

THE RESERVE AT CRIMSON RIDGE CLUSTER SUBD. - PH. 2 & PH. 3

PRELIMINARY SUBMITTAL WEBER COUNTY, UTAH

TRAFFIC CONTROL & SAFETY NOTES

1. BARRICADING AND DETOURING SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS OF THE CURRENT STATE OF UTAH DEPARTMENT OF TRANSPORTATION MANUAL OF TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE WORK ZONES, AND THE CURRENT WEBER COUNTY STANDARD DRAWING, AND SHALL BE APPROVED BY THE WEBER COUNTY ENGINEER PRIOR TO ANY WORK.
2. NO STREET SHALL BE CLOSED TO TRAFFIC WITHOUT WRITTEN PERMISSION FROM THE WEBER COUNTY TRAFFIC ENGINEER, EXCEPT WHEN DIRECTED BY LAW ENFORCEMENT OR FIRE OFFICIALS.
3. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO PROVIDE FOR SMOOTH TRAFFIC FLOW AND SAFETY. ACCESS SHALL BE MAINTAINED FOR ALL PROPERTIES ADJACENT TO THE WORK.
4. DETOURING OPERATIONS FOR A PERIOD OF SIX CONSECUTIVE CALENDAR DAYS, OR MORE, REQUIRE THE INSTALLATION OF TEMPORARY STREET STRIPING AND REMOVAL OF INTERFERING STRIPING BY SANDBLASTING. THE DETOURING STRIPING PLAN OR CONSTRUCTION TRAFFIC CONTROL PLAN MUST BE SUBMITTED TO THE WEBER COUNTY TRAFFIC ENGINEER FOR REVIEW AND APPROVAL.
5. ALL TRAFFIC CONTROL DEVICES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT THE END OF THE WORK TO THE SATISFACTION OF THE WEBER COUNTY TRAFFIC ENGINEER
6. TRAFFIC CONTROL DEVICES (TCDs) SHALL REMAIN VISIBLE AND OPERATIONAL AT ALL TIMES.

UTILITY DISCLAIMER

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. IT SHALL BE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND LOCATION OF THOSE UTILITIES SHOWN ON THESE PLANS OR INDICATED IN THE FIELD BY LOCATING SERVICES. ANY ADDITIONAL COSTS INCURRED AS A RESULT OF CONTRACTOR'S FAILURE TO VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION IN THEIR VICINITY SHALL BE BORNE BY THE CONTRACTOR AND ASSUMED INCLUDED IN THE CONTRACT.

NOTICE TO CONTRACTOR

ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK SHOWN ON OR RELATED TO THESE PLANS SHALL CONDUCT THEIR OPERATIONS SO THAT ALL EMPLOYEES ARE PROVIDED A SAFE PLACE TO WORK AND THE PUBLIC IS PROTECTED. ALL CONTRACTORS AND SUBCONTRACTORS SHALL COMPLY WITH THE "OCCUPATIONAL SAFETY AND HEALTH REGULATIONS OF THE U.S. DEPARTMENT OF LABOR AND THE STATE OF UTAH DEPARTMENT OF INDUSTRIAL RELATIONS CONSTRUCTION SAFETY ORDERS". THE CIVIL ENGINEER SHALL NOT BE RESPONSIBLE IN ANY WAY FOR CONTRACTORS AND SUBCONTRACTORS COMPLIANCE WITH SAID REGULATIONS AND ORDERS.

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

SANITARY SEWER GENERAL NOTES

1. ALL SANITARY SEWER CONSTRUCTION SHALL BE IN CONFORMANCE WITH WEBER COUNTY STANDARDS AND SPECIFICATIONS.
2. ALL GRAVITY SANITARY SEWER LINES SHALL BE SDR-35 PVC MATERIAL. SEWER LINE CONSTRUCTION AND MATERIALS SHALL CONFORM TO ASTM STANDARDS AND SPECIFICATIONS.
3. DISTANCES SHOWN ON PLANS ARE APPROXIMATE AND COULD VARY DUE TO VERTICAL ALIGNMENT.
4. RIM ELEVATIONS SHOWN ARE APPROXIMATE ONLY AND ARE NOT TO BE TAKEN AS FINAL ELEVATION. PIPELINE CONTRACTOR SHALL USE PRECAST CONCRETE ADJUSTMENT RINGS, GROUT AND STEEL SHIMS TO ADJUST THE MANHOLE FRAME TO THE REQUIRED FINAL GRADE IN CONFORMANCE WITH THE STANDARD SPECIFICATIONS. ALL FRAMES SHALL BE ADJUSTED TO FINAL GRADE.
5. ALL SANITARY SEWER MAIN TESTING SHALL BE IN ACCORDANCE WITH THE WEBER COUNTY STANDARDS AND SPECIFICATIONS. COPIES OF ALL TEST RESULTS SHALL BE PROVIDED TO THE PUBLIC WORKS SANITARY SEWER DEPARTMENT HEAD PRIOR TO FINAL ACCEPTANCE.
6. COMPACTION TESTING OF ALL TRENCHES WITH THE PROJECT SITE MUST BE ATTAINED AND RESULTS SUBMITTED TO THE WEBER COUNTY ENGINEER PRIOR TO FINAL ACCEPTANCE.
7. CONTRACTOR IS RESPONSIBLE TO PROTECT ALL EXISTING STRUCTURES AND IMPROVEMENTS DURING INSTALLATION OF SANITARY SEWER LINE.
8. WHERE CONNECTION TO EXISTING UTILITY IS PROPOSED, CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION AND NOTIFY OWNER/ENGINEER IF LOCATION AND ELEVATION OF EXISTING UTILITY VARIES FROM THE DESIGN.
9. CAMERA TESTING AND PRESSURE TESTING PER WEBER COUNTY STANDARD.

GENERAL NOTES

1. ALL MATERIALS, WORKMANSHIP AND CONSTRUCTION OF SITE IMPROVEMENTS SHALL MEET OR EXCEED THE STANDARDS AND SPECIFICATIONS SET FORTH BY THE WEBER COUNTY ENGINEER, PLANNING, CODES AND SPECIFICATIONS AND APPLICABLE STATE AND FEDERAL REGULATIONS. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND SPECIFICATIONS, OR ANY APPLICABLE STANDARDS, THE HIGHER QUALITY STANDARD SHALL APPLY.
2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND OR ELEVATION OF EXISTING UTILITIES, AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY PERTINENT LOCATIONS AND ELEVATIONS, ESPECIALLY AT THE CONNECTION POINTS AND AT POTENTIAL UTILITY CONFLICTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
3. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL NOTIFY THE DESIGNATED PUBLIC WORKS INSPECTOR AT LEAST 48 HOURS PRIOR TO THE START OF ANY EARTH DISTURBING ACTIVITY, OR CONSTRUCTION ON ANY AND ALL PUBLIC IMPROVEMENTS.
4. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH WEBER COUNTY AND ALL UTILITY COMPANIES INVOLVED WITH REGARD TO RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION AND TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION AND WITH A MINIMUM DISRUPTION OF SERVICE.
5. THE CONTRACTOR SHALL HAVE ONE (1) COPY OF APPROVED PLANS, AND ONE (1) COPY OF THE APPROPRIATE STANDARDS AND SPECIFICATIONS AND A COPY OF ANY PERMITS AND EXTENSION AGREEMENTS NEEDED FOR THE JOB, ON SITE AT ALL TIMES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING BUT NOT LIMITED TO, EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.
7. IF DURING THE CONSTRUCTION PROCESS CONDITIONS ARE ENCOUNTERED BY THE CONTRACTOR, HIS SUBCONTRACTORS, OR OTHER AFFECTED PARTIES, WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY.
8. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THESE DRAWINGS OR DESIGNATED TO BE PROVIDED, INSTALLED, CONSTRUCTED, REMOVED AND RELOCATED UNLESS SPECIFICALLY NOTED OTHERWISE.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING AS-BUILT DRAWINGS ON A SET OF RECORD DRAWINGS KEPT AT THE CONSTRUCTION SITE, AND AVAILABLE TO THE WEBER COUNTY INSPECTOR AT ALL TIMES.
11. THE CONTRACTOR SHALL SEQUENCE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO MINIMIZE POTENTIAL UTILITY CONFLICTS. IN GENERAL, STORM SEWER AND SANITARY SEWER SHOULD BE CONSTRUCTED PRIOR TO INSTALLATION OF WATER LINES AND DRY UTILITIES.
12. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL UTILITY RELOCATIONS CONSISTENT WITH THE CONTRACTORS SCHEDULE FOR THIS PROJECT, WHETHER SHOWN OR NOT SHOWN AS IT RELATES TO THE CONSTRUCTION ACTIVITIES CONTEMPLATED IN THESE PLANS.

SWPPP GENERAL NOTES

1. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AS REQUIRED BY WEBER COUNTY AND STATE.
2. ALL STRUCTURAL EROSION MEASURES SHALL BE INSTALLED AS SHOWN ON THE SWPPP PLAN, PRIOR TO ANY OTHER GROUND-DISTURBING ACTIVITY. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN GOOD REPAIR BY THE CONTRACTOR, UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREAS ARE STABILIZED WITH HARD SURFACE OR LANDSCAPING.

STORM SEWER GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FOLLOWING:
A) OBTAIN ALL REQUIRED PERMITS FROM WEBER COUNTY OR REGULATORY AGENCIES, INCLUDING PERMITS TO WORK IN THE RIGHT-OF-WAY.
B) RESTORATION OF EXISTING IMPROVEMENTS INCLUDING BUT NOT LIMITED TO FENCES, SOD, LANDSCAPING, PAVEMENT, SPRINKLER SYSTEM.
C) VERIFICATION AND PROTECTION OF ALL EXISTING IMPROVEMENTS WITHIN THE LIMITS OF CONSTRUCTION.
D) PROVIDING AS-BUILT DRAWINGS TO WEBER COUNTY AND THE ENGINEER.
E) ALL PERMITTING, DEVELOPMENT, LOCATION, CONNECTION AND INSPECTION AND SCHEDULING FOR SUCH.
2. ALL STORM SEWER CONNECTIONS SHALL BE IN CONFORMANCE WITH COUNTY STANDARDS AND SPECIFICATIONS.
3. RIM ELEVATIONS SHOWN ARE APPROXIMATE ONLY AND ARE NOT TO BE TAKEN AS FINAL ELEVATION. PIPELINE CONTRACTOR SHALL USE PRECAST CONCRETE ADJUSTMENT RINGS, GROUT, AND STEEL SHIMS TO ADJUST THE MANHOLE FRAME TO THE REQUIRED FINAL GRADE IN CONFORMANCE WITH WEBER COUNTY STANDARDS AND SPECIFICATIONS AND PLANS. ALL FRAMES SHALL BE ADJUSTED TO FINAL GRADE PRIOR TO PLACEMENT OF ASPHALT PAVING.
4. COMPACTION OF ALL TRENCHES WITHIN THE PROJECT SITE MUST BE ATTAINED AND COMPACTION RESULTS SUBMITTED TO THE ENGINEER AND WEBER COUNTY PRIOR TO FINAL ACCEPTANCE.
5. ALL STORM DRAIN PIPES IN WEBER COUNTY RIGHT-OF-WAY SHALL BE RCP CL III.
6. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH THE PAVEMENT AND SHALL HAVE TRAFFIC BEARING LIDS. ALL STORM SEWER LIDS SHALL BE LABELED "STORM DRAIN".
7. WHERE CONNECTION TO EXISTING UTILITY IS PROPOSED, CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION AND NOTIFY OWNER/ENGINEER IF LOCATION AND ELEVATION OF EXISTING UTILITY VARIES FROM THE DESIGN.

GENERAL GRADING NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST APWA STANDARDS AND SPECIFICATION FOR PUBLIC WORKS AND WEBER COUNTY STANDARDS. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AWAY FROM BUILDING FOUNDATIONS AND ENTRIES. FINISHED GRADE AT FOUNDATION FOR WOOD FRAMED STRUCTURES SHALL BE 8 INCHES BELOW TOP OF FOUNDATION AND DRAINAGE SHALL BE A MINIMUM OF 5% WITHIN 10 FEET FROM THE BUILDING.
2. MAXIMUM SLOPES SHALL BE 3:1 FOR CUT AND FILL UNLESS OTHERWISE NOTED.
3. COMPACTION REQUIREMENTS AND TESTING SHALL BE PERFORMED TO MEET WEBER COUNTY STANDARDS.
4. NO FILL SHALL BE PLACED UNTIL VEGETATION HAS BEEN REMOVED AND SUB-GRADE PREPARED PER THE SOILS REPORT.
5. DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS.
6. CONTRACTOR SHALL COMPLY WITH STORM WATER POLLUTION PREVENTION PLAN BY INSTALLING BMP'S PRIOR TO COMMENCEMENT OF EXCAVATION ACTIVITIES. CONTACT THE WEBER COUNTY INSPECTOR FOR INSPECTION.
7. ALL RECOMMENDATIONS OF THE GEOTECHNICAL REPORT AND ALL SUBSEQUENT REPORTS, ADDENDUM ETC. SHALL BE CONSIDERED A PART OF THIS GRADING PLAN AND SHALL BE COMPLIED WITH.
8. THE CONTRACTOR SHALL CONTACT BLUE STAKES FOR LOCATION MARKING PRIOR TO COMMENCING EXCAVATION ACTIVITIES.
9. WEBER COUNTY MAY REQUIRE A PRE-CONSTRUCTION MEETING BEFORE A PERMIT IS ISSUED.
10. STREETS ADJACENT TO THE PROJECT SHALL BE CLEAN AT ALL TIMES.
11. CONTRACTOR IS RESPONSIBLE FOR ARRANGING FOR ALL REQUIRED INSPECTIONS.
12. PRIOR TO TAKING WATER FROM A WEBER COUNTY FIRE HYDRANT, THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE WATER UTILITY TO OBTAIN A WATER METER.

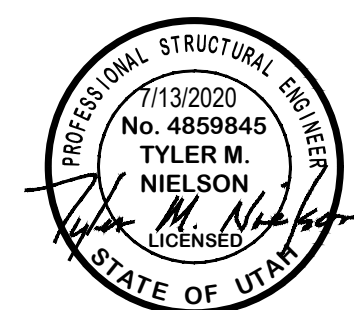
CULINARY WATER GENERAL NOTES

1. ALL INSTALLATION AND MATERIALS SHALL CONFORM TO WATER UTILITY STANDARDS, SPECIFICATIONS AND PLANS.
2. THRUST BLOCKING IS REQUIRED AT ALL BENDS AND FITTINGS. TIE RODS SHALL BE USED AT ALL BENDS AND FITTINGS WHERE THRUST BLOCKS DO NOT BEAR AGAINST UNDISTURBED SOIL.
3. ALL WATERLINES AT SEWER CROSSINGS SHALL BE LOCATED ABOVE AND HAVE AN 18-INCH VERTICAL SEPARATION FROM THE SEWER PIPE. IF THIS IS NOT PROVIDED, THE WATERLINE SHALL BE INSTALLED WITH 20 LF. OF CONCRETE CASING CENTERED OVER THE SEWER PIPE.
4. DISINFECTION TESTS SHALL BE PERFORMED BY THE WATER UTILITY WITH COOPERATION FROM THE CONTRACTOR IN PERFORMING ANY NECESSARY EXCAVATION AND SUBSEQUENT BACKFILLING AT NO COST TO WEBER COUNTY.
5. CHLORINATION OF COMPLETED WATER LINE. THE NEW WATER LINES SHALL BE DISINFECTED BY CHLORINATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL RELATED COSTS AND FEES RELATED TO THE CHLORINATION OF THE COMPLETED WATER LINE. THIS TEST SHALL BE PERFORMED PRIOR TO CONNECTION OF THE NEW WATER LINES TO THE EXISTING WATER SYSTEM. THE CONTRACTOR SHALL NOTIFY THE WATER UTILITY AT LEAST 24 HOURS BEFORE THE CHLORINATION IS DESIRED.
6. A MINIMUM HORIZONTAL CLEARANCE OF 10 FEET SHALL BE MAINTAINED FROM SANITARY SEWER MAINS.
7. UNLESS OTHERWISE SPECIFIED, ALL WATERLINES SHALL BE AWWA C900 PVC CLASS 150, PER ASTM D2241.
8. CONTRACTOR SHALL LOCATE VALVES PRIOR TO CONNECTION WITH EXISTING SYSTEM, BUT SHALL NOT OPERATE ANY VALVE WITHOUT PERMISSION FROM THE WATER UTILITY.
9. ALL WATER MAINS, VALVES, FIRE HYDRANTS, SERVICES AND APPURTENANCES SHALL BE INSTALLED, TESTED, AND APPROVED PRIOR TO PAVING.
10. THERE SHALL BE A WATER SUPPLY TO THE DEVELOPMENT BEFORE ANY WOOD CONSTRUCTION STARTS.
11. THE WATER UTILITY REQUIRES THE USE OF CORROSION RESISTANT MATERIALS FOR ALL CULINARY WATER IMPROVEMENTS. SPECIFICALLY, ROMAC BLUE BOLTS OR STAINLESS STEEL BOLTS MUST BE USED ON ALL FITTINGS. FURTHER, ALL METAL FITTINGS SHALL BE POLY WRAPPED.

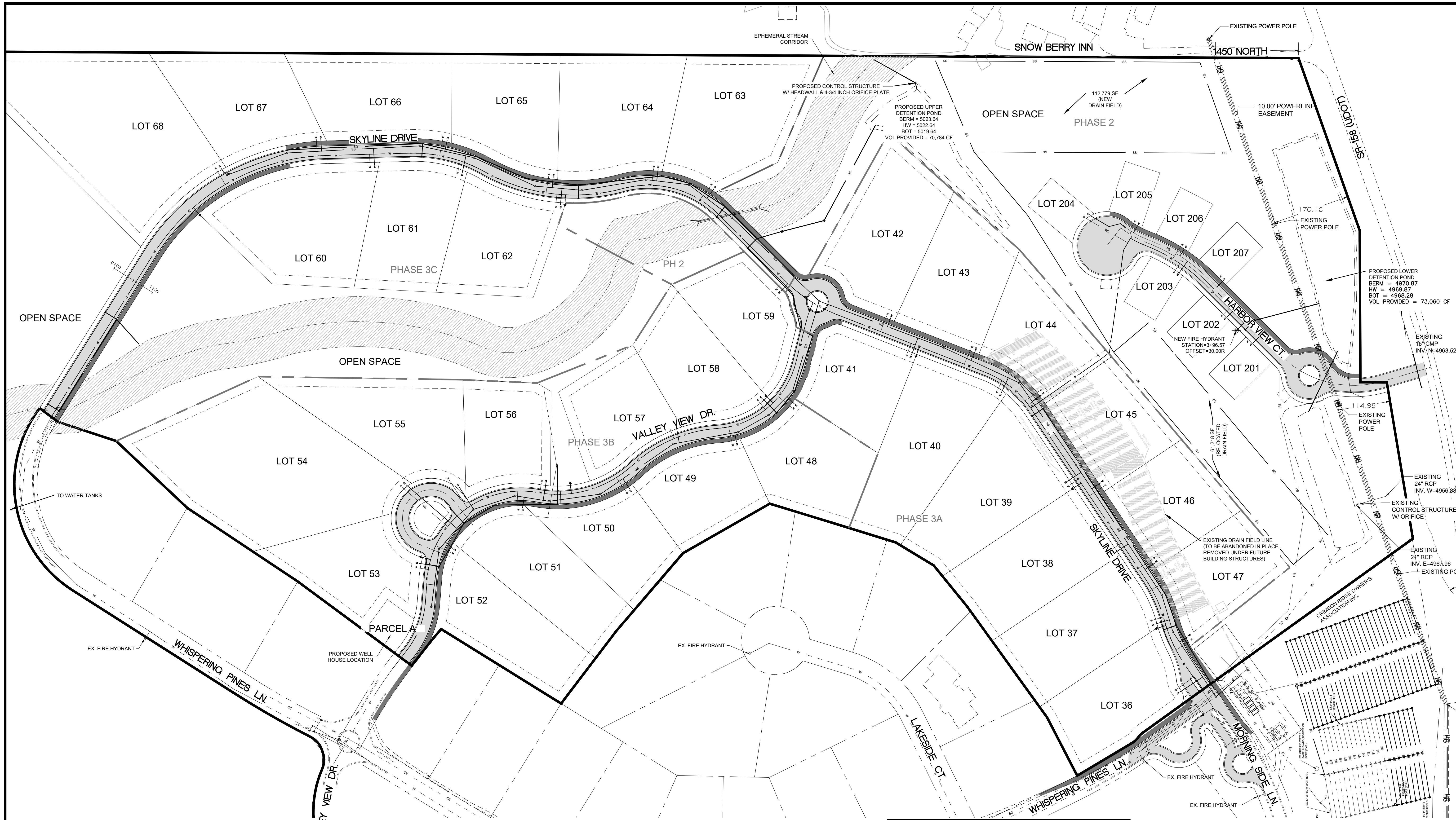
SHEET INDEX

COVER SHEET	
C1	- OVERALL UTILITY PLAN
C2	- OVERALL SHEET LAYOUT
C3	- ENTRY ACCESS DEMO
C4	- ENTRY ACCESS REGRADING
C5	- DRAINAGE CALCS
C6	- UPPER DETENTION POND
C7	- LOWER DETENTION POND
C8	- SEWER DRAIN FIELD EXPANSION
PP1	- SKYLINE DRIVE - PLAN AND PROFILE
PP2	- SKYLINE DRIVE - PLAN AND PROFILE
PP3	- SKYLINE DRIVE - PLAN AND PROFILE
PP4	- SKYLINE DRIVE - PLAN AND PROFILE
PP5	- VALLEY VIEW DRIVE - PLAN AND PROFILE
PP6	- VALLEY VIEW DRIVE - PLAN AND PROFILE
PP7	- HARBOR VIEW COURT - PLAN AND PROFILE
PP8	- SR-158 (UDOT) - PLAN AND PROFILE

ALL IMPROVEMENTS TO CONFORM TO CURRENT WEBER COUNTY STANDARDS AND SPECIFICATIONS
CULINARY WATER IMPROVEMENTS TO CONFORM TO PINEVIEW WEST WATER UTILITY STANDARDS AND SPECIFICATIONS
SECONDARY WATER IMPROVEMENTS TO CONFORM TO THE SECONDARY WATER UTILITY'S STANDARDS AND SPECIFICATIONS

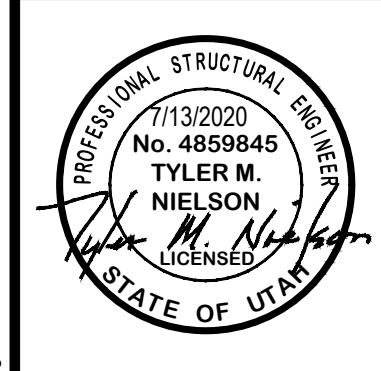


THE RESERVE AT CRIMSON RIDGE CLUSTER SUBD. - PH. 2 & PH. 3
PRELIMINARY SUBMITTAL



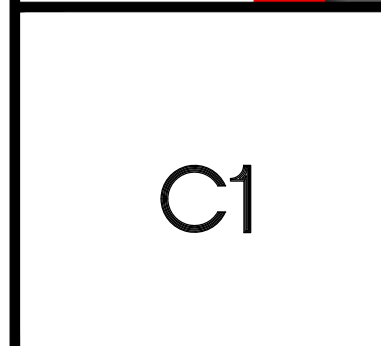
SCALE	1" = 100'
DATE	7/13/2020
DESIGN	BRD/WJS
DRAWN	BRD/WJS
CHECKED	TAN

REVISIONS	DESCRIPTION



OVERALL UTILITY PLAN
 THE RESERVE AT CRIMSON RIDGE CLUSTER SUBD. PH 2+3
 1250 NORTH 5200 EAST
 OGDEN VALLEY, WEBER COUNTY, UTAH

GARDNER ENGINEERING
 CIVIL-LAND PLANNING
 MUNICIPAL-LAND SURVEYING
 5150 SOUTH 375 EAST OGDEN, UT
 OFFICE: 801.476.0202 FAX: 801.476.0066

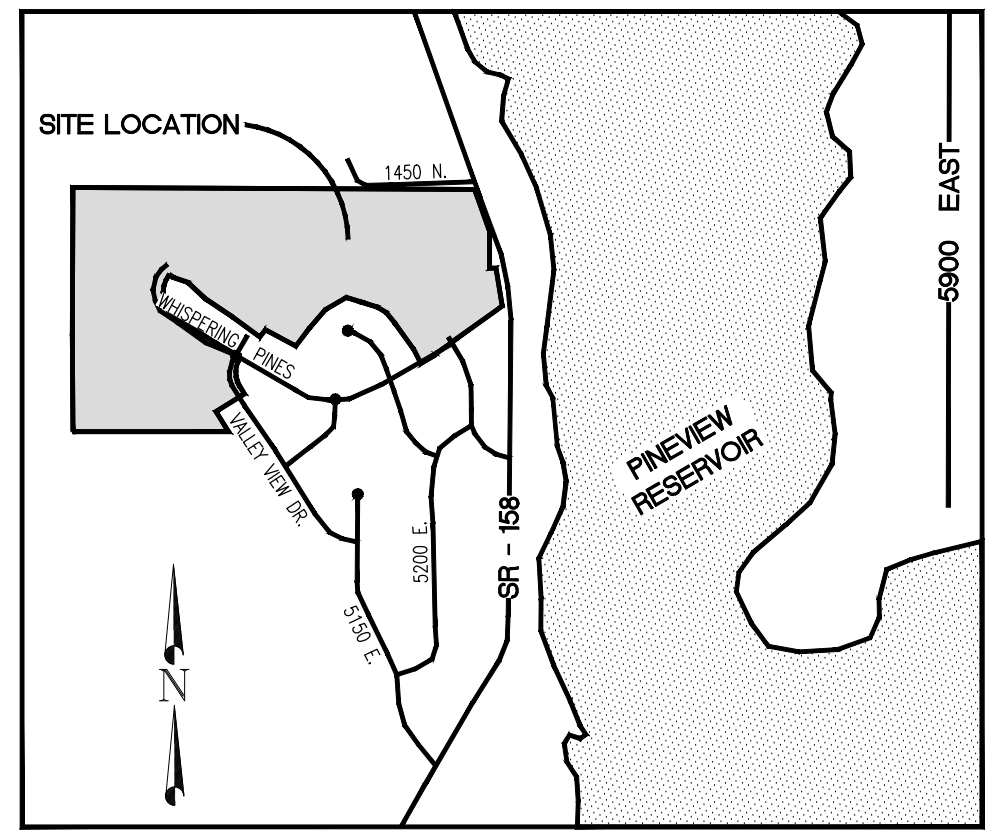


ENGINEER
 GARDNER ENGINEERING
 TYLER M. NIELSON
 (801) 476-0202
 tyler@gecivil.com

CULINARY WATER
 PINEVIEW WEST WATER COMPANY
 (801) 675-1711
 828 RADFORD LANE, EDEN, UT 84310

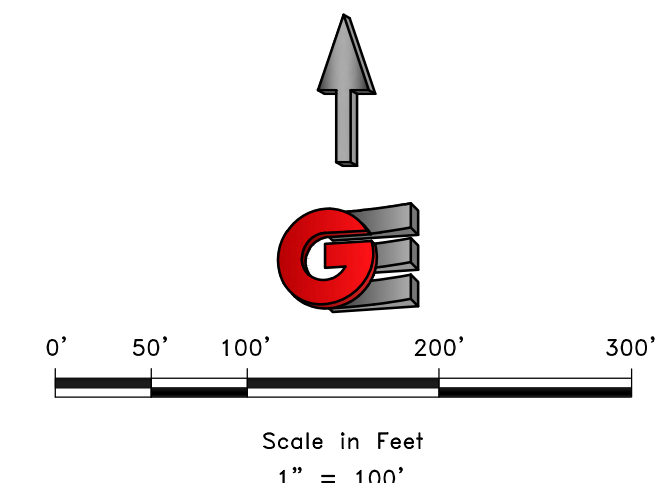
PUBLIC WORKS / SANITARY SEWER
 CHAD MEYERHOFFER (WEBER COUNTY ENGINEERING)
 (801) 399-8004
 cmeyerho@co.weber.ut.us

WEBER COUNTY FIRE MARSHAL
 DAVID REED
 (801) 782-3580 EXT. 205
 dreed@weberfd.com

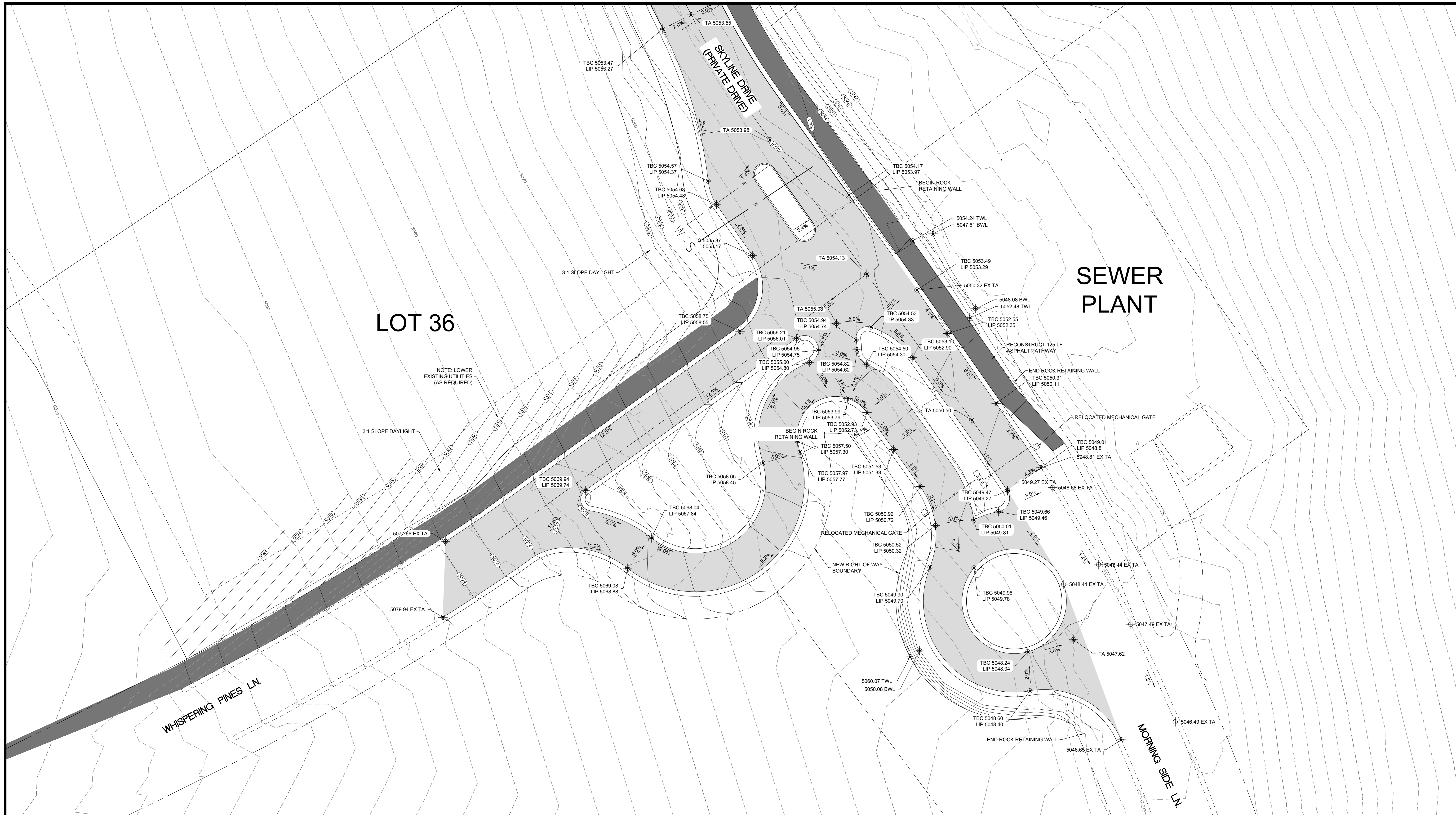


LEGEND

	SUBDIVISION BOUNDARY
	ROAD CENTERLINE
	EXISTING EDGE OF ASPHALT
	EXISTING 1' CONTOUR
	EXISTING 5' CONTOUR
	FINISH GRADE 1' CONTOUR
	EXISTING SANITARY SEWER
	NEW SANITARY SEWER
	NEW PRESSURE SEWER LATERAL
	EXISTING STORM DRAIN
	NEW STORM DRAIN
	EXISTING CULINARY WATER
	NEW CULINARY WATER
	NEW CULINARY WATER LATERAL
	NEW CULINARY WATER METER
	EXISTING FIRE HYDRANT
	NEW FIRE HYDRANT
	EXISTING SECONDARY WATER
	NEW SECONDARY WATER
	NEW DUAL SECONDARY WATER LATERAL
	NEW ASPHALT PAVING



R:\2020\801 Investment\Crmsn Ridge\DESIGN\CONSTRUCTION RIDGE - CD\Map - CT - OVERALL UTILITY PLAN 7/13/2020 10:23:11 PM ARCH\11166121.DWG 25.00 Inches, L1



LOT 36

SEWER PLANT

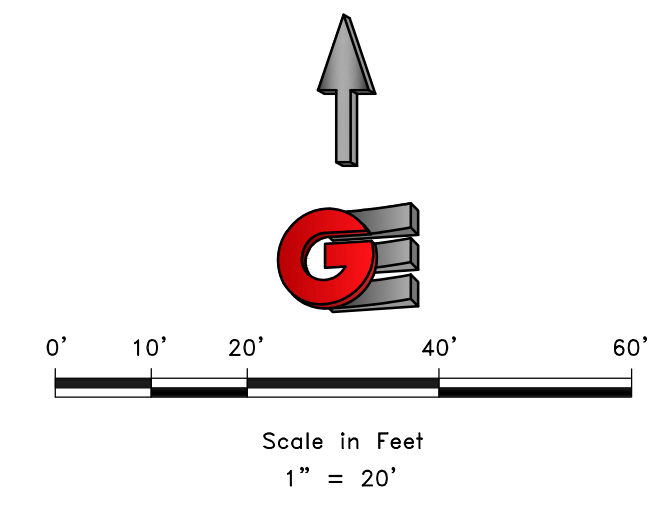
WHISPERING PINES LN.

MORNING SIDE LN.

NOTE: LOWER EXISTING UTILITIES (AS REQUIRED)

LEGEND

	SUBDIVISION BOUNDARY
	ROAD CENTERLINE
	EXISTING EDGE OF ASPHALT
	EXISTING 1' CONTOUR
	EXISTING 5' CONTOUR
	FINISH GRADE 1' CONTOUR
	EXISTING SANITARY SEWER
	NEW SANITARY SEWER
	NEW PRESSURE SEWER LATERAL
	EXISTING STORM DRAIN
	NEW STORM DRAIN
	EXISTING CULINARY WATER
	NEW CULINARY WATER
	NEW CULINARY WATER LATERAL
	NEW CULINARY WATER METER
	EXISTING FIRE HYDRANT
	NEW FIRE HYDRANT
	EXISTING SECONDARY WATER
	NEW SECONDARY WATER
	NEW DUAL SECONDARY WATER LATERAL
	NEW ASPHALT PAVING

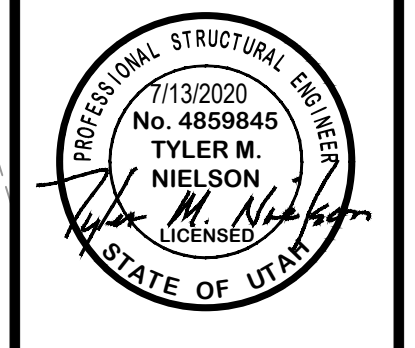


SCALE: 1" = 20'

REVISIONS	DATE	DESCRIPTION

DATE: 7/13/2020
 DESIGN: BBD/WJS
 DRAWN: BBD/WJS
 CHECKED: TAN

DWG: R-10208 - BAH INVESTMENT, CRIMSON RIDGE DESIGN, CRIMSON RIDGE - CDS.DWG



ENTRY ACCESS REGRADING

THE RESERVE AT CRIMSON RIDGE CLUSTER SUBD. PH. 2+3

1250 NORTH 5200 EAST

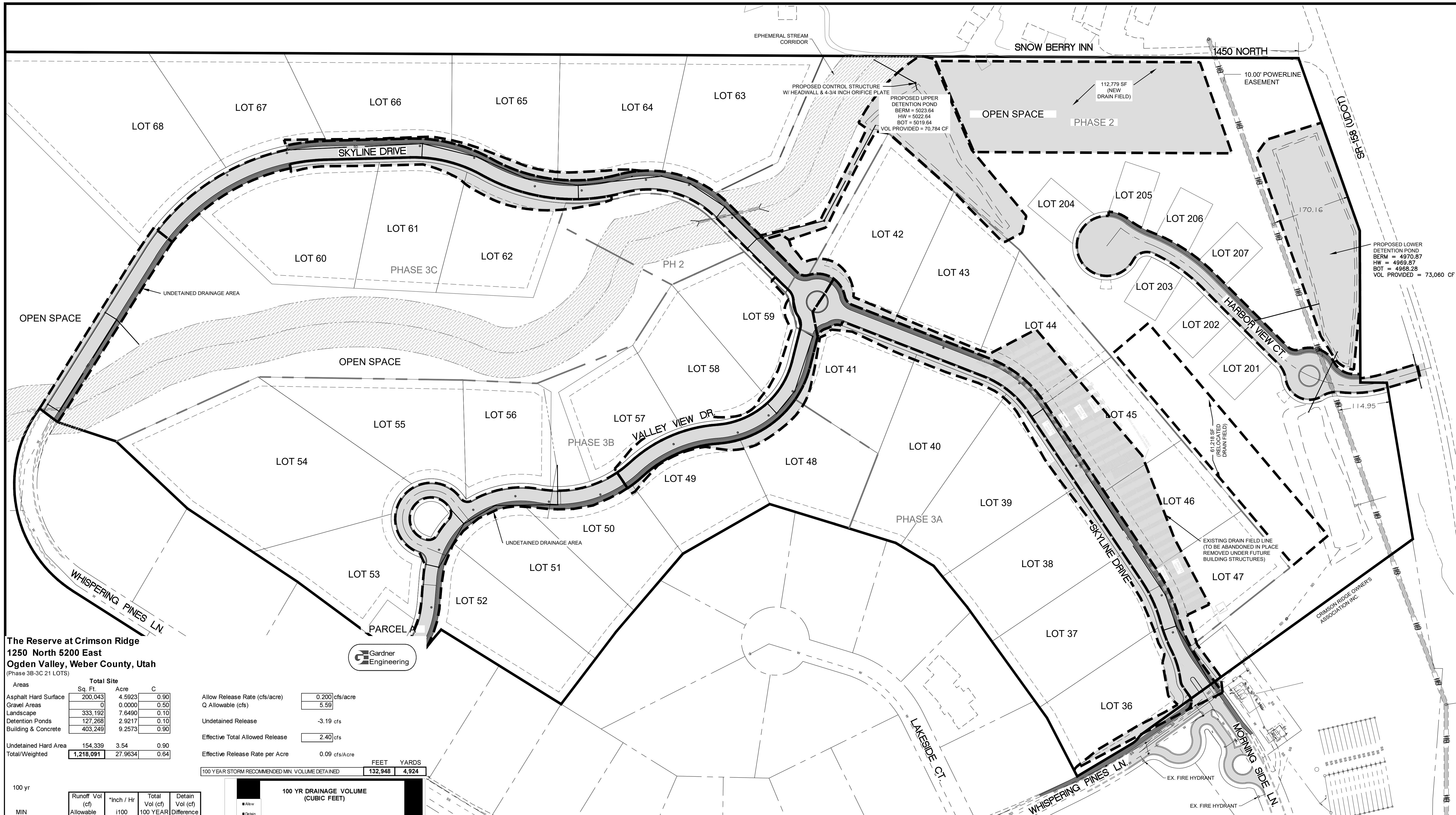
OGDEN VALLEY, WEBER COUNTY, UTAH

GARDNER ENGINEERING

CIVIL • LAND PLANNING
 MUNICIPAL • LAND SURVEYING

5150 SOUTH 375 EAST OGDEN, UT
 OFFICE: 801.476.0202 FAX: 801.476.0066

C4



The Reserve at Crimson Ridge
 1250 North 5200 East
 Ogden Valley, Weber County, Utah
 (Phase 3B-3C 21 LOTS)

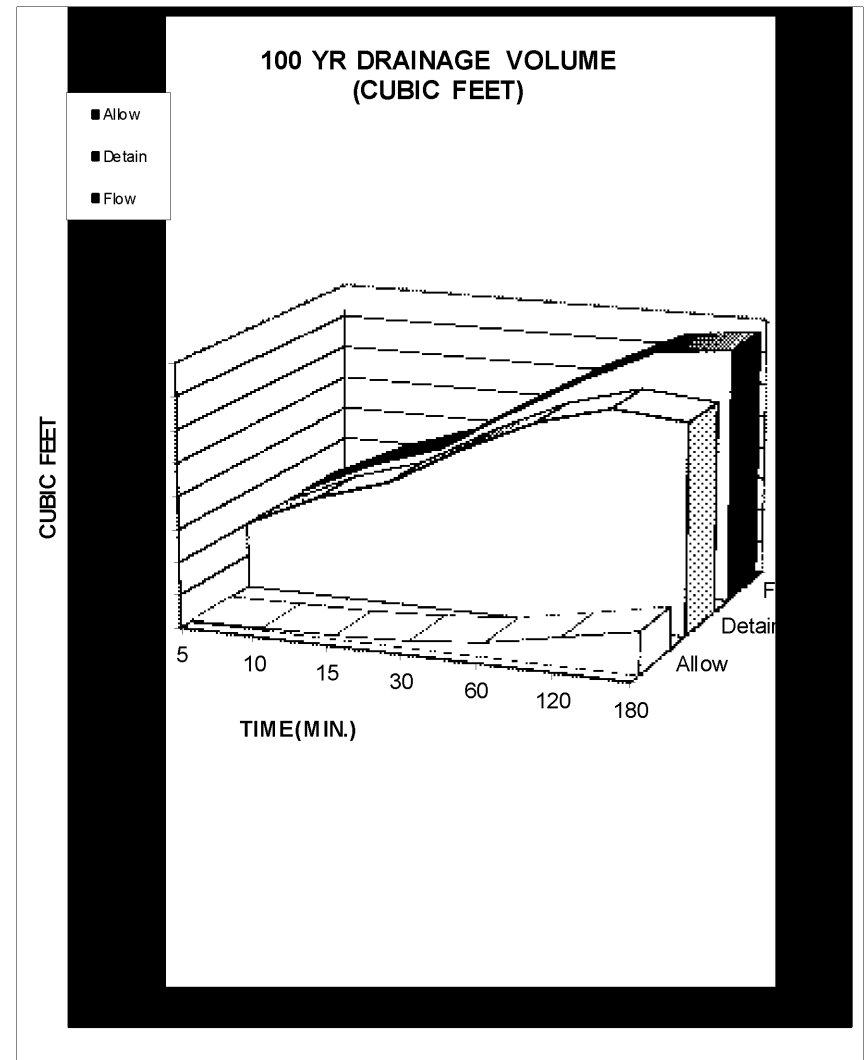
Areas	Sq. Ft.	Acres	C
Asphalt Hard Surface	200,043	4.5923	0.90
Gravel Areas	0	0.0000	0.50
Landscape	333,192	7.6490	0.10
Detention Ponds	127,268	2.9217	0.10
Building & Concrete	403,249	9.2573	0.90
Undetained Hard Area	154,339	3.54	0.90
Total/Weighted	1,218,091	27.9634	0.64

Allow Release Rate (cfs/acre)	0.200 cfs/acre
Q Allowable (cfs)	5.59
Undetained Release	-3.19 cfs
Effective Total Allowed Release	2.40 cfs
Effective Release Rate per Acre	0.09 cfs/Acre

100 YEAR STORM RECOMMENDED MIN. VOLUME DETAINED	FEET	YARDS
	132,948	4,924

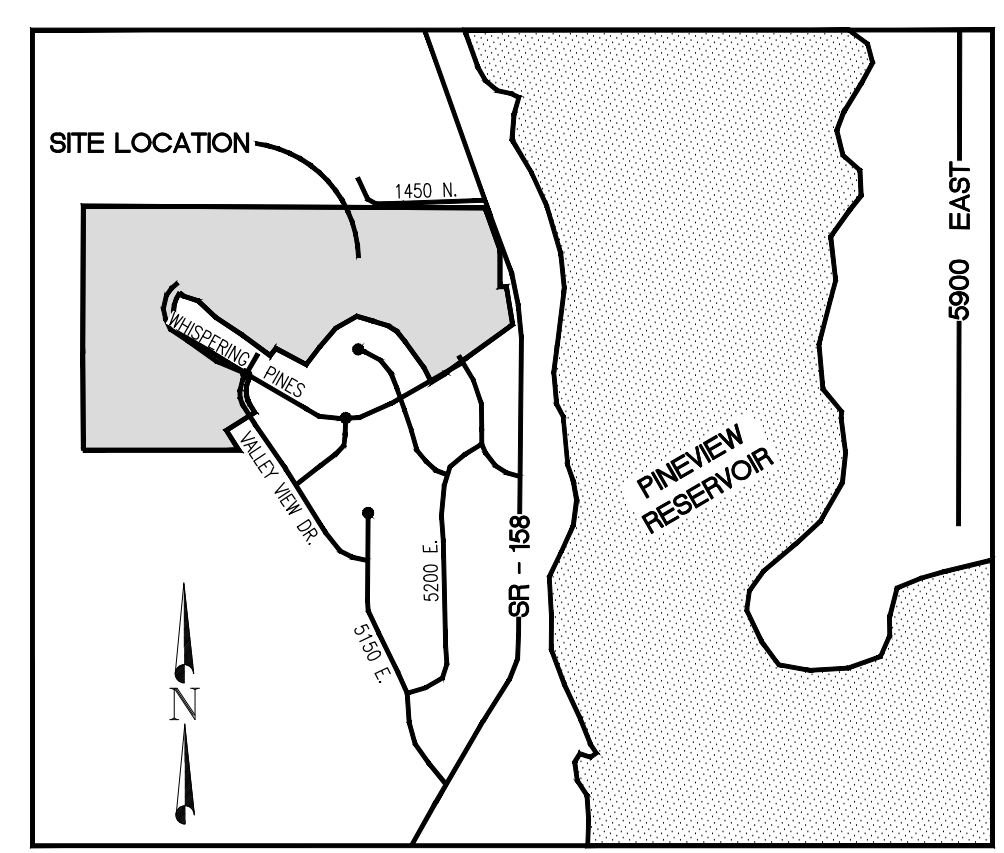
100 yr	Runoff Vol (cf)	Vol Allowable	*Inch / Hr	Total Vol (cf)	100 YEAR	Detain Vol (cf)	Difference
MIN							
5	721	721	7.57	40,856	40,135		
10	1,442	1,442	5.76	62,175	60,732		
15	2,163	2,163	4.76	77,071	74,507		
30	4,327	4,327	3.21	103,948	99,621		
60	8,654	8,654	1.99	128,883	120,229		
120	17,308	17,308	1.16	150,256	132,948		
180	25,962	25,962	0.797	154,854	128,892		
360	51,924	51,924	0.452	175,644	123,720		
720	103,847	103,847	0.286	222,275	118,428		
1440	207,695	207,695	0.166	258,025	50,331		

NOAA - Atlas 14



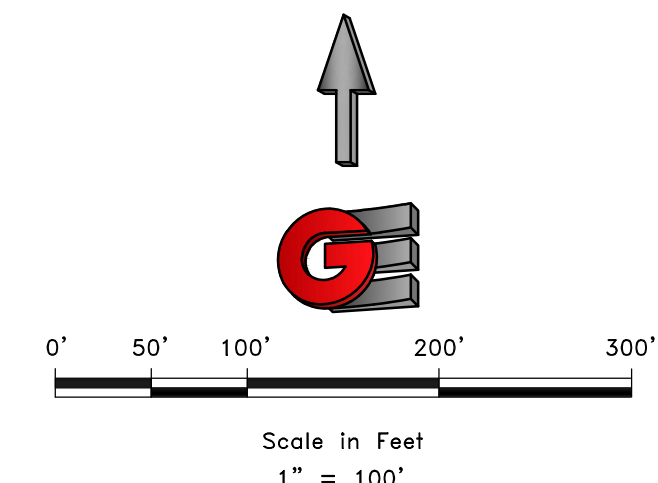
Orifice Calculation

H = 4 Maximum water height (ft)
 Q = 1.20 Flowrate out of orifice (cfs)
 Cc = 0.62 Coefficient of Contraction
 Cv = 0.98 Coefficient of Velocity
 Area = 0.123 Orifice Area (ft²)
 I = 3.14
 g = 32.17 Gravitational Constant
 d = 4.75 Orifice Diameter (in)
 d = 4 3/4 Orifice



LEGEND

- SUBDIVISION BOUNDARY
- ROAD CENTERLINE
- EXISTING EDGE OF ASPHALT
- EXISTING 1" CONTOUR
- EXISTING 5" CONTOUR
- FINISH GRADE 1" CONTOUR
- EXISTING SANITARY SEWER
- NEW SANITARY SEWER
- NEW PRESSURE SEWER LATERAL
- EXISTING STORM DRAIN
- NEW STORM DRAIN
- EXISTING CULINARY WATER
- NEW CULINARY WATER
- NEW CULINARY WATER LATERAL
- NEW CULINARY WATER METER
- EXISTING FIRE HYDRANT
- NEW FIRE HYDRANT
- EXISTING SECONDARY WATER
- NEW SECONDARY WATER
- NEW DUAL SECONDARY WATER LATERAL
- NEW ASPHALT PAVING



SCALE: 1" = 100'

DATE: 7/13/2020
 DESIGN: BBD/JWS
 DRAWN: BBD/JWS
 CHECKED: TAN

DWG: R:\0208 - BAH INVESTMENT\CRIMSON RIDGE\DESIGN\DWG\CRIMSON RIDGE - C5.DWG

REVISIONS

DATE	DESCRIPTION

PROFESSIONAL STRUCTURAL ENGINEER
 No. 4859845
 TYLER M. NIELSON
 LICENSED
 STATE OF UTAH

DRAINAGE CALCS

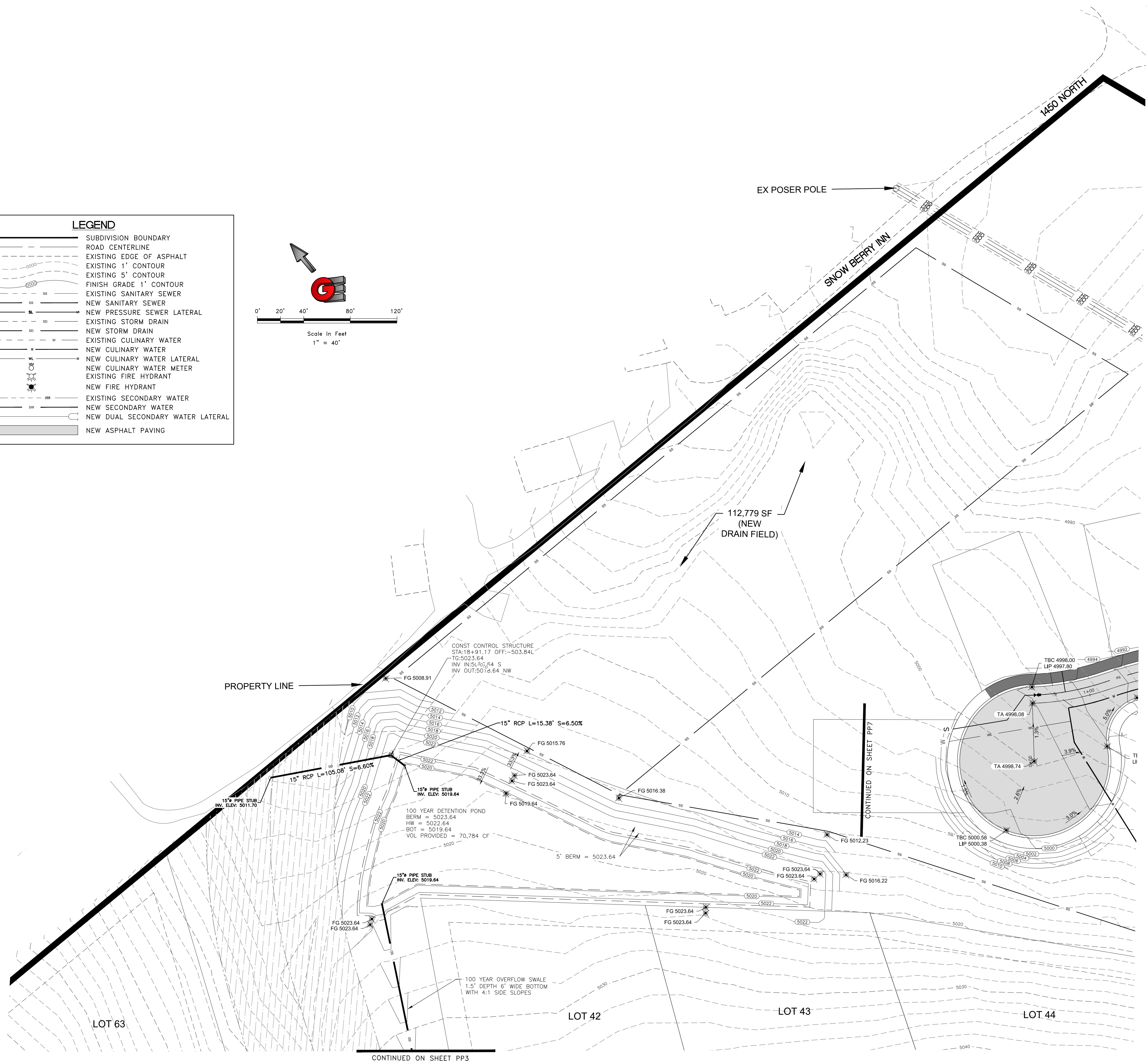
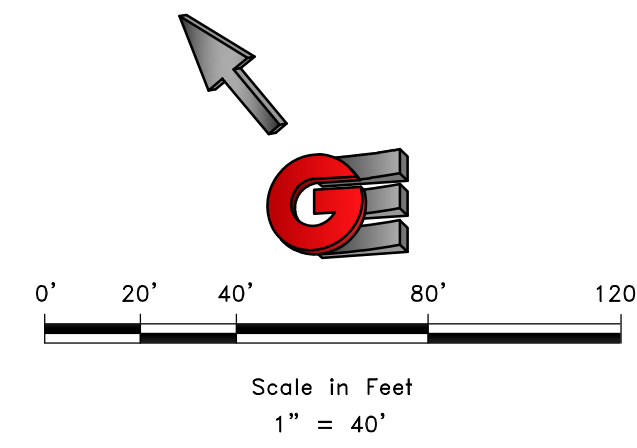
THE RESERVE AT CRIMSON RIDGE CLUSTER SUBD. PH 2+3
 1250 NORTH 5200 EAST
 OGDEN VALLEY, WEBER COUNTY, UTAH

GARDNER ENGINEERING
 CIVIL • LAND PLANNING
 MUNICIPAL • LAND SURVEYING

5150 SOUTH 375 EAST OGDEN, UT
 OFFICE: 801.476.0202 FAX: 801.476.0866

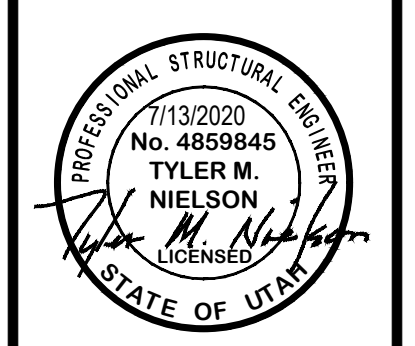
C5

LEGEND	
	SUBDIVISION BOUNDARY
	ROAD CENTERLINE
	EXISTING EDGE OF ASPHALT
	EXISTING 1' CONTOUR
	EXISTING 5' CONTOUR
	FINISH GRADE 1' CONTOUR
	EXISTING SANITARY SEWER
	NEW SANITARY SEWER
	NEW PRESSURE SEWER LATERAL
	EXISTING STORM DRAIN
	NEW STORM DRAIN
	EXISTING CULINARY WATER
	NEW CULINARY WATER
	NEW CULINARY WATER LATERAL
	NEW CULINARY WATER METER
	EXISTING FIRE HYDRANT
	NEW FIRE HYDRANT
	EXISTING SECONDARY WATER
	NEW SECONDARY WATER
	NEW DUAL SECONDARY WATER LATERAL
	NEW ASPHALT PAVING



SCALE	1" = 40'
DATE	7/13/2020
DESIGN	BBJ/MLB
DRAWN	BBJ/MLB
CHECKED	TJM

REVISIONS	DESCRIPTION
DATE	

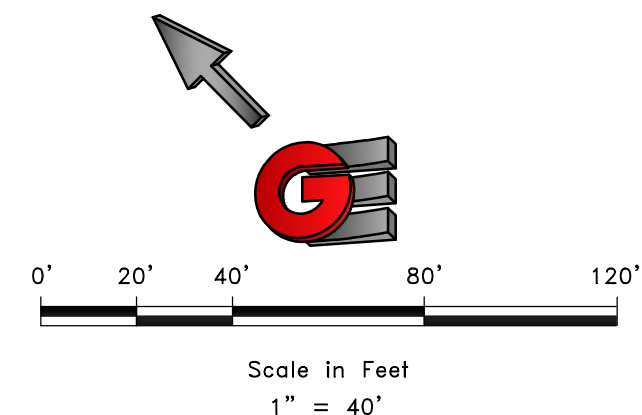
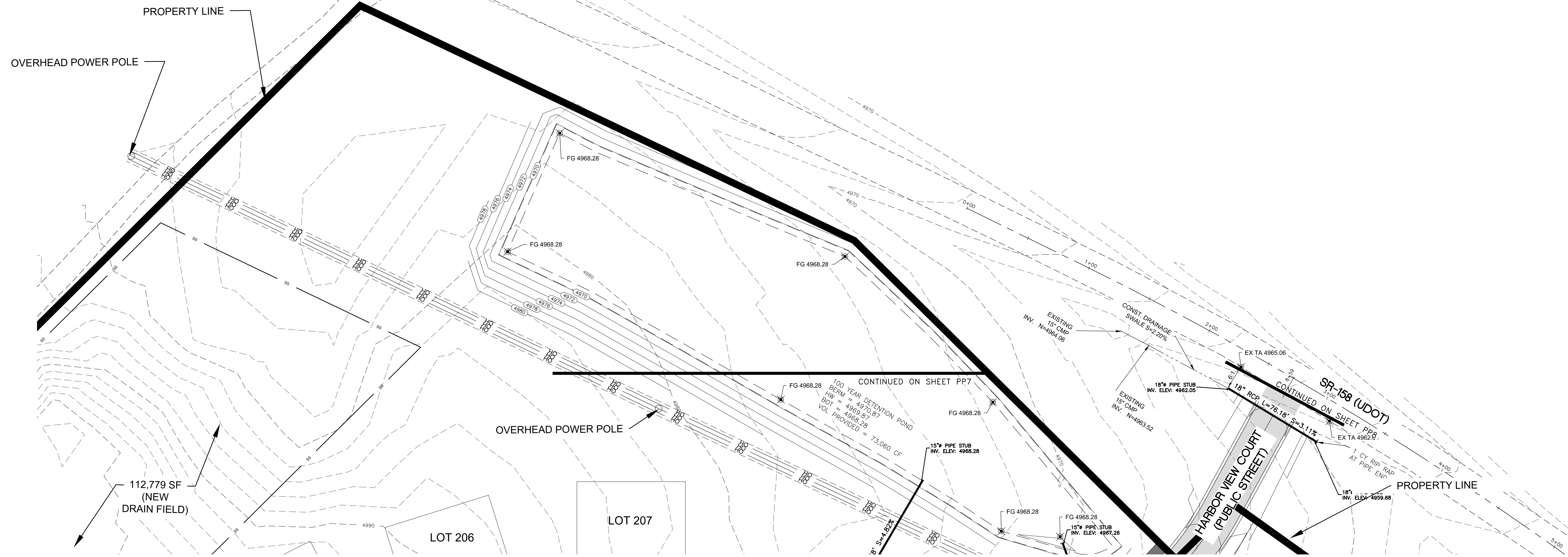


UPPER DETENTION POND
 THE RESERVE AT CRIMSON RIDGE CLUSTER SUBD. PH 2+3
 1250 NORTH 5200 EAST
 OGDEN VALLEY, WEBER COUNTY, UTAH

GARDNER ENGINEERING
 CIVIL-LAND PLANNING
 MUNICIPAL-LAND SURVEYING

5150 SOUTH 375 EAST OGDEN, UT
 OFFICE: 801.476.0202 FAX: 801.476.0066

C6



LEGEND	
	SUBDIVISION BOUNDARY
	ROAD CENTERLINE
	EXISTING EDGE OF ASPHALT
	EXISTING 1' CONTOUR
	EXISTING 5' CONTOUR
	FINISH GRADE 1' CONTOUR
	EXISTING SANITARY SEWER
	NEW SANITARY SEWER
	NEW PRESSURE SEWER LATERAL
	EXISTING STORM DRAIN
	NEW STORM DRAIN
	EXISTING CULINARY WATER
	NEW CULINARY WATER
	NEW CULINARY WATER LATERAL
	NEW CULINARY WATER METER
	EXISTING FIRE HYDRANT
	NEW FIRE HYDRANT
	EXISTING SECONDARY WATER
	NEW SECONDARY WATER
	NEW DUAL SECONDARY WATER LATERAL
	NEW ASPHALT PAVING

REVISIONS	
DATE	DESCRIPTION

SCALE: 1" = 40'

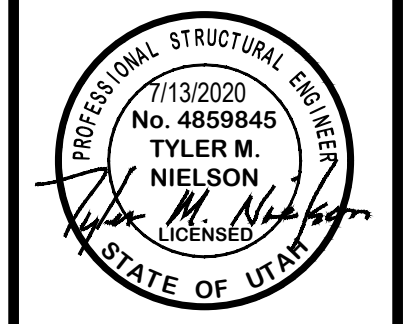
DATE: 7/13/2020

DESIGN: BSO/MUS

DRAWN: BSO/MUS

CHECKED: TMN

DWG.: R:\2020 - BAH INVESTMENT\CRIMSON RIDGE\DESIGN\DWG\CRIMSON RIDGE - CDS.DWG



LOWER DETENTION POND

THE RESERVE AT CRIMSON RIDGE CLUSTER SUBD. PH 2+3

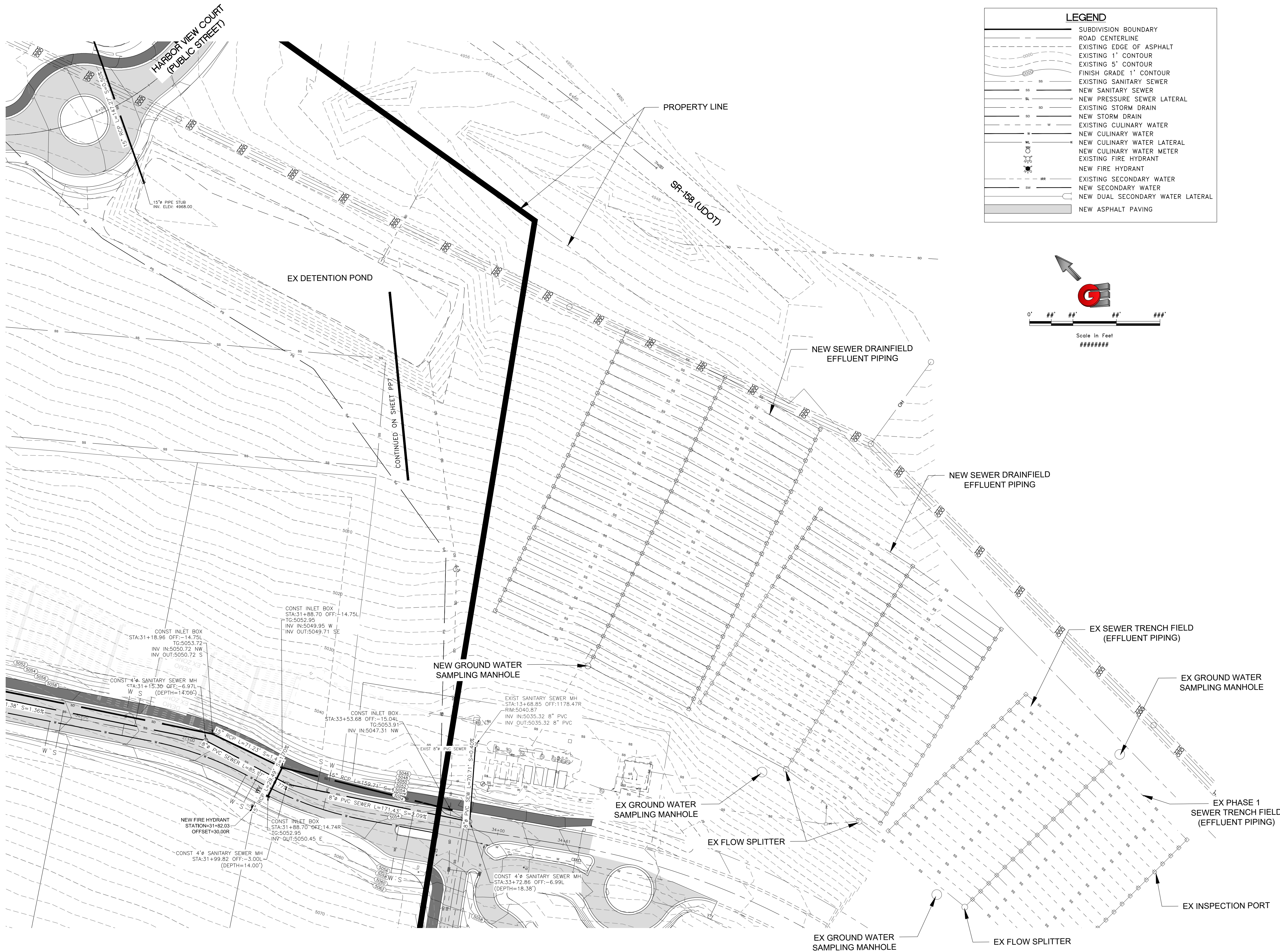
1250 NORTH 5200 EAST

OGDEN VALLEY, WEBER COUNTY, UTAH

GARDNER ENGINEERING

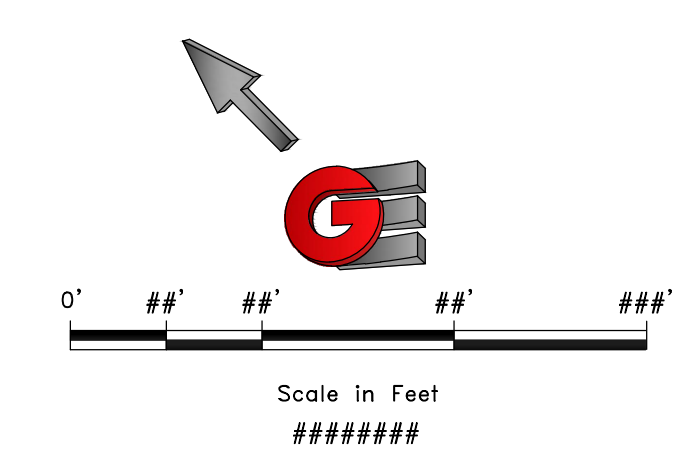
CIVIL - LAND PLANNING
MUNICIPAL - LAND SURVEYING

5150 SOUTH 375 EAST OGDEN, UT
OFFICE: 801.476.0202 FAX: 801.476.0066

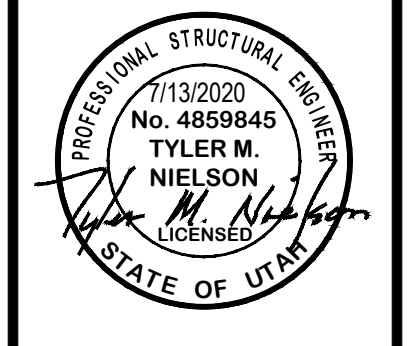


LEGEND

	SUBDIVISION BOUNDARY
	ROAD CENTERLINE
	EXISTING EDGE OF ASPHALT
	EXISTING 1' CONTOUR
	EXISTING 5' CONTOUR
	FINISH GRADE 1' CONTOUR
	EXISTING SANITARY SEWER
	NEW SANITARY SEWER
	EXISTING PRESSURE SEWER LATERAL
	NEW PRESSURE SEWER LATERAL
	EXISTING STORM DRAIN
	NEW STORM DRAIN
	EXISTING CULINARY WATER
	NEW CULINARY WATER
	EXISTING CULINARY WATER LATERAL
	NEW CULINARY WATER LATERAL
	EXISTING FIRE HYDRANT
	NEW FIRE HYDRANT
	EXISTING SECONDARY WATER
	NEW SECONDARY WATER
	EXISTING DUAL SECONDARY WATER LATERAL
	NEW DUAL SECONDARY WATER LATERAL
	NEW ASPHALT PAVING

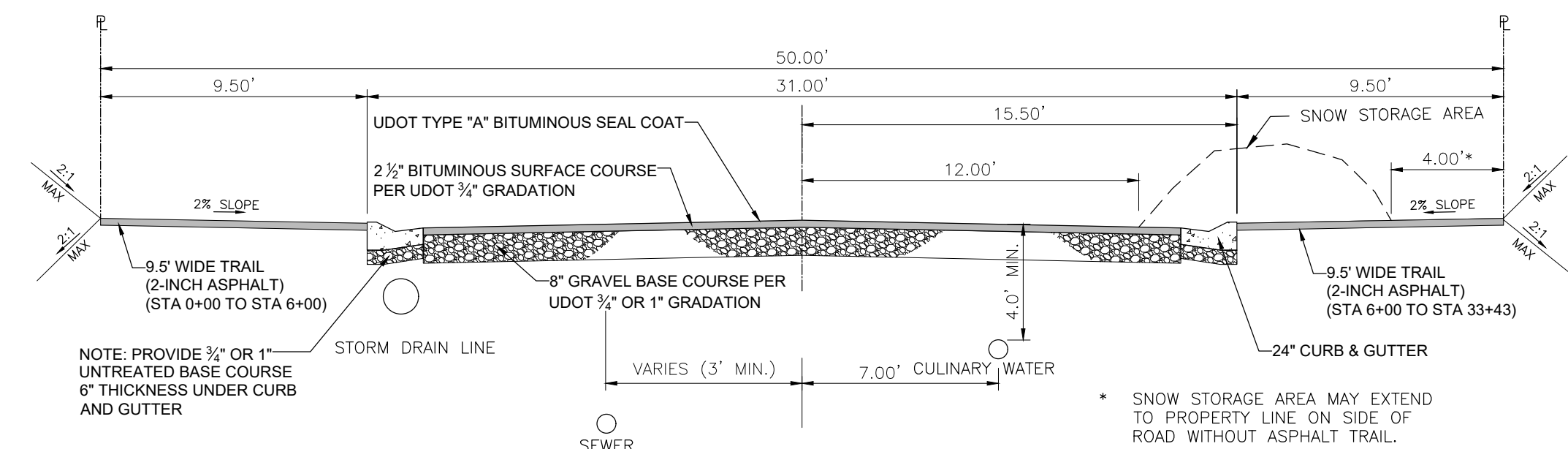


SCALE: *****
 DATE: 7/19/2020
 DESIGN: BBD/MS
 DRAWN: BBD/MS
 CHECKED: TMN
 DWG#: R:\2020 - BAH INVESTMENT\CRIMSON RIDGE\DESIGN\DWG\CRIMSON RIDGE - CDS.DWG

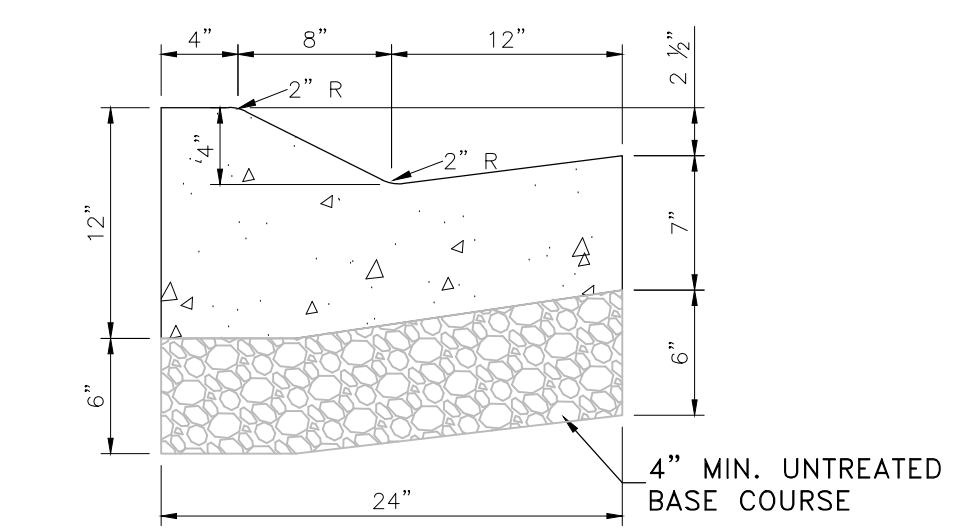


SEWER DRAIN FIELD EXPANSION
 THE RESERVE AT CRIMSON RIDGE CLUSTER SUBD. PH 2+3
 1250 NORTH 5200 EAST
 OGDEN VALLEY, WEBER COUNTY, UTAH

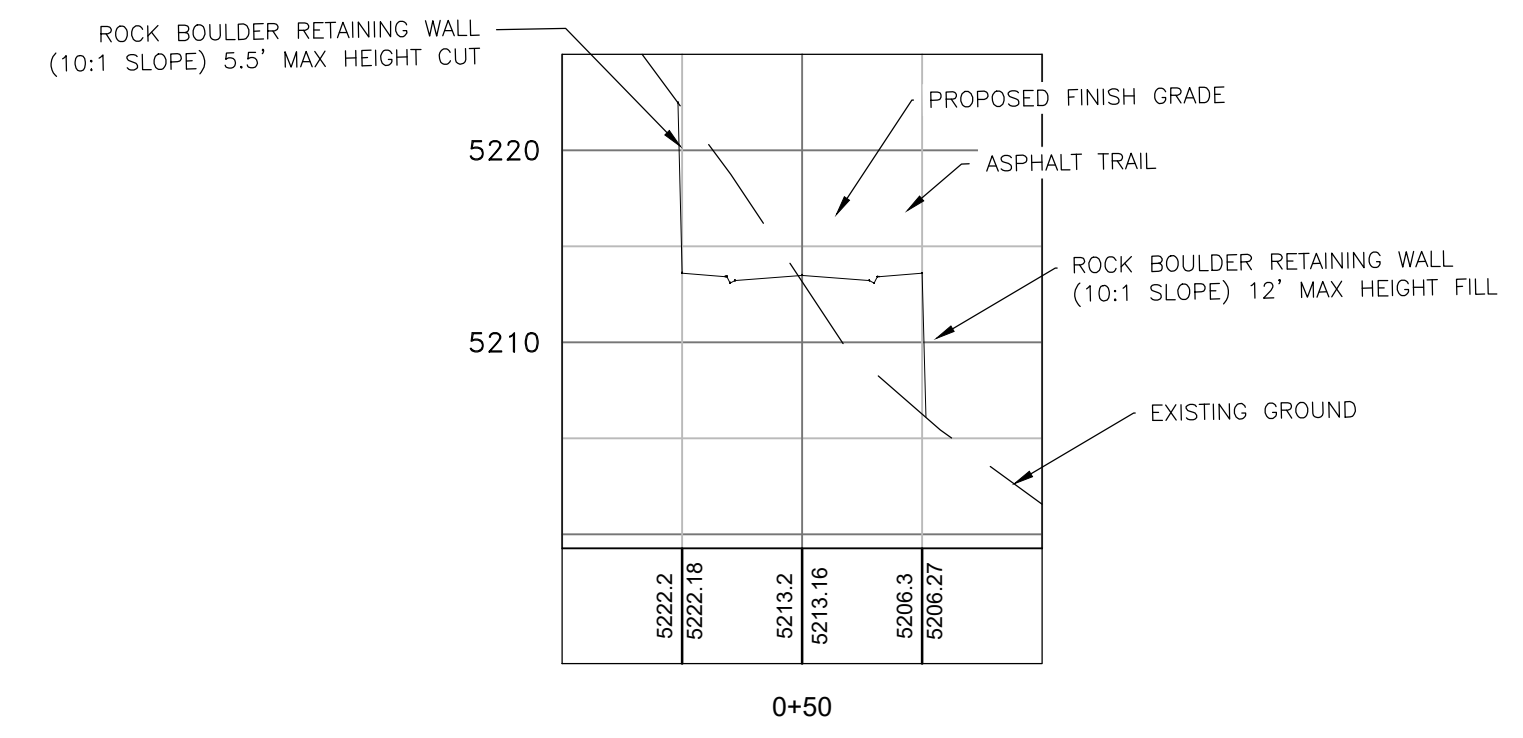
GARDNER ENGINEERING
 CIVIL-LAND PLANNING
 MUNICIPAL-LAND SURVEYING
 5150 SOUTH 375 EAST OGDEN, UT
 OFFICE: 801-476-0202 FAX: 801-476-0066



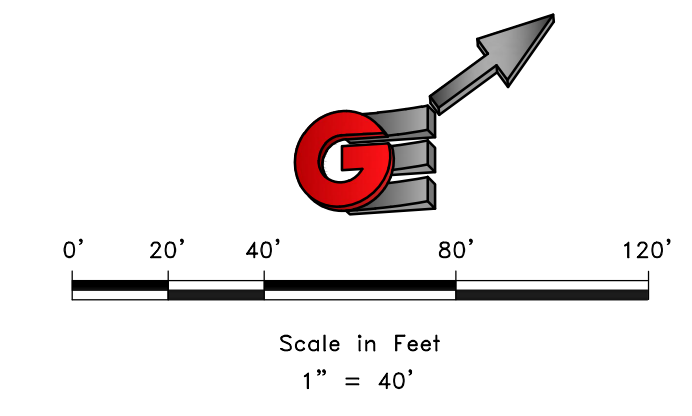
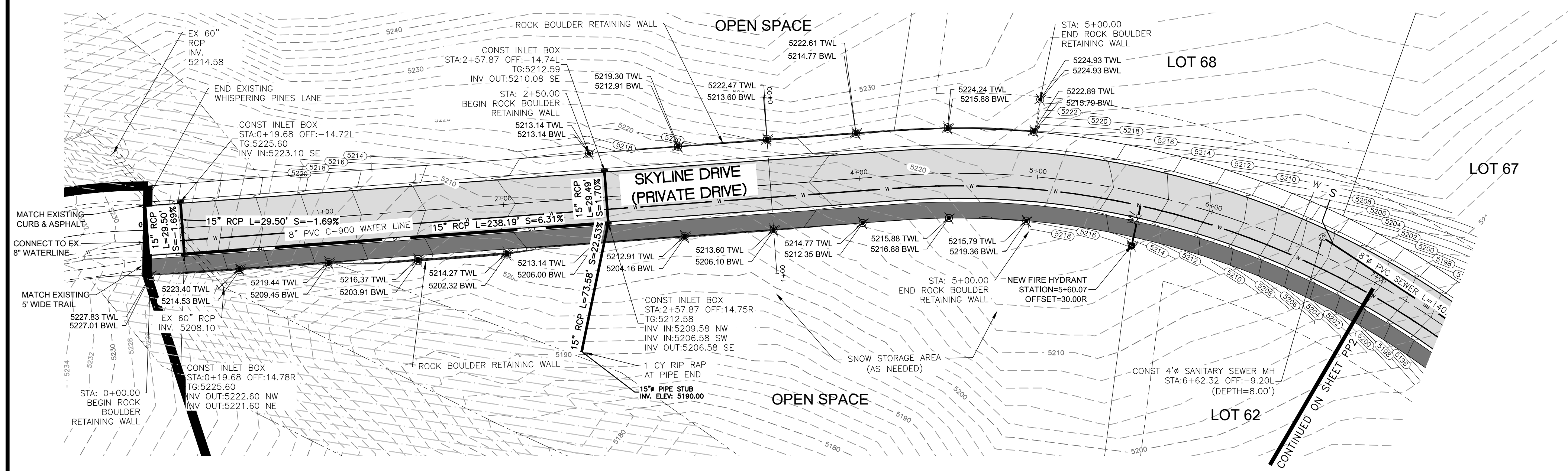
TYPICAL 50' ROW - PRIVATE ROAD SECTION
NOT TO SCALE



TYPICAL 24' TYPE M-1 CURB AND GUTTER
(NOT TO SCALE)

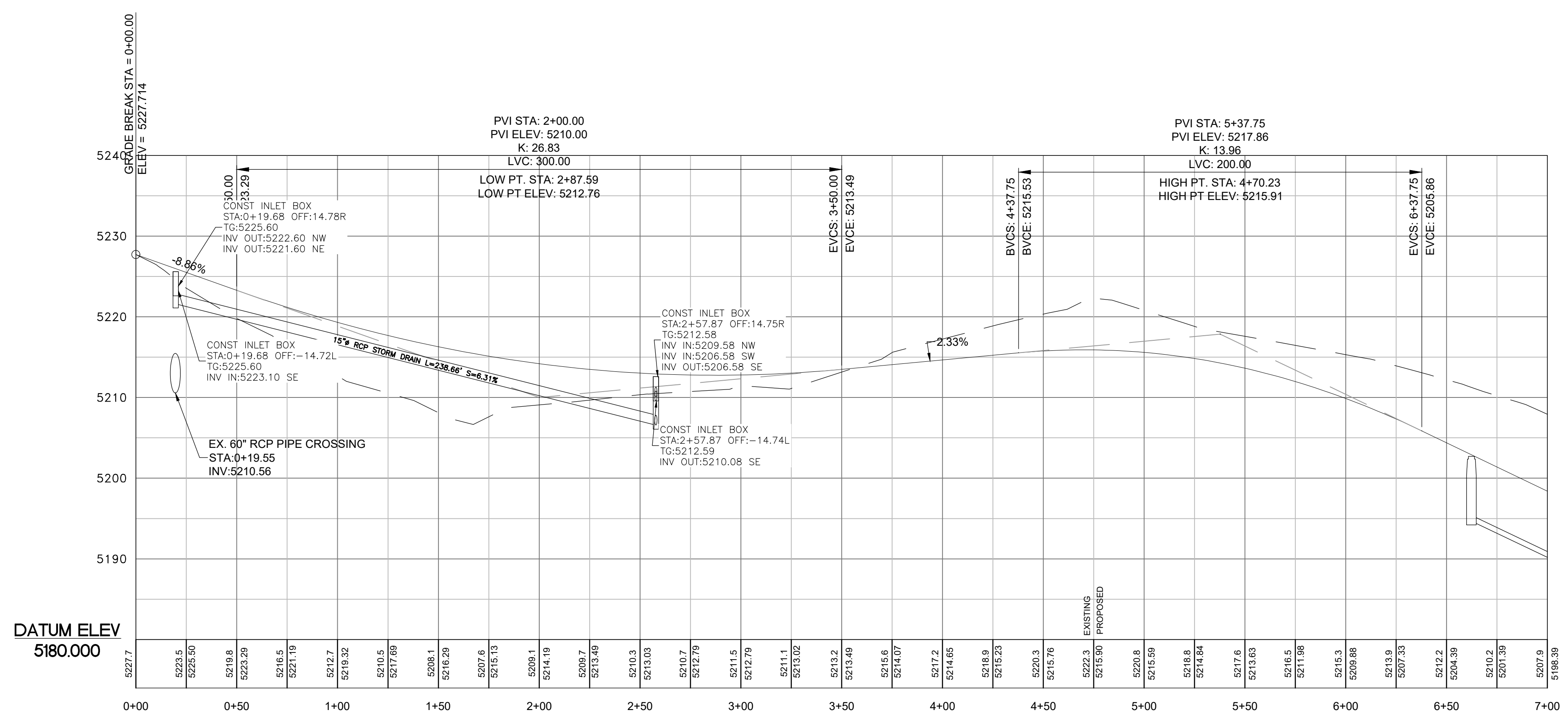


CROSS SECTION VIEW STA 3+50
(APPLIES FOR STA 2+75 - STA 5+00)



LEGEND

	SUBDIVISION BOUNDARY
	ROAD CENTERLINE
	EXISTING EDGE OF ASPHALT
	EXISTING 1' CONTOUR
	EXISTING 5' CONTOUR
	FINISH GRADE 1' CONTOUR
	EXISTING SANITARY SEWER
	NEW SANITARY SEWER
	NEW PRESSURE SEWER LATERAL
	EXISTING STORM DRAIN
	NEW STORM DRAIN
	EXISTING CULINARY WATER
	NEW CULINARY WATER
	NEW CULINARY WATER LATERAL
	NEW CULINARY WATER METER
	EXISTING FIRE HYDRANT
	NEW FIRE HYDRANT
	EXISTING SECONDARY WATER
	NEW SECONDARY WATER
	NEW DUAL SECONDARY WATER LATERAL
	NEW ASPHALT PAVING



SCALE: 1" = 40'

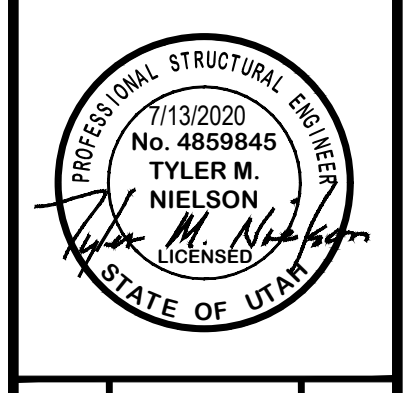
DATE: 7/19/2020

DESIGN: BBD/MLB

DRAWN: BBD/MLB

CHECKED: TMM

DWG: 15150204 - 884 INVESTMENT/CRIMSON RIDGE/DESIGN/CRIMSON RIDGE - COS.DWG



SKYLINE DRIVE - PLAN AND PROFILE

THE RESERVE AT CRIMSON RIDGE CLUSTER SUBD. PH 2+3

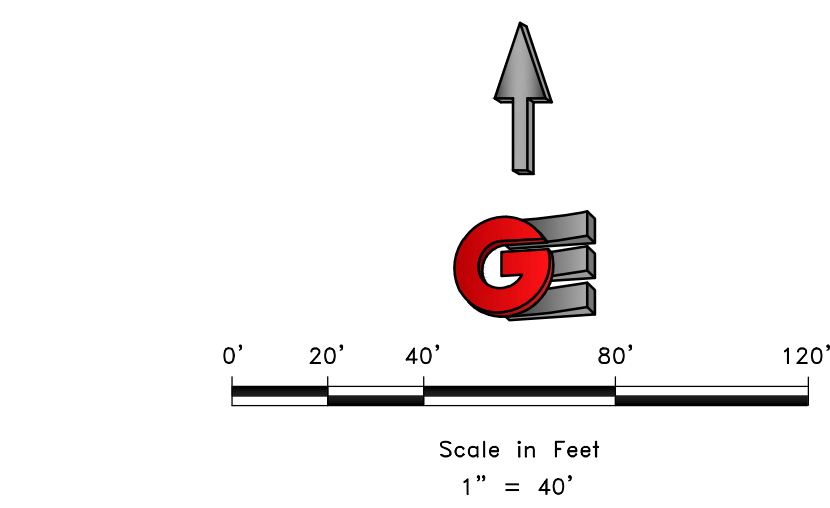
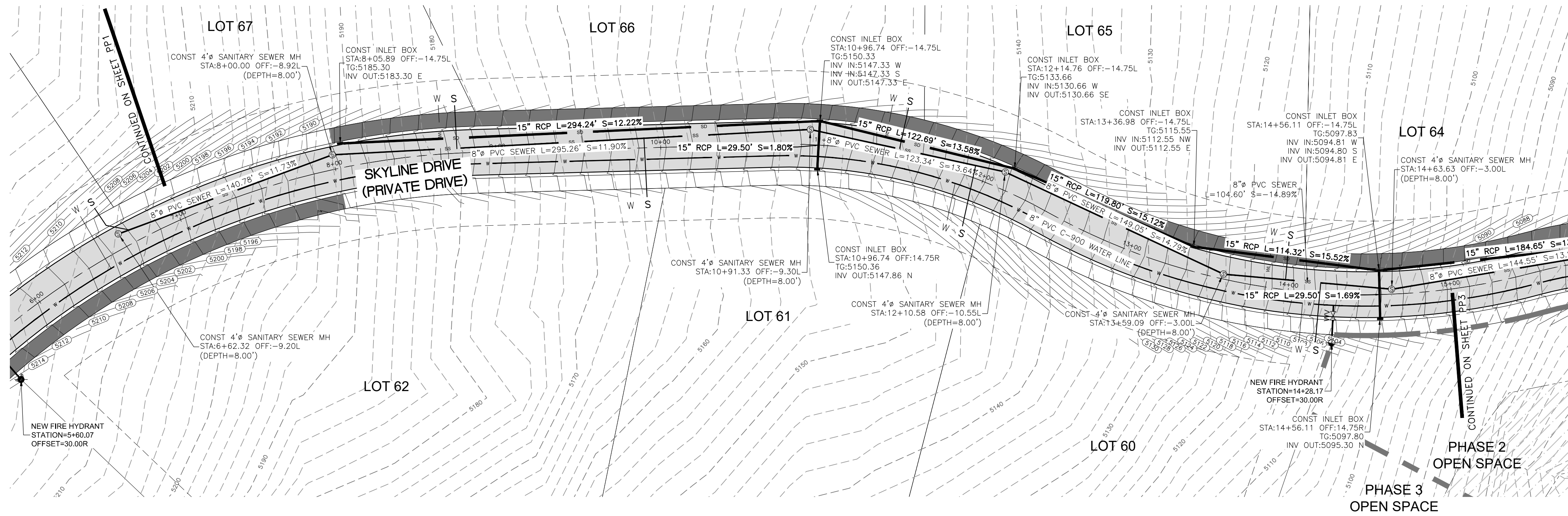
1250 NORTH 5200 EAST

OGDEN VALLEY, WEBER COUNTY, UTAH

GARDNER ENGINEERING

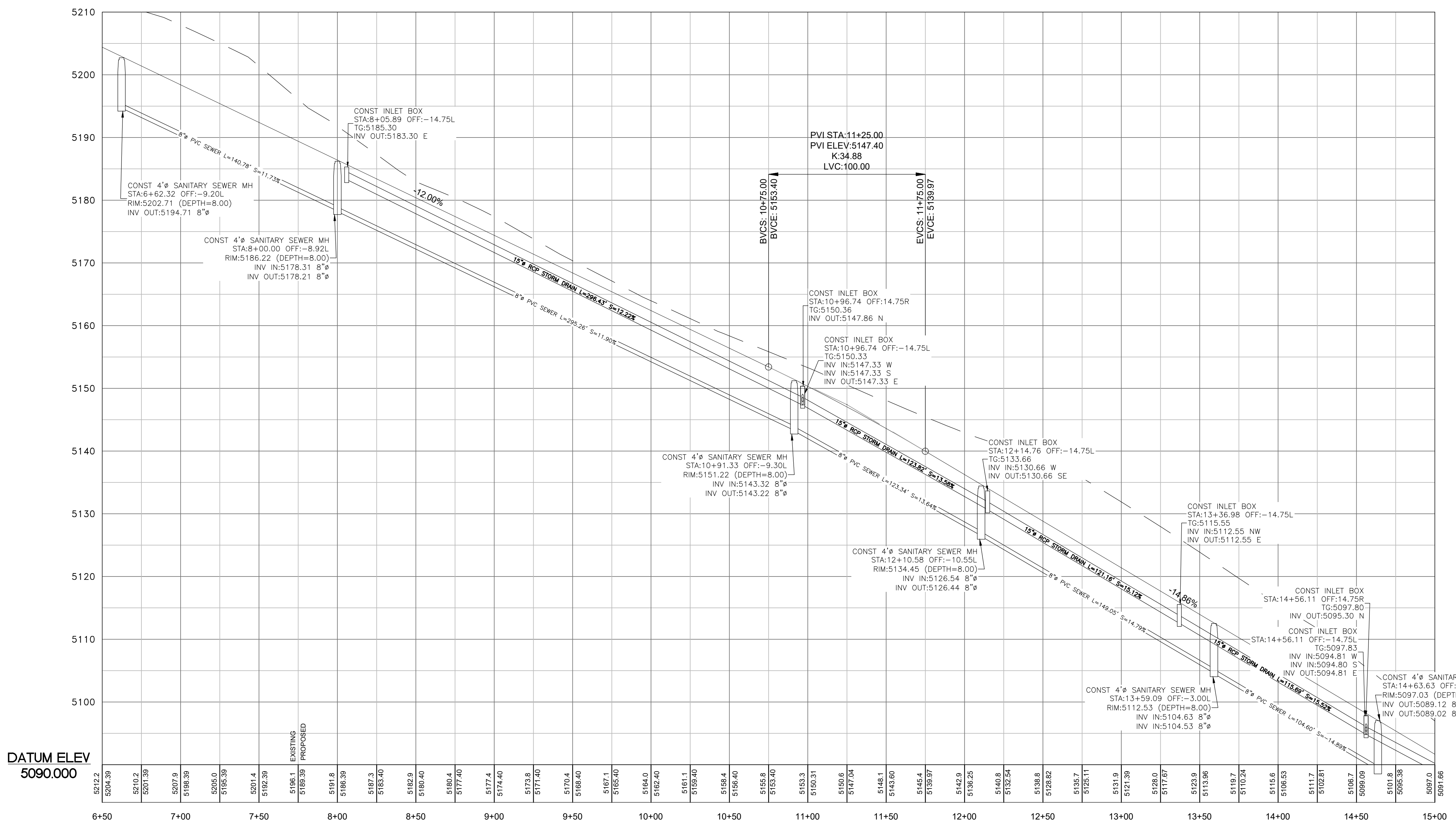
CIVIL-LAND PLANNING
MUNICIPAL-LAND SURVEYING

5150 SOUTH 375 EAST OGDEN, UT
OFFICE: 801.476.0202 FAX: 801.476.0066



LEGEND

	SUBDIVISION BOUNDARY
	ROAD CENTERLINE
	EXISTING EDGE OF ASPHALT
	EXISTING 1' CONTOUR
	EXISTING 5' CONTOUR
	FINISH GRADE 1' CONTOUR
	EXISTING SANITARY SEWER
	NEW SANITARY SEWER
	NEW PRESSURE SEWER LATERAL
	EXISTING STORM DRAIN
	NEW STORM DRAIN
	EXISTING CULINARY WATER
	NEW CULINARY WATER
	NEW CULINARY WATER LATERAL
	NEW CULINARY WATER METER
	EXISTING FIRE HYDRANT
	NEW FIRE HYDRANT
	EXISTING SECONDARY WATER
	NEW SECONDARY WATER
	NEW DUAL SECONDARY WATER LATERAL
	NEW ASPHALT PAVING



SCALE: 1" = 40'	DATE: 7/19/2020	DESIGN: BSO/MJS	DRAWN: BSO/MJS	CHECKED: TMN
REVISIONS	DESCRIPTION			
DATE				

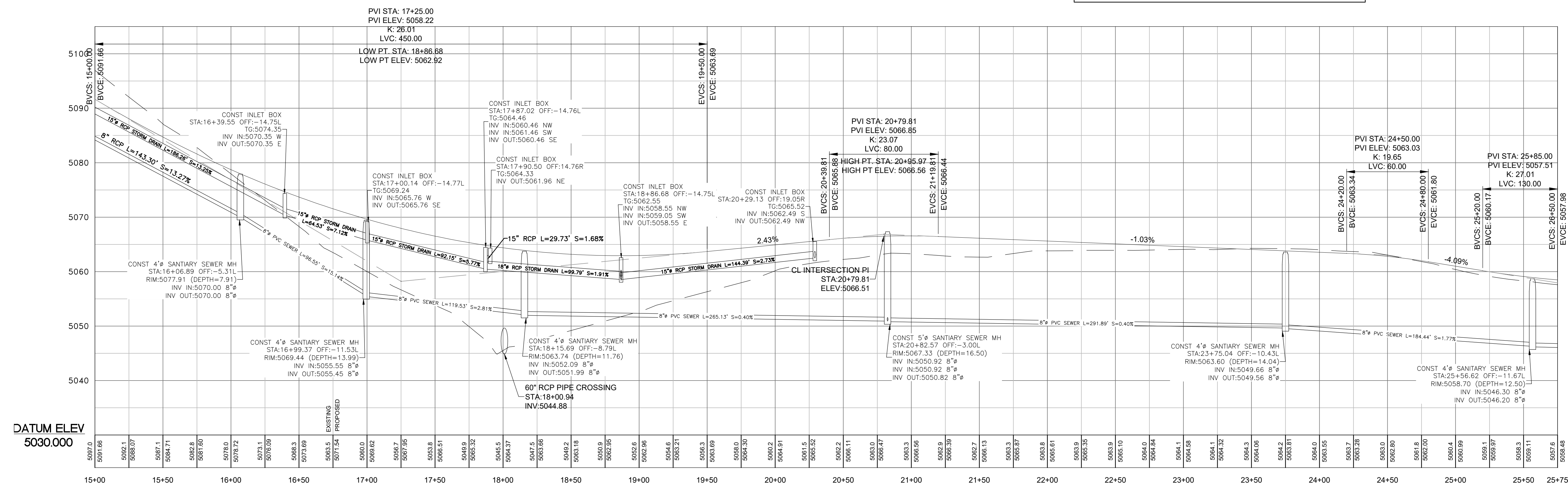
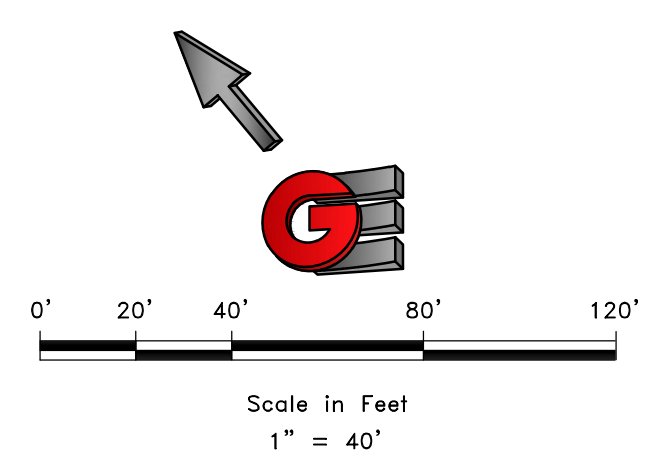
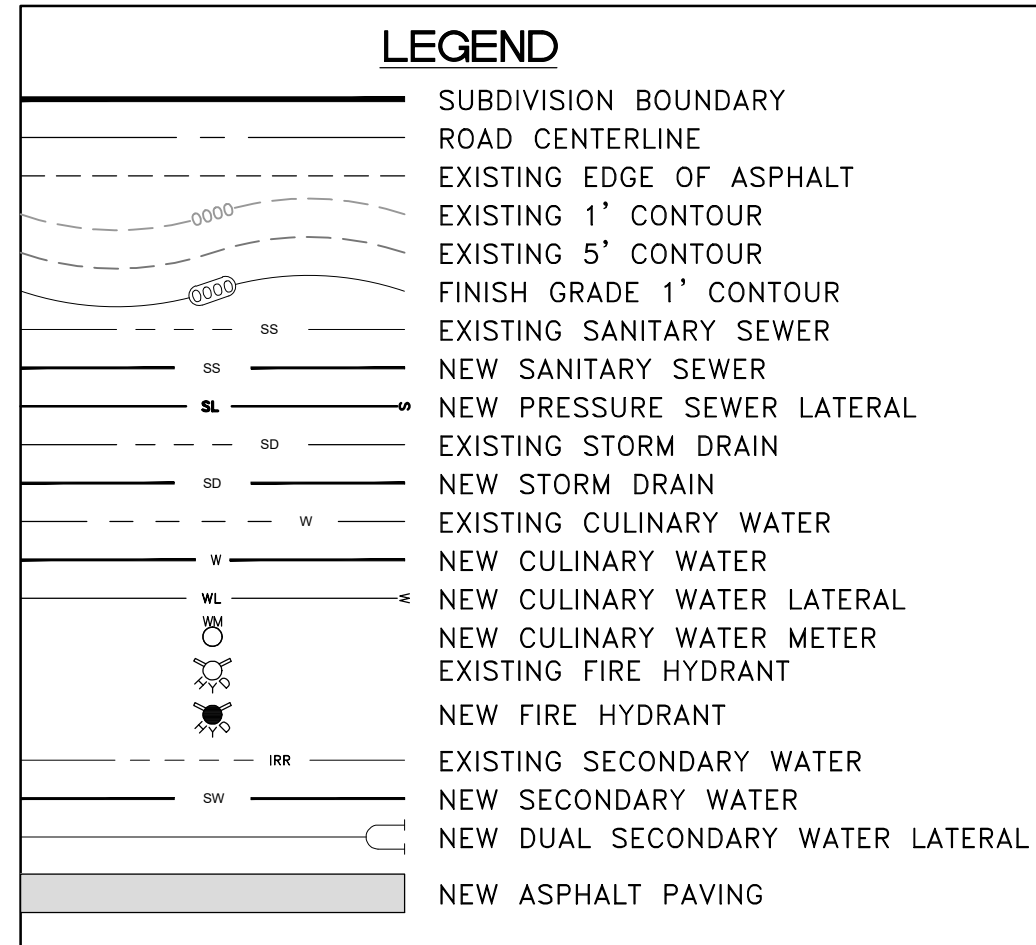
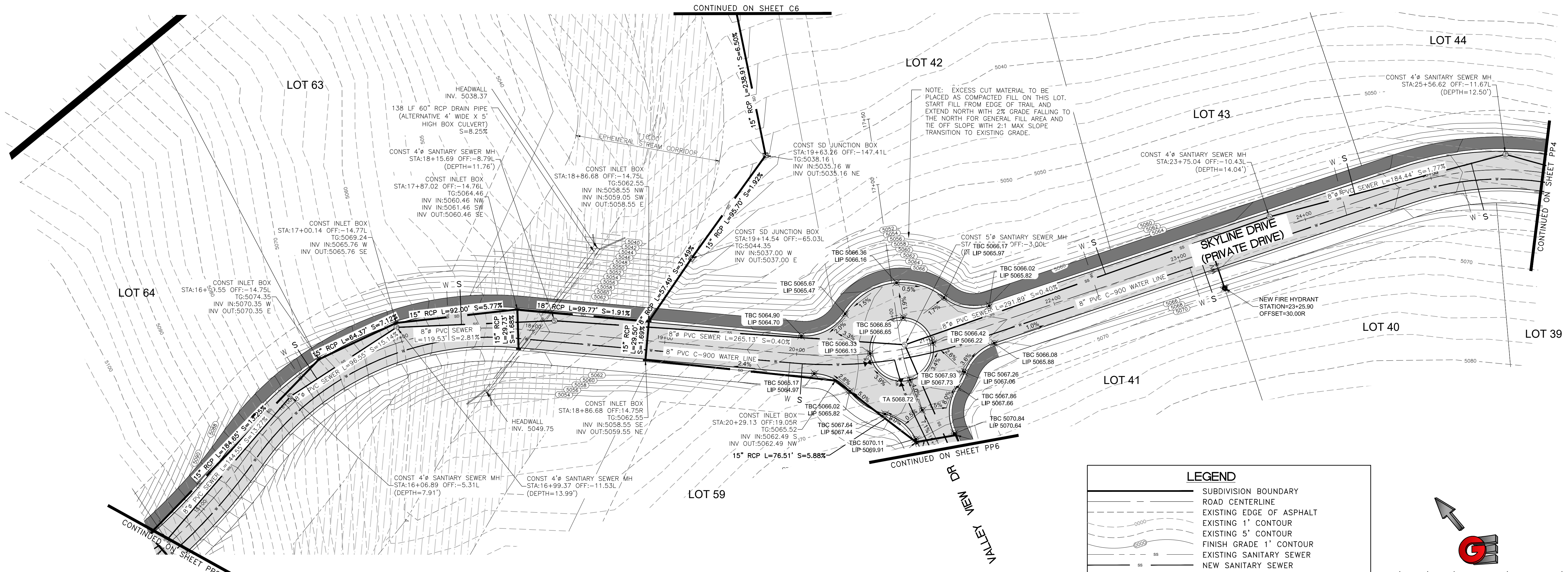
PROFESSIONAL STRUCTURAL ENGINEER
 7/13/2020
 No. 4859845
 TYLER M. NIELSON
 LICENSED
 STATE OF UTAH

SKYLINE DRIVE - PLAN AND PROFILE
 THE RESERVE AT CRIMSON RIDGE CLUSTER SUBD. PH 2+3
 1250 NORTH 5200 EAST
 OGDEN VALLEY, WEBER COUNTY, UTAH

GARDNER ENGINEERING
 CIVIL-LAND PLANNING
 MUNICIPAL-LAND SURVEYING

5150 SOUTH 375 EAST OGDEN, UT
 OFFICE: 801.476.0202 FAX: 801.476.0066

PP2



SCALE: 1" = 40'

DATE: 7/19/2020

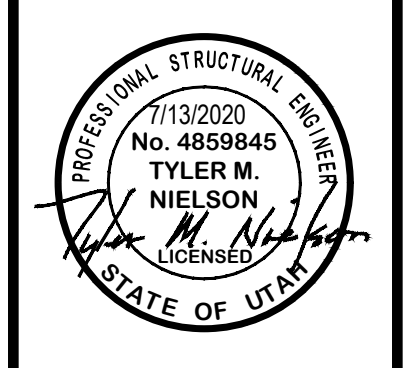
DESIGN: BSO/ML/S

DRAWN: BSO/ML/S

CHECKED: T/M

DMG: 8/1/2024 - B&B INVESTMENT/CRIMSON RIDGE DESIGN/CRIMSON RIDGE - COS.DWG

REVISIONS	DESCRIPTION
DATE	



SKYLINE DRIVE - PLAN AND PROFILE

THE RESERVE AT CRIMSON RIDGE CLUSTER SUBD. PH 2+3

1250 NORTH 5200 EAST

OGDEN VALLEY, WEBER COUNTY, UTAH

GARDNER ENGINEERING

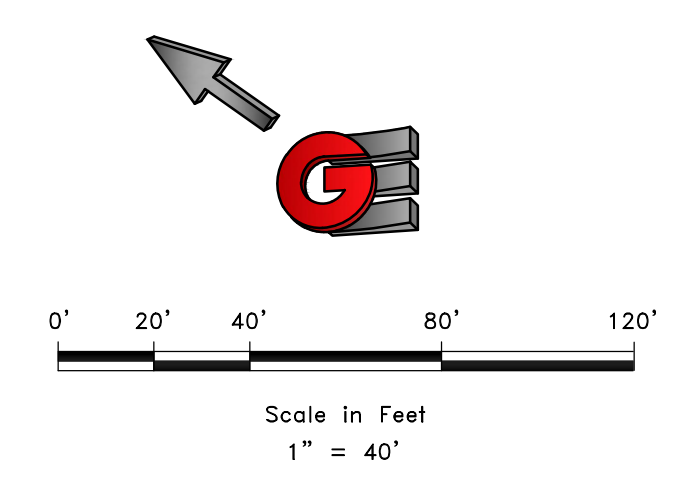
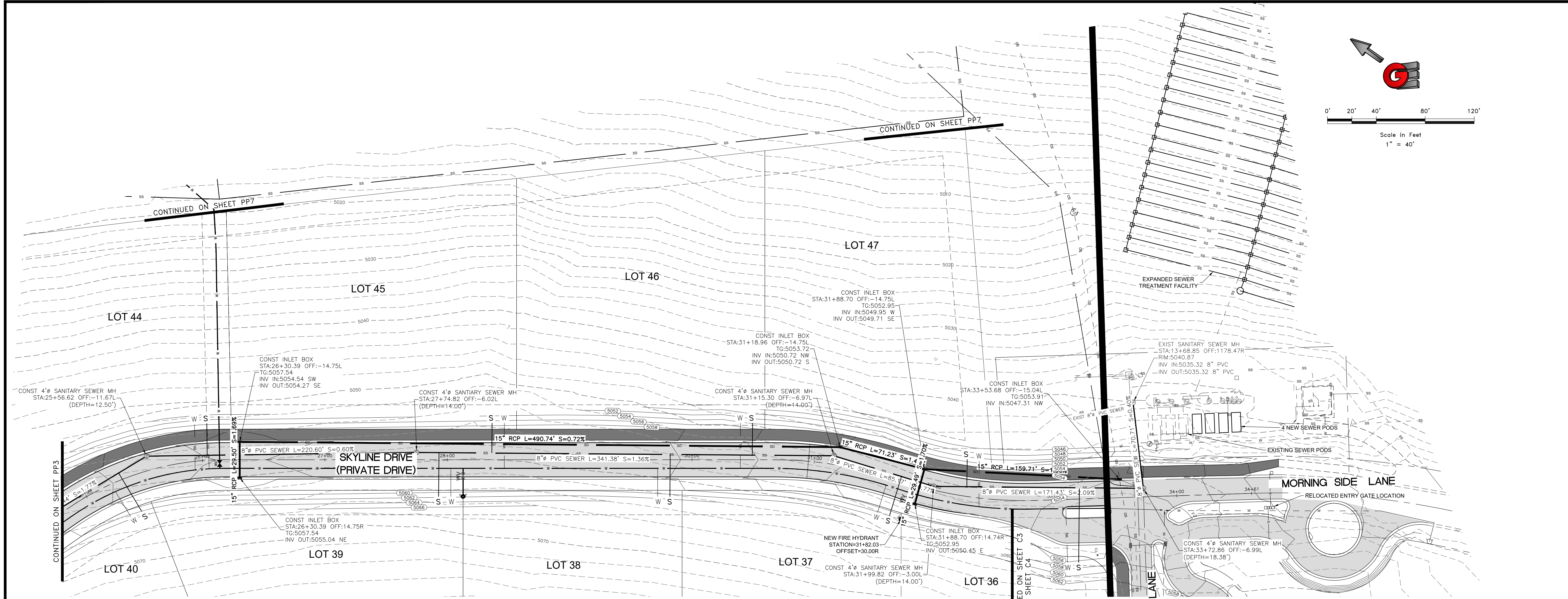
CIVIL-LAND PLANNING

MUNICIPAL-LAND SURVEYING

5150 SOUTH 375 EAST OGDEN, UT

OFFICE: 801.476.0202 FAX: 801.476.0066

PP3



SCALE: 1" = 40'

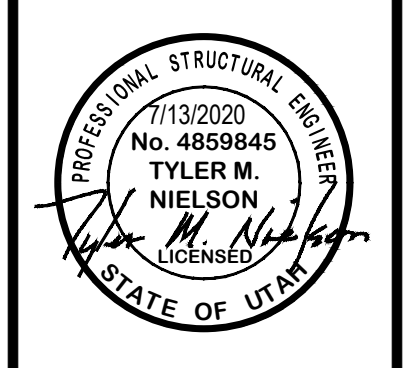
DATE: 7/19/2020

DESIGN: BBD/MS

DRAWN: BBD/MS

CHECKED: TMN

DWG: R:\2020 - BAAI INVESTMENT\CRIMSON RIDGE\DESIGN\DWG\CRIMSON RIDGE - CDS.DWG



SKYLINE DRIVE - PLAN AND PROFILE

THE RESERVE AT CRIMSON RIDGE CLUSTER SUBD. PH 2+3

1250 NORTH 5200 EAST

OGDEN VALLEY, WEBER COUNTY, UTAH

GARDNER ENGINEERING

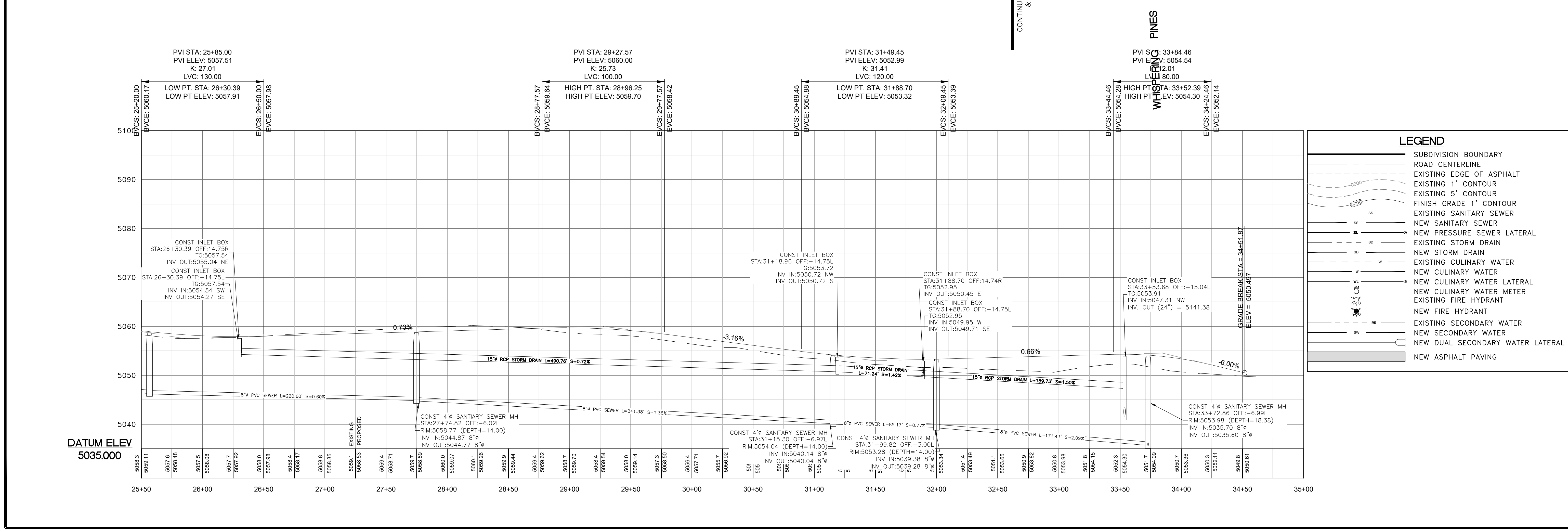
CIVIL-LAND PLANNING

MUNICIPAL-LAND SURVEYING

5150 SOUTH 375 EAST OGDEN, UT

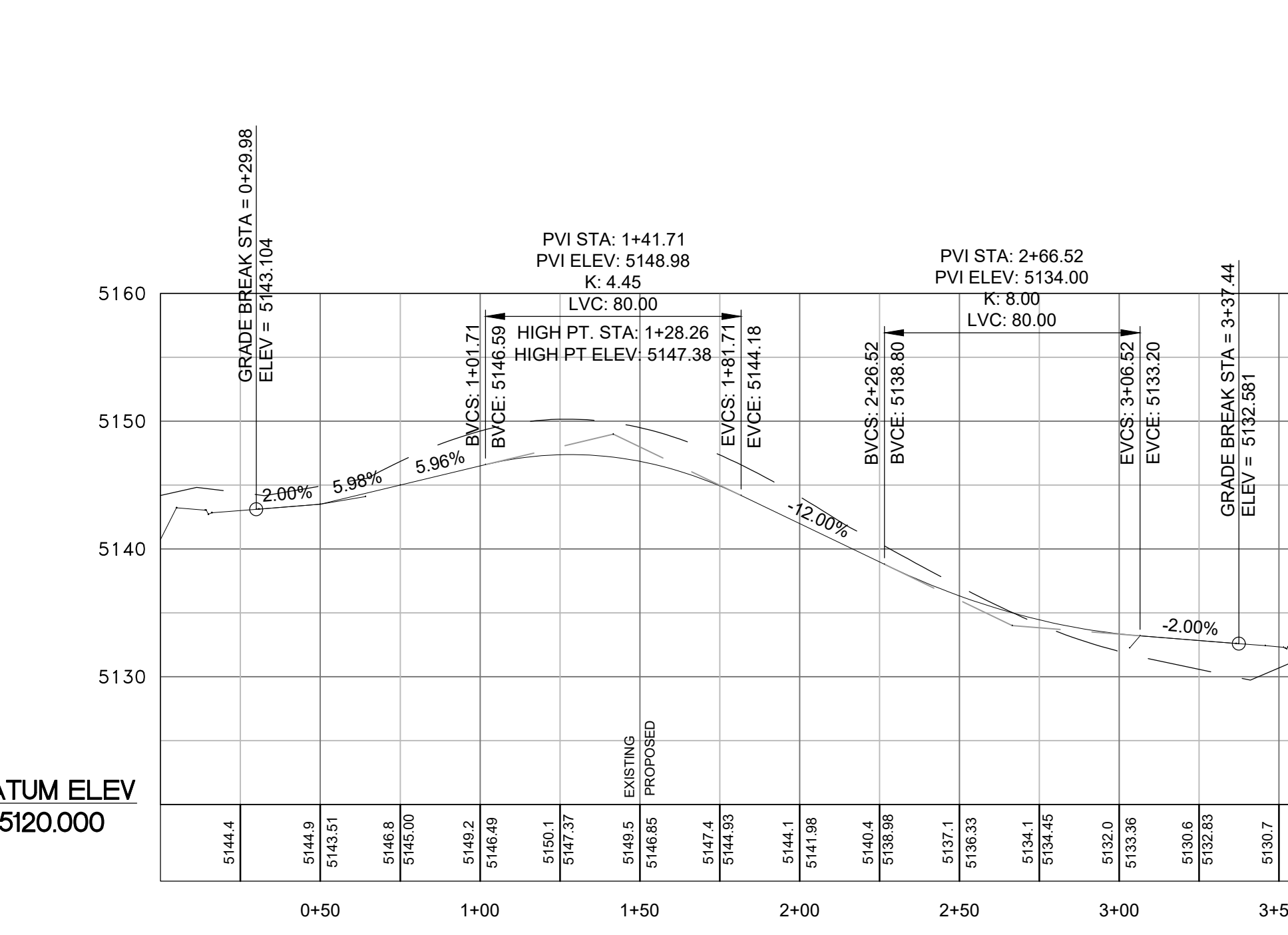
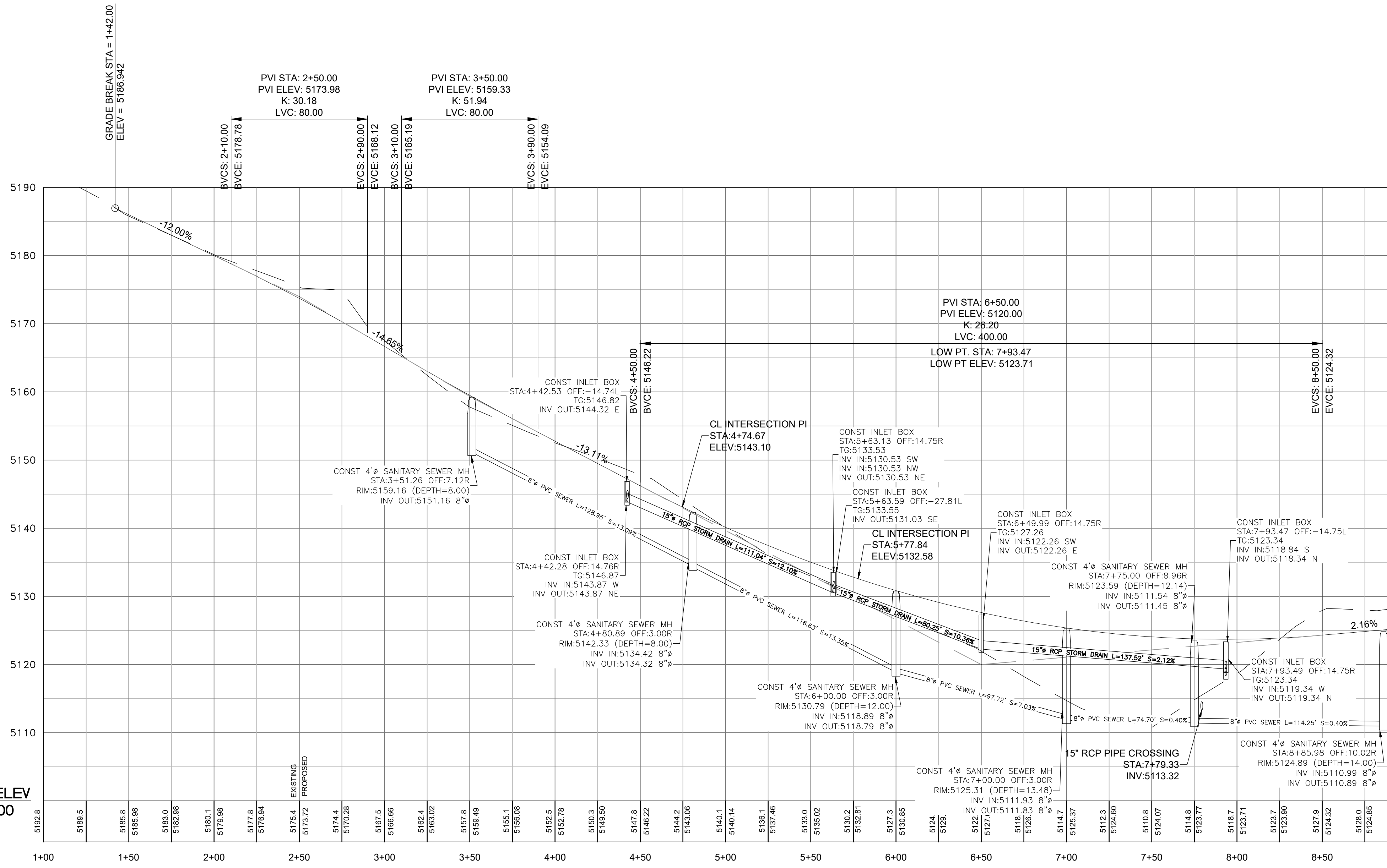
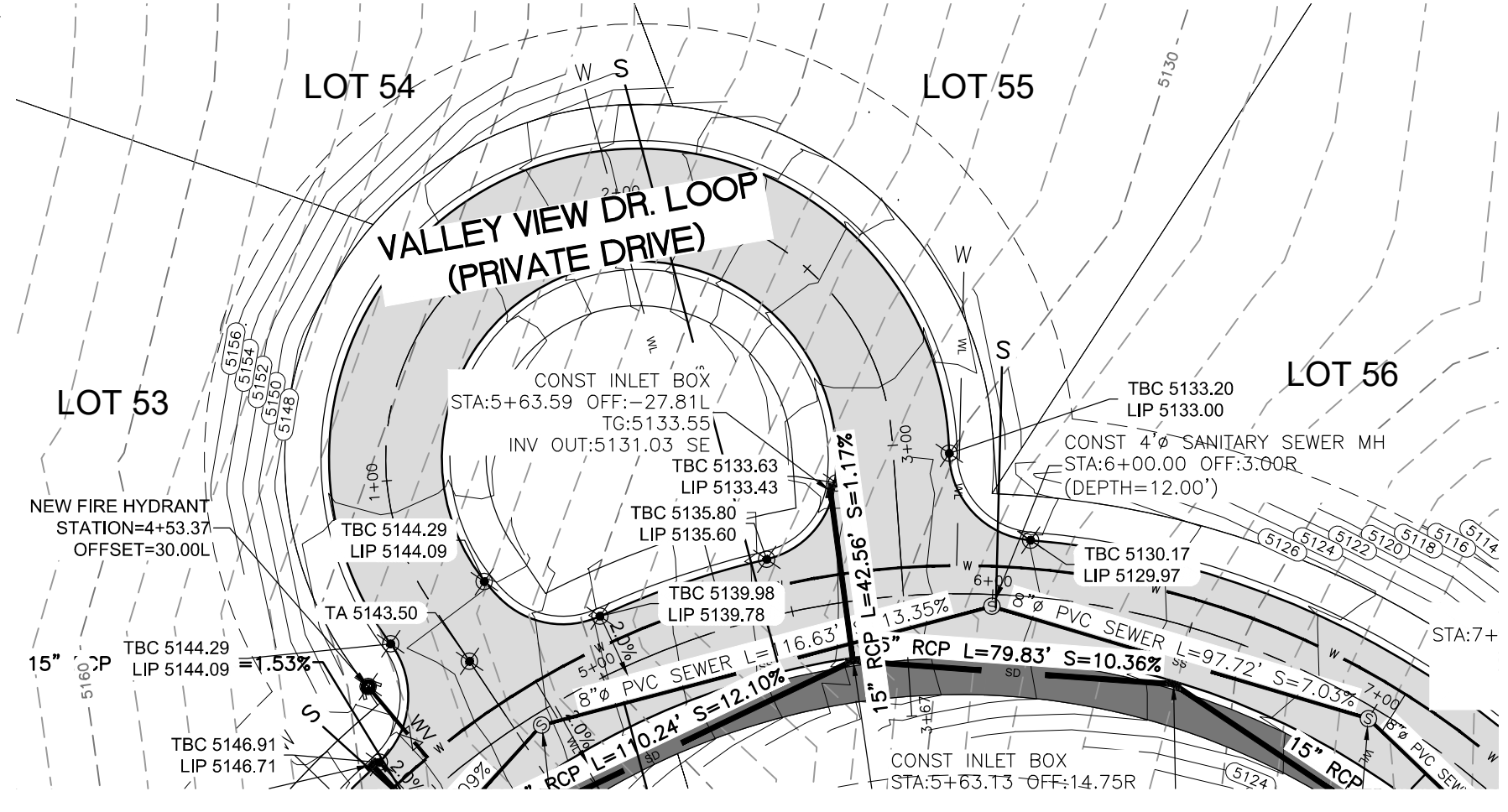
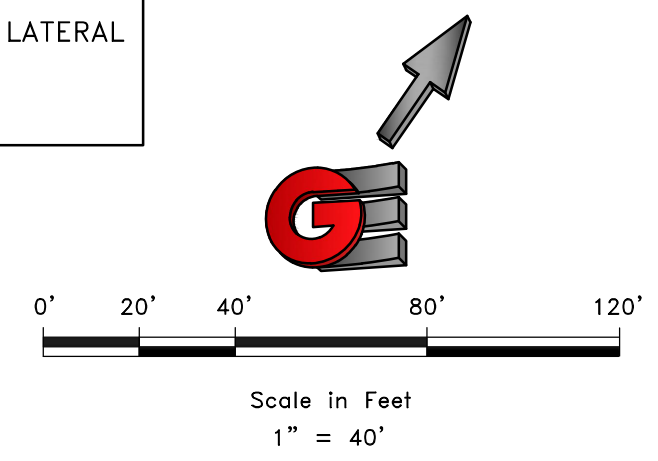
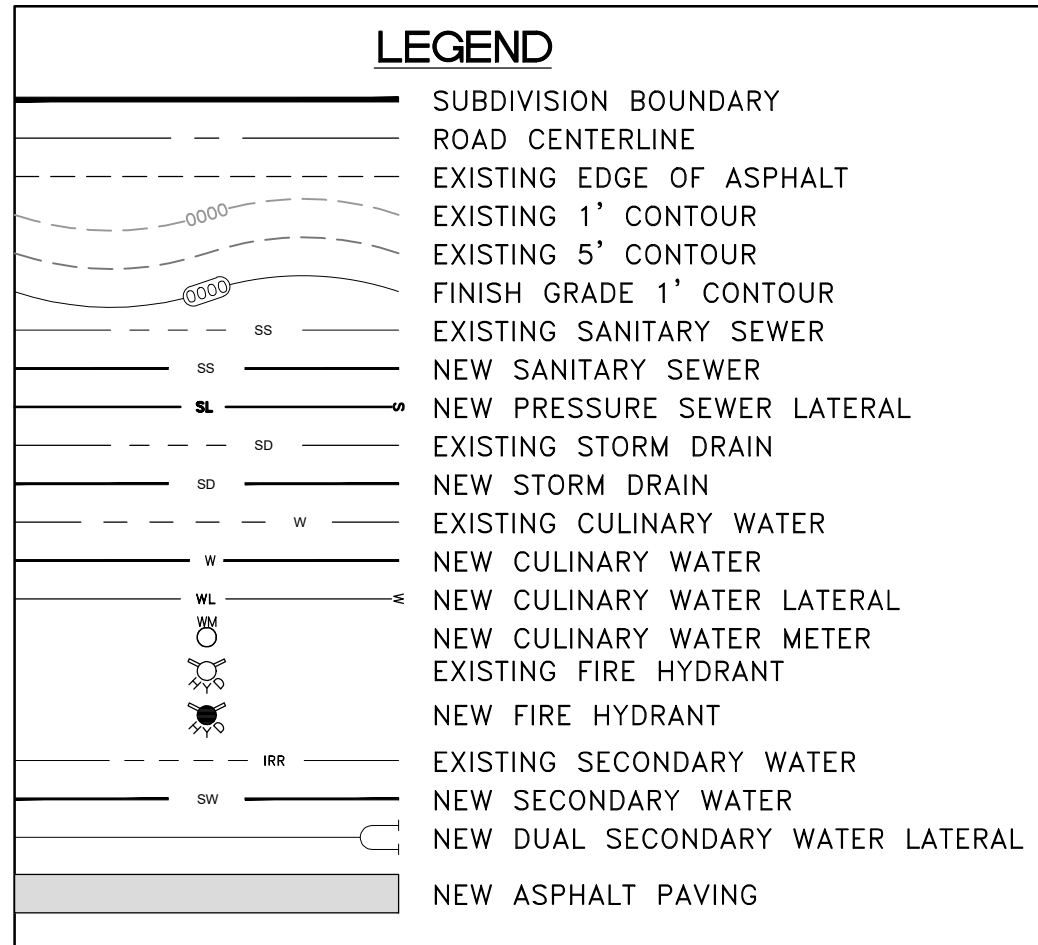
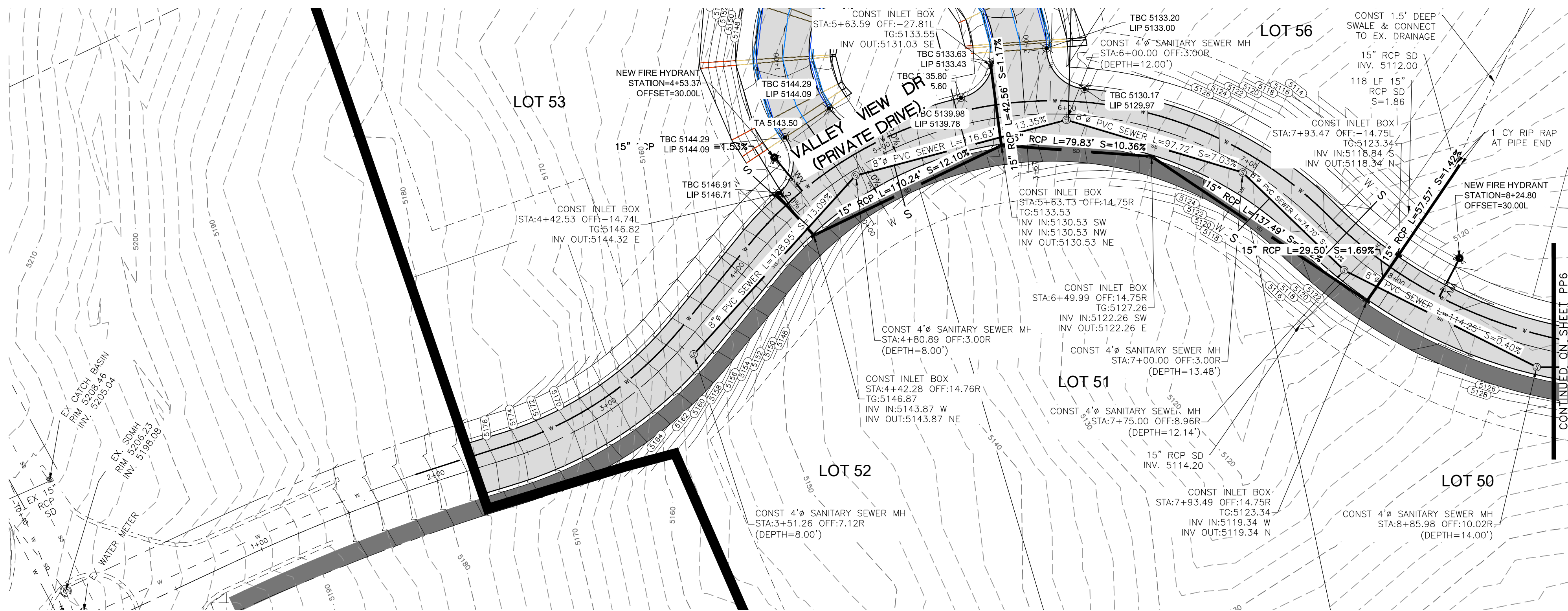
OFFICE: 801.476.0202 FAX: 801.476.0066

PP4



LEGEND

- SUBDIVISION BOUNDARY
- ROAD CENTERLINE
- EXISTING EDGE OF ASPHALT
- EXISTING 1' CONTOUR
- EXISTING 5' CONTOUR
- FINISH GRADE 1' CONTOUR
- EXISTING SANITARY SEWER
- NEW SANITARY SEWER
- NEW PRESSURE SEWER LATERAL
- EXISTING STORM DRAIN
- NEW STORM DRAIN
- EXISTING CULINARY WATER
- NEW CULINARY WATER
- NEW CULINARY WATER LATERAL
- NEW CULINARY WATER METER
- EXISTING FIRE HYDRANT
- NEW FIRE HYDRANT
- EXISTING SECONDARY WATER
- NEW SECONDARY WATER
- NEW DUAL SECONDARY WATER LATERAL
- NEW ASPHALT PAVING



SCALE: 1" = 40'

DATE: 7/19/2020

DESIGN: BSO/MJS

DRAWN: BSO/MJS

CHECKED: TMN

DMG: 8/1/2028 - 844 INVESTMENT/CRIMSON RIDGE DESIGN/CRIMSON RIDGE - COS.DWG

REVISIONS	DATE	DESCRIPTION

PROFESSIONAL STRUCTURAL ENGINEER

7/13/2020

No. 4859845

TYLER M. NIELSON

LICENSED

STATE OF UTAH

VALLEY VIEW DR - PLAN AND PROFILE

THE RESERVE AT CRIMSON RIDGE CLUSTER SUBD. PH 2+3

1250 NORTH 5200 EAST

OGDEN VALLEY, WEBER COUNTY, UTAH

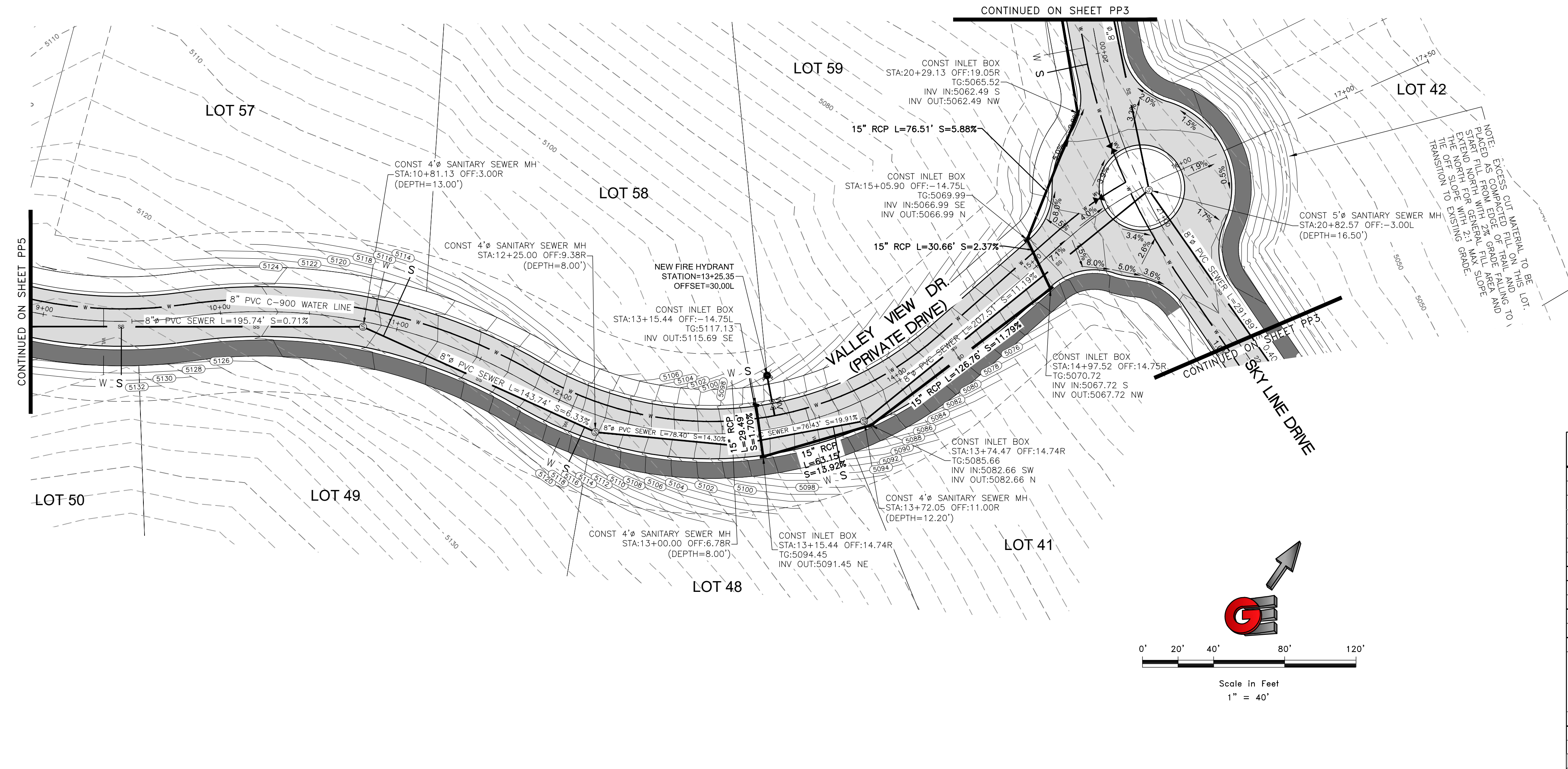
GARDNER ENGINEERING

CIVIL-LAND PLANNING

MUNICIPAL-LAND SURVEYING

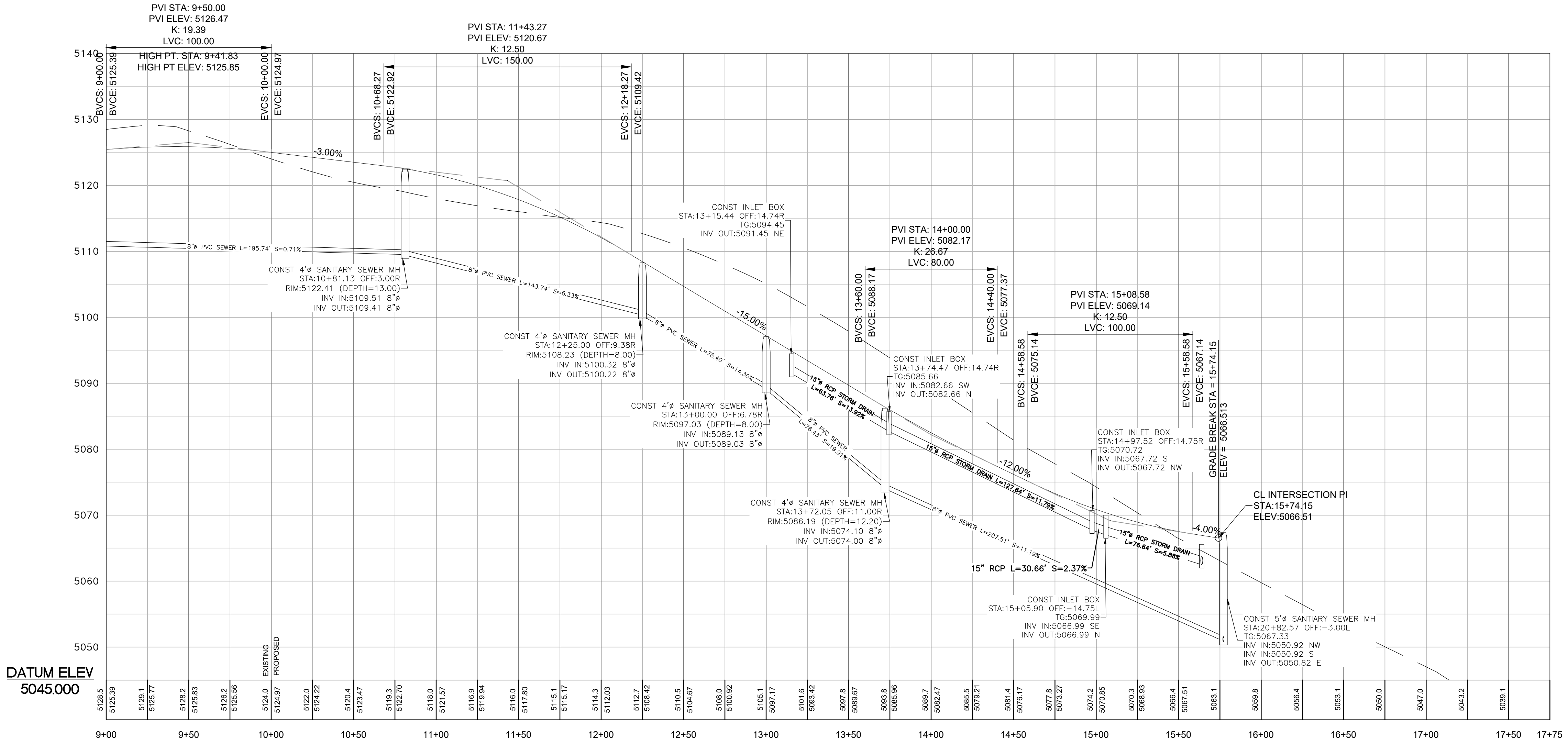
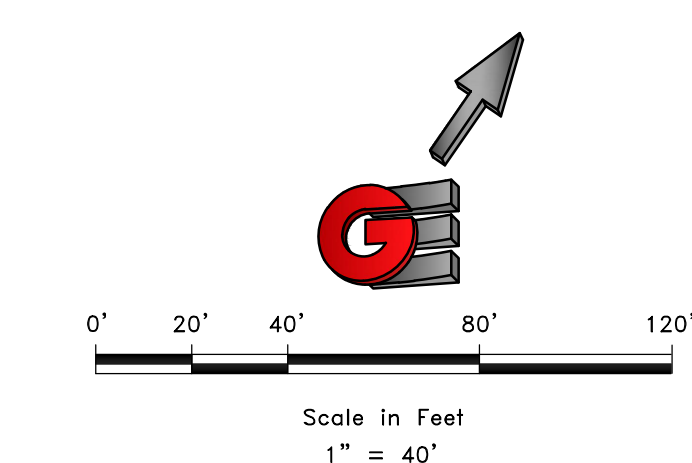
5150 SOUTH 375 EAST OGDEN, UT

OFFICE: 801-476-0202 FAX: 801-476-0066



LEGEND

- SUBDIVISION BOUNDARY
- ROAD CENTERLINE
- EXISTING EDGE OF ASPHALT
- EXISTING 1' CONTOUR
- EXISTING 5' CONTOUR
- FINISH GRADE 1' CONTOUR
- EXISTING SANITARY SEWER
- NEW SANITARY SEWER
- NEW PRESSURE SEWER LATERAL
- EXISTING STORM DRAIN
- NEW STORM DRAIN
- EXISTING CULINARY WATER
- NEW CULINARY WATER
- NEW CULINARY WATER LATERAL
- NEW CULINARY WATER METER
- EXISTING FIRE HYDRANT
- NEW FIRE HYDRANT
- EXISTING SECONDARY WATER
- NEW SECONDARY WATER
- NEW DUAL SECONDARY WATER LATERAL
- NEW ASPHALT PAVING



SCALE: 1" = 40'

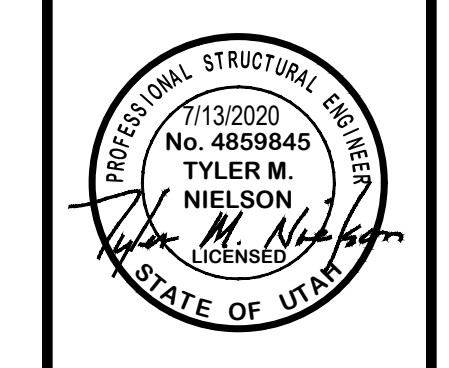
DATE: 7/19/2020

DESIGN: BSO/M/S

DRAWN: BSO/M/S

CHECKED: T/M

DWG: R\2020 - 884 INVESTMENT\CRIMSON RIDGE DESIGN\DWG\CRIMSON RIDGE - CDS.DWG



VALLEY VIEW DR - PLAN AND PROFILE

THE RESERVE AT CRIMSON RIDGE CLUSTER SUBD. PH 2+3

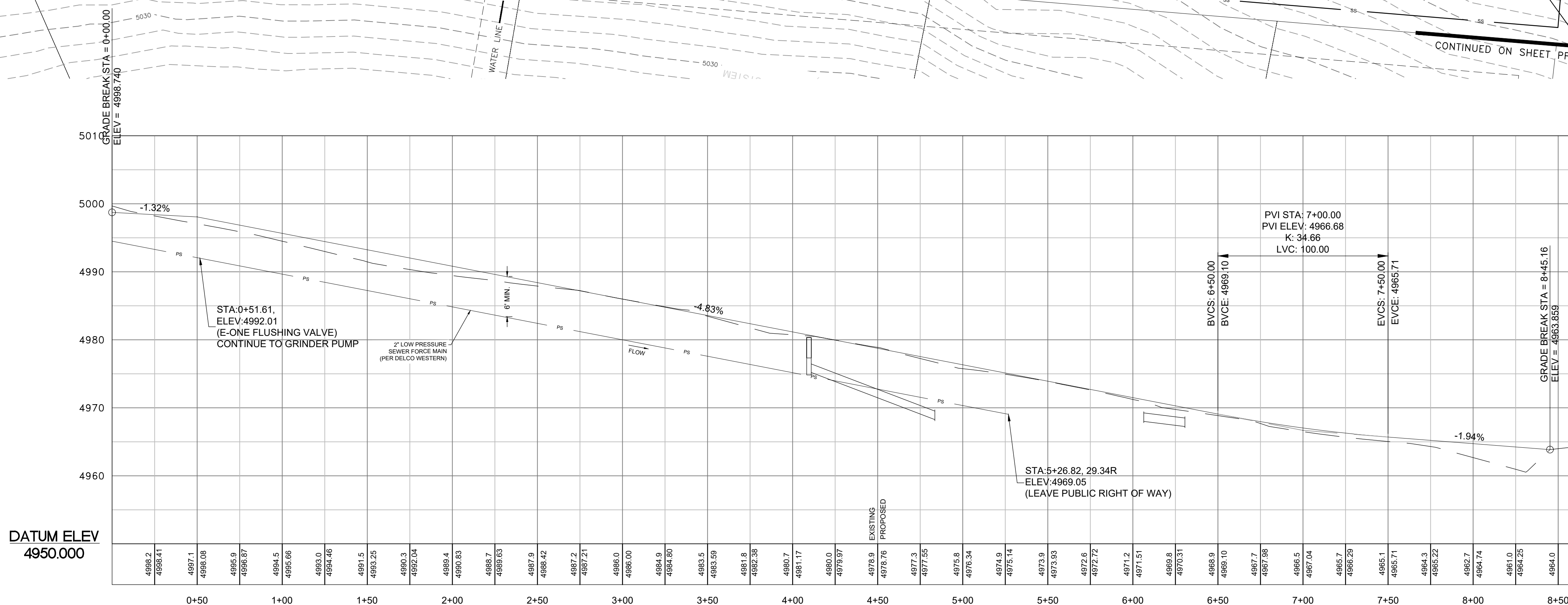
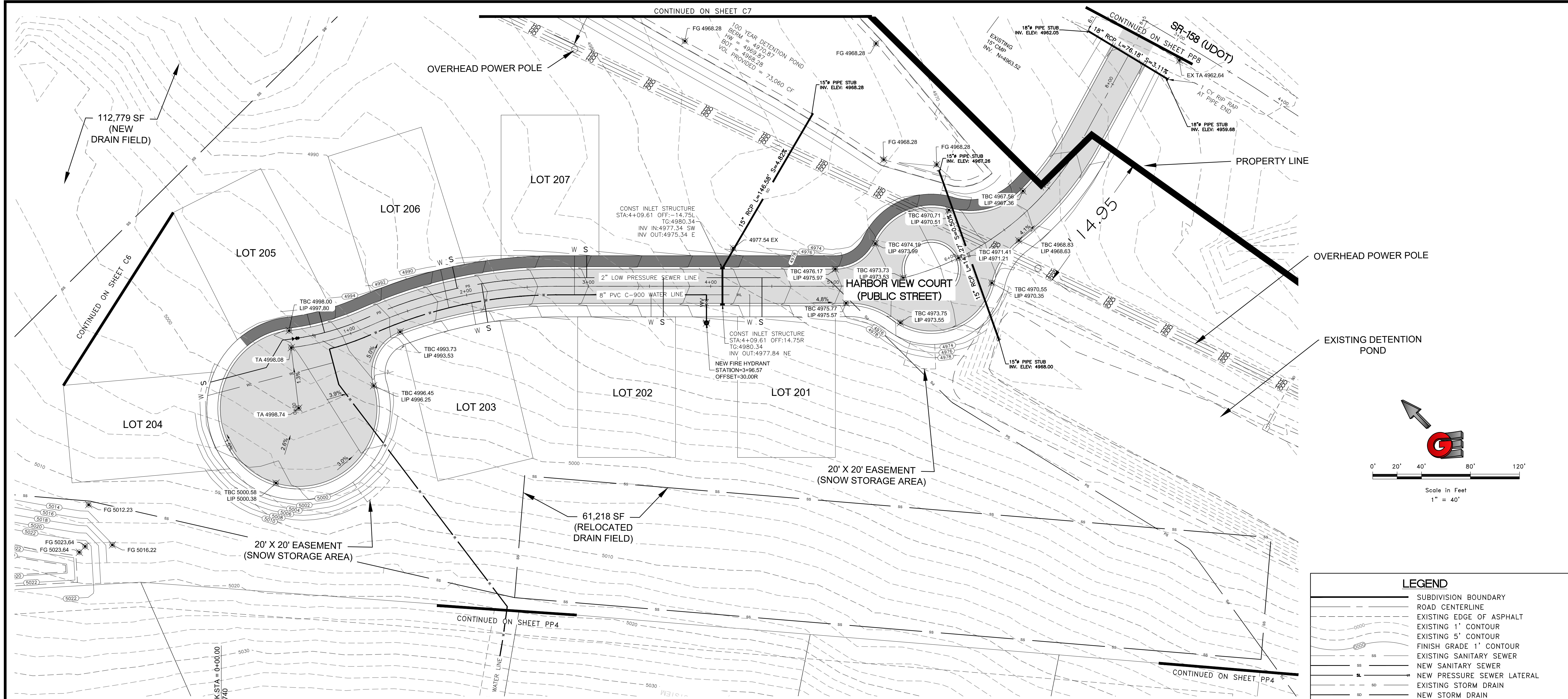
1250 NORTH 5200 EAST

OGDEN VALLEY, WEBER COUNTY, UTAH

GARDNER ENGINEERING

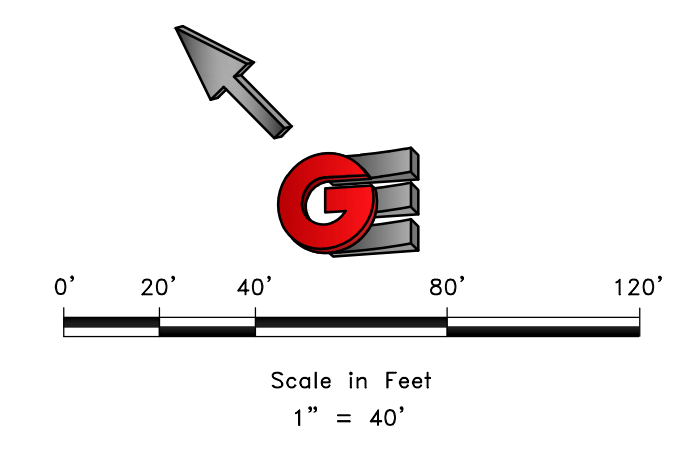
CIVIL-LAND PLANNING
MUNICIPAL-LAND SURVEYING

5150 SOUTH 375 EAST OGDEN, UT
OFFICE: 801.476.0202 FAX: 801.476.0066



LEGEND

	SUBDIVISION BOUNDARY
	ROAD CENTERLINE
	EXISTING EDGE OF ASPHALT
	EXISTING 1' CONTOUR
	EXISTING 5' CONTOUR
	FINISH GRADE 1' CONTOUR
	EXISTING SANITARY SEWER
	NEW SANITARY SEWER
	NEW PRESSURE SEWER LATERAL
	EXISTING STORM DRAIN
	NEW STORM DRAIN
	EXISTING CULINARY WATER
	NEW CULINARY WATER
	NEW CULINARY WATER LATERAL
	NEW CULINARY WATER METER
	EXISTING FIRE HYDRANT
	NEW FIRE HYDRANT
	EXISTING SECONDARY WATER
	NEW SECONDARY WATER
	NEW DUAL SECONDARY WATER LATERAL
	NEW ASPHALT PAVING



SCALE: 1" = 40'

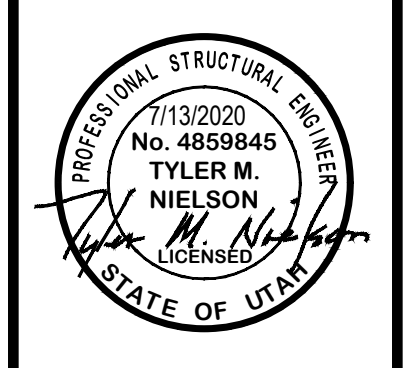
DATE: 7/19/2020

DESIGN: BBD/MUS

DRAWN: BBD/MUS

CHECKED: TIM

DWG: 81V208 - 884 INVESTMENT/CRIMSON RIDGE DESIGN/DWG/CRIMSON RIDGE - COS.DWG



HARBOR VIEW COURT - PLAN AND PROFILE

THE RESERVE AT CRIMSON RIDGE CLUSTER SUBD. PH 2+3

1250 NORTH 5200 EAST

OGDEN VALLEY, WEBER COUNTY, UTAH

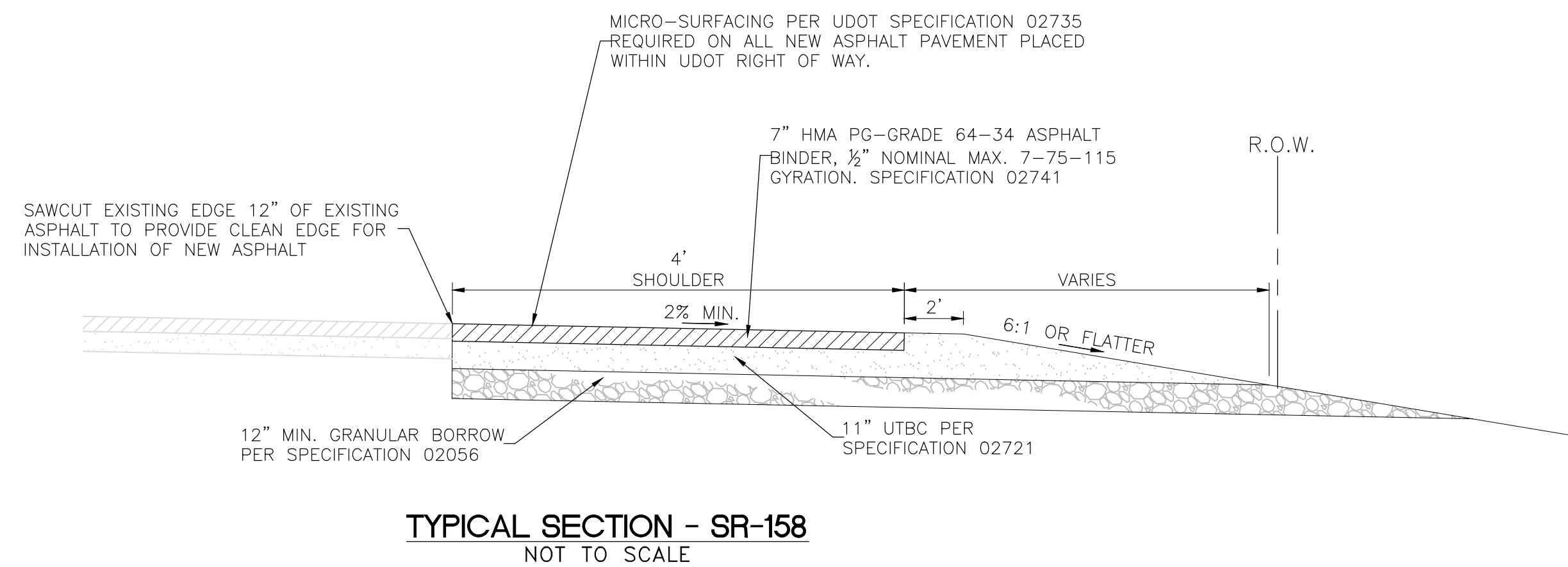
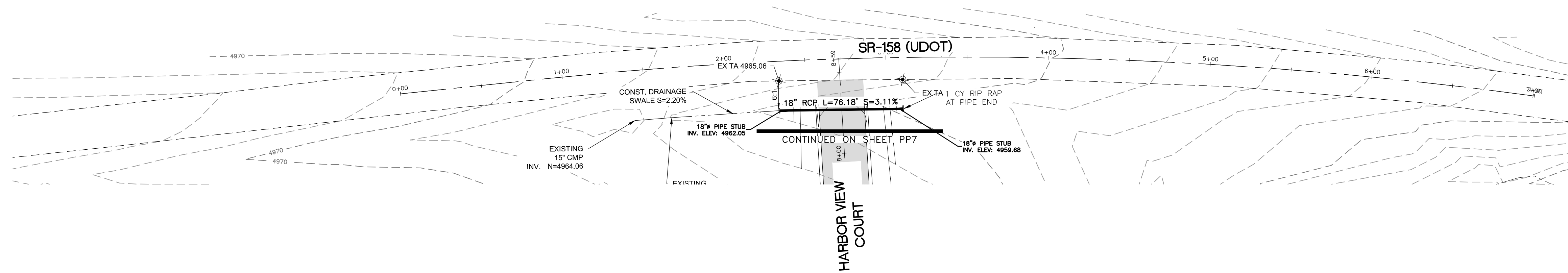
GARDNER ENGINEERING

CIVIL-LAND PLANNING

MUNICIPAL-LAND SURVEYING

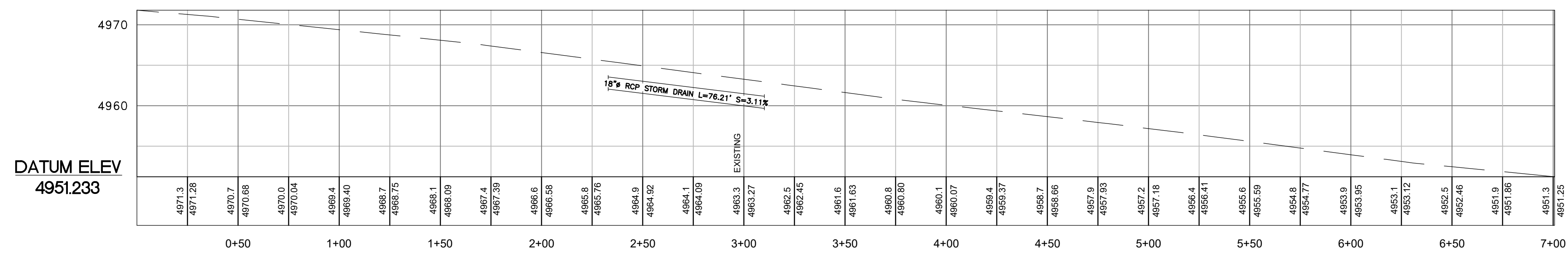
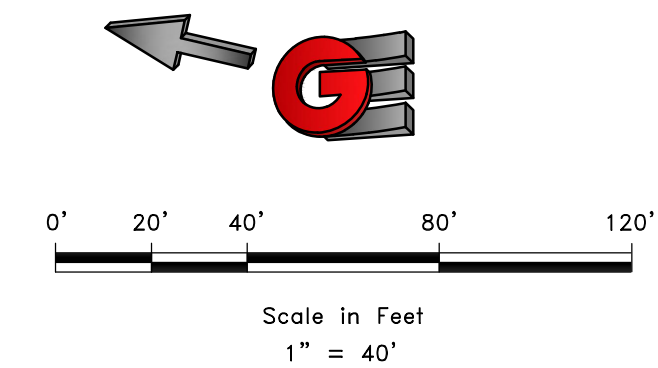
5150 SOUTH 375 EAST OGDEN, UT

OFFICE: 801.476.0202 FAX: 801.476.0066



LEGEND

	SUBDIVISION BOUNDARY
	ROAD CENTERLINE
	EXISTING EDGE OF ASPHALT
	EXISTING 1' CONTOUR
	EXISTING 5' CONTOUR
	FINISH GRADE 1' CONTOUR
	EXISTING SANITARY SEWER
	NEW SANITARY SEWER
	NEW PRESSURE SEWER LATERAL
	EXISTING STORM DRAIN
	NEW STORM DRAIN
	EXISTING CULINARY WATER
	NEW CULINARY WATER
	NEW CULINARY WATER LATERAL
	NEW CULINARY WATER METER
	EXISTING FIRE HYDRANT
	NEW FIRE HYDRANT
	EXISTING SECONDARY WATER
	NEW SECONDARY WATER
	NEW DUAL SECONDARY WATER LATERAL
	NEW ASPHALT PAVING



SCALE: 1" = 40'

DATE: 7/13/2020

DESIGN: BBO/MUS

DRAWN: BBO/MUS

CHECKED: TIM



SR-158 (UDOT) - PLAN AND PROFILE

THE RESERVE AT CRIMSON RIDGE CLUSTER SUBD. PH 2+3

1250 NORTH 5200 EAST

OGDEN VALLEY, WEBER COUNTY, UTAH

GARDNER ENGINEERING

CIVIL • LAND PLANNING
MUNICIPAL • LAND SURVEYING

5150 SOUTH 375 EAST OGDEN, UT
OFFICE: 801.476.0202 FAX: 801.476.0066