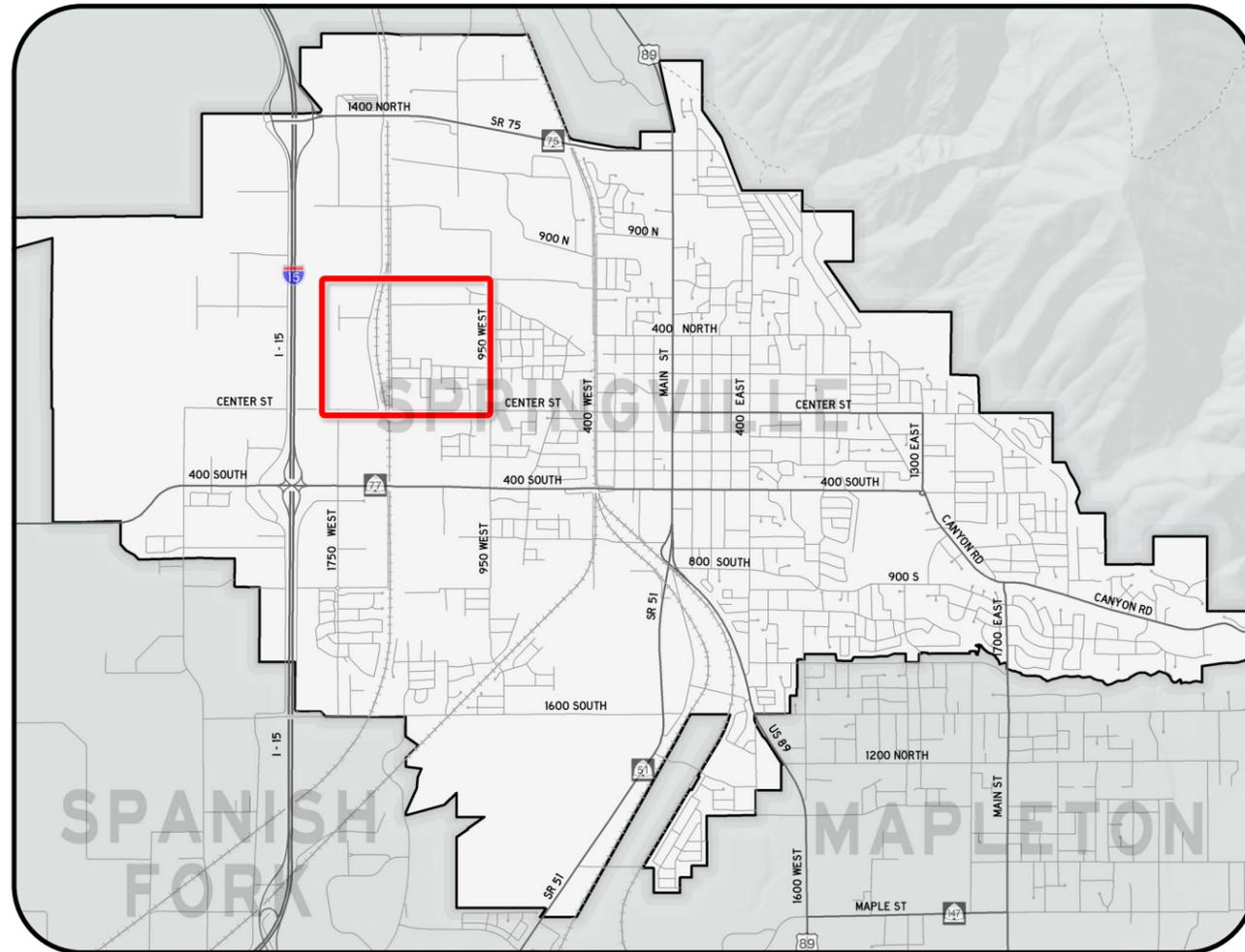


# REGIONAL DETENTION BASIN

## 1500 W 400 NORTH



Vicinity Map



Project Location Detail

PUBLIC WORKS DEPARTMENT  
 Director: Bradley D. Stapley, P.E.  
 City Engineer: Jeff Anderson, P.E.  
 Civil Engineer: Byron Haslam, P.E.  
 City Surveyor: Travis Anderson, P.L.S.  
 Public Works Inspector: Paul Curtis  
 SWPPP Inspector: Brent Dunkley



Public Works Department  
 110 S. Main Street  
 Springville, Utah 84663  
 Tel: 801.491.2780  
 Fax: 801.489.2709  
[www.springville.org/public-works](http://www.springville.org/public-works)

MAYOR & CITY COUNCIL  
 Mayor Rick Child  
 Councilman Craig Jensen  
 Councilman Michael Snelson  
 Councilman Chris Creer  
 Councilman Jason Miller  
 Councilman Brett Nelson

## LEGEND

	EXISTING	PROPOSED
PROPERTY OR R/W LINE	— — — — —	
PARCEL LINE	—————	
FENCE	— — — — —	— — — — —
CONTOUR LINE	— 4250 —	— 4250 —
SPOT ELEVATION	x 4250.1	x 4250.23
ASPHALT SAW CUT		— — — — —
UTILITY TRENCH		— — — — —
GAS LINE	— GAS — GAS —	
STORM DRAIN LINE	— SD —	— — — — —
SANITARY SEWER LINE	— SS —	
SEWER LATERAL	— SL —	
WATERLINE	— W —	— w —
WATER LATERAL	— WL —	— wl —
FIRE HYDRANT		
WATER VALVE		
WATER METER		
AIR/VAC VAULT		
SS/SD MANHOLE		
CATCH BASIN		
CLEANOUT BOX		
STREET LIGHT		
MONUMENT		
CONTROL POINT		
SIGN		
POWER POLE		
TREE		

## ABBREVIATIONS

APPROX	APPROXIMATELY	L	LENGTH, LEFT
BV	BUTTERFLY VALVE	LF	LINEAL FEET
BOT	BOTTOM	LP	LOW POINT
C&G	CURB AND GUTTER	MON	MONUMENT
CB	CATCH BASIN	MJ	MECHANICAL JOINT
CF	CUBIC FEET	N	NORTH, NORTHING
CIP	CAST IRON PIPE	NTS	NOT TO SCALE
CL	CENTERLINE	PC	POINT OF CURVATURE
CMP	CORRUGATED METAL PIPE	PCC	POINT OF COMPOUND CURVATURE
CO	CLEANOUT	PI	POINT OF INTERSECTION
CONC	CONCRETE	PT	POINT OF TANGENCY
CP	CONTROL POINT	PVC	POLYVINYL CHLORIDE, POINT OF VERTICAL CURVATURE
CY	CUBIC YARD	PVI	POINT OF VERTICAL INTERSECTION
DIA	DIAMETER	PVT	POINT OF VERTICAL TANGENCY
DIM	DIMENSION	R	RIGHT
DIP	DUCTILE IRON PIPE	S	SOUTH, SLOPE
DWG	DRAWING	SD	STORM DRAIN
E	EAST, EASTING	SF	SQUARE FEET
EA	EACH	SS	SANITARY SEWER
EG	EXISTING GRADE	SY	SQUARE YARDS
EL	ELEVATION	TBC	TOP BACK OF CURB
EX	EXISTING	TOG	TOP OF GRATE
FG	FINISHED GRADE	TYP	TYPICAL
FH	FIRE HYDRANT	VC	VERTICAL CURVE
FL	FLANGE, FLOWLINE	VERT	VERTICAL
FT	FEET	W	WEST, WATER
GV	GATE VALVE	WV	WATER VALVE
HORIZ	HORIZONTAL		
HP	HIGH POINT		
IE	INVERT ELEVATION		
IN	INCHES		
IRR	IRRIGATION		

## SHEET INDEX

GENERAL SHEETS		
SHEET NO.	SHEET CODE	SHEET NAME
1	00G-0	COVER SHEET
2	00G-1	LEGEND, ABBREVIATIONS AND INDEX
3	00G-2	GENERAL NOTES

PROJECT AREA – 1500 WEST 400 NORTH		
SHEET NO.	SHEET CODE	SHEET NAME
4	SD-1	STORM DRAIN PLAN AND PROFILE – 1500 WEST
5	SD-2	STORM DRAIN PLAN AND PROFILE – 1500 WEST
6	SD-3	STORM DRAIN PLAN AND PROFILE – SOUTH END
7	SD-4	STORM DRAIN PLAN AND PROFILE – NORTH END
8	SD-5	DETENTION BASIN
9	DT-1	DETAIL
10	DT-2	DETAIL

00G-1  
2 of 10

APPROVED BY CITY ENGINEER  
DATE:



BH 6/15/18  
BH TA  
DRAWING SCALE  
(22x34) (11x17)  
This bar measures each of the original drawing  
H: V:  
(22x34) (11x17)

1500 WEST 400 NORTH DETENTION BASIN  
DRAWING NAMEPA0 - General (Storm Drain).dwg  
PLOT DATE: 6/17/2018 3:29 PM

  
 110 South Main Street Springville, UT 84663  
 Phone: 801-491-7663 bhaslam@springville.org

**GENERAL NOTES:**

1. ALL WORK SHALL CONFORM TO THE CURRENT EDITION OF THE "MANUAL OF STANDARD SPECIFICATIONS" AND THE "MANUAL OF STANDARD PLANS" PREPARED BY THE UTAH CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION AND THE CURRENT EDITION OF SPRINGVILLE CITY'S ENGINEERING STANDARDS AND AMENDMENTS FOR PUBLIC WORKS PROJECTS.
2. THE PERMITTEE SHALL FULLY COMPLY WITH THE REQUIREMENTS OF THE CITY ORDINANCES AND REGULATIONS, SPECIFICATIONS AND STANDARDS RELATIVE TO WORK IN THE PUBLIC WAY.
3. A PRE-CONSTRUCTION MEETING IS REQUIRED PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. SUCH MEETING SHALL COMPLY WITH ADOPTED ENGINEERING STANDARDS. CONTACT SPRINGVILLE CITY TO ARRANGE FOR MEETING FACILITIES. PHONE (801) 491-2780.
4. APPLICATION FOR INSPECTION BY SPRINGVILLE CITY ENGINEERING SHALL BE MADE BY THE CONTRACTOR A MINIMUM OF 24 HOURS BEFORE SERVICES ARE REQUIRED. PHONE (801) 491-2780..
5. WORK IN PUBLIC STREETS , ONCE BEGUN, SHALL BE EXECUTED TO COMPLETION WITH DILIGENCE AND EXPEDITION AND RESTORE THE PUBLIC RIGHT OF WAY TO CITY SPECS WITHOUT DELAY AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND THE PUBLIC
6. ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FOLLOWING ISSUANCE OF SUBSTANTIAL COMPLETION.
7. NO BACKFILL SHALL OCCUR UNTIL INSPECTED AND APPROVED.
8. ALL PAVING AND RESURFACING SHALL BE COMPLETE WITHIN 3 CALENDAR DAY FROM TIME OF EXCAVATION UNLESS OTHERWISE APPROVED BY THE ENGINEER.
9. ALL REPLACEMENT PAVING SHALL BE COMPLETED AS NOT TO LEAVE A RIDGE TO THE SATISFACTION OF THE CITY ENGINEER.
10. PAVEMENT INSTALLED SHALL MEET THE MINIMUM REQUIREMENTS OF APWA 32 12 16.13 AND THE SPRINGVILLE CITY AMENDMENTS TO SAID SECTION.
11. NO CONCRETE SHALL BE POURED UNTIL FORMS AND REINFORCEMENT HAVE BEEN INSPECTED AND APPROVED.
12. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN IN CONFORMANCE WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND IN COMPLIANCE WITH STANDARD SPECIFICATIONS.
13. CONTRACTOR IS RESPONSIBLE FOR ALL LAND OF PUBLIC AND PRIVATE OWNERSHIP TO BE RESTORED TO IT'S ORIGINAL STATE (OR BETTER)
14. CONTRACTOR IS RESPONSIBLE TO LOCATE ALL EXISTING WATER, SEWER, ELECTRICAL, GAS AND OTHER UTILITY LINES.
15. CONTRACTOR SHALL PROVIDE AND DISTRIBUTE APPROVED WRITTEN NOTICE OF CONSTRUCTION TO ALL RESIDENTS LOCATED IN THE CONSTRUCTION AREA AT LEAST 72 - HOURS PRIOR TO CONSTRUCTION.
16. NO CHANGE IN DESIGN LOCATION OR GRADE SHALL BE MADE BY THE CONTRACTOR WITHOUT THE WRITTEN APPROVAL OF ENGINEER.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF SERVICE LINES FOR SEWER, WATER AND OTHER UTILITIES, AND REPAIRING ANY DAMAGE TO SUCH LINES AS A RESULT OF THE CONTRACTOR'S OPERATION
18. CONTRACTOR SHALL SAW CUT PAVEMENT, SIDEWALK, AND WHERE REQUIRED, CURB AND GUTTER AT THE LIMITS OF ALL TRENCH EXCAVATION.
19. CONTRACTOR TO PROTECT IN PLACE SEWER SERVICE LATERALS. IF A LATERAL IS DAMAGED OR CUT DURING CONSTRUCTION, IT WILL NEED TO BE REPAIRED USING 4"SDR 35 PVC PIPE AND FURNCO STRONGBACK COUPLERS.
20. THE CONTRACTOR SHALL REPAIR AND REPLACE SIDEWALK THAT IS DISTURBED DURING CONSTRUCTION. SIDEWALK SHALL BE REPLACED TO THE NEAREST JOINT.

**TRENCHING:**

1. TRENCH EXCAVATION MUST BE PER OSHA STANDARDS. (OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION (OSHA) STANDARDS - 29 CFR, PART NUMBER 1910 AND 1926 OR COMPARABLE OSHA-APPROVED STATE PLAN REQUIREMENTS.)

**SOIL TESTING:**

1. CONTRACTOR SHALL PROVIDE MARSHALL AND/OR PROCTOR TEST DATA AT LEAST 24 HOURS PRIOR TO USE, CERTIFIED IN WRITING FROM A LAB RECOGNIZED AND ACCEPTED BY SPRINGVILLE CITY AND THE RIGHT-OF-WAY GOVERNING AGENCY, AS APPLICABLE.

**GROUNDWATER AND STORM WATER MANAGEMENT PLAN:**

1. CONTRACTOR TO PROVIDE A STORM WATER MANAGEMENT PLAN TO THE OWNER FOR REVIEW AND APPROVAL BEFORE CONSTRUCTION BEGINS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR MANAGING ALL GROUNDWATER AND STORMWATER RUNOFF ENCOUNTERED DURING CONSTRUCTION, AND FOR OBTAINING DEWATERING PERMITS.
3. CONTRACTOR TO CCTV VIDEO NEW STORM DRAIN AFTER CONSTRUCTION AND GIVE A DIGITAL COPY TO THE CITY.

**UTILITY LOCATIONS:**

1. ALL UTILITY LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. LOCATION OF BURIED UTILITIES SHOWN ARE BASED ON INFORMATION AVAILABLE AT THE TIME THE DRAWINGS WERE PREPARED. BURIED UTILITIES MAY EXIST AND NOT BE SHOWN OR THE HORIZONTAL AND/OR VERTICAL LOCATIONS MAY NOT BE EXACT.
2. CONTRACTOR TO VERIFY DEPTHS OF LATERAL UTILITIES IN THE FIELD BY POTHOLING A MINIMUM OF TWO WEEKS TIME OR 500 FEET AHEAD OF PIPELINE CONSTRUCTION TO AVOID CONFLICTS WITH DESIGNED PIPELINE GRADE AND ALIGNMENT. IF A CONFLICT ARISES RESULTING FROM THE CONTRACTOR NEGLECTING TO POTHOLE UTILITIES, THE CONTRACTOR SHALL RESOLVE THE CONFLICT WITHOUT ADDITIONAL COST OR CLAIM TO THE OWNER.
3. CONTRACTOR SHALL POTHOLE CRITICAL LOCATIONS AND OBTAIN ALL EXISTING PIPE O.D. PRIOR TO ORDERING OR OBTAINING MATERIALS REQUIRED FOR CONNECTIONS TO EXISTING PIPING. UTILITY SHUT-DOWNS AND OTHER WORK WILL NOT BE SCHEDULED OR ALLOWED UNTIL THIS IS ACCOMPLISHED AND MATERIALS ARE ON SITE AND APPROVED FOR USE BY THE SPRINGVILLE CITY PUBLIC UTILITIES REPRESENTATIVE.
4. IRRIGATION PIPELINES MAY NOT BE LOCATED THROUGH THE NORMAL BLUE STAKE PROCESS. CONTACT IRRIGATION COMPANIES AS DETAILED IN SECTION 01 31 13 PRIOR TO CONSTRUCTION.
5. THE DEPTH TO INVERT INDICATED ON PLAN SHEETS REFERS TO THE APPROXIMATE DEPTH FROM EXISTING GROUND SURFACE TO THE INVERT OF AN EXISTING UTILITY. IT IS PROVIDED ONLY TO ASSIST THE CONTRACTOR IN PLANNING UTILITY CROSSINGS AND SHALL NOT BE A SUBSTITUTE FOR POTHOLING.
6. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING UTILITIES. THE CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY THE CONTRACTOR AT NO COST TO THE OWNER.
7. CONTRACTOR SHALL COMPLY WITH SAFETY REQUIREMENTS AS REQUIRED FOR OPERATING CONSTRUCTION EQUIPMENT BENEATH HIGH VOLTAGE POWER LINES.
8. IT IS THE CONTRACTORS RESPONSIBILITY TO PROTECT IN PLACE, REMOVE AND REPLACE OR LOOP TO THE SATISFACTION OF THE UTILITY OWNER, ALL UTILITIES AND UTILITY LATERALS ENCOUNTERED DURING CONSTRUCTION. DURATION OF UTILITY SERVICE OUTAGES AND PUBLIC NOTIFICATION PROCEDURES SHALL CONFORM TO THE STANDARDS OF THE CONTROLLING AGENCY. IT IS THE CONTRACTORS RESPONSIBILITY TO COORDINATE UTILITY RELOCATIONS SUCH AS GAS, POWER AND TELEPHONE WITH THE APPROPRIATE UTILITY OWNERS.

**STORM DRAIN:**

1. IF STORM DRAIN CATCH BASIN LOCATIONS SHOWN ON DRAWINGS ARE LOCATED ON A CURB AND GUTTER CONSTRUCTION JOINT, CONTRACTOR, WITH ENGINEER APPROVAL, MAY MOVE CATCH BASIN TO THE CENTER OF THE NEXT UPSTREAM SECTION OF CURB AND GUTTER IN AN EFFORT TO MINIMIZE CURB AND GUTTER REPLACEMENT.
2. STATIONS AND LENGTHS SHOWN ON THE DRAWINGS ARE CENTERLINE OF PIPELINE. PROFILE DRAWINGS ARE HORIZONTAL PROJECTIONS OF THE PIPELINE CENTERLINE, UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL ADJUST GRADE OF NEW MANHOLE RIMS, NEW CLEAN OUT RIMS AND INLET GRATES TO MATCH ELEVATIONS OF EXISTING ROADWAY OR GUTTER.
4. WHEN CONSTRUCTING MANHOLES, CONTRACTOR SHALL MAINTAIN SLOPES THROUGH MANHOLES SIMILAR TO SLOPES OF THE UPSTREAM PIPE.
5. THE OPEN ENDS OF THE PIPELINE UNDER CONSTRUCTION SHALL BE COVERED AND EFFECTIVELY SEALED AT THE END OF EACH WORK DAY.
6. NEW STORM DRAIN PIPES ON EXISTING STORM DRAIN STRUCTURES, OR ANY CONNECTION TO A NEW STORM DRAIN STRUCTURE MUST BE CONNECTED VIA A CONCRETE COLLAR.
7. ALL PIPE INVERTS AND LOCATIONS AS WELL AS MANHOLE/CLEANOUT SIZES MUST BE VERIFIED BY CONTRACTOR PRIOR TO ORDERING STORM DRAIN SYSTEM FACILITIES.

**RESTORATION:**

1. ALL AREAS DISTURBED DURING CONSTRUCTION ARE REQUIRED TO BE RESTORED. AREAS WHERE IT IS NECESSARY TO REMOVE ASPHALT, CONCRETE, SIDEWALK, CURB AND GUTTER ARE REQUIRED TO BE RESTORED TO THEIR PRE-CONSTRUCTION OR BETTER CONDITION. FOR ANY SODDED LANDSCAPED AREAS DISTURBED, THE CONTRACTOR WILL BE REQUIRED TO RESTORE THE SOD AND SPRINKLER SYSTEMS.
2. DISTURBANCE AND RESTORATION OF CUSTOM LANDSCAPING SHALL BE COORDINATED WITH OWNER AND RESIDENT AND APPROVED BY ENGINEER. CONTRACTOR SHALL WALK THROUGH CONSTRUCTION AREA PRIOR TO BIDDING TO IDENTIFY AREAS OF CUSTOM LANDSCAPING AND TAKE INTO CONSIDERATION WITH BID.
3. CONTRACTOR SHALL NOT DESTROY, REMOVE, OR DISTURB ANY EXISTING SURVEY MONUMENTS WITHOUT WRITTEN AUTHORIZATION OF THE CONTROLLING AGENCY. CONTRACTOR SHALL TAKE OUT A PERMIT WITH THE WEBER COUNTY SURVEYORS OFFICE A MINIMUM OF 72-HOURS PRIOR TO DISTURBING ANY SURVEY MONUMENT. CONTRACTOR IS RESPONSIBLE FOR COST ASSOCIATED WITH THE PERMIT. NO PAVEMENT CUTTING OR REMOVAL SHALL BEGIN UNTIL ALL SURVEY MARKERS OR MONUMENT POINTS THAT HAVE THE POTENTIAL OF BEING DISTURBED BY THE CONSTRUCTION OPERATIONS HAVE BEEN PROPERLY REFERENCED BY THE UTAH COUNTY SURVEYOR.

**CONTRACTOR RESPONSIBILITIES:**

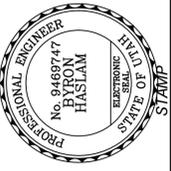
1. CONTRACTOR SHALL NOT ALLOW GROUNDWATER OR DEBRIS TO ENTER NEW PIPE DURING CONSTRUCTION. THE OPEN END OF ALL PIPES ARE TO BE COVERED AND SEALED AT THE END OF EACH DAY.
2. CONTRACTOR TO INSTALL INVERT COVERS ON ALL SANITARY SEWER AND STORM DRAIN MANHOLES AFFECTED BY THE PROJECT PRIOR TO STARTING CONSTRUCTION.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ACCORDING TO GOVERNING AGENCY STANDARDS: WET DOWN DRY MATERIALS TO CONTROL DUST. ALTERNATE METHODS BY APPROVAL OF ENGINEER ONLY.
4. ALTHOUGH SOME SURFACE FEATURES (FENCES, TREES, ETC.) HAVE BEEN CALLED OUT ON THE DRAWINGS FOR THE CONTRACTOR'S CONVENIENCE, NOT ALL ARE SHOWN OR IDENTIFIED. CONTRACTOR SHALL WALK THROUGH CONSTRUCTION AREA PRIOR TO BIDDING TO IDENTIFY SURFACE FEATURES THAT MUST BE PROTECTED OR REPLACED AS PART OF THE WORK.
5. CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS. ALL IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR RECONSTRUCTED AT THE EXPENSE OF THE CONTRACTOR TO ORIGINAL OR BETTER CONDITION TO THE SATISFACTION OF THE OWNER.
6. THE CONTRACTOR SHALL BE REQUIRED TO KEEP ALL CONSTRUCTION ACTIVITIES WITHIN ESTABLISHED PUBLIC RIGHT-OF-WAYS, AND TEMPORARY CONSTRUCTION EASEMENTS AS SHOWN, IF ANY. THIS SHALL INCLUDE BUT NOT LIMITED TO VEHICLES AND EQUIPMENT, LIMITS OF TRENCH EXCAVATION, EXCAVATED MATERIAL AND BACKFILL STORAGE. IF THE CONTRACTOR REQUIRES ADDITIONAL WORK AREA, IT SHALL BE SOLELY HIS RESPONSIBILITY TO OBTAIN NEEDED EASEMENTS OR PERMISSION.
7. CONTRACTOR SHALL PHOTO/VIDEO CONSTRUCTION AREA PRIOR TO WORK FOR RECORDS.
8. TRENCHING OPERATIONS SHALL BE PERFORMED SO AS TO PROTECT EXISTING CURB AND GUTTER THAT IS TO REMAIN IN PLV\CE. CURB AND GUTTER THAT IS DAMAGED THROUGH CARELESS ACTIVITIES SHALL BE REPLACED AT THE CONTRACTOR'S SOLE EXPENSE. CURB AND GUTTER SHALL BE REPLACED TO THE NEAREST JOINT.
9. IF THE CONTRACTOR CHOOSES TO WORK ON THE PROJECT WHEN HOT MIX ASPHALT IS NOT AVAILABLE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING APPROVAL FROM THE APPROPRIATE GOVERNING AGENCY PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY ASPHALT SURFACING MATERIAL UNTIL SUCH TIME THAT PERMANENT ASPHALT BECOMES AVAILABLE. THE CONTRACTOR SHALL REMOVE THE TEMPORARY ASPHALT, FURNISH AND INSTALL THE PERMANENT ASPHALT AT NO ADDITIONAL COST TO THE OWNER.

00G-2

3 of 10

APPROVED BY CITY ENGINEER

DATE:



6/15/18

DRAWING SCALE (22x34) (11x17)

This bar measures each inch of the original drawing

H: V:

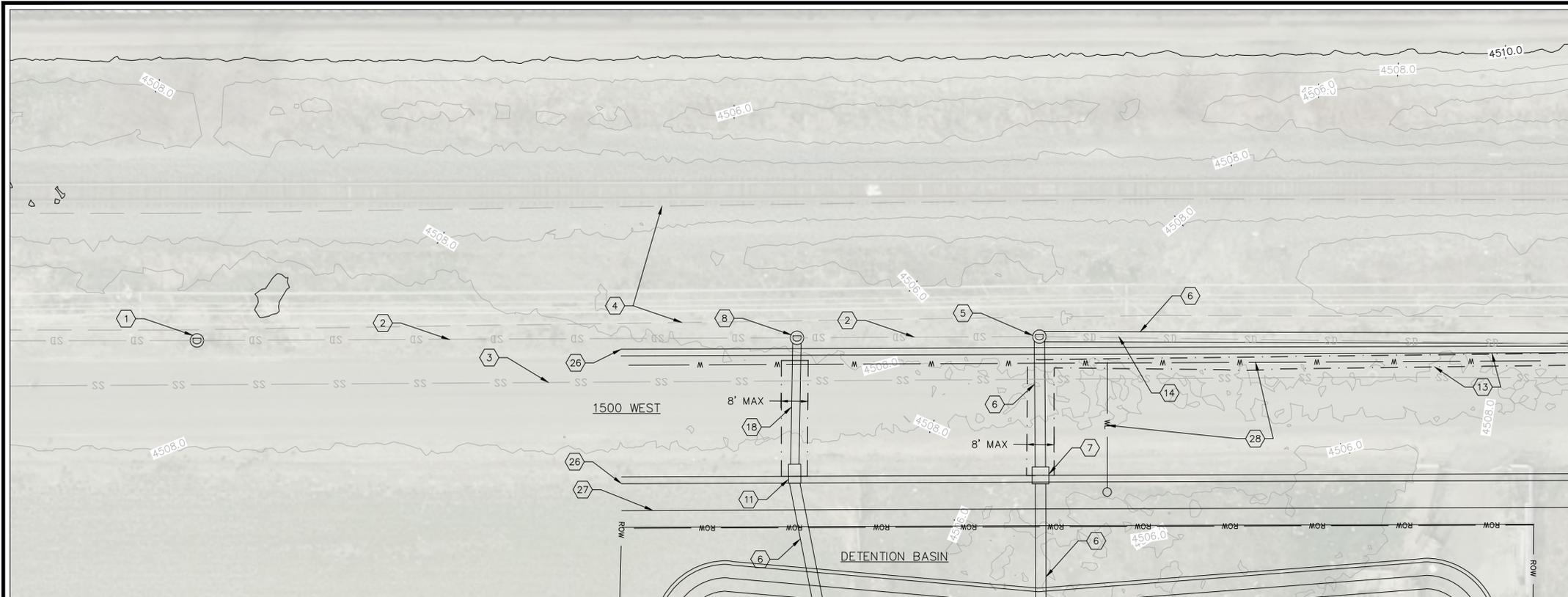
1500 WEST 400 NORTH DETENTION BASIN

PLOT DATE: 09/17/2018 3:29 PM

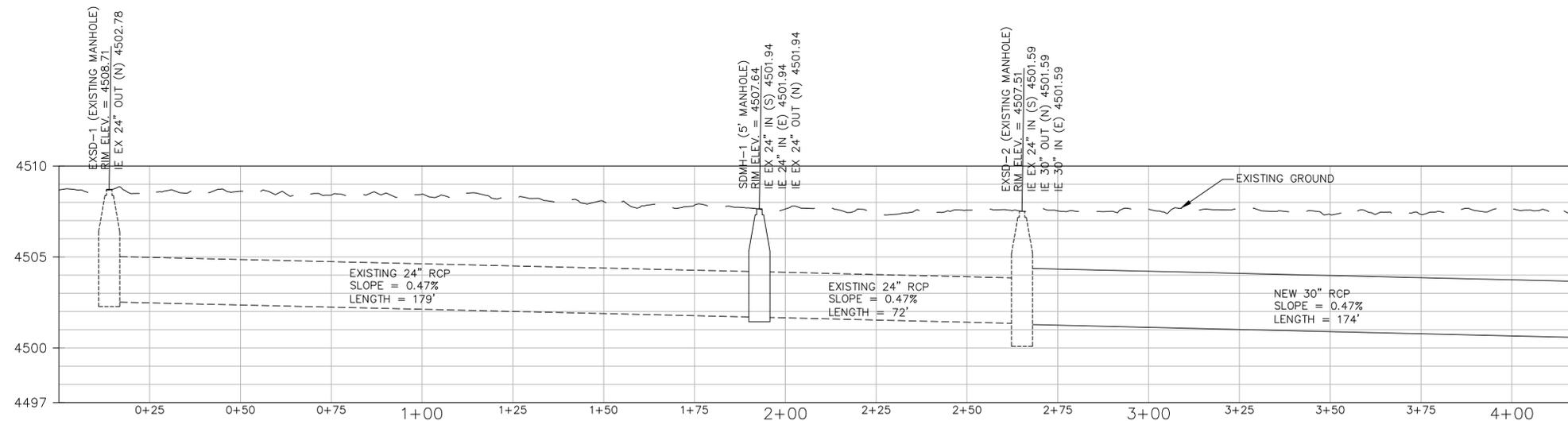


110 South Main Street Springville, UT 84663 phone: 801-491-7663 bhaslam@springville.org

DRAWING NAME: PA0 - General (Storm Drain).dwg



PLAN



PROFILE



NOTES:

1. ALL WORK TO BE DONE IN ACCORDANCE WITH SPRINGVILLE CITY ENGINEERING STANDARDS AND SPECIFICATIONS.
2. REMOVE AND REPLACE CONCRETE CURB, GUTTER AND SIDEWALK TO NEAREST JOINT. NO SAWCUTTING PERMITTED.
3. PROTECT IN PLACE EX UTILITIES, PAVEMENT, CURB, GUTTER, SIDEWALK, AND ALL OTHER SITE FEATURES NOT MARKED FOR REMOVAL.
4. FINISHED GRADE OF RECONSTRUCTED ROAD TO MATCH EXISTING GRADES. STRAIGHT GRADE FROM CENTERLINE TO EXISTING LIP OF GUTTER AT 2.0% MINIMUM CROSS SLOPE. WARP AS REQUIRED AT INTERSECTIONS AND CORNERS. USE EXISTING TOPOGRAPHIC CONTOURS AS A GUIDE. CONTRACTOR TO ESTABLISH SUFFICIENT GRADES TO ACCEPTABLY RECONSTRUCT ROAD PRIOR TO REMOVAL OF ASPHALT PAVEMENT.
5. LIMITS OF ASPHALT REMOVAL SHOWN ON PLANS INCLUDES OVERCUT FOR "T" PATCH PER DETAIL SD-06. ADDITIONAL PAVEMENT REMOVAL WITHOUT ENGINEER APPROVAL WILL BE AT CONTRACTOR'S EXPENSE.
6. CONTRACTORS TO COORDINATE WITH THE FOLLOWING UTILITY COMPANIES.
  - 6.1. POWER - SPRINGVILLE CITY
  - 6.2. GAS - DOMINION
  - 6.3. PHONE - CENTURYLINK
  - 6.4. CABLE - COMCAST

KEYED NOTES:

- 1 EXISTING STORM DRAIN MANHOLE EXSD-1.
- 2 EXISTING 24 INCH STORM DRAIN REINFORCED CONCRETE PIPE.
- 3 EXISTING 24 INCH SANITARY SEWER PVC PIPE.
- 4 EXISTING UNDERGROUND POWER.
- 5 EXISTING STORM DRAIN MANHOLE EXSD-2. ADJUST MANHOLE TO FINISHED GRADE.
- 6 NEW 30 INCH STORM DRAIN REINFORCED CONCRETE PIPE.
- 7 NEW CURB FACE INLET (SPRINGVILLE STD DRAWINGS SD-04) SDCB-3. AT LEAST 4' WIDE.
- 8 NEW 5 FOOT CAST-IN-PLACE STORM DRAIN MANHOLE (SPRINGVILLE STD DRAWING SD-01) SDMH-1.
- 9 NEW 4 FOOT X 4 FOOT STORM DRAIN STRUCTURE WITH FLAT BICYCLE SAFE GRATE SDCB-2.
- 10 EXISTING STORM DRAIN MANHOLE EXSD-3.
- 11 NEW COMBO BOX (SPRINGVILLE STD DRAWING SD-05) SDCB-1.
- 12 EXISTING 5 FOOT X 5 FOOT STORM DRAIN STRUCTURE EXSD-4.
- 13 ASPHALT SAW CUT LINE. MAXIMUM 8 FEET WIDE ASPHALT "T" PATCH.
- 14 EXISTING 24 INCH STORM DRAIN REINFORCED CONCRETE PIPE TO BE REMOVED.
- 15 EXISTING 30 INCH STORM DRAIN REINFORCED CONCRETE PIPE.
- 16 EXISTING STORM DRAIN BOX EXSD-4.
- 17 NEW 4 FOOT X 4 FOOT STORM DRAIN OUTLET STRUCTURE WITH TRASH GRATE SDCB-4.
- 18 NEW 24 INCH STORM DRAIN REINFORCED CONCRETE PIPE.
- 19 FUTURE 36 INCH STORM DRAIN REINFORCED CONCRETE PIPE CONNECTION.
- 20 NEW 4 FOOT X 4 FOOT STORM DRAIN STRUCTURE WITH SNOOT AND FLAT BICYCLE SAFE GRATE SDCB-6.3 FOOT MINIMUM BOX SUMP.
- 21 NEW 10 INCH STORM DRAIN PVC.
- 22 NEW 4 FOOT X 4 FOOT STORM DRAIN STRUCTURE WITH SNOOT AND FLAT BICYCLE SAFE GRATE SDCB-7.3 FOOT MINIMUM BOX SUMP.
- 23 EXISTING MANHOLE TO BE REMOVED AND DISPOSE.
- 24 NEW COMBO BOX (SPRINGVILLE STD DRAWING SD-06) SDCB-6.
- 25 CAP EXISTING WATER WELL.
- 26 FUTURE 2' CURB AND GUTTER.
- 27 FUTURE 5' CONCRETE SIDEWALK.
- 28 FUTURE PI MAINLINE AND SERVICE LATERAL.
- 29 NEW 4 FOOT X 4 FOOT STORM DRAIN STRUCTURE WITH FLAT BICYCLE SAFE GRATE SDCB-5.

SD-1  
4 of 10

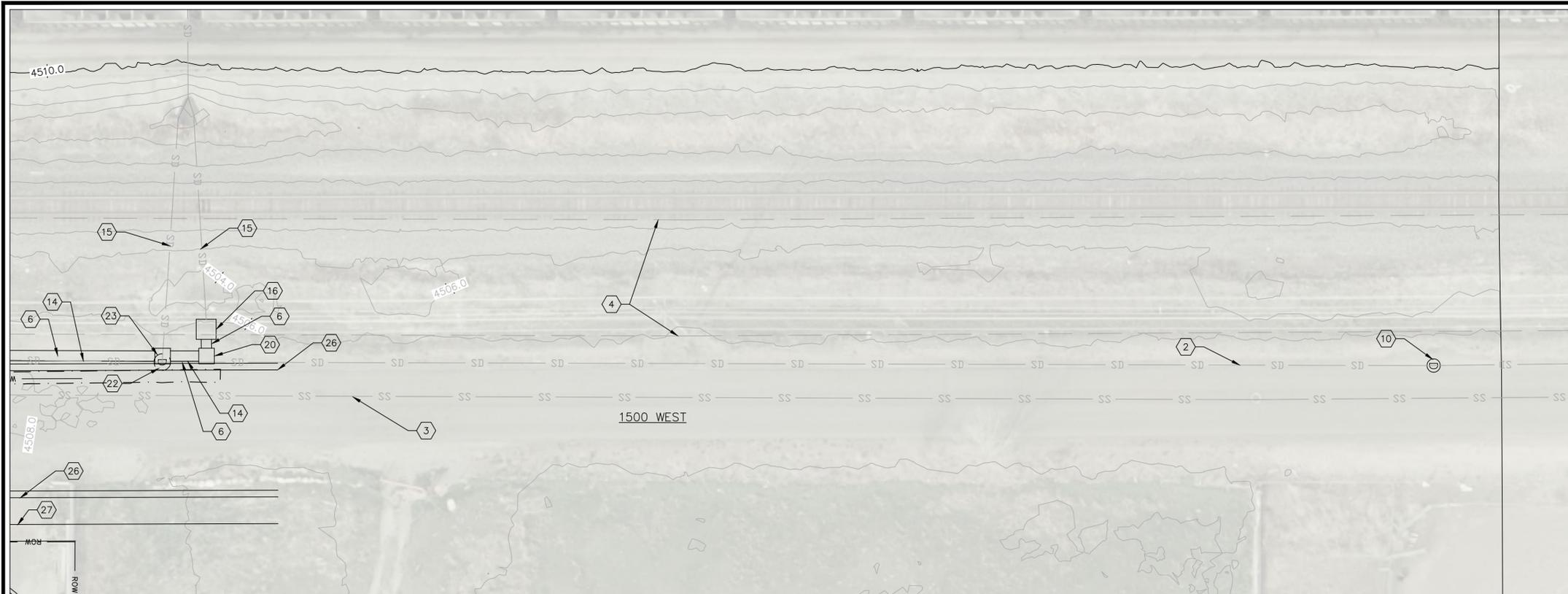
APPROVED BY CITY ENGINEER



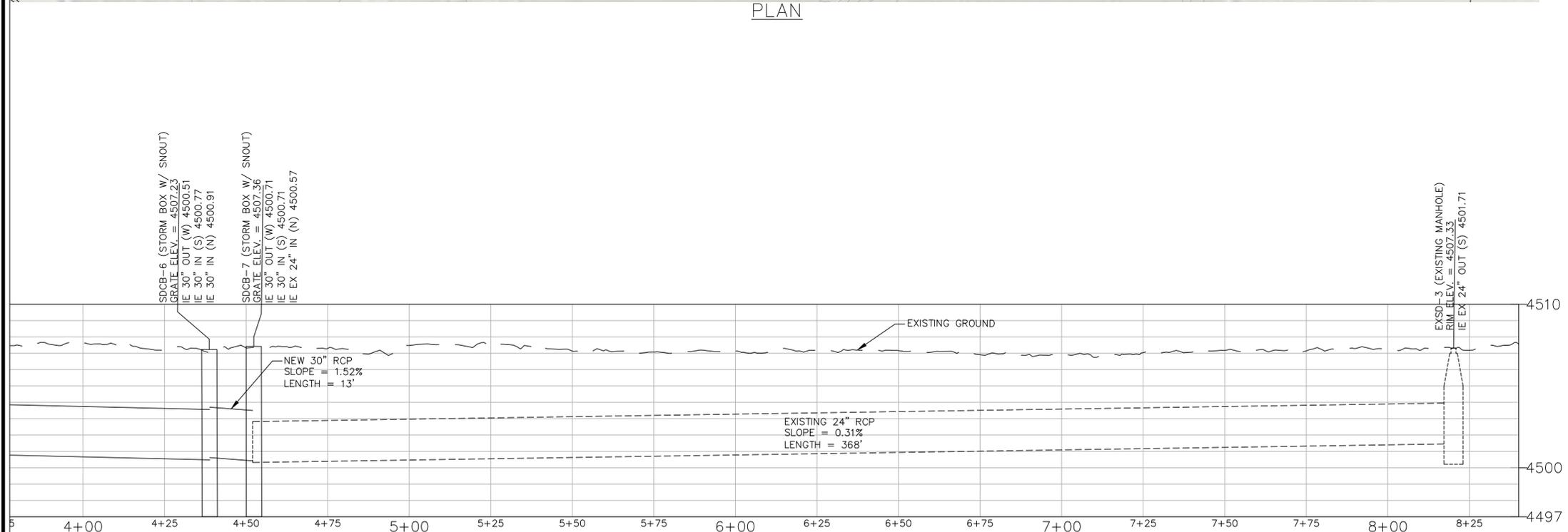
DATE: \_\_\_\_\_  
 6/15/18  
 DRAWING SCALE  
 H: 1" = 20' (22x34)  
 V: 1" = 4' (22x34)  
 This has measures the original drawing

1500 WEST 400 NORTH DETENTION BASIN  
 PLOT DATE 9/7/2018 2:05 PM  
 DRAWING NAME/Sheet Files 1.dwg

springville ENGINEERING  
 110 South Main Street Springville, UT 84663  
 Phone: 801-491-7863 bhaslam@springville.org



PLAN



PROFILE

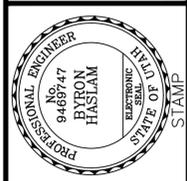


- NOTES:**
1. ALL WORK TO BE DONE IN ACCORDANCE WITH SPRINGVILLE CITY ENGINEERING STANDARDS AND SPECIFICATIONS.
  2. REMOVE AND REPLACE CONCRETE CURB, GUTTER AND SIDEWALK TO NEAREST JOINT. NO SAWCUTTING PERMITTED.
  3. PROTECT IN PLACE EX UTILITIES, PAVEMENT, CURB, GUTTER, SIDEWALK, AND ALL OTHER SITE FEATURES NOT MARKED FOR REMOVAL.
  4. FINISHED GRADE OF RECONSTRUCTED ROAD TO MATCH EXISTING GRADES. STRAIGHT GRADE FROM CENTERLINE TO EXISTING LIP OF GUTTER AT 2.0% MINIMUM CROSS SLOPE. WARP AS REQUIRED AT INTERSECTIONS AND CORNERS. USE EXISTING TOPOGRAPHIC CONTOURS AS A GUIDE. CONTRACTOR TO ESTABLISH SUFFICIENT GRADES TO ACCEPTABLY RECONSTRUCT ROAD PRIOR TO REMOVAL OF ASPHALT PAVEMENT.
  5. LIMITS OF ASPHALT REMOVAL SHOWN ON PLANS INCLUDES OVERCUT FOR "T" PATCH PER DETAIL SD-06. ADDITIONAL PAVEMENT REMOVAL WITHOUT ENGINEER APPROVAL WILL BE AT CONTRACTOR'S EXPENSE.
  6. CONTRACTORS TO COORDINATE WITH THE FOLLOWING UTILITY COMPANIES.
    - 6.1. POWER - SPRINGVILLE CITY
    - 6.2. GAS - DOMINION
    - 6.3. PHONE - CENTURYLINK
    - 6.4. CABLE - COMCAST

- KEYED NOTES:**
- 1 EXISTING STORM DRAIN MANHOLE EXSD-1.
  - 2 EXISTING 24 INCH STORM DRAIN REINFORCED CONCRETE PIPE.
  - 3 EXISTING 24 INCH SANITARY SEWER PVC PIPE.
  - 4 EXISTING UNDERGROUND POWER.
  - 5 EXISTING STORM DRAIN MANHOLE EXSD-2. ADJUST MANHOLE TO FINISHED GRADE.
  - 6 NEW 30 INCH STORM DRAIN REINFORCED CONCRETE PIPE.
  - 7 NEW CURB FACE INLET (SPRINGVILLE STD DRAWINGS SD-04) SDCB-3. AT LEAST 4' WIDE.
  - 8 NEW 5 FOOT CAST-IN-PLACE STORM DRAIN MANHOLE (SPRINGVILLE STD DRAWING SD-01) SDMH-1.
  - 9 NEW 4 FOOT X 4 FOOT STORM DRAIN STRUCTURE WITH FLAT BICYCLE SAFE GRATE SDCB-2.
  - 10 EXISTING STORM DRAIN MANHOLE EXSD-3.
  - 11 NEW COMBO BOX (SPRINGVILLE STD DRAWING SD-05) SDCB-1.
  - 12 EXISTING 5 FOOT X 5 FOOT STORM DRAIN STRUCTURE EXSD-4.
  - 13 ASPHALT SAW CUT LINE. MAXIMUM 8 FEET WIDE ASPHALT "T" PATCH.
  - 14 EXISTING 24 INCH STORM DRAIN REINFORCED CONCRETE PIPE TO BE REMOVED.
  - 15 EXISTING 30 INCH STORM DRAIN REINFORCED CONCRETE PIPE.
  - 16 EXISTING STORM DRAIN BOX EXSD-4.
  - 17 NEW 4 FOOT X 4 FOOT STORM DRAIN OUTLET STRUCTURE WITH TRASH GRATE SDCB-4.
  - 18 NEW 24 INCH STORM DRAIN REINFORCED CONCRETE PIPE.
  - 19 FUTURE 36 INCH STORM DRAIN REINFORCED CONCRETE PIPE CONNECTION.
  - 20 NEW 4 FOOT X 4 FOOT STORM DRAIN STRUCTURE WITH SNOUT AND FLAT BICYCLE SAFE GRATE SDCB-6.3 FOOT MINIMUM BOX SUMP.
  - 21 NEW 10 INCH STORM DRAIN PVC.
  - 22 NEW 4 FOOT X 4 FOOT STORM DRAIN STRUCTURE WITH SNOUT AND FLAT BICYCLE SAFE GRATE SDCB-7.3 FOOT MINIMUM BOX SUMP.
  - 23 EXISTING MANHOLE TO BE REMOVED AND DISPOSE.
  - 24 NEW COMBO BOX (SPRINGVILLE STD DRAWING SD-06) SDCB-6.
  - 25 CAP EXISTING WATER WELL.
  - 26 FUTURE 2' CURB AND GUTTER.
  - 27 FUTURE 5' CONCRETE SIDEWALK.
  - 28 FUTURE PI MAINLINE AND SERVICE LATERAL.
  - 29 NEW 4 FOOT X 4 FOOT STORM DRAIN STRUCTURE WITH FLAT BICYCLE SAFE GRATE SDCB-5.

SD-2  
5 of 10

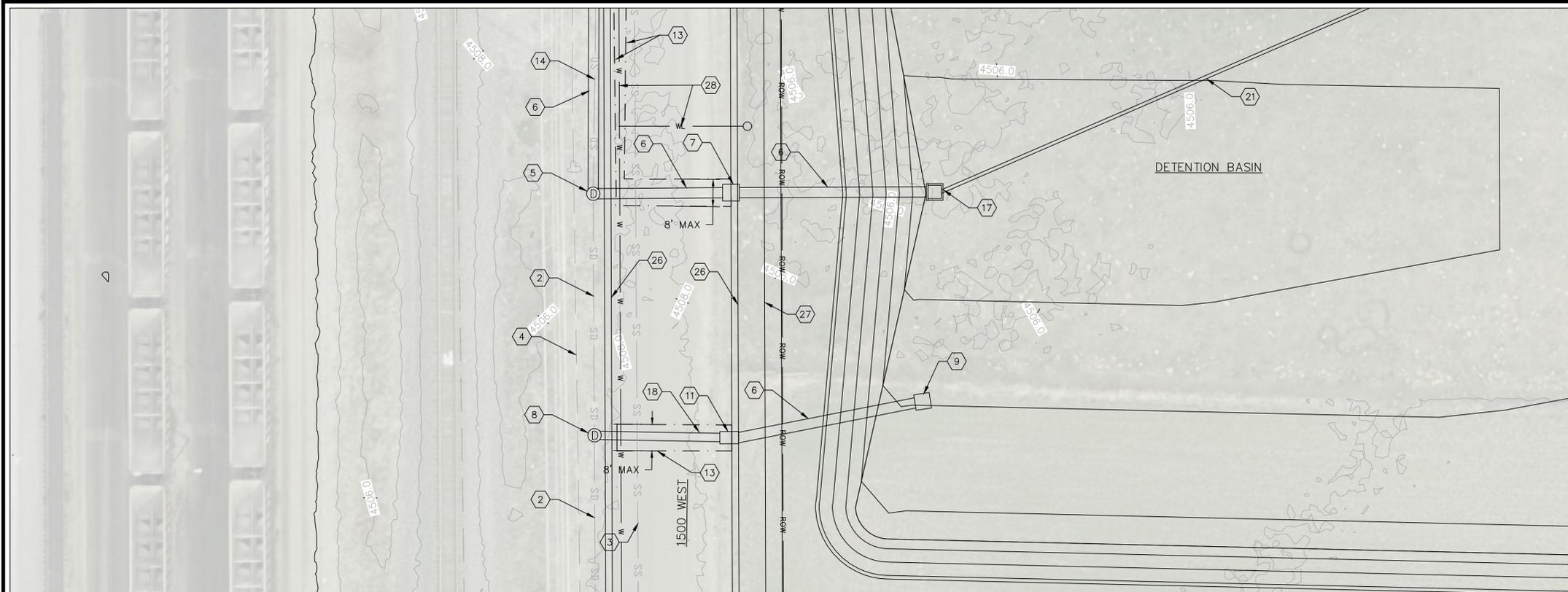
APPROVED BY CITY ENGINEER  
DATE:



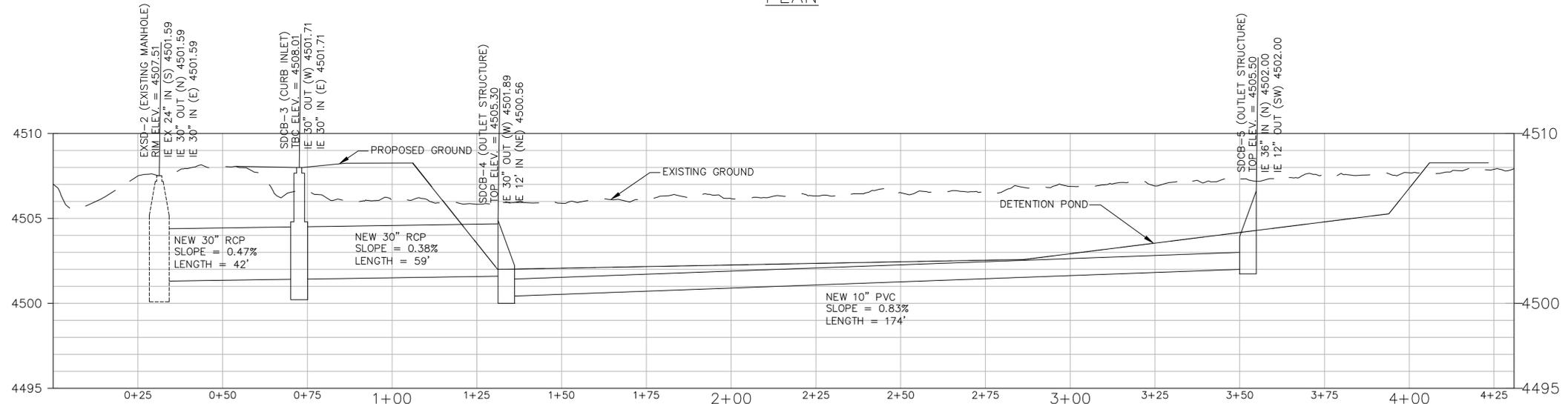
6/15/18  
BH BH TA  
DRAWING SCALE  
H: 20' (22x34)  
V: 1" = 40' (11x17)  
V: 1" = 4' (22x34)  
V: 1" = 8' (11x17)

1500 WEST 400 NORTH DETENTION BASIN  
DRAWING NAME/Sheet Files 1.dwg  
PLOT DATE: 9/7/2018 2:09 PM

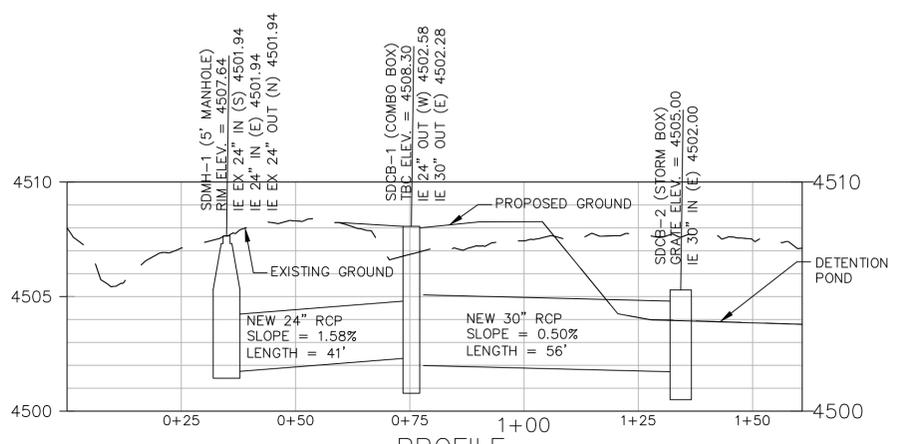
springville ENGINEERING  
110 South Main Street Springville, UT 84663  
Phone: 801-491-7863  
bhastam@springville.org



PLAN



PROFILE



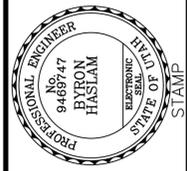
PROFILE

- NOTES:
- ALL WORK TO BE DONE IN ACCORDANCE WITH SPRINGVILLE CITY ENGINEERING STANDARDS AND SPECIFICATIONS.
  - REMOVE AND REPLACE CONCRETE CURB, GUTTER AND SIDEWALK TO NEAREST JOINT. NO SAWCUTTING PERMITTED.
  - PROTECT IN PLACE EX UTILITIES, PAVEMENT, CURB, GUTTER, SIDEWALK, AND ALL OTHER SITE FEATURES NOT MARKED FOR REMOVAL.
  - FINISHED GRADE OF RECONSTRUCTED ROAD TO MATCH EXISTING GRADES. STRAIGHT GRADE FROM CENTERLINE TO EXISTING LIP OF GUTTER AT 2.0% MINIMUM CROSS SLOPE. WARP AS REQUIRED AT INTERSECTIONS AND CORNERS. USE EXISTING TOPOGRAPHIC CONTOURS AS A GUIDE. CONTRACTOR TO ESTABLISH SUFFICIENT GRADES TO ACCEPTABLY RECONSTRUCT ROAD PRIOR TO REMOVAL OF ASPHALT PAVEMENT.
  - LIMITS OF ASPHALT REMOVAL SHOWN ON PLANS INCLUDES OVERCUT FOR "T" PATCH PER DETAIL SD-06. ADDITIONAL PAVEMENT REMOVAL WITHOUT ENGINEER APPROVAL WILL BE AT CONTRACTOR'S EXPENSE.
  - CONTRACTORS TO COORDINATE WITH THE FOLLOWING UTILITY COMPANIES:
    - POWER - SPRINGVILLE CITY
    - GAS - DOMINION
    - PHONE - CENTURYLINK
    - CABLE - COMCAST

- KEYED NOTES:
- EXISTING STORM DRAIN MANHOLE EXSD-1.
  - EXISTING 24 INCH STORM DRAIN REINFORCED CONCRETE PIPE.
  - EXISTING 24 INCH SANITARY SEWER PVC PIPE.
  - EXISTING UNDERGROUND POWER.
  - EXISTING STORM DRAIN MANHOLE EXSD-2. ADJUST MANHOLE TO FINISHED GRADE.
  - NEW 30 INCH STORM DRAIN REINFORCED CONCRETE PIPE.
  - NEW CURB FACE INLET (SPRINGVILLE STD DRAWINGS SD-04) SDCB-3. AT LEAST 4' WIDE.
  - NEW 5 FOOT CAST-IN-PLACE STORM DRAIN MANHOLE (SPRINGVILLE STD DRAWING SD-01) SDMH-1.
  - NEW 4 FOOT X 4 FOOT STORM DRAIN STRUCTURE WITH FLAT BICYCLE SAFE GRATE SDCB-2.
  - EXISTING STORM DRAIN MANHOLE EXSD-3.
  - NEW COMBO BOX (SPRINGVILLE STD DRAWING SD-05) SDCB-1.
  - EXISTING 5 FOOT X 5 FOOT STORM DRAIN STRUCTURE EXSD-4.
  - ASPHALT SAW CUT LINE. MAXIMUM 8 FEET WIDE ASPHALT "T" PATCH.
  - EXISTING 24 INCH STORM DRAIN REINFORCED CONCRETE PIPE TO BE REMOVED.
  - EXISTING 30 INCH STORM DRAIN REINFORCED CONCRETE PIPE.
  - EXISTING STORM DRAIN BOX EXSD-4.
  - NEW 4 FOOT X 4 FOOT STORM DRAIN OUTLET STRUCTURE WITH TRASH GRATE SDCB-4.
  - NEW 24 INCH STORM DRAIN REINFORCED CONCRETE PIPE.
  - FUTURE 36 INCH STORM DRAIN REINFORCED CONCRETE PIPE CONNECTION.
  - NEW 4 FOOT X 4 FOOT STORM DRAIN STRUCTURE WITH SNOOT AND FLAT BICYCLE SAFE GRATE SDCB-6.3 FOOT MINIMUM BOX SUMP.
  - NEW 10 INCH STORM DRAIN PVC.
  - NEW 4 FOOT X 4 FOOT STORM DRAIN STRUCTURE WITH SNOOT AND FLAT BICYCLE SAFE GRATE SDCB-7.3 FOOT MINIMUM BOX SUMP.
  - EXISTING MANHOLE TO BE REMOVED AND DISPOSE.
  - NEW COMBO BOX (SPRINGVILLE STD DRAWING SD-06) SDCB-6.
  - CAP EXISTING WATER WELL.
  - FUTURE 2' CURB AND GUTTER.
  - FUTURE 5' CONCRETE SIDEWALK.
  - FUTURE PI MAINLINE AND SERVICE LATERAL.
  - NEW 4 FOOT X 4 FOOT STORM DRAIN STRUCTURE WITH FLAT BICYCLE SAFE GRATE SDCB-5.

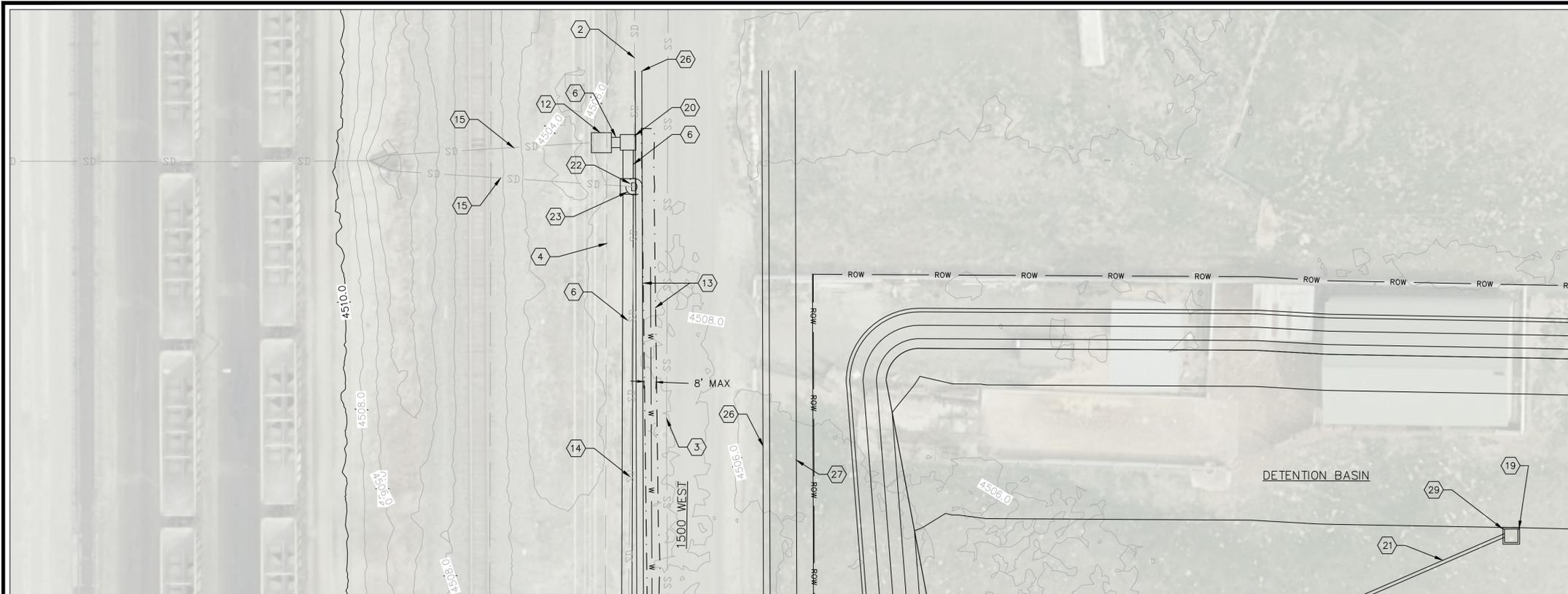


APPROVED BY CITY ENGINEER  
DATE:

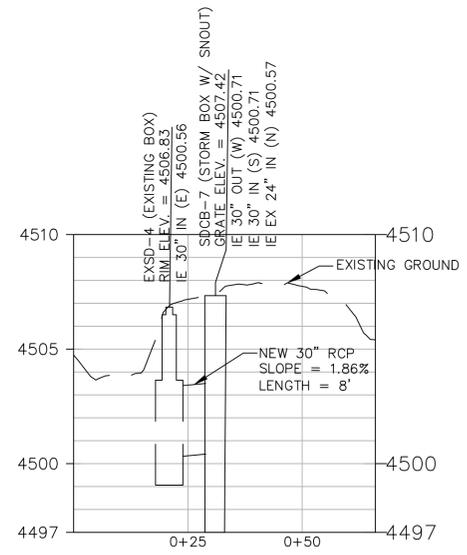


DRAWING SCALE  
H: 20' (22x34)  
V: 1" = 4' (11x17)  
1" = 8' (11x17)

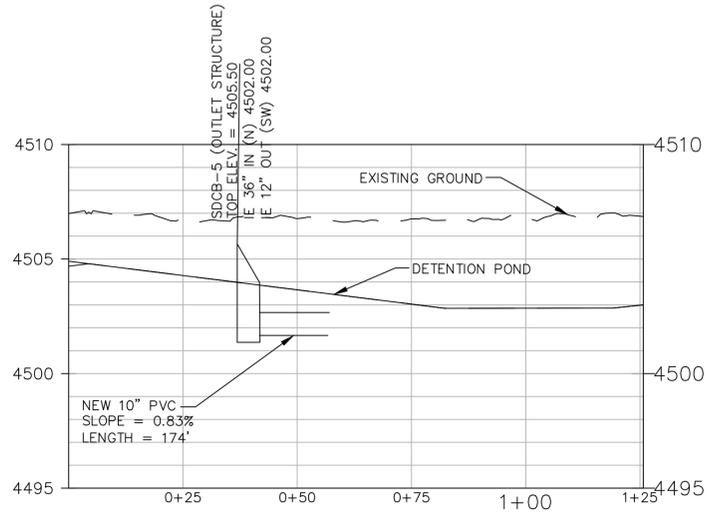
1500 WEST 400 NORTH DETENTION BASIN  
DRAWING NAME/Sheet Files 1.dwg  
PLOT DATE: 9/7/2018 2:09 PM



PLAN



PROFILE



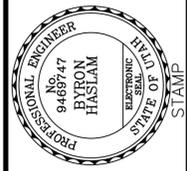
PROFILE

- NOTES:**
- ALL WORK TO BE DONE IN ACCORDANCE WITH SPRINGVILLE CITY ENGINEERING STANDARDS AND SPECIFICATIONS.
  - REMOVE AND REPLACE CONCRETE CURB, GUTTER AND SIDEWALK TO NEAREST JOINT. NO SAWCUTTING PERMITTED.
  - PROTECT IN PLACE EX UTILITIES, PAVEMENT, CURB, GUTTER, SIDEWALK, AND ALL OTHER SITE FEATURES NOT MARKED FOR REMOVAL.
  - FINISHED GRADE OF RECONSTRUCTED ROAD TO MATCH EXISTING GRADES. STRAIGHT GRADE FROM CENTERLINE TO EXISTING LIP OF GUTTER AT 2.0% MINIMUM CROSS SLOPE. WARP AS REQUIRED AT INTERSECTIONS AND CORNERS. USE EXISTING TOPOGRAPHIC CONTOURS AS A GUIDE. CONTRACTOR TO ESTABLISH SUFFICIENT GRADES TO ACCEPTABLY RECONSTRUCT ROAD PRIOR TO REMOVAL OF ASPHALT PAVEMENT.
  - LIMITS OF ASPHALT REMOVAL SHOWN ON PLANS INCLUDES OVERTURN FOR "T" PATCH PER DETAIL SD-06. ADDITIONAL PAVEMENT REMOVAL WITHOUT ENGINEER APPROVAL WILL BE AT CONTRACTOR'S EXPENSE.
  - CONTRACTORS TO COORDINATE WITH THE FOLLOWING UTILITY COMPANIES.
    - POWER - SPRINGVILLE CITY
    - GAS - DOMINION
    - PHONE - CENTURYLINK
    - CABLE - COMCAST

**KEYED NOTES:**

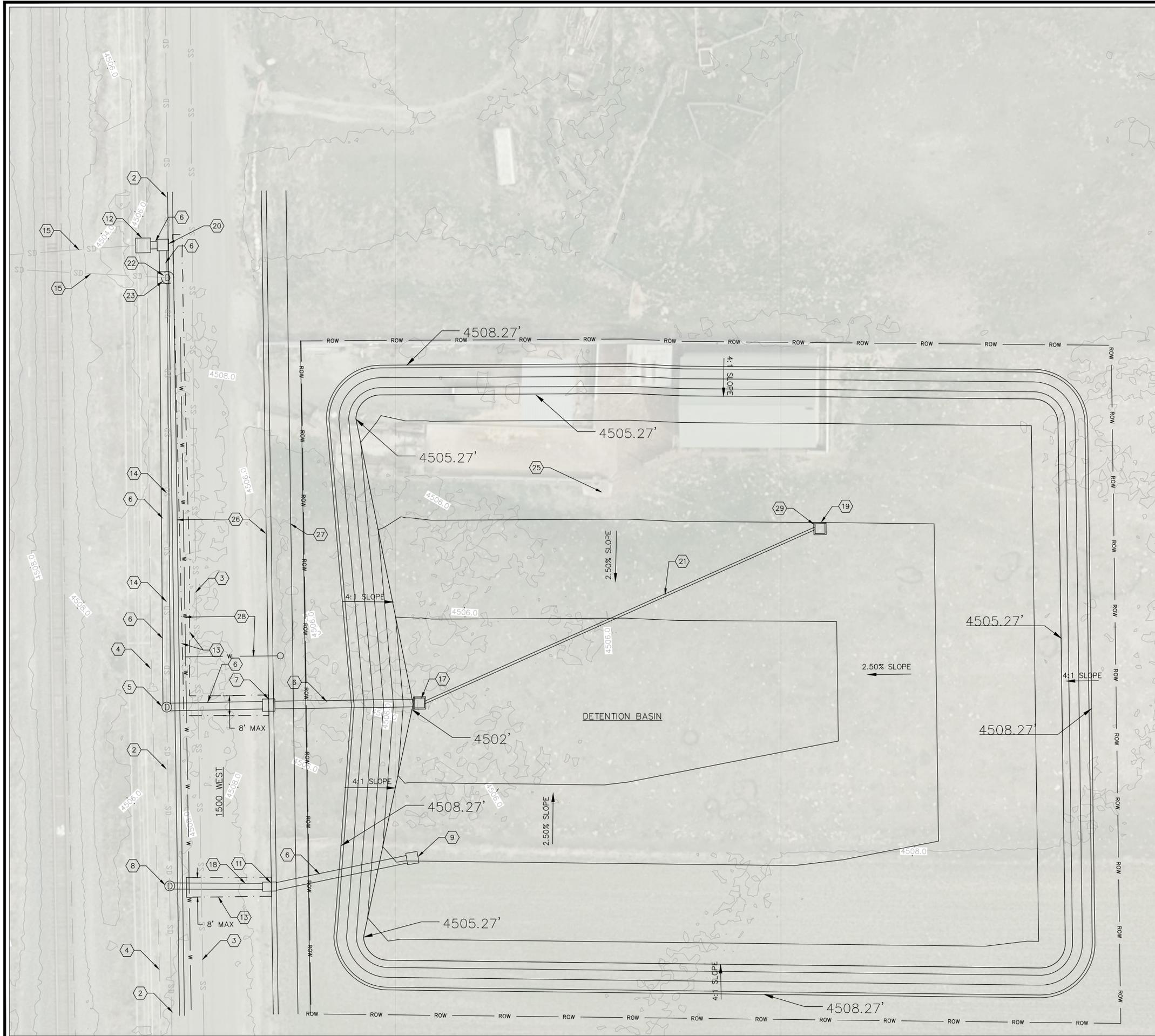
- EXISTING STORM DRAIN MANHOLE EXSD-1.
- EXISTING 24 INCH STORM DRAIN REINFORCED CONCRETE PIPE.
- EXISTING 24 INCH SANITARY SEWER PVC PIPE.
- EXISTING UNDERGROUND POWER.
- EXISTING STORM DRAIN MANHOLE EXSD-2. ADJUST MANHOLE TO FINISHED GRADE.
- NEW 30 INCH STORM DRAIN REINFORCED CONCRETE PIPE.
- NEW CURB FACE INLET (SPRINGVILLE STD DRAWINGS SD-04) SDCB-3. AT LEAST 4' WIDE.
- NEW 5 FOOT CAST-IN-PLACE STORM DRAIN MANHOLE (SPRINGVILLE STD DRAWING SD-01) SDMH-1.
- NEW 4 FOOT X 4 FOOT STORM DRAIN STRUCTURE WITH FLAT BICYCLE SAFE GRATE SDCB-2.
- EXISTING STORM DRAIN MANHOLE EXSD-3.
- NEW COMBO BOX (SPRINGVILLE STD DRAWING SD-05) SDCB-1.
- EXISTING 5 FOOT X 5 FOOT STORM DRAIN STRUCTURE EXSD-4.
- ASPHALT SAW CUT LINE. MAXIMUM 8 FEET WIDE ASPHALT "T" PATCH.
- EXISTING 24 INCH STORM DRAIN REINFORCED CONCRETE PIPE TO BE REMOVED.
- EXISTING 30 INCH STORM DRAIN REINFORCED CONCRETE PIPE.
- EXISTING STORM DRAIN BOX EXSD-4.
- NEW 4 FOOT X 4 FOOT STORM DRAIN OUTLET STRUCTURE WITH TRASH GRATE SDCB-4.
- NEW 24 INCH STORM DRAIN REINFORCED CONCRETE PIPE.
- FUTURE 36 INCH STORM DRAIN REINFORCED CONCRETE PIPE CONNECTION.
- NEW 4 FOOT X 4 FOOT STORM DRAIN STRUCTURE WITH SNOUT AND FLAT BICYCLE SAFE GRATE SDCB-6.3 FOOT MINIMUM BOX SUMP.
- NEW 10 INCH STORM DRAIN PVC.
- NEW 4 FOOT X 4 FOOT STORM DRAIN STRUCTURE WITH SNOUT AND FLAT BICYCLE SAFE GRATE SDCB-7.3 FOOT MINIMUM BOX SUMP.
- EXISTING MANHOLE TO BE REMOVED AND DISPOSE.
- NEW COMBO BOX (SPRINGVILLE STD DRAWING SD-06) SDCB-6.
- CAP EXISTING WATER WELL.
- FUTURE 2' CURB AND GUTTER.
- FUTURE 5' CONCRETE SIDEWALK.
- FUTURE PI MAINLINE AND SERVICE LATERAL.
- NEW 4 FOOT X 4 FOOT STORM DRAIN STRUCTURE WITH FLAT BICYCLE SAFE GRATE SDCB-5.

APPROVED BY CITY ENGINEER  
DATE:



BH 6/15/18  
BH TA  
DRAWING SCALE  
(22x34) 1" = 40'  
(11x17) 1" = 4'  
(22x34) 1" = 4'  
(11x17) 1" = 8'

1500 WEST 400 NORTH DETENTION BASIN  
PLOT DATE 9/7/2018 2:10 PM  
DRAWING NAME Sheet Files 1.dwg

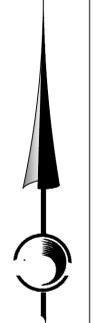


**NOTES:**

1. ALL WORK TO BE DONE IN ACCORDANCE WITH SPRINGVILLE CITY ENGINEERING STANDARDS AND SPECIFICATIONS.
2. REMOVE AND REPLACE CONCRETE CURB, GUTTER AND SIDEWALK TO NEAREST JOINT. NO SAWCUTTING PERMITTED.
3. PROTECT IN PLACE EX UTILITIES, PAVEMENT, CURB, GUTTER, SIDEWALK, AND ALL OTHER SITE FEATURES NOT MARKED FOR REMOVAL.
4. FINISHED GRADE OF RECONSTRUCTED ROAD TO MATCH EXISTING GRADES. STRAIGHT GRADE FROM CENTERLINE TO EXISTING LIP OF GUTTER AT 2.0% MINIMUM CROSS SLOPE. WARP AS REQUIRED AT INTERSECTIONS AND CORNERS. USE EXISTING TOPOGRAPHIC CONTOURS AS A GUIDE. CONTRACTOR TO ESTABLISH SUFFICIENT GRADES TO ACCEPTABLY RECONSTRUCT ROAD PRIOR TO REMOVAL OF ASPHALT PAVEMENT.
5. LIMITS OF ASPHALT REMOVAL SHOWN ON PLANS INCLUDES OVERCUT FOR "T" PATCH PER DETAIL SD-06. ADDITIONAL PAVEMENT REMOVAL WITHOUT ENGINEER APPROVAL WILL BE AT CONTRACTOR'S EXPENSE.
6. CONTRACTORS TO COORDINATE WITH THE FOLLOWING UTILITY COMPANIES.
  - 6.1. POWER - SPRINGVILLE CITY
  - 6.2. GAS - DOMINION
  - 6.3. PHONE - CENTURYLINK
  - 6.4. CABLE - COMCAST

**KEYED NOTES:**

- 1 EXISTING STORM DRAIN MANHOLE EXSD-1.
- 2 EXISTING 24 INCH STORM DRAIN REINFORCED CONCRETE PIPE.
- 3 EXISTING 24 INCH SANITARY SEWER PVC PIPE.
- 4 EXISTING UNDERGROUND POWER.
- 5 EXISTING STORM DRAIN MANHOLE EXSD-2. ADJUST MANHOLE TO FINISHED GRADE.
- 6 NEW 30 INCH STORM DRAIN REINFORCED CONCRETE PIPE.
- 7 NEW CURB FACE INLET (SPRINGVILLE STD DRAWINGS SD-04) SDCB-3. AT LEAST 4' WIDE.
- 8 NEW 5 FOOT CAST-IN-PLACE STORM DRAIN MANHOLE (SPRINGVILLE STD DRAWING SD-01) SDMH-1.
- 9 NEW 4 FOOT X 4 FOOT STORM DRAIN STRUCTURE WITH FLAT BICYCLE SAFE GRATE SDCB-2.
- 10 EXISTING STORM DRAIN MANHOLE EXSD-3.
- 11 NEW COMBO BOX (SPRINGVILLE STD DRAWING SD-05) SDCB-1.
- 12 EXISTING 5 FOOT X 5 FOOT STORM DRAIN STRUCTURE EXSD-4.
- 13 ASPHALT SAW CUT LINE. MAXIMUM 8 FEET WIDE ASPHALT "T" PATCH.
- 14 EXISTING 24 INCH STORM DRAIN REINFORCED CONCRETE PIPE TO BE REMOVED.
- 15 EXISTING 30 INCH STORM DRAIN REINFORCED CONCRETE PIPE.
- 16 EXISTING STORM DRAIN BOX EXSD-4.
- 17 NEW 4 FOOT X 4 FOOT STORM DRAIN OUTLET STRUCTURE WITH TRASH GRATE SDCB-4.
- 18 NEW 24 INCH STORM DRAIN REINFORCED CONCRETE PIPE.
- 19 FUTURE 36 INCH STORM DRAIN REINFORCED CONCRETE PIPE CONNECTION.
- 20 NEW 4 FOOT X 4 FOOT STORM DRAIN STRUCTURE WITH SNOOT AND FLAT BICYCLE SAFE GRATE SDCB-6.3 FOOT MINIMUM BOX SUMP.
- 21 NEW 10 INCH STORM DRAIN PVC.
- 22 NEW 4 FOOT X 4 FOOT STORM DRAIN STRUCTURE WITH SNOOT AND FLAT BICYCLE SAFE GRATE SDCB-7.3 FOOT MINIMUM BOX SUMP.
- 23 EXISTING MANHOLE TO BE REMOVED AND DISPOSE.
- 24 NEW COMBO BOX (SPRINGVILLE STD DRAWING SD-06) SDCB-6.
- 25 CAP EXISTING WATER WELL.
- 26 FUTURE 2' CURB AND GUTTER.
- 27 FUTURE 5' CONCRETE SIDEWALK.
- 28 FUTURE PI MAINLINE AND SERVICE LATERAL.
- 29 NEW 4 FOOT X 4 FOOT STORM DRAIN STRUCTURE WITH FLAT BICYCLE SAFE GRATE SDCB-5.



SD-5  
8 of 10

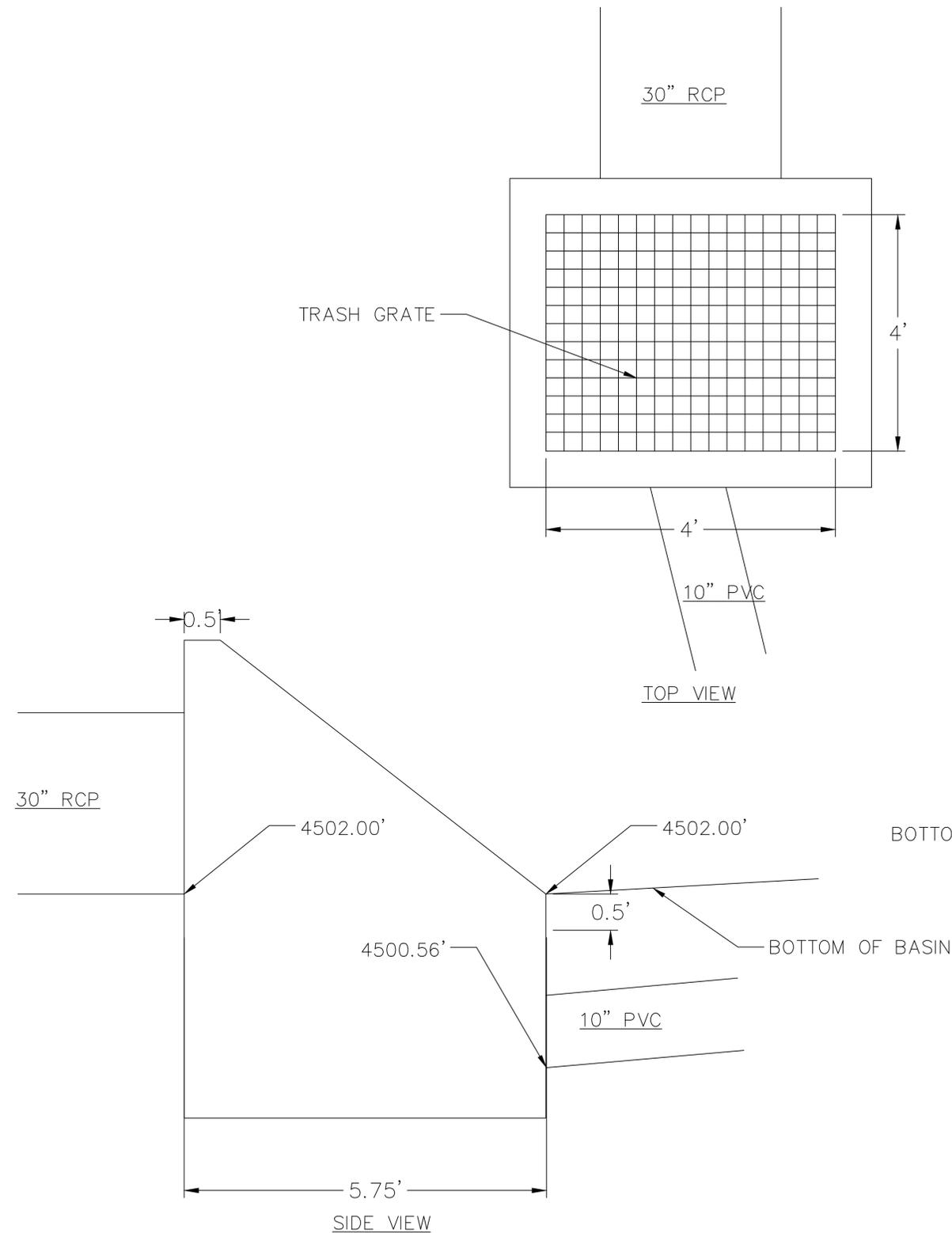
APPROVED BY CITY ENGINEER  
DATE:



BH 6/15/18  
BH TA  
DRAWING SCALE  
H: 20' 1" = 40' (11x17)  
V: 1" = 4' (22x34)  
1" = 8' (11x17)

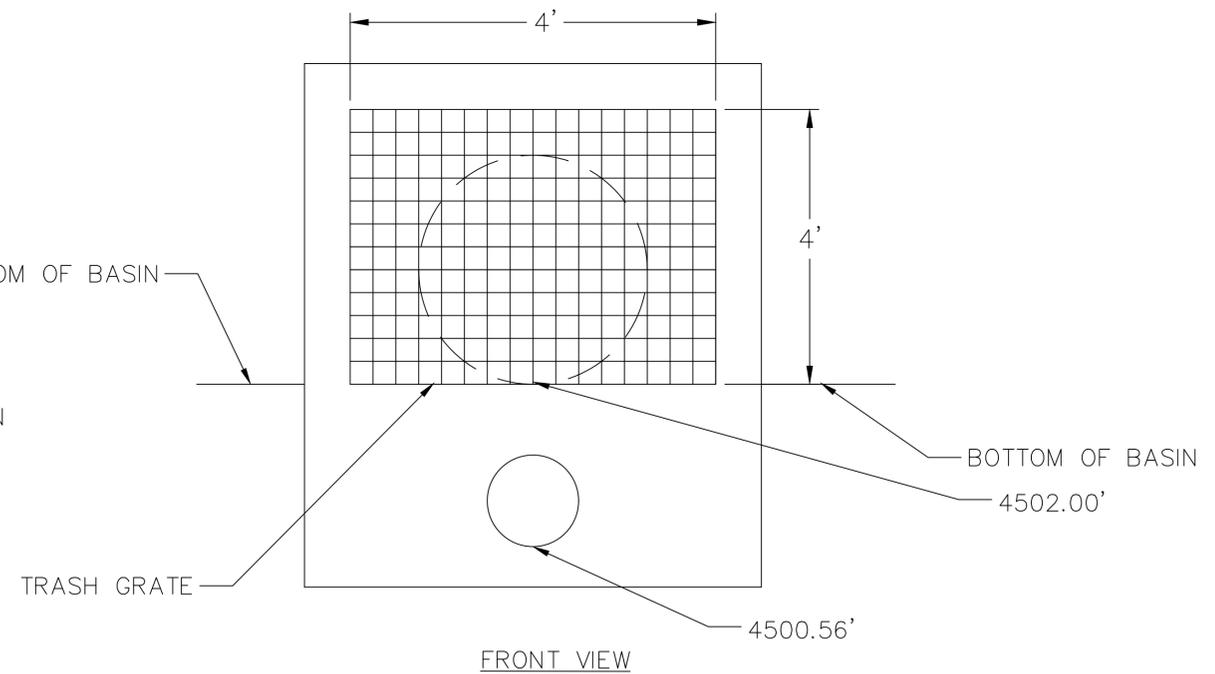
1500 WEST 400 NORTH DETENTION BASIN  
PLOT DATE 9/7/2018 2:10 PM  
DRAWING NAME Sheet Files 1.dwg

springville ENGINEERING  
110 South Main Street Springville, UT 84663  
Phone: 801-491-7863 bhaslam@springville.org



**NOTES:**

1. ALL WORK TO BE DONE IN ACCORDANCE WITH SPRINGVILLE CITY ENGINEERING STANDARDS AND SPECIFICATIONS.
2. REMOVE AND REPLACE CONCRETE CURB, GUTTER AND SIDEWALK TO NEAREST JOINT. NO SAWCUTTING PERMITTED.
3. PROTECT IN PLACE EX UTILITIES, PAVEMENT, CURB, GUTTER, SIDEWALK, AND ALL OTHER SITE FEATURES NOT MARKED FOR REMOVAL.
4. FINISHED GRADE OF RECONSTRUCTED ROAD TO MATCH EXISTING GRADES. STRAIGHT GRADE FROM CENTERLINE TO EXISTING LIP OF GUTTER AT 2.0% MINIMUM CROSS SLOPE. WARP AS REQUIRED AT INTERSECTIONS AND CORNERS. USE EXISTING TOPOGRAPHIC CONTOURS AS A GUIDE. CONTRACTOR TO ESTABLISH SUFFICIENT GRADES TO ACCEPTABLY RECONSTRUCT ROAD PRIOR TO REMOVAL OF ASPHALT PAVEMENT.
5. LIMITS OF ASPHALT REMOVAL SHOWN ON PLANS INCLUDES OVCUT FOR "T" PATCH PER DETAIL SD-06. ADDITIONAL PAVEMENT REMOVAL WITHOUT ENGINEER APPROVAL WILL BE AT CONTRACTOR'S EXPENSE.
6. CONTRACTORS TO COORDINATE WITH THE FOLLOWING UTILITY COMPANIES.
  - 6.1. POWER – SPRINGVILLE CITY
  - 6.2. GAS – DOMINION
  - 6.3. PHONE – CENTURYLINK
  - 6.4. CABLE – COMCAST



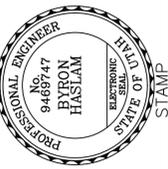
OUTLET STRUCTURE SDCB-4

DT-1

9 of 10

APPROVED BY CITY ENGINEER

DATE:



6/15/18

BH BH TA

DRAWING SCALE  
(22x34)  
(11x17)

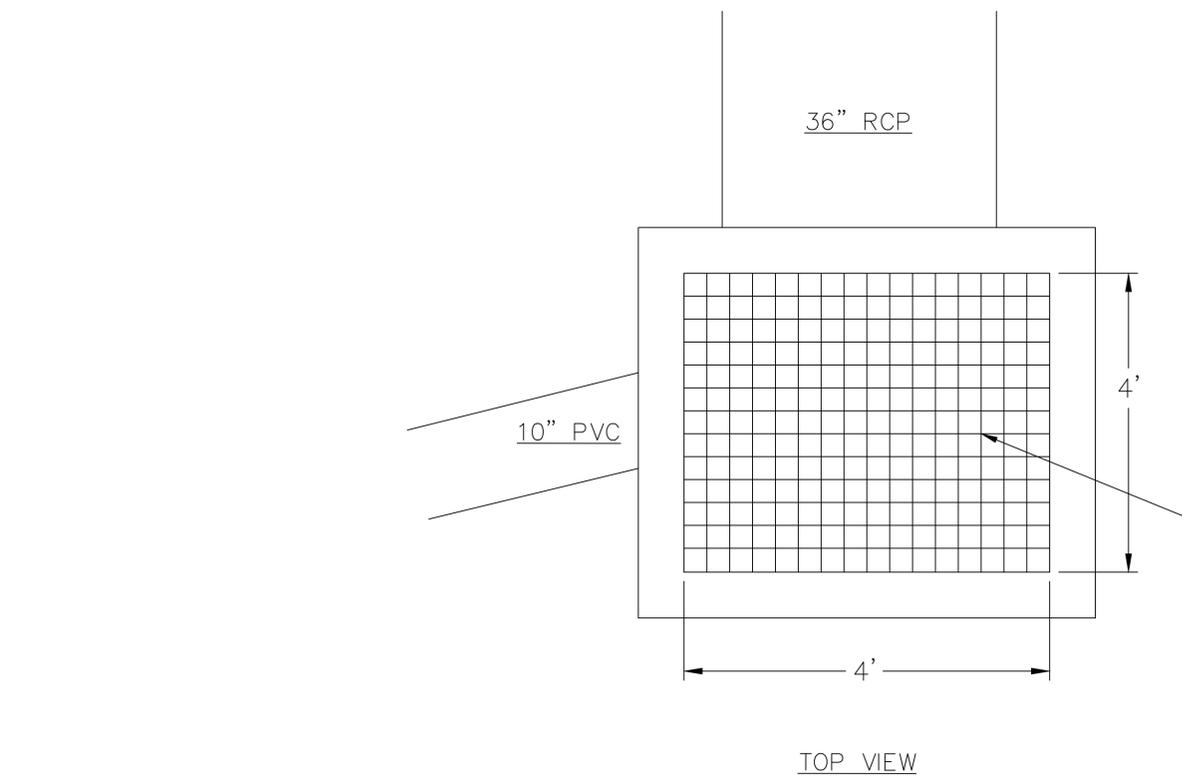
H: V:

1500 WEST 400 NORTH DETENTION BASIN

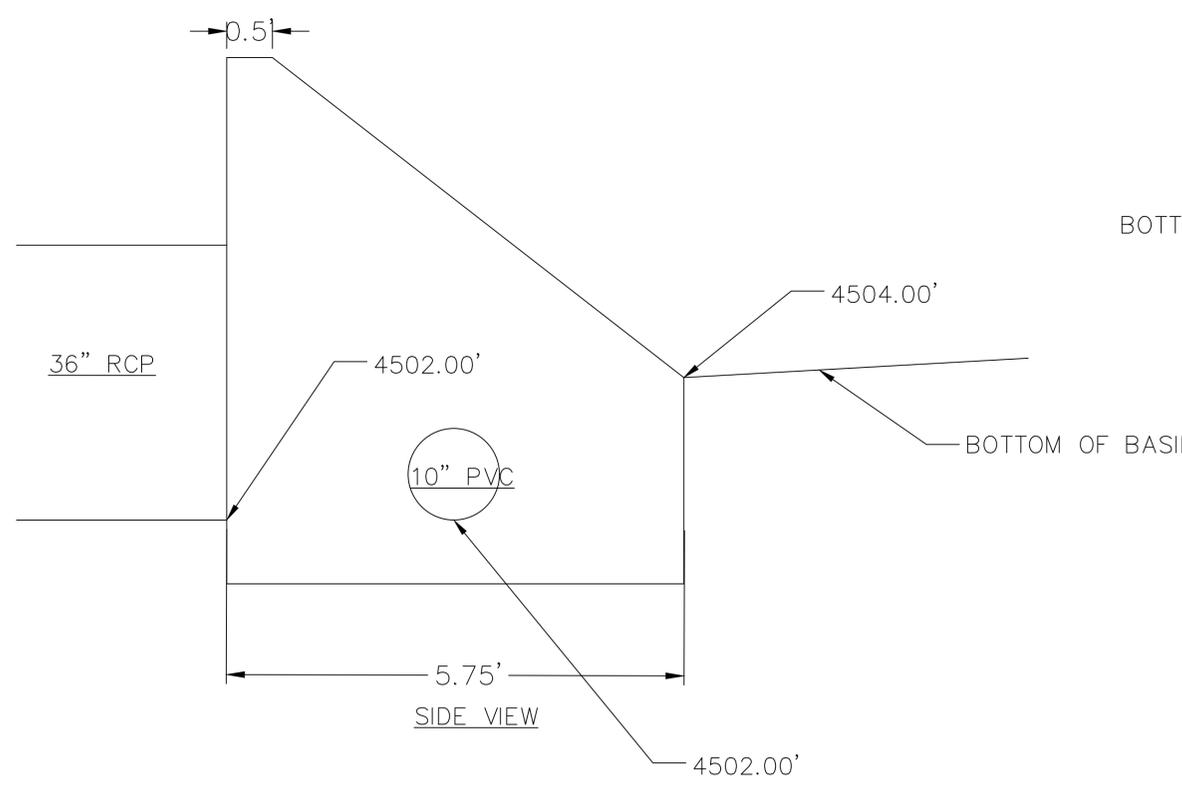
PLOT DATE: 6/7/2018 2:11 PM  
DRAWING NAME: Sheet Files 1.dwg



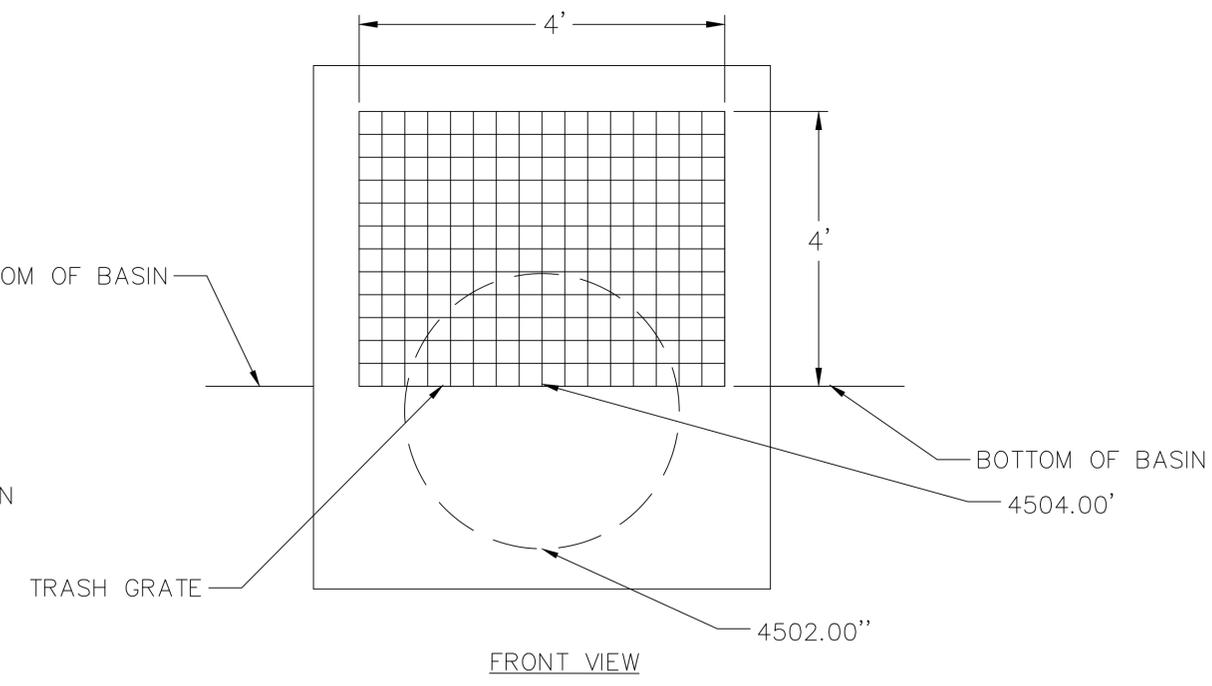
110 South Main Street Springville, UT 84663  
Phone: 801-491-7863 bhaslam@springville.org



TOP VIEW



SIDE VIEW



FRONT VIEW

NOTES:

1. ALL WORK TO BE DONE IN ACCORDANCE WITH SPRINGVILLE CITY ENGINEERING STANDARDS AND SPECIFICATIONS.
2. REMOVE AND REPLACE CONCRETE CURB, GUTTER AND SIDEWALK TO NEAREST JOINT. NO SAWCUTTING PERMITTED.
3. PROTECT IN PLACE EX UTILITIES, PAVEMENT, CURB, GUTTER, SIDEWALK, AND ALL OTHER SITE FEATURES NOT MARKED FOR REMOVAL.
4. FINISHED GRADE OF RECONSTRUCTED ROAD TO MATCH EXISTING GRADES. STRAIGHT GRADE FROM CENTERLINE TO EXISTING LIP OF GUTTER AT 2.0% MINIMUM CROSS SLOPE. WARP AS REQUIRED AT INTERSECTIONS AND CORNERS. USE EXISTING TOPOGRAPHIC CONTOURS AS A GUIDE. CONTRACTOR TO ESTABLISH SUFFICIENT GRADES TO ACCEPTABLY RECONSTRUCT ROAD PRIOR TO REMOVAL OF ASPHALT PAVEMENT.
5. LIMITS OF ASPHALT REMOVAL SHOWN ON PLANS INCLUDES OVERTCUT FOR "T" PATCH PER DETAIL SD-06. ADDITIONAL PAVEMENT REMOVAL WITHOUT ENGINEER APPROVAL WILL BE AT CONTRACTOR'S EXPENSE.
6. CONTRACTORS TO COORDINATE WITH THE FOLLOWING UTILITY COMPANIES.
  - 6.1. POWER – SPRINGVILLE CITY
  - 6.2. GAS – DOMINION
  - 6.3. PHONE – CENTURYLINK
  - 6.4. CABLE – COMCAST

# OUTLET STRUCTURE SDCB-5

DT-2  
10 of 10

APPROVED BY CITY ENGINEER  
DATE:



6/15/18  
BH BH TA  
(22x34) (11x17) (22x34) (11x17)  
DRAWING SCALE  
H: V:  
This bar measures the original drawing

1500 WEST 400 NORTH DETENTION BASIN  
PLOT DATE: 6/7/2018 2:11 PM  
DRAWING NAME: Sheet Files 1.dwg