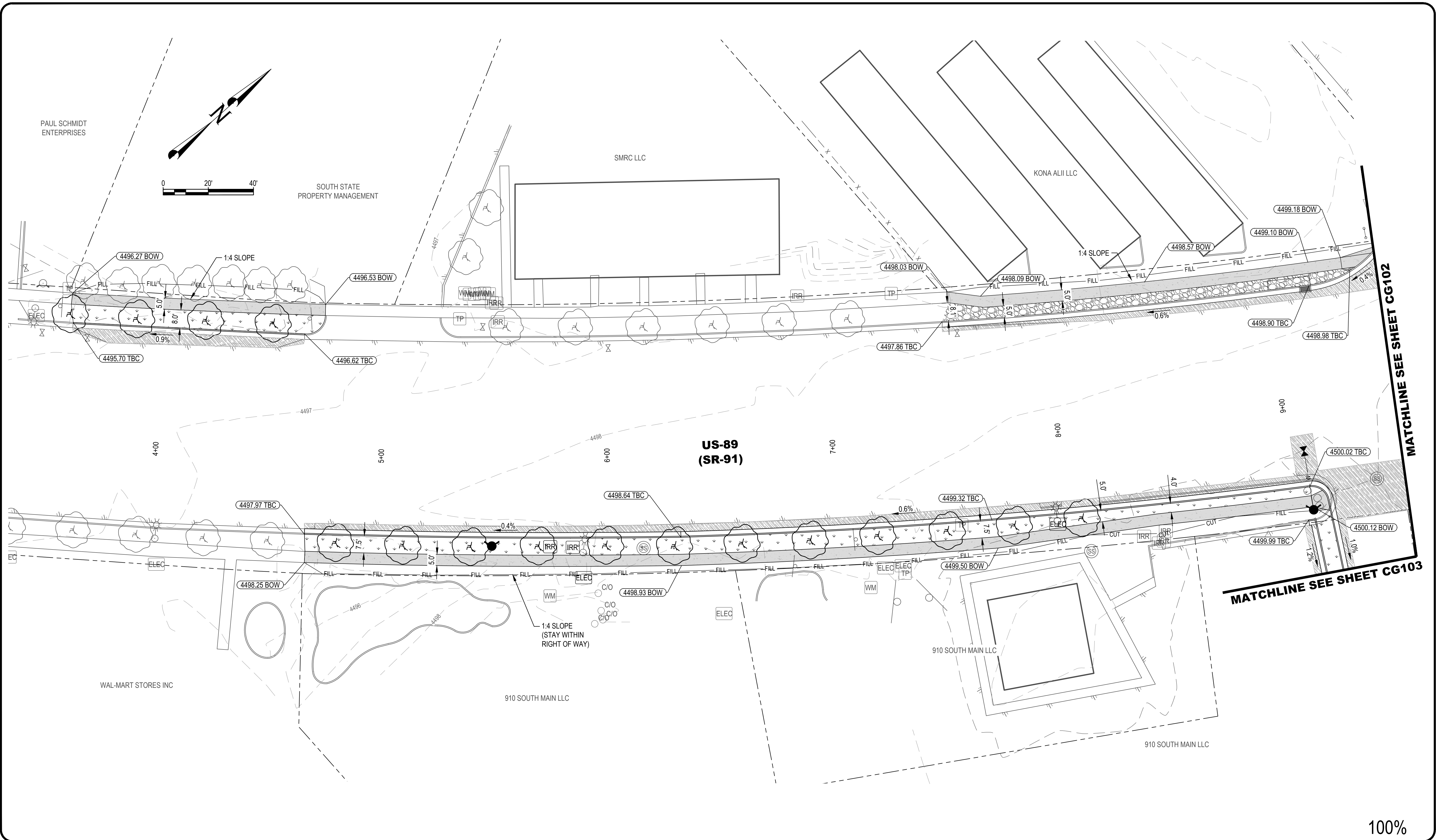
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LOGAN CITY
SOUTH MAIN STREET SIDEWALK CONNECTION DESIGN
CIVIL PAVING & SITE DETAILS
LOGAN, UTAH
SOUTH MAIN STREET



PROJECT NUMBER	16103F
SHEET	20
OF	29
SHEET NUMBER	CP504

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PROJECT MANAGER
M. COLLIER

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M. COLLIER

DRAWN BY
T. BASS

DRAWING SCALE
SEE SCALE BAR

ISSUE DATE
DECEMBER 21, 2018

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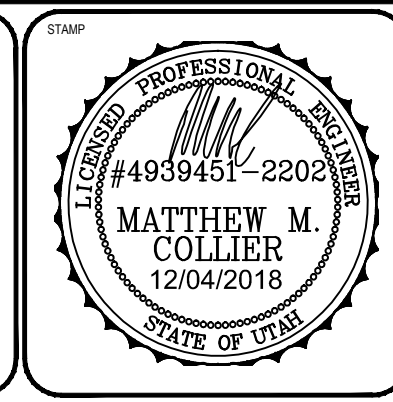
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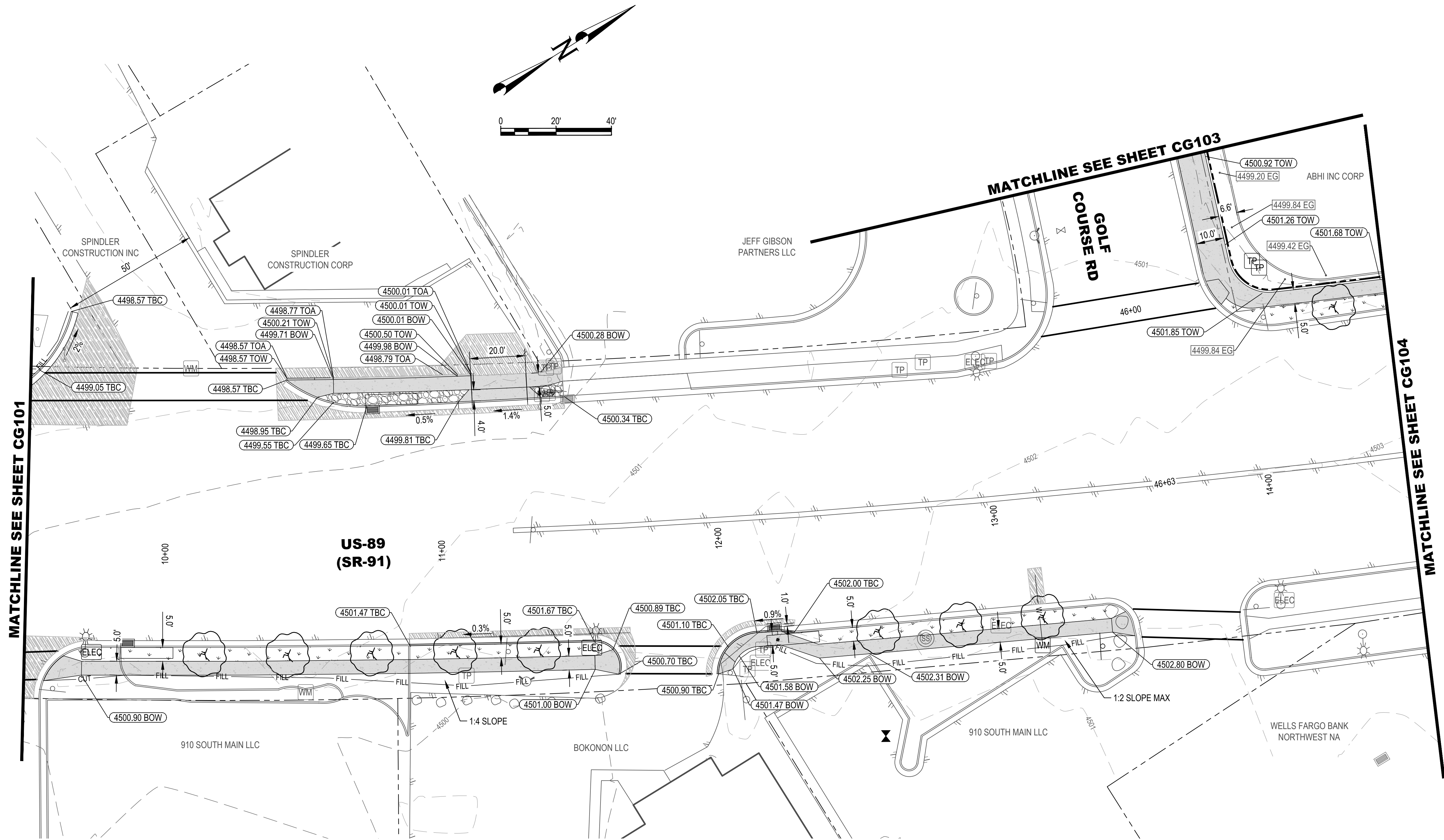
CIVIL GRADING PLAN

LOGAN, UTAHSOUTH MAIN STREET



PROJECT NUMBER 16103F
SHEET 21 OF 29
SHEET NUMBER CG101

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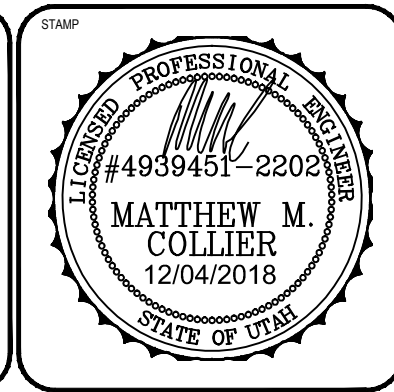
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CIVIL GRADING PLAN

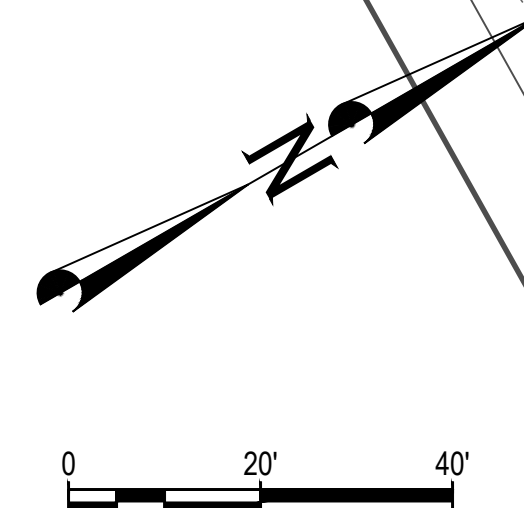
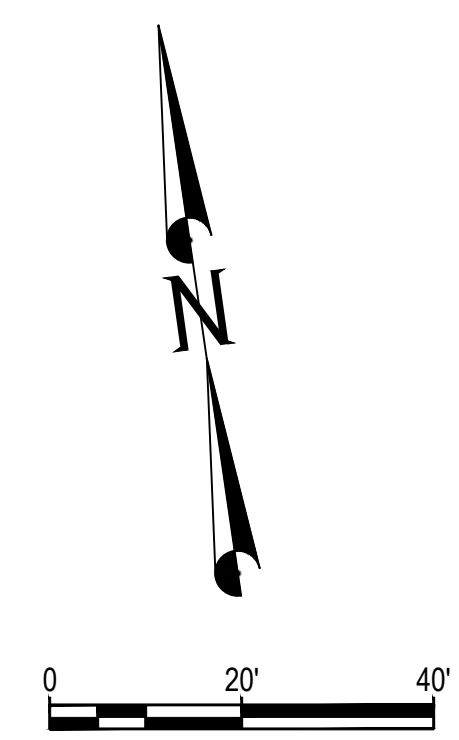
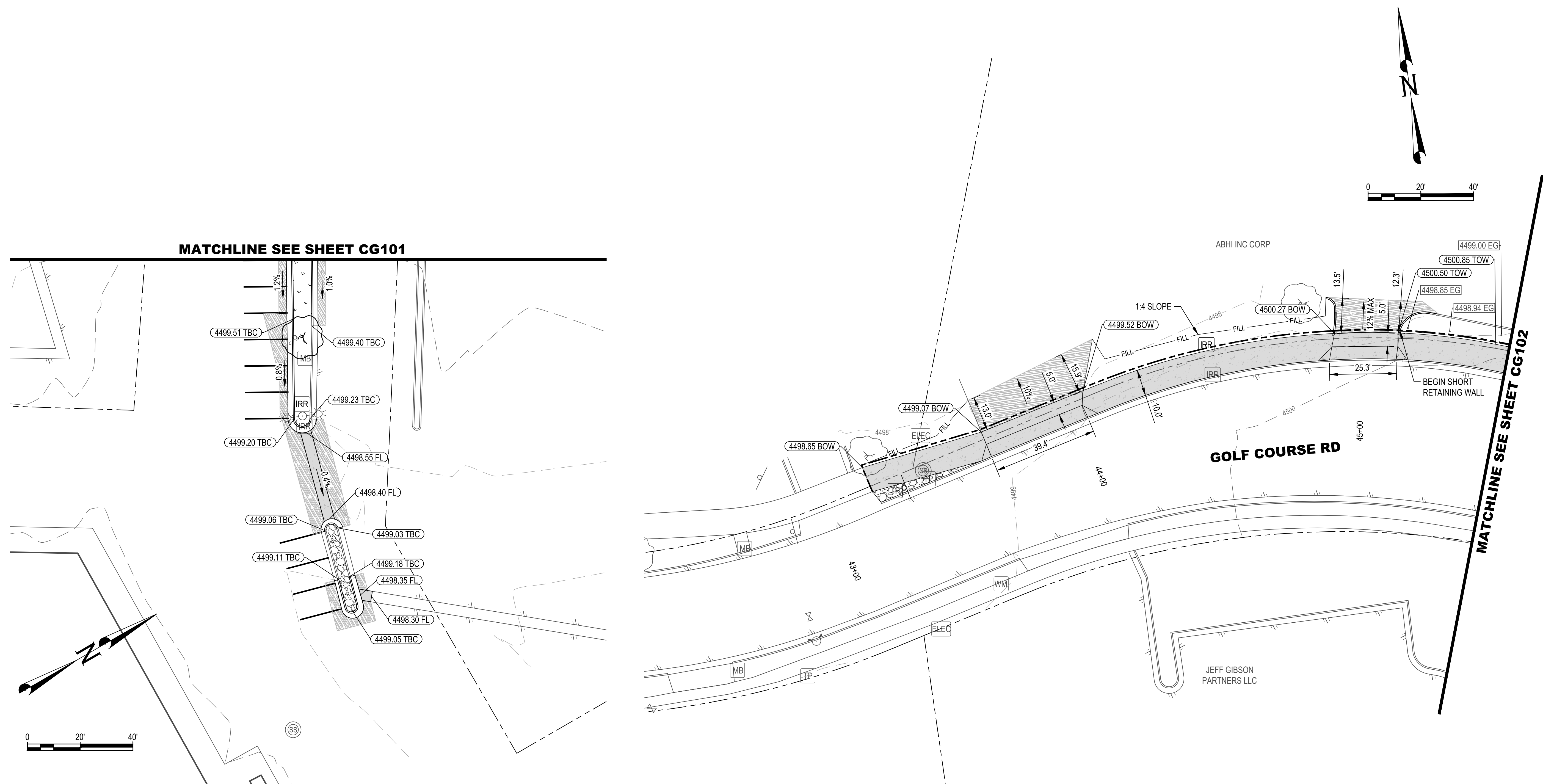
LOGAN, UTAH

SOUTH MAIN STREET



PROJECT NUMBER	16103F
SHEET	22
OF	29
SHEET NUMBER	CG102

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DRAWING SCALE
SEE SCALE BAR

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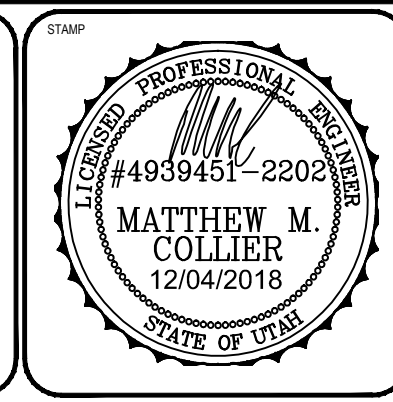
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CIVIL GRADING PLAN

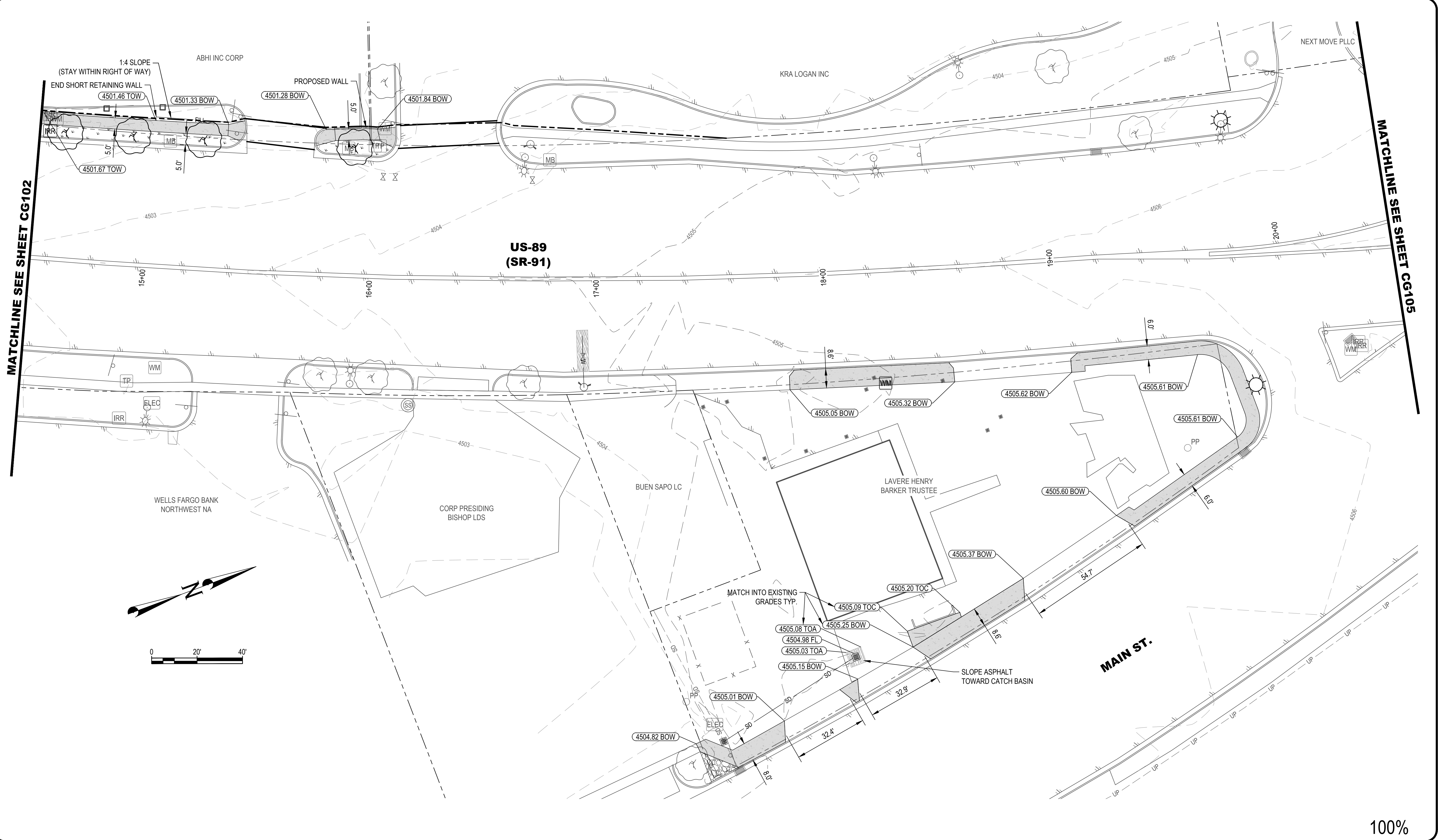
LOGAN, UTAH

SOUTH MAIN STREET



PROJECT NUMBER 16103F
SHEET 23 OF 29
SHEET NUMBER CG103

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PROJECT MANAGER
M. COLLIER

CHECKED BY
M. COLLIER

DRAWN BY
T. BASS

DRAWING SCALE
SEE SCALE BAR

ISSUE DATE
DECEMBER 21, 2018

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RICHARDS
SORENSEN**

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FARMINGTON OFFICE:

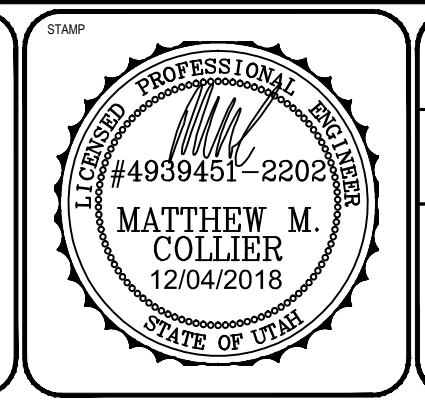
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CIVIL GRADING PLAN

LOGAN, UTAH

SOUTH MAIN STREET

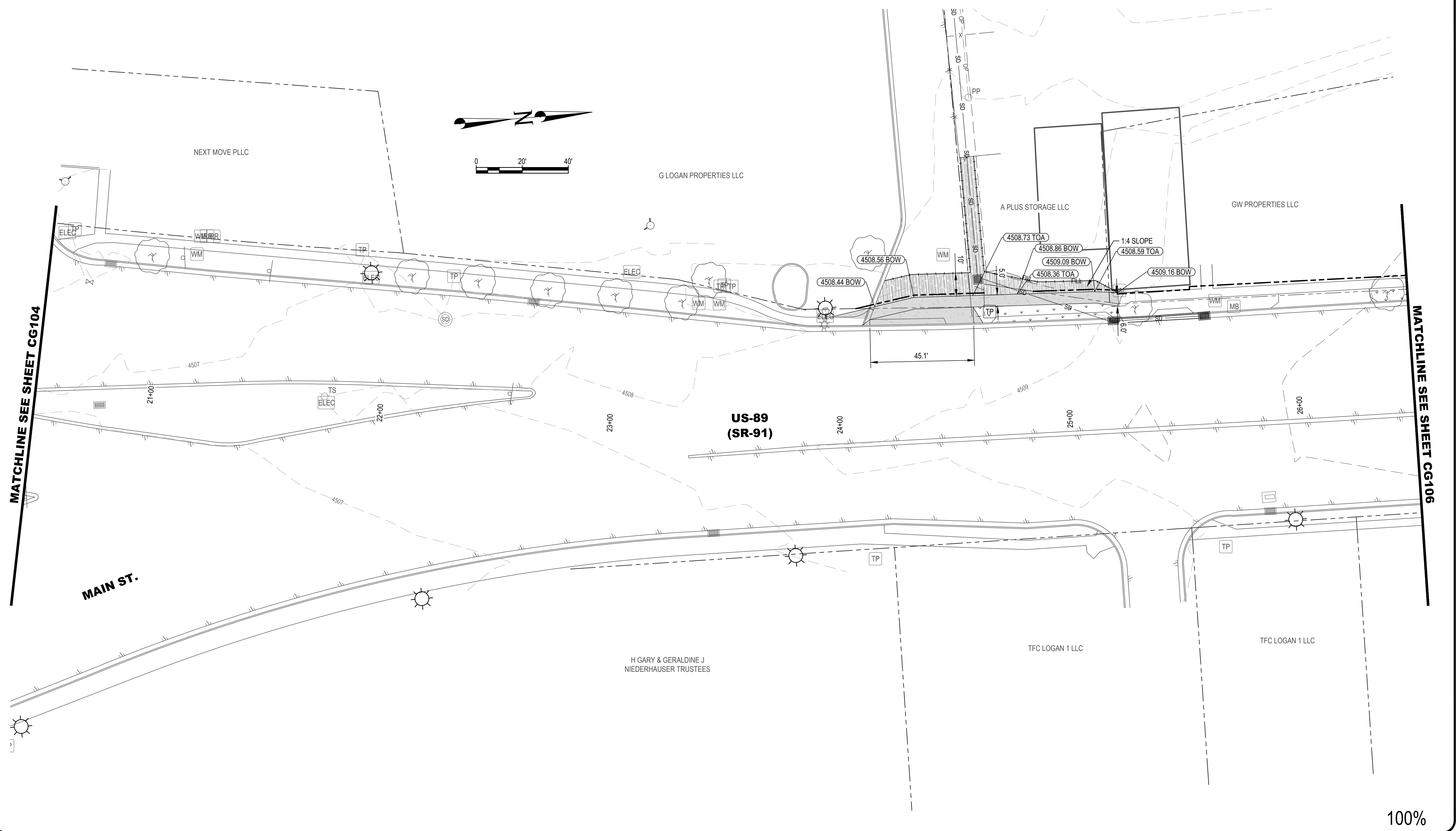


PROJECT NUMBER 16103F
SHEET 24 OF 29
SHEET NUMBER CG104

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MATCHLINE SEE SHEET CG104

MATCHLINE SEE SHEET CG106



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NO.	DATE	DESCRIPTION

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PROJECT MANAGER
M. COLLIER

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DRAWN BY
T. BASS

DRAWING SCALE
SEE SCALE BAR

ISSUE DATE
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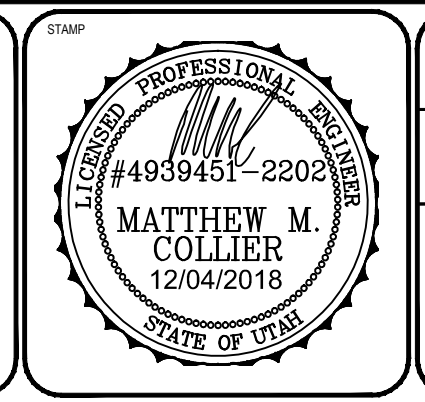
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LOGAN CITY
SOUTH MAIN STREET SIDEWALK CONNECTION DESIGN
CIVIL GRADING PLAN

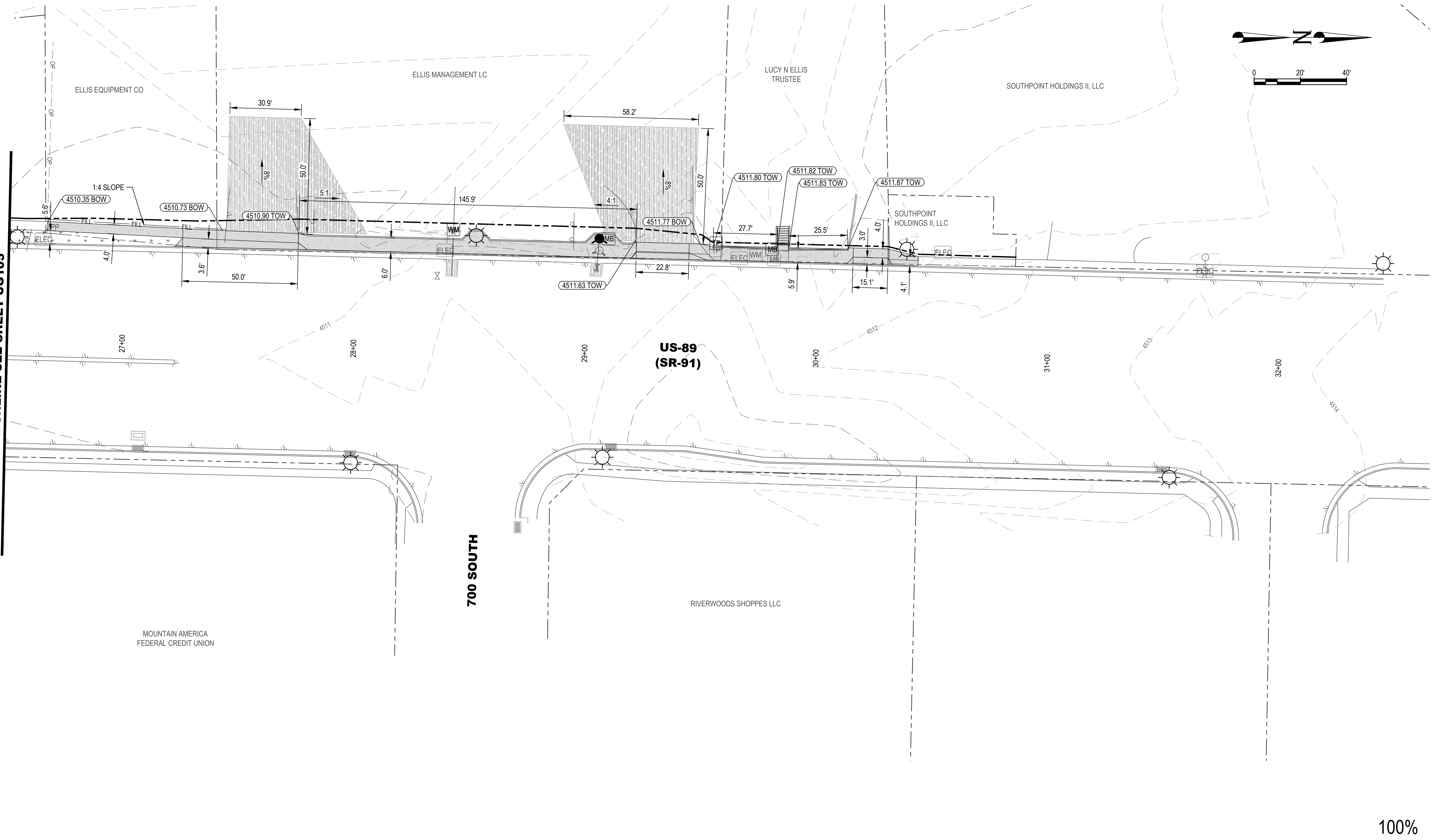
LOGAN, UTAHSOUTH MAIN STREET



PROJECT NUMBER 16103F	
SHEET 25	OF 29
SHEET NUMBER CG105	

File Path: P:\161031\logan city - south main street sidewalk\Drawings\XRC-C-DESIGN.dwg Dec 04, 2018 - 3:38pm

MATCHLINE SEE SHEET CG105



IF THE ABOVE SCALE BAR DOES NOT MEASURE 1-INCH IN LENGTH, DO NOT USE THIS DRAWING FOR SCALING PURPOSES. DIMENSIONS AND MEASUREMENTS SPECIFIED IN THE DRAWING TAKE PRECEDENCE TO SCALED MEASUREMENTS.

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PRINCIPAL
D. EYRE

PROJECT MANAGER
M. COLLIER

CHECKED BY
M. COLLIER

DRAWN BY
T. BASS

DRAWING SCALE
SEE SCALE BAR

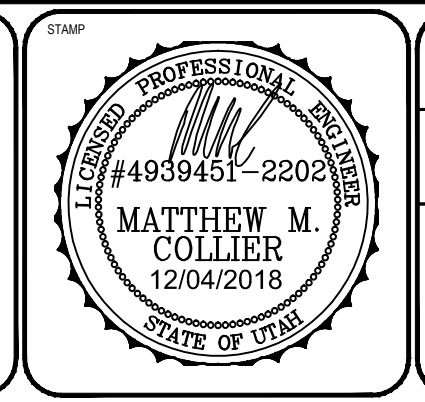
ISSUE DATE
DECEMBER 21, 2018

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ANSWERS TO INFRASTRUCTURE

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PHONE: 801 .939 .5565
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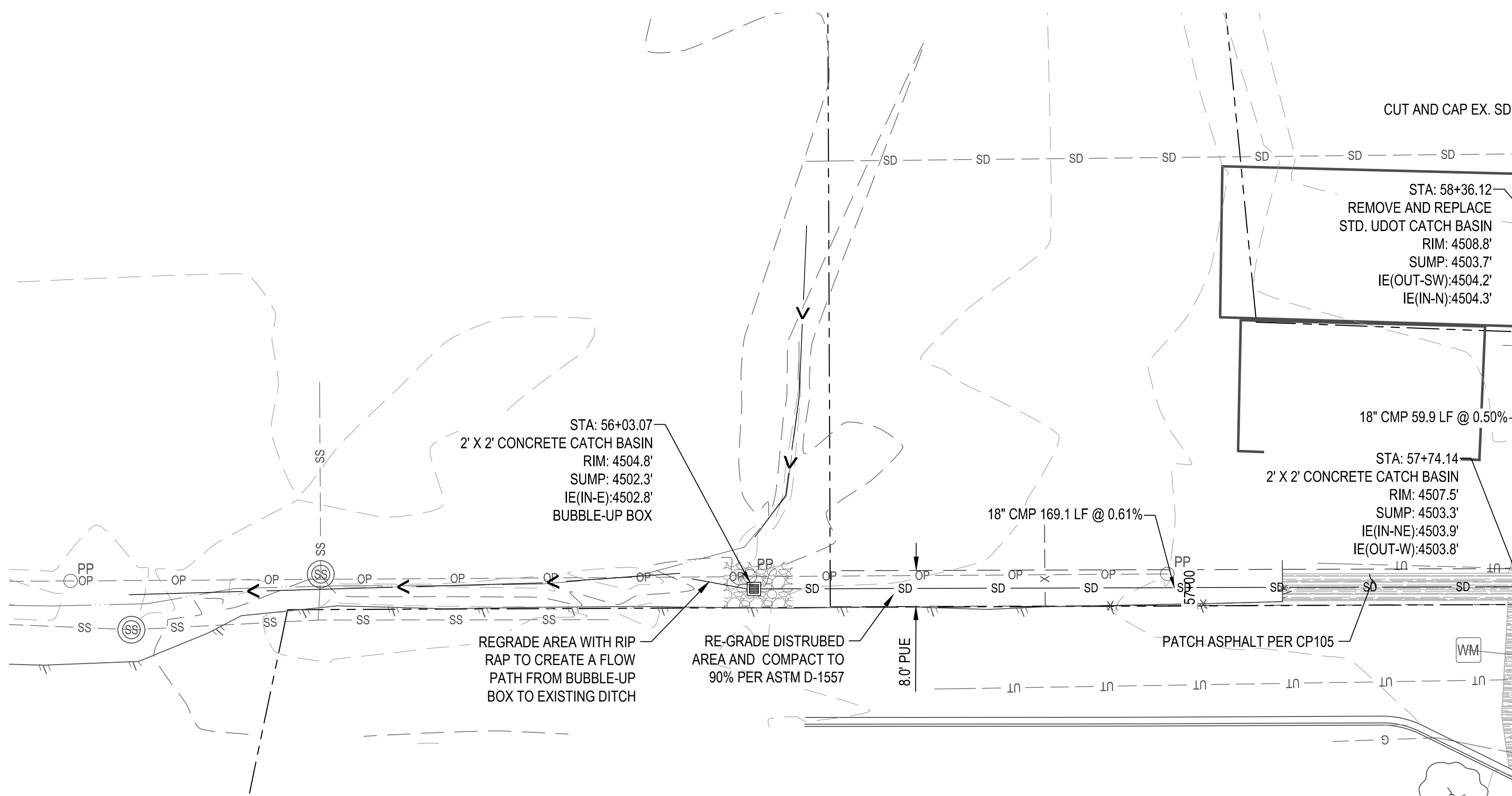
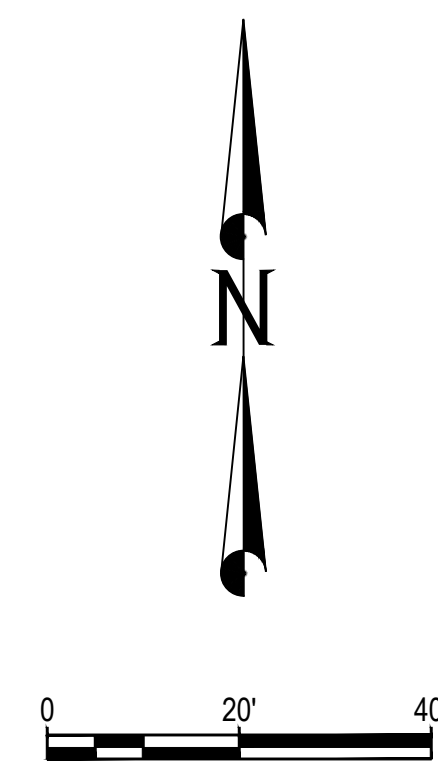
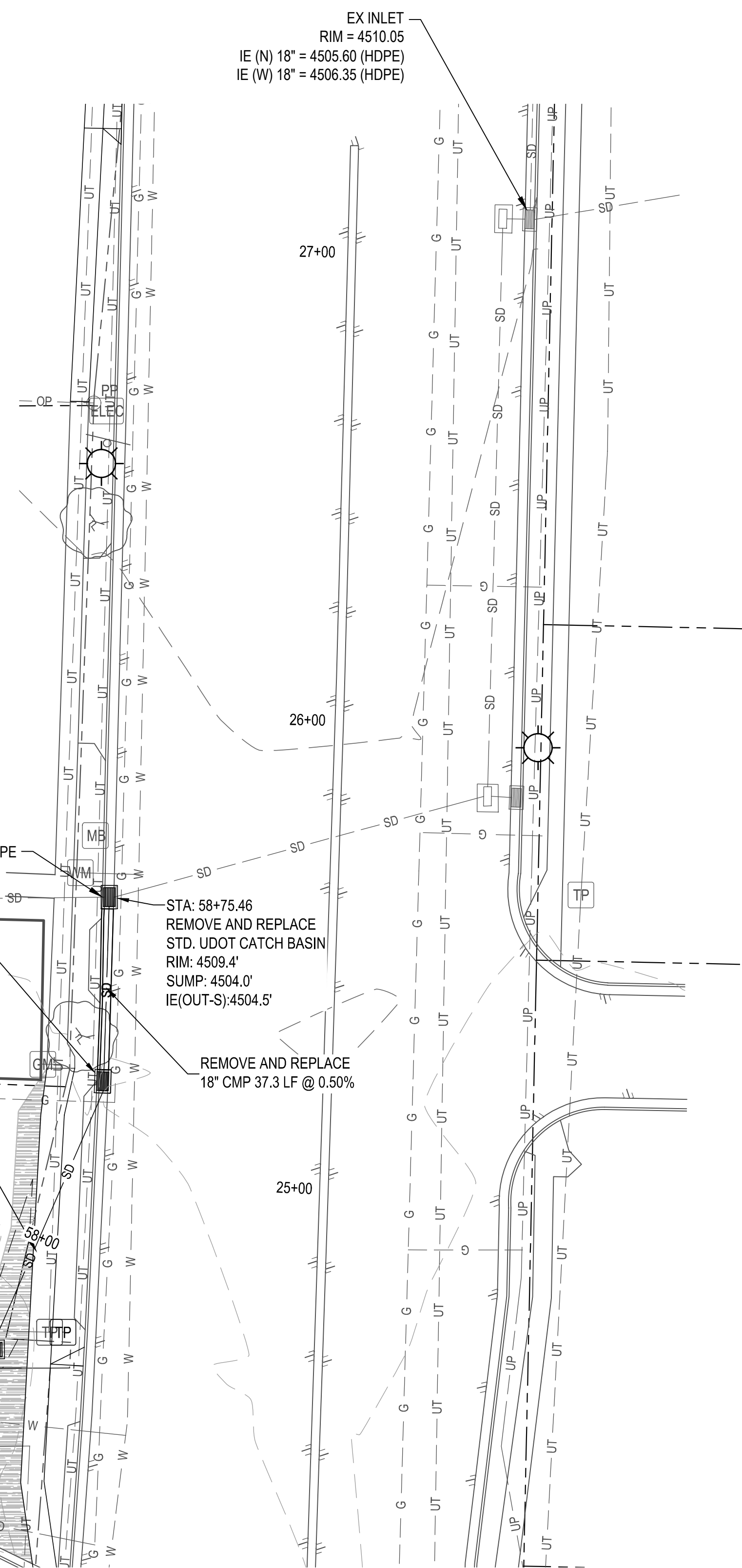
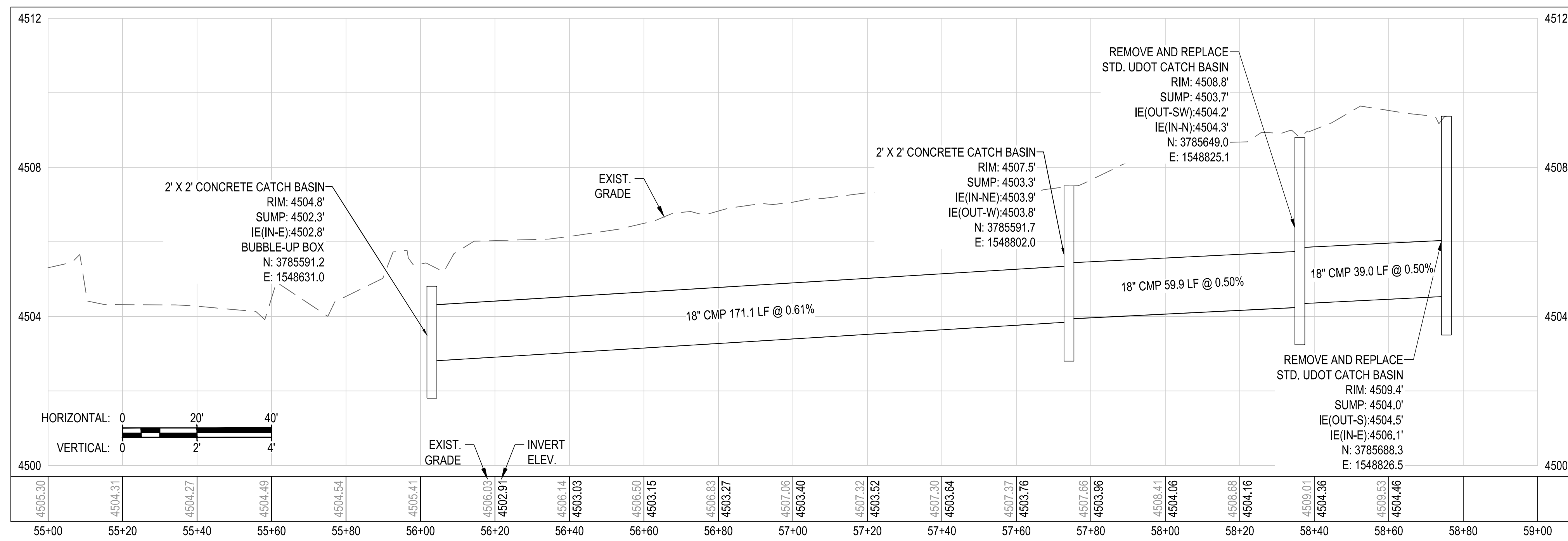
LOGAN CITY
SOUTH MAIN STREET SIDEWALK CONNECTION DESIGN
CIVIL GRADING PLAN

LOGAN, UTAH



PROJECT NUMBER 16103F
SHEET 26 OF 29
SHEET NUMBER CG106

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NO.	DATE	DESCRIPTION

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PRINCIPAL
D. EYRE

PROJECT MANAGER
M. COLLIER

CHECKED BY
M. COLLIER

DRAWN BY
T. BASS

DRAWING SCALE
SEE SCALE BAR

ISSUE DATE
DECEMBER 21, 2018

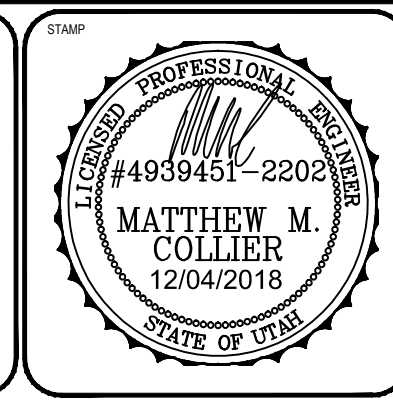
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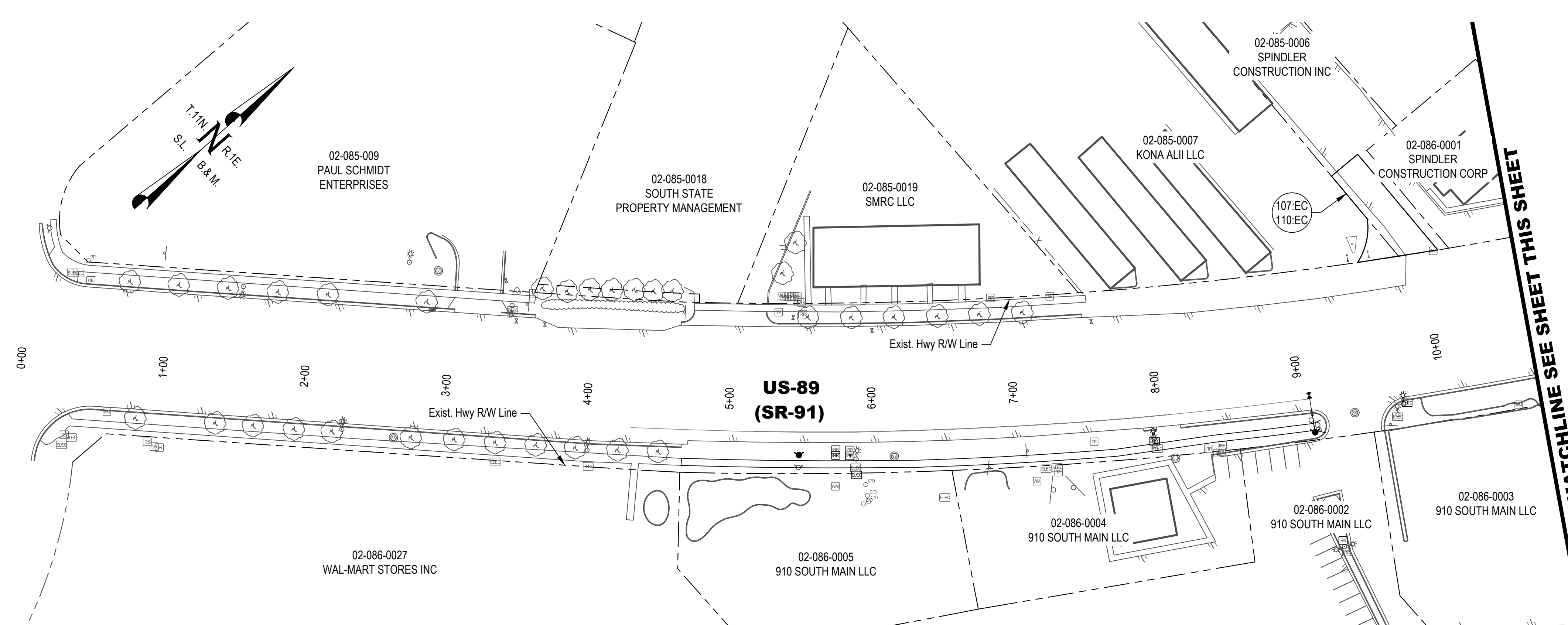
LOGAN CITY
SOUTH MAIN STREET SIDEWALK CONNECTION DESIGN

CIVIL UTILITY PLAN & PROFILE

LOGAN, UTAH

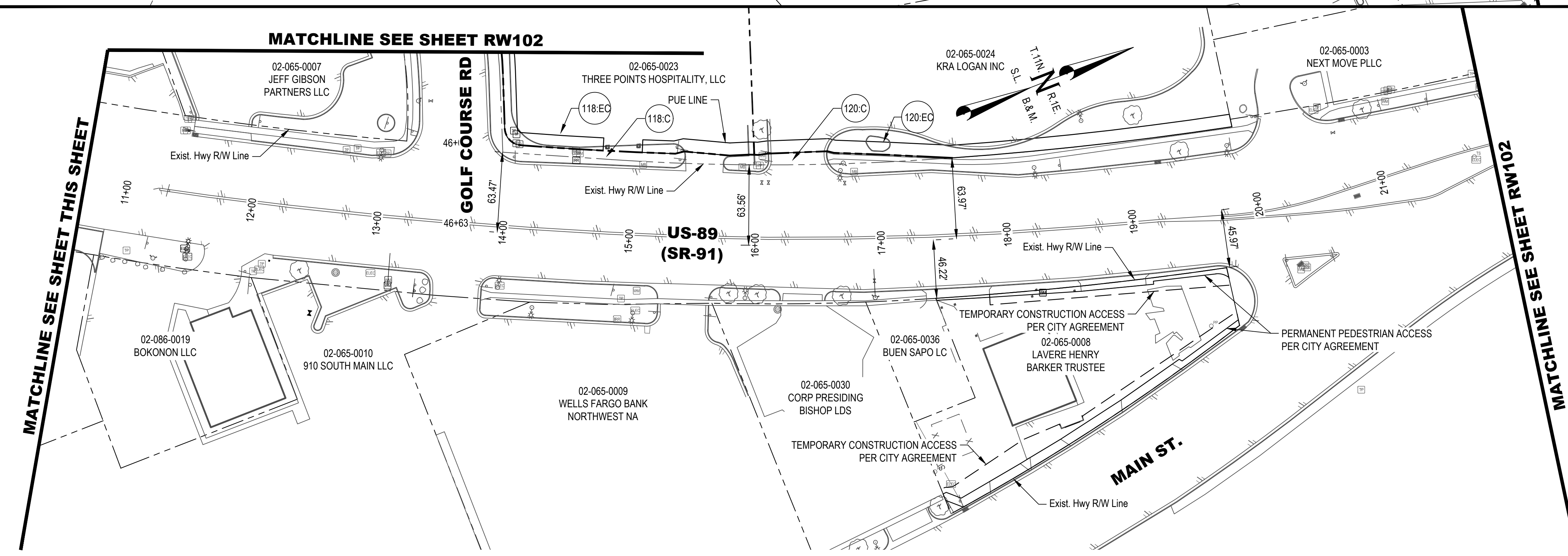


PROJECT NUMBER 16103F
SHEET 27 OF 29
SHEET NUMBER CU101



ACQUISITION SUMMARY TABLE

PARCEL	GRANTEE	SQ. FT.	ACREAGE	REMARKS
107.EC 110.EC	KONA ALII LLC, SPINDLER CONSTRUCTION INC	2,309	0.053	CROSS ACCESS EASEMENT IN FAVOR OF THE GRANTEES
118.C		SEE SUMMARY ON RW102		
118.EC		SEE SUMMARY ON RW102		
120.C	KRA LOGAN INC	1,055	0.024	WARRANTY DEED
120.EC	KRA LOGAN INC	3,794	0.087	PUBLIC UTILITY EASEMENT



100%

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NO.	DATE	DESCRIPTION

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PROJECT MANAGER
M. COLLIER

CHECKED BY
M. COLLIER

DRAWN BY
T. BASS

DRAWING SCALE
SEE SCALE BAR

ISSUE DATE
DECEMBER 21, 2018

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ANSWERS TO INFRASTRUCTURE

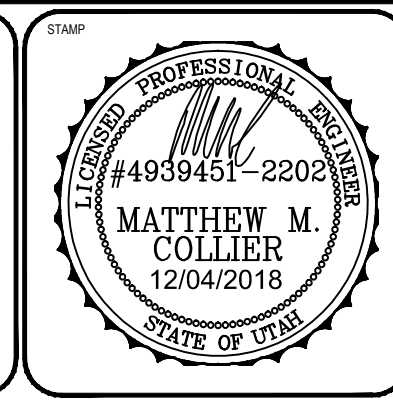
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LOGAN CITY
SOUTH MAIN STREET SIDEWALK CONNECTION DESIGN

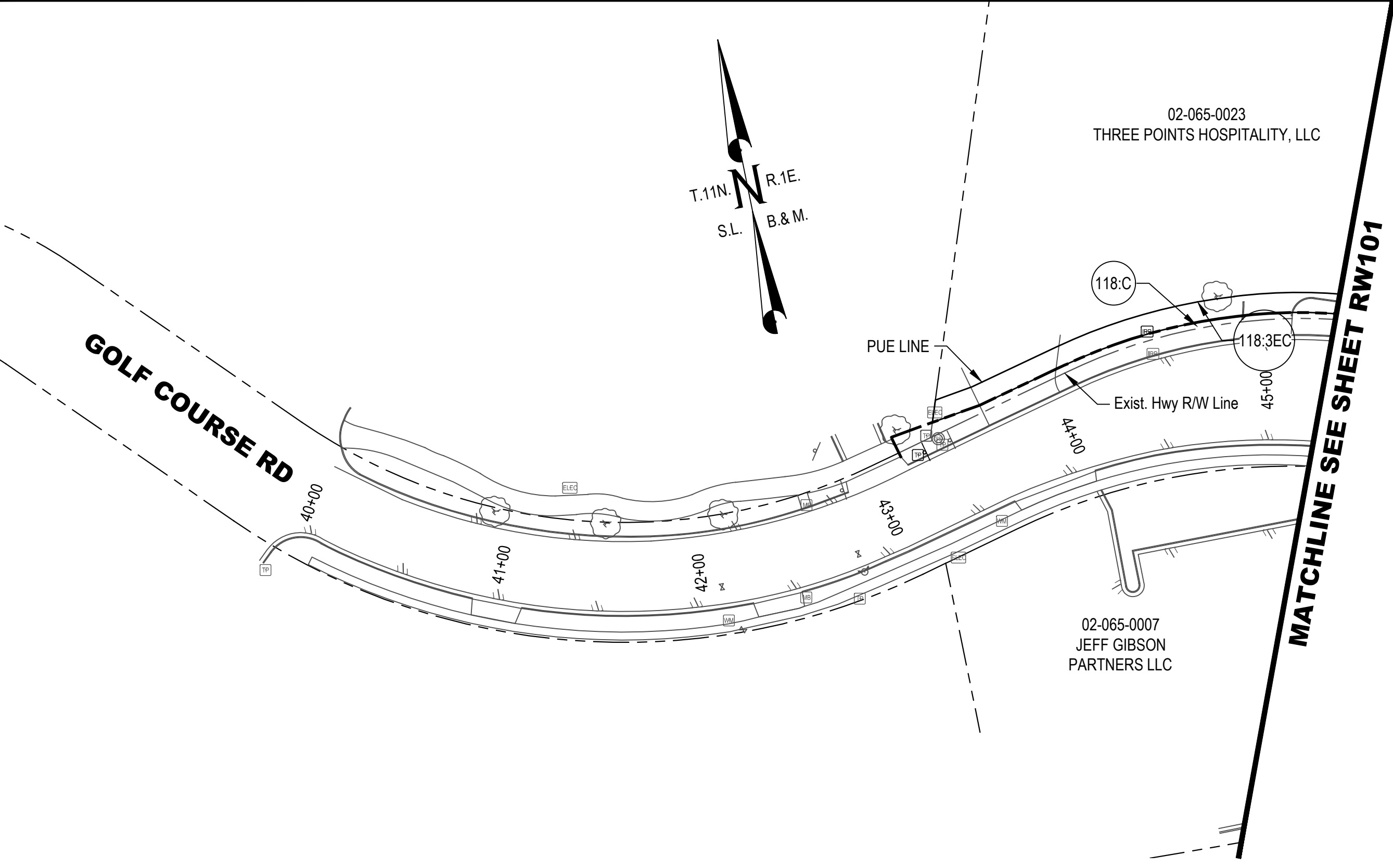
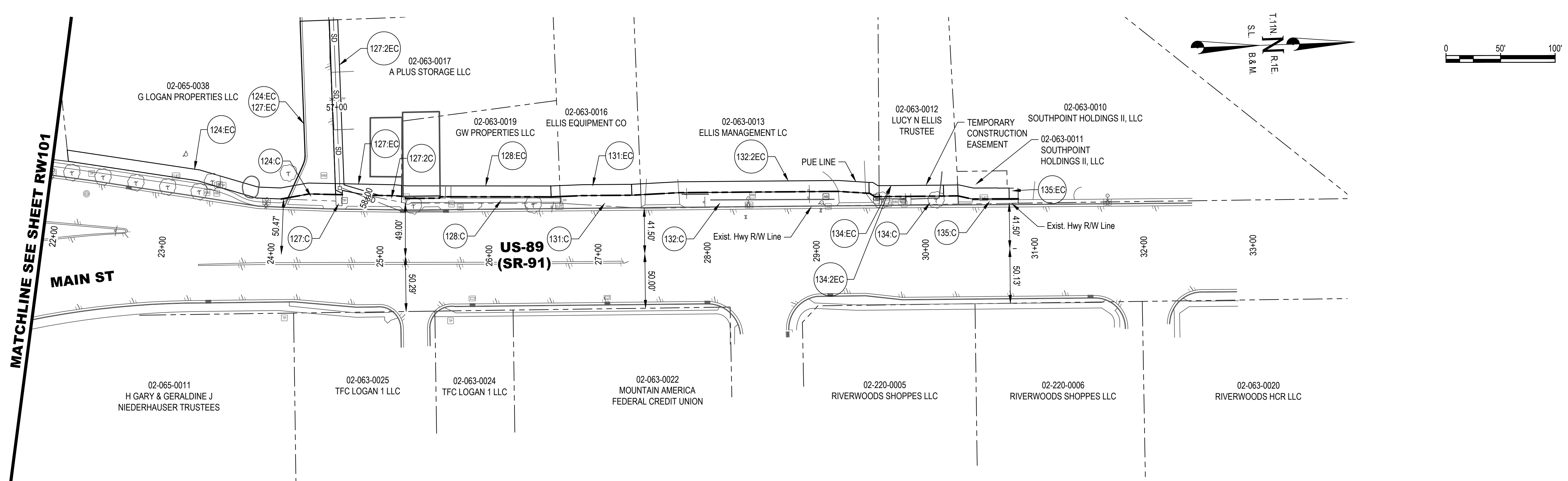
RIGHT OF WAY PLAN

LOGAN, UTAH

SOUTH MAIN STREET



PROJECT NUMBER 16103F	SHEET 28	OF 29
SHEET NUMBER RW101		



ACQUISITION SUMMARY TABLE

PARCEL	GRANTEE	SQ. FT.	ACREAGE	REMARKS
118:C	THREE POINTS HOSPITALITY, LLC	2,461	0.057	WARRANTY DEED
118:3EC	THREE POINTS HOSPITALITY, LLC	4,671	0.107	PUBLIC UTILITY EASEMENT
124:C	G LOGAN PROPERTIES LLC	211	0.005	WARRANTY DEED
124:EC	G LOGAN PROPERTIES LLC	2,492	0.057	PUBLIC UTILITY EASEMENT
124:EC 127:EC	G LOGAN PROPERTIES LLC, A PLUS STORAGE LLC	4,547	0.104	CROSS ACCESS EASEMENT IN FAVOR OF THE GRANTEEES
127:C	A PLUS STORAGE LLC	58	0.001	WARRANTY DEED
127:2C	A PLUS STORAGE LLC	96	0.002	WARRANTY DEED
127:EC	A PLUS STORAGE LLC	565	0.013	PUBLIC UTILITY EASEMENT
127:2EC	A PLUS STORAGE LLC	1,366	0.031	UTILITY DRAINAGE EASEMENT
128:C	GW PROPERTIES LLC	864	0.020	WARRANTY DEED
128:EC	GW PROPERTIES LLC	1,451	0.033	PUBLIC UTILITY EASEMENT

ACQUISITION SUMMARY TABLE

PARCEL	GRANTEE	SQ. FT.	ACREAGE	REMARKS
131:C	ELLIS EQUIPMENT CO	691	0.016	WARRANTY DEED
131:EC	ELLIS EQUIPMENT CO	739	0.017	PUBLIC UTILITY EASEMENT
132:C	ELLIS MANAGEMENT LC	2,847	0.065	WARRANTY DEED
132:2EC	ELLIS MANAGEMENT LC	2,194	0.050	PUBLIC UTILITY EASEMENT
134:C	LUCY N ELLIS TRUSTEE	553	0.013	QUIT CLAIM DEED
134:EC	LUCY N ELLIS TRUSTEE	762	0.018	TEMPORARY CONSTRUCTION EASEMENT
134:2EC	LUCY N ELLIS TRUSTEE	723	0.017	PUBLIC UTILITY EASEMENT
135:C	SOUTHPOINT HOLDINGS II LLC	251	0.006	WARRANTY DEED
135:EC	SOUTHPOINT HOLDINGS II LLC	552	0.013	PUBLIC UTILITY EASEMENT

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PRINCIPAL
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PROJECT MANAGER
M. COLLIER

CHECKED BY
M. COLLIER

DRAWN BY
T. BASS

DRAWING SCALE
SEE SCALE BAR

ISSUE DATE
DECEMBER 21, 2018

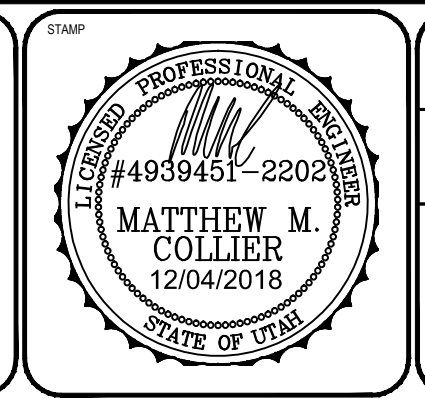
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LOGAN CITY
SOUTH MAIN STREET SIDEWALK CONNECTION DESIGN

RIGHT OF WAY PLAN

LOGAN, UTAH



PROJECT NUMBER 16103F	SHEET 29	OF 29
SHEET NUMBER RW102		