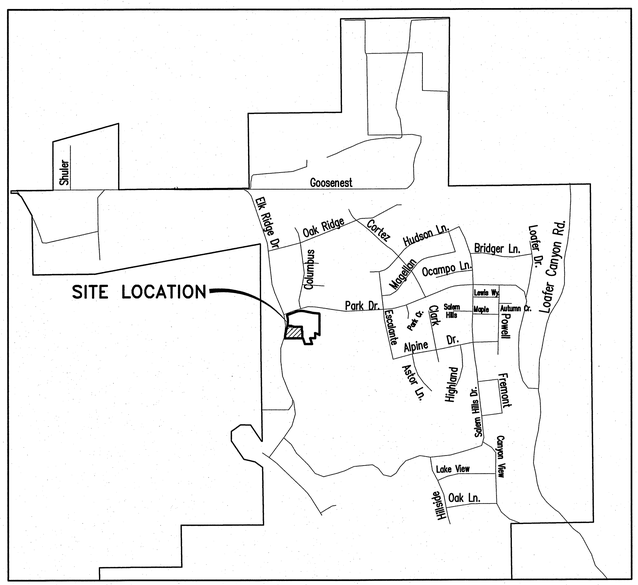
# PARKSIDE COVE PHASE 1

*A RESIDENTIAL SUBDIVISION*
*ELK RIDGE, UTAH*
*FINAL PLAN SET*
*APRIL 2016*

## -SHEET INDEX-

| SHEET | SHEET NAME |
|---|---|
| 1 | COVER |
| 2 | FINAL PLAN SHEET |
| 3 | EROSION CONTROL PLAN SHEET |
| 4 | UTILITY PLAN SHEET/INDEX |
| 5 | RE-VEGETATION/RETENTION PLAN SHEET |
| 6 | FINAL PLAT |
| 7 | DETAIL SHEET |
| 8 | DETAIL SHEET |
| 9 | DETAIL SHEET |
| 10 | OVERALL GRADING SHEET |
| PP-01 | ELK RIDGE DRIVE - STREET PLAN & PROFILE - STA. 10+00 TO STA. 14+20 |
| PP-02 | HILLSIDE DRIVE - STREET PLAN & PROFILE - STA. 10+00 TO STA. 15+20 |
| PP-03 | PARKSIDE LOOP - PLAN & PROFILE - STA. 10+00 TO STA. 13+00 |
| PP-04 | SEWER/STORM DRAIN - PLAN & PROFILE - STA. 10+00 TO STA. 12+00 |




VICINITY MAP
-NTS-

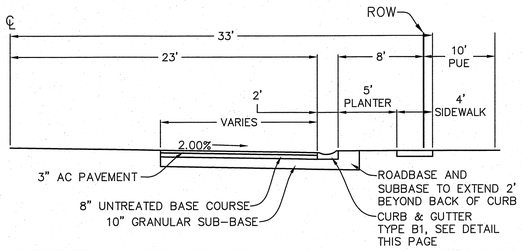
NOTE:
ALL POTABLE WATER IMPROVEMENTS TO COMPLY WITH NSF61. THE DESIGN OF THE DRINKING WATER SYSTEM COMPLIES WITH THE UTAH DIVISION OF DRINKING WATER ADMINISTRATIVE RULE R-309-500-5 DESIGN STANDARDS.

REGISTERED PROFESSIONAL ENGINEER
SCOTT D. PETERSON
No. 362274
4/11/16
STATE OF UTAH


OWNER/DEVELOPER
CASTLE CREEK HOMES SOUTH, LLC
SAM DROWN
801-330-7254
9071 S. 1300 W.
WEST JORDAN, UT 84088

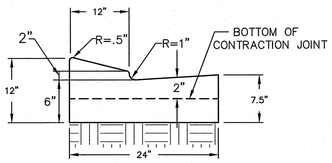
ATLAS ENGINEERING L.L.C.
PHONE: 801-655-0566
FAX: 801-655-0109
95 WEST 200 NORTH #2
SPANISH FORK, UT 84660

| CURVE TABLE | | | | | |
|---|---|---|---|---|---|
| CURVE | RADIUS | LENGTH | CHORD DIST. | CHORD BRG. | DELTA |
| C1 | 708.59 | 149.08 | 148.80 | S 07°11'25" W | 12°03'15" |

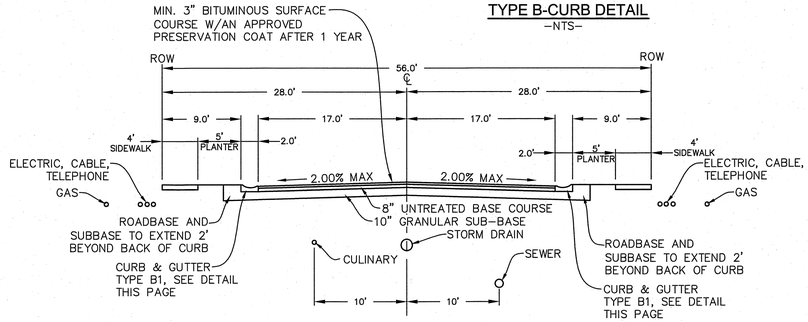



*BASED ON THE REPORT, ONCE TOPSOIL IS STRIPPED, MOST OF THE NATIVE SOILS ARE SUITABLE TO BE USED AS SUB-BASE WHEN PROPERLY SCARIFIED AND COMPACTED. HOWEVER, LEAN CLAYS WERE ENCOUNTERED AT THE WEST SIDE OF THE PROJECT. LEAN CLAYS ARE NOT SUITABLE FOR SUB-BASE AND SHOULD BE REMOVED AND REPLACED WTH SUITABLE SUB-BASE MATERIAL PRIOR TO PLACING UNTREATED BASE COURSE.

DETAIL - TYPICAL 66' RIGHT-OF-WAY STREET SECTION

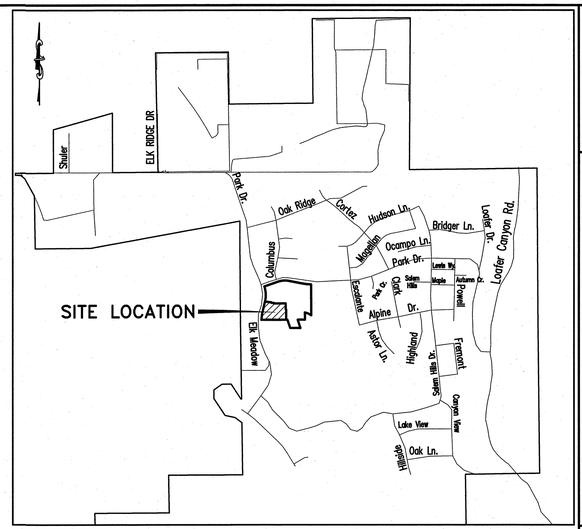



TYPE B-CURB DETAIL
-NTS-




*BASED ON THE REPORT, ONCE TOPSOIL IS STRIPPED, MOST OF THE NATIVE SOILS ARE SUITABLE TO BE USED AS SUB-BASE WHEN PROPERLY SCARIFIED AND COMPACTED. HOWEVER, LEAN CLAYS WERE ENCOUNTERED AT THE WEST SIDE OF THE PROJECT. LEAN CLAYS ARE NOT SUITABLE FOR SUB-BASE AND SHOULD BE REMOVED AND REPLACED WITH SUITABLE SUB-BASE MATERIAL PRIOR TO PLACING UNTREATED BASE COURSE.

DETAIL - TYPICAL 56' RIGHT-OF-WAY STREET SECTION
-NTS-




VICINITY MAP
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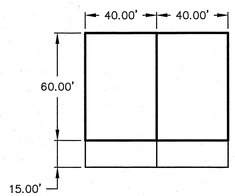
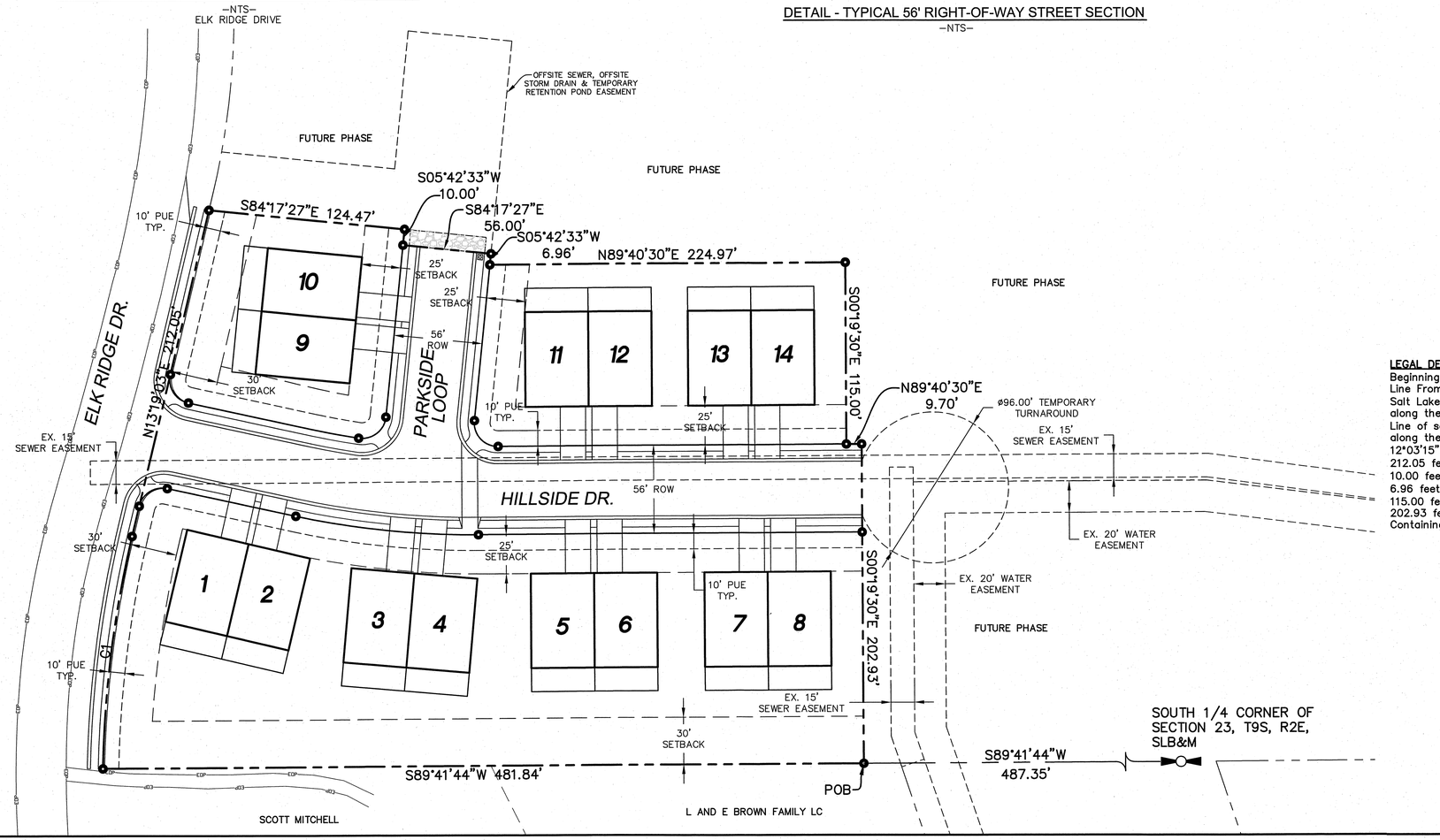



*TYPICAL BUILDING/LOT DIMENSIONS*




**LEGAL DESCRIPTION:**
Beginning at a point which lies South 89°41'44" West 487.35 feet along the Section Line From the South Quarter Corner of Section 23, Township 9 South, Range 2 East, Salt Lake Base and Meridian; and running thence South 89°41'44" West 481.84 feet along the Section Line to the East Line of Elk Ridge Drive; thence along the East Line of said Road the following two (2) courses to wit: (1) Northeasterly 149.076 feet along the arc of a 708.59 foot radius curve to the right through a central angle of 12°03'15", the chord bears North 7°11'25" East 148.80 feet, (2) North 13°19'03" East 212.05 feet; thence South 84°17'27" East 124.47 feet; thence South 05°42'33" West 10.00 feet; thence South 84°17'27" East 56.00 feet; thence South 05°42'33" West 6.96 feet; thence North 89°40'30" East 224.97 feet; thence South 00°19'30" East 115.00 feet; thence North 89°40'30" East 9.70 feet; thence South 00°19'30" East 202.93 feet to the point of beginning.
Containing 3.41 acres.


**OWNER/DEVELOPER**
CASTLE CREEK HOMES SOUTH, LLC
SAM DROWN
801-330-7254
9071 S. 1300 W.
WEST JORDAN, UT 84088


REGISTERED PROFESSIONAL ENGINEER
SCOTT D. PETERSON
No. 362274
STATE OF UTAH

0 10 20 40 80 120

(24"x36")
SCALE 1" = 40'
(11"x17")
SCALE 1" = 80'

SHEET NO. 2

FINAL PLAN SHEET
APRIL 2016

ELK RIDGE, UTAH
COUNTY, UTAH

PARKSIDE COVE PHASE 1


ATLAS ENGINEERING L.L.C.
PHONE: 801-655-0566
FAX: 801-655-0109
95 WEST 200 NORTH #2
SPANISH FORK, UT 84660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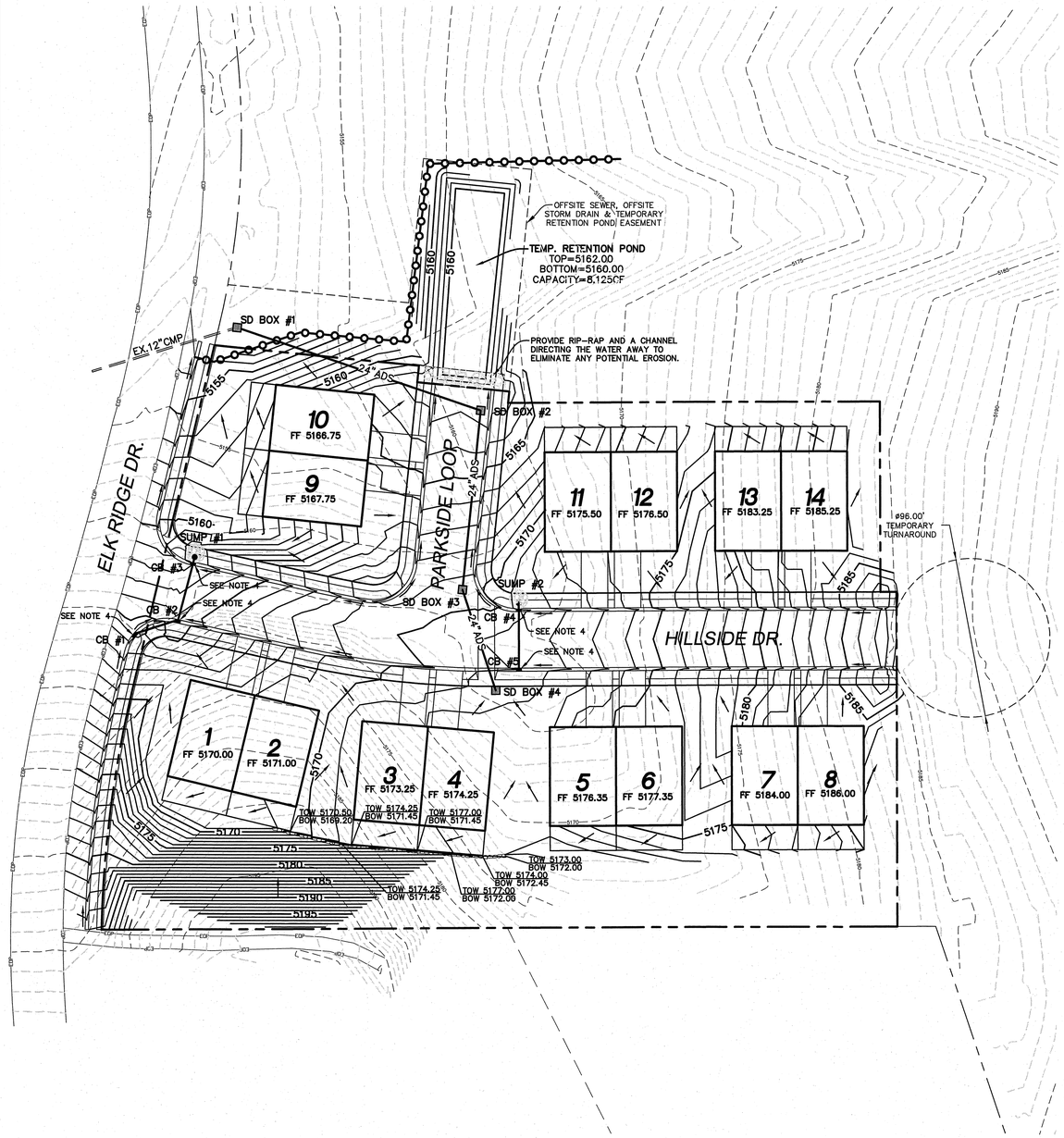


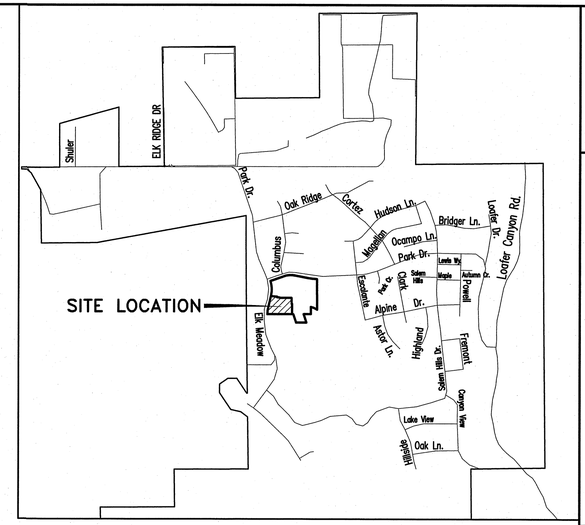


VICINITY MAP
-NTS-

SILT FENCE

NOTES:
1. UNDISTURBED AREAS OF LOT MAY REMAIN WITH UNCHANGED HISTORICAL DRAINAGE. ANY LOT AREA DISTURBED FOR RESIDENCE, HARDSCAPES, LANDSCAPING, ETC, TO BE GRADED SO RUNOFF DOES NOT LEAVE LOT. THIS MAY REQUIRE THE HOMEOWNER TO CONSTRUCT BERMS AT LOW END OF LOTS. THIS WILL BE REQUIRED OF INDIVIDUAL HOMEOWNERS AT TIME OF CONSTRUCTION.
2. CONSTRUCTION PERIOD BEST MANAGEMENT PRACTICES ARE TO BE INSPECTED AT LEAST WEEKLY, ALSO BEFORE AND AFTER EACH STORM EVENT.
3. DUST CONTROL– CONTRACTOR TO SPRAY CONSTRUCTION SITE WITH WATER AS REQUIRED TO PREVENT AIRBORNE DUST.
4. CATCH BASINS TO HAVE FILTER FABRIC OVER GRATES WITH STRAW WATTLES UNTIL CONSTRUCTION IS COMPLETE.
5. THE DUST, MUD, AND EROSION CONTROL PLAN SHALL BE ADJUSTED AS NEEDED. IF THE CONTROL PLAN DOES NOT FUNCTION AS INTENDED, A REPRESENTATIVE OF THE ELK RIDGE CITY PUBLIC WORKS DEPARTMENT MAY MAKE SUGGESTIONS, BUT THE DEVELOPER/CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE EFFECTIVENESS OF THE PLAN AND COMPLIANCE WITH ALL PERMITS AND REGULATIONS.
6. ALL DUST, MUD AND EROSION CONTROL DEVICES SHALL BE CHECKED BY THE CONTRACTOR AS NEEDED. NEEDED CLEANING AND REPAIRS SHALL BE DONE IMMEDIATELY UPON DISCOVERY.
7. ALL STORM DRAIN FACILITIES ON SITE AND ADJACENT TO THE SITE SHALL BE PROTECTED FROM SOIL EROSION FLOWS. INLET PROTECTION DEVICES SHALL BE INSTALLED IMMEDIATELY AS INDIVIDUAL INLETS ARE INSTALLED. ALL PIPE LINES THAT ARE CONNECTED TO THE PUBLIC SYSTEM SHALL BE KEPT FREE OF DIRT AND DEBRIS.
8. EROSION CONTROL METHODS AND STRUCTURES SHALL REMAIN IN PLACE AND SHALL BE MAINTAINED BY THE CONTRACTOR AS LONG AS NEEDED TO PREVENT EROSION.
9. RESEED WITH NATIVE GRASS MIX.
10. THE CONSTRUCTION OF THIS OVERFLOW NEEDS TO BE COORDINATED WITH ELK RIDGE TO CONSTRUCT AN APPROPRIATE WATER COURSE TO THE POND. INCLUDE A SMALL CUT FILLED WITH RIPRAP ALONG THE FLOW PATH DOWN TO THE POND FOR EROSION CONTROL.

REGISTERED PROFESSIONAL ENGINEER
SCOTT D. PETERSON
No. 362274
STATE OF UTAH

<u>OWNER/DEVELOPER</u>
CASTLE CREEK HOMES SOUTH, LLC
SAM DROWN
801–330–7254
9071 S. 1300 W.
WEST JORDAN, UT 84088

0 5 10 20 40 80 120

(24"x36")
SCALE 1" = 40'
(11"x17")
SCALE 1" = 80'

EROSION CONTROL PLAN SHEET
APRIL 2016

ELK RIDGE, UTAH
COUNTY, UTAH

SHEET NO. 3

PARKSIDE COVE PHASE 1

ATLAS ENGINEERING L.L.C.
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95 WEST 200 NORTH #2
SPANISH FORK, UT 84660

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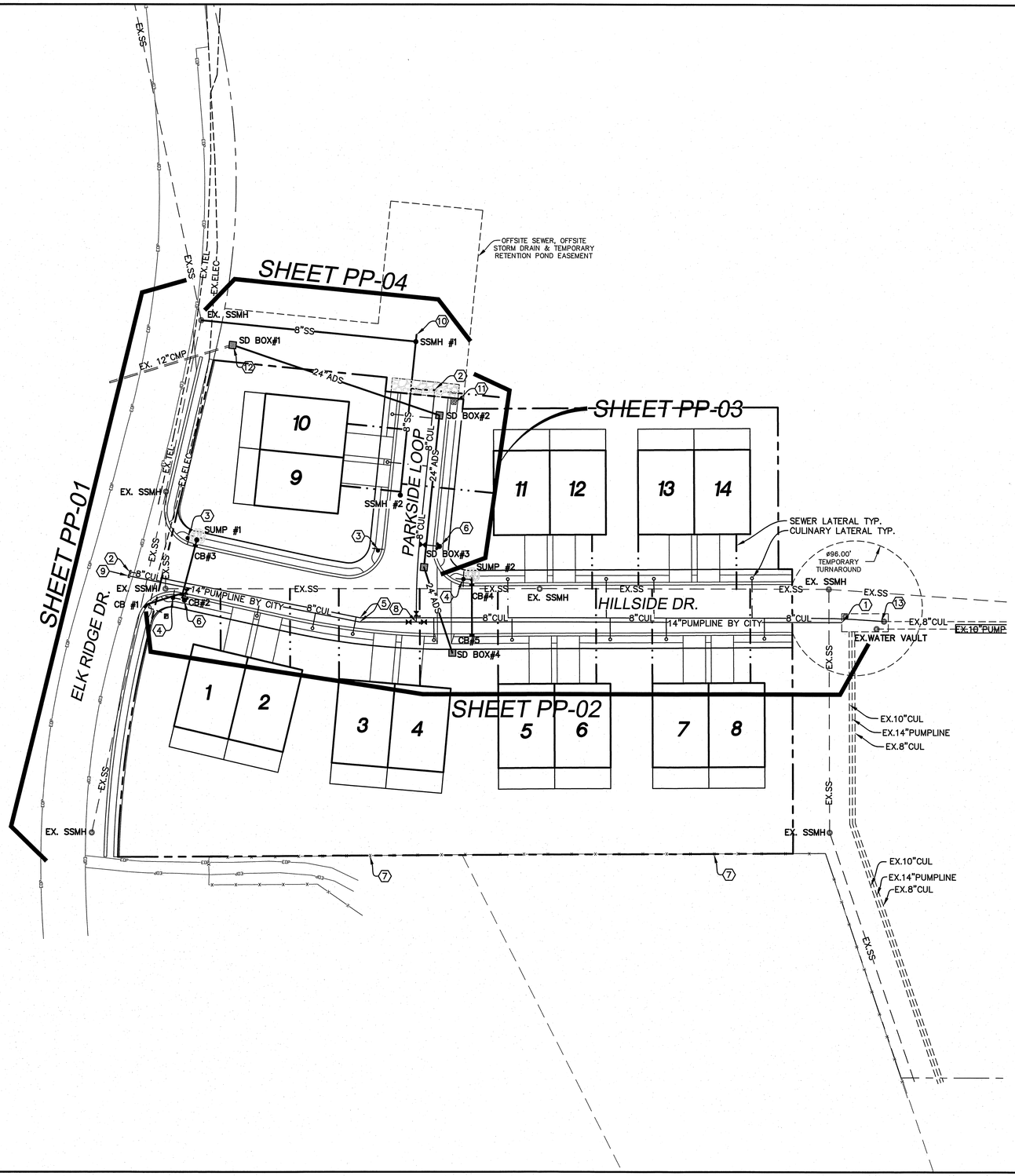


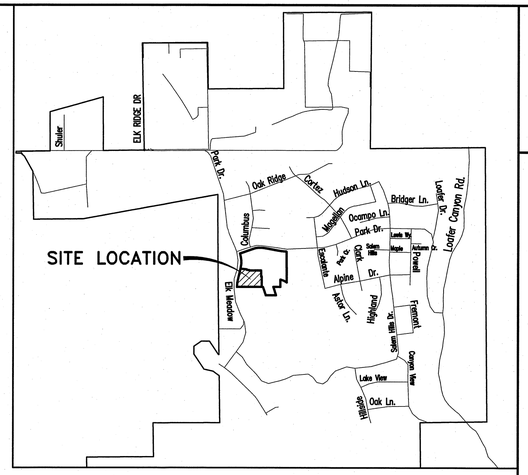


VICINITY MAP
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## LEGEND

| | | | |
|---|---|---|---|
| EXISTING POWER POLE | | SECTION LINE | |
| PROPOSED STREET LIGHT | | EASEMENT | |
| EXISTING FIRE HYDRANT | | EXISTING DEED LINE | |
| EXISTING WATER VALVE | EOP | EDGE OF PAVEMENT | |
| EXISTING STREET LIGHT | OHP | EXISTING OVER HEAD POWER | |
| EXISTING SIGN | | EXISTING FENCE LINE | |
| EXISTING MANHOLE | EX.SS | EXISTING SANITARY SEWER W/MANHOLE | |
| PROPOSED FIRE HYDRANT | EX.SD | EXISTING STORM DRAIN W/MH | |
| PROPOSED WATER VALVE | EX.CUL | EXISTING WATER | |
| PROPERTY BOUNDARY | 8"SS | PROPOSED SEWER | |
| CENTERLINE | 15"RCP | PROPOSED STORM DRAIN | |
| RIGHT-OF-WAY LINE | 8"CUL | PROPOSED CULINARY WATER C900 PVC | |
| LOT LINE | 8"PI | PROPOSED PRESSURIZED IRRIGATION (C900 PURPLE PVC) | |

## NOTES

1. LOCATE & TIE TO EXISTING 14" STUB BELOW EX. MH WITH BLOW-OFF VALVE PER ELK RIDGE CITY.
2. CAP/PLUG & MARK TO SURFACE PROPOSED 8" CULINARY WATERLINE
3. INSTALL STOP SIGN PER ELK RIDGE CITY STANDARDS.
4. INSTALL STREETLIGHT PER ELK RIDGE CITY STANDARDS.
5. INSTALL 11.25° BEND.
6. INSTALL FIRE HYDRANT ASSEMBLY PER ELK RIDGE CITY STANDARDS.
7. EXISTING FENCE TO REMAIN.
8. INSTALL 8"x8"x8" TEE W/VALVES ALL DIRECTIONS PER ELK RIDGE CITY STANDARDS.
9. CAP/PLUG & MARK TO SURFACE PROPOSED 14" CULINARY PUMPLINE
10. CAP/PLUG & MARK TO SURFACE PROPOSED 8" SEWER LINE
11. INSTALL COMMUNITY MAILBOX
12. LOCATE & TIE TO EX. 12" CMP PIPE
13. LOCATE & TIE TO EXISTING 8" CULINARY WATERLINE PER ELK RIDGE CITY STANDARDS.

REGISTERED PROFESSIONAL ENGINEER
SCOTT D. PETERSON
No. 362274
STATE OF UTAH

5 0 10 20 40 80 120

(24"x36")
SCALE 1" = 40'
(11"x17")
SCALE 1" = 80'

SHEET NO. 4

UTILITY PLAN SHEET
APRIL 2016

ELK RIDGE, UTAH
COUNTY, UTAH

# PARKSIDE COVE PHASE 1


ATLAS ENGINEERING L.L.C.
PHONE:801-655-0566
FAX:801-655-0109
95 WEST 200 NORTH #2
SPANISH FORK, UT 84660


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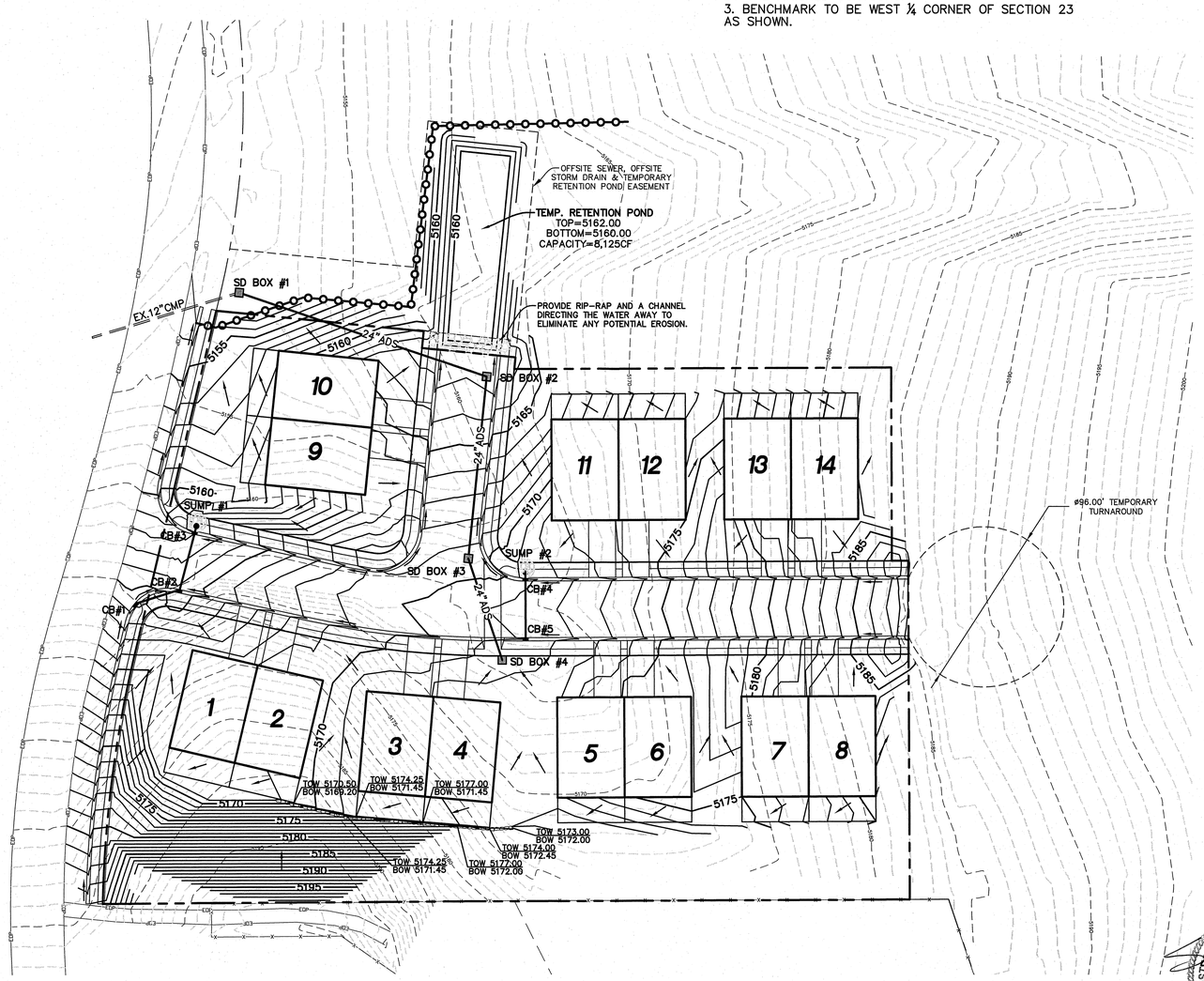
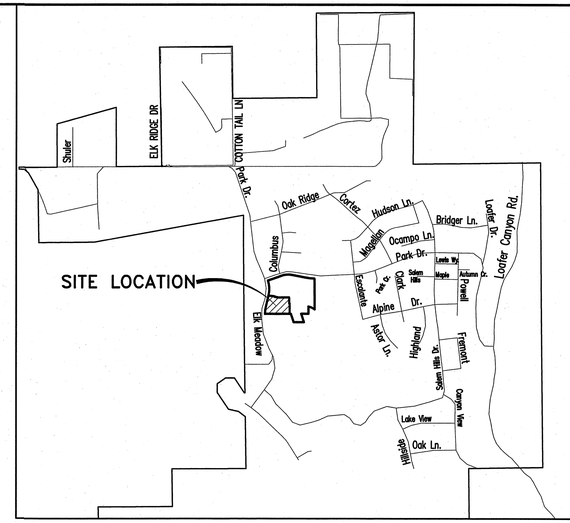
SILT FENCE

**NOTES:**
1. THERE ARE NO AREAS GREATER THAN 30% SLOPE.
2. IN ORDER TO KEEP PLAN READABLE DISTURBED AREAS HAVE NOT BEEN HATCHED. THEY ARE DELINEATED BY THE FINISHED CONTOURS.
3. BENCHMARK TO BE WEST ¼ CORNER OF SECTION 23 AS SHOWN.




VICINITY MAP
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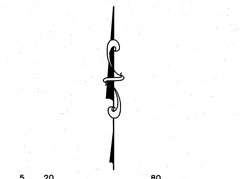


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REGISTERED PROFESSIONAL ENGINEER
SCOTT D. PETERSON
No. 362274
STATE OF UTAH

**OWNER/DEVELOPER**
CASTLE CREEK HOMES SOUTH, LLC
SAM DROWN
801-330-7254
9071 S. 1300 W.
WEST JORDAN, UT 84088

SHEET NO. 5

RE-VEGETATION/RETENTION PLAN
APRIL 2016

ELK RIDGE, UTAH
COUNTY, UTAH

PARKSIDE COVE PHASE 1

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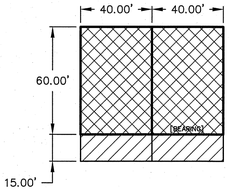
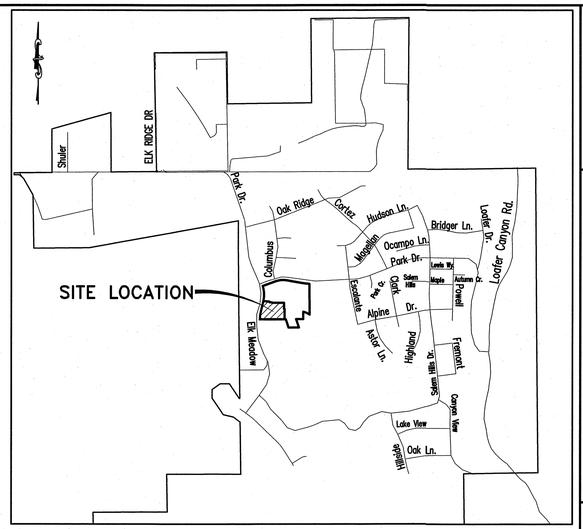
| CURVE TABLE | | | | | |
|---|---|---|---|---|---|
| CURVE | RADIUS | LENGTH | CHORD DIST. | CHORD BRG. | DELTA |
| C1 | 708.59 | 149.08 | 148.80 | S 07°11'25" W | 12°03'15" |
| C2 | 500.00 | 75.47 | 75.40 | S 82°00'10" E | 8°38'55" |
| C3 | 500.00 | 34.89 | 34.88 | S 88°19'34" E | 3°59'52" |
| C4 | 15.00 | 23.30 | 21.03 | S 57°49'10" W | 89°00'15" |
| C5 | 528.00 | 116.54 | 116.31 | S 84°00'06" E | 12°38'48" |
| C6 | 15.00 | 23.82 | 21.40 | S 32°10'50" E | 90°59'45" |
| C7 | 472.00 | 28.40 | 28.39 | S 79°24'07" E | 3°26'50" |
| C8 | 15.00 | 24.39 | 21.79 | N 52°17'31" E | 93°09'55" |
| C9 | 15.00 | 25.14 | 22.30 | S 42°18'28" E | 96°02'03" |
| C10 | 491.94 | 25.65 | 25.65 | N 11°49'27" E | 2°59'16" |




TYPICAL BUILDING/LOT DIMENSIONS

LEGEND

- SET STREET MONUMENT
- SET 5/8" IRON PIN
- CALCULATED POINT, NOT SET
- PROPERTY BOUNDARY
- CENTERLINE
- RIGHT-OF-WAY LINE
- LOT LINE
- SECTION LINE
- EASEMENT
- EXISTING DEED LINE
- 1 PROPOSED LOT NUMBERS




VICINITY MAP
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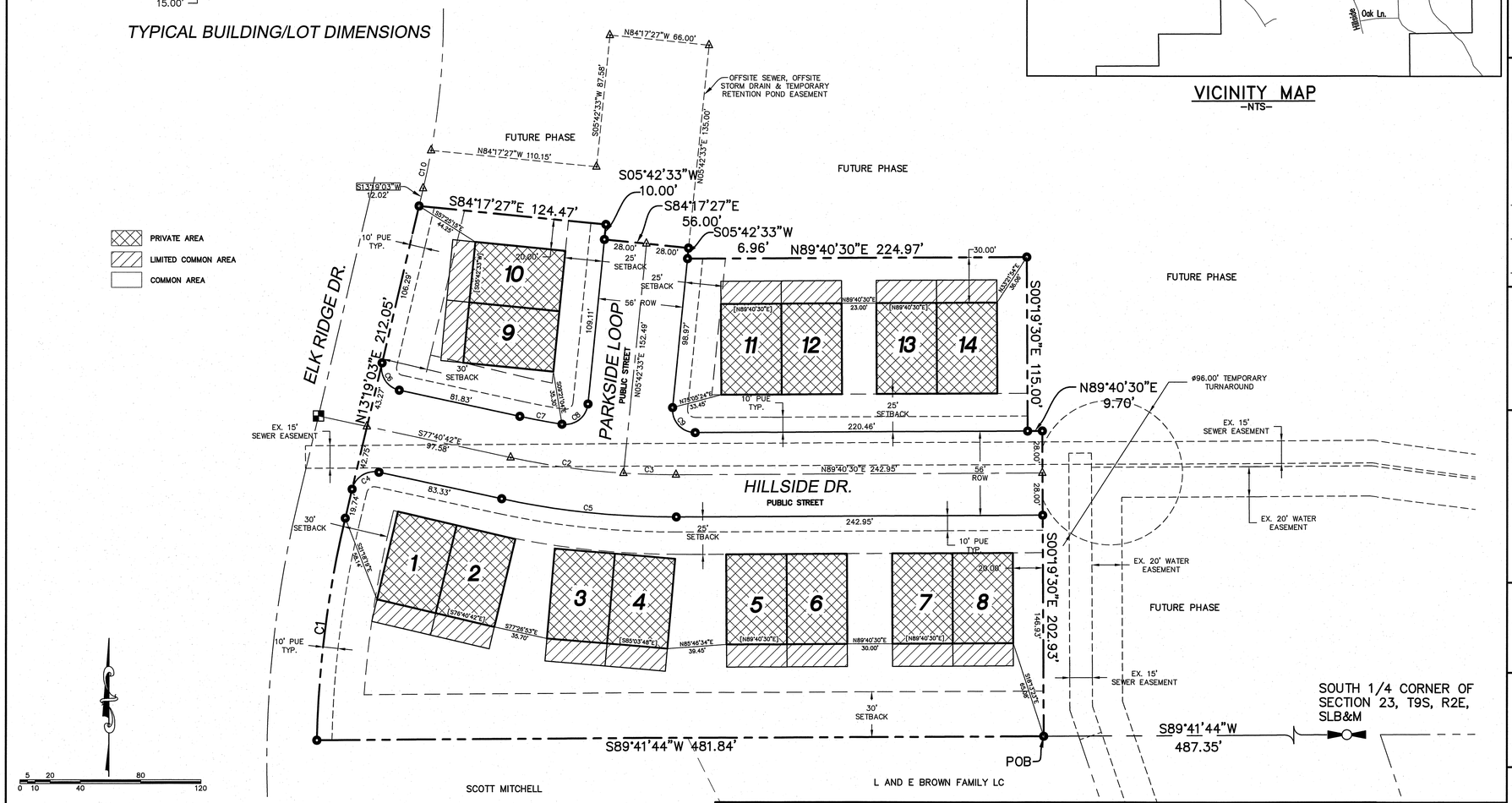


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(24"x36")
SCALE 1" = 40'
(11"x17")
SCALE 1" = 80'

## SURVEYORS CERTIFICATE

I, BARRY L. PRETTYMAN DO HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR, AND THAT I HOLD CERTIFICATE NO. 166406 AS PRESCRIBED UNDER THE LAWS OF THE STATE OF UTAH. I FURTHER CERTIFY BY AUTHORITY OF THE OWNERS, I HAVE MADE A SURVEY OF SAID TRACT OF LAND SHOWN ON THIS PLAT AND DESCRIBED BELOW, AND HAVE SUBDIVIDED SAID TRACT OF LAND INTO LOTS, STREETS, AND EASEMENTS AND THAT THE SAME HAS BEEN CORRECTLY SURVEYED AND STAKED ON THE GROUND AS SHOWN ON THIS PLAT AND THAT THIS IS TRUE AND CORRECT.

DATE

## BOUNDARY DESCRIPTION

Beginning at a point which lies South 89°41'44" West 487.35 feet along the Section Line From the South Quarter Corner of Section 23, Township 9 South, Range 2 East, Salt Lake Base and Meridian; and running thence South 89°41'44" West 481.84 feet along the Section Line to the East Line of Elk Ridge Drive; thence along the East Line of said Road the following two (2) courses to wit: (1) Northeasterly 149.076 feet along the arc of a 708.59 foot radius curve to the right through a central angle of 12°03'15", the chord bears North 7°11'25" East 148.80 feet, (2) North 13°19'03" East 212.05 feet; thence South 84°17'27" East 124.47 feet; thence South 05°42'33" West 10.00 feet; thence South 84°17'27" East 56.00 feet; thence South 05°42'33" West 6.96 feet; thence North 89°40'30" East 224.97 feet; thence South 00°19'30" East 115.00 feet; thence North 89°40'30" East 9.70 feet; thence South 00°19'30" East 202.93 feet to the point of beginning.
Containing 3.41 acres.

## OWNER'S DEDICATION

KNOW ALL MEN BY THESE PRESENTS THAT WE, ALL OF THE UNDERSIGNED OWNERS OF ALL THE PROPERTY DESCRIBED IN THE SURVEYOR'S CERTIFICATE HEREON AND SHOWN ON THIS MAP, HAVE CAUSED THE SAME TO BE SUBDIVIDED INTO LOTS, STREETS, AND EASEMENTS AND DO HEREBY DEDICATE THE STREETS AND OTHER PUBLIC AREAS AS INDICATED HEREON FOR PERPETUAL USE OF THE PUBLIC.

IN WITNESS HEREOF WE HAVE HEREUNTO SET OUR HANDS THIS_____ DAY OF _____. A.D. 2016.

## ACKNOWLEDGEMENT

STATE OF UTAH } S.S.
COUNTY OF UTAH }

ON THE _____ DAY OF _____, A.D. 2016 PERSONALLY APPEARED BEFORE ME THE SIGNERS OF THE FOREGOING DEDICATION WHO DULY ACKNOWLEDGE TO ME THAT THEY DID EXECUTE THE SAME.

MY COMMISION EXPIRES _____ NOTARY PUBLIC (SEAL)

## LEGISLATIVE BODY

THE CITY COUNCIL OF ELK RIDGE CITY, COUNTY OF UTAH, APPROVES THIS SUBDIVISION AND HEREBY ACCEPTS THE DEDICATION OF ALL STREETS, EASEMENTS, AND OTHER PARCELS OF LAND INTENDED FOR PUBLIC PURPOSES FOR THE PERPETUAL USE OF THE PUBLIC THIS_____DAY OF_____A.D. 2016.

CITY RECORDER

## PLANNING COMMISION APPROVAL

APPROVED THIS_____DAY OF_____A.D. 2016, BY THE _____ PLANNING COMMISSION.

DIRECTOR-SECRETARY CHAIRMAN, PLANNING COMMISSION

## SOUTH UTAH VALLEY ELECTRIC SERVICE DISTRICT

APPROVED THIS_____DAY OF_____A.D. 2016, BY THE _____ STRAWBERRY ELECTRIC SERVICE DISTRICT.

## UTAH COUNTY RECORDER

APPROVED THIS_____DAY OF_____A.D. 2016.

COUNTY RECORDER

# PARKSIDE COVE PLAT "A"

A RESIDENTIAL DEVELOPMENT
ELK RIDGE, UTAH COUNTY, UTAH
CONTAINING 14 UNITS AND 3.41 ACRES

| SURVEYOR'S SEAL | NOTARY PUBLIC SEAL | CITY ENGINEER SEAL | CLERK-RECORDER SEAL |
|---|---|---|---|
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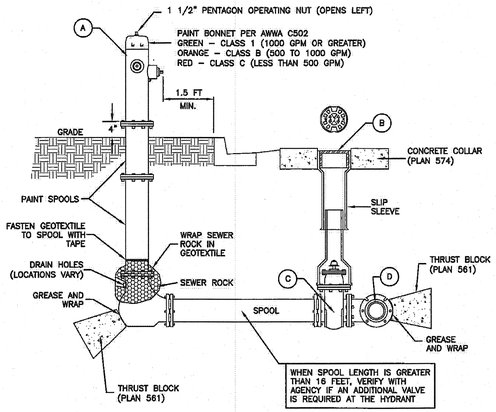


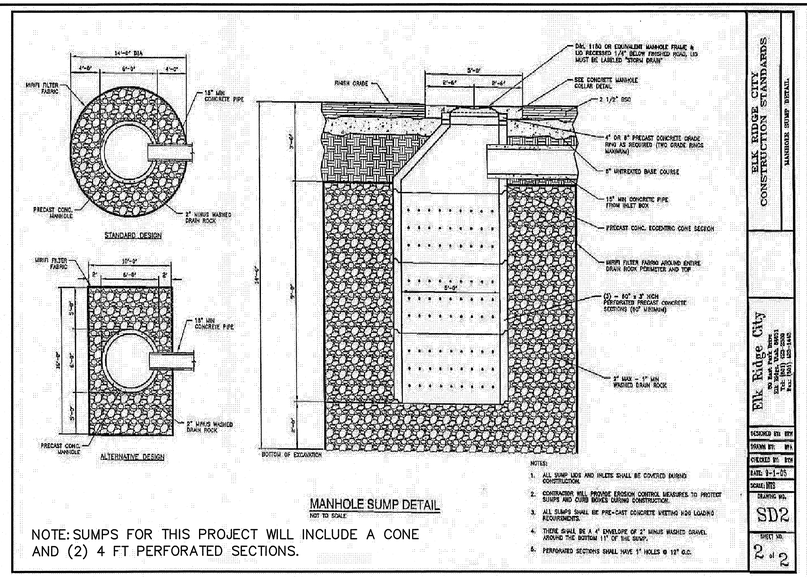

| LEGEND | | | |
|---|---|---|---|
| No. | * | ITEM | DESCRIPTION |
| (A) | | FIRE HYDRANT | AWWA C502 |
| (B) | | VALVE BOX WITH LID | 2-PIECE CAST IRON |
| (C) | | GATE VALVE WITH 2" X 2" NUT | AWWA C509 |
| (D) | | TEE WITH 125 # FLANGE | AWWA C110 |

* FURNISHED BY UTILITY AGENCY

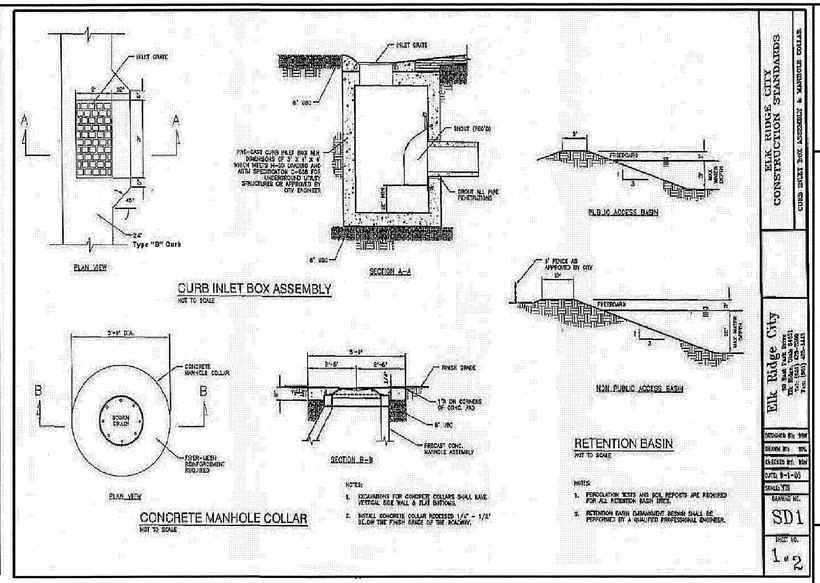
SECTION

*Fire hydrant with valve*

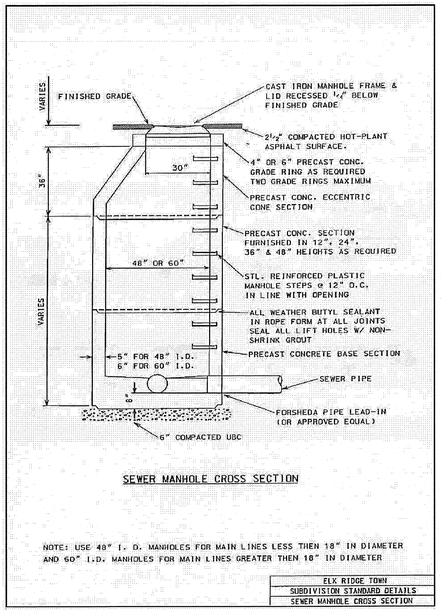
February 2011 | 237 | Plan 511




NOTE: SUMPS FOR THIS PROJECT WILL INCLUDE A CONE AND (2) 4 FT PERFORATED SECTIONS.



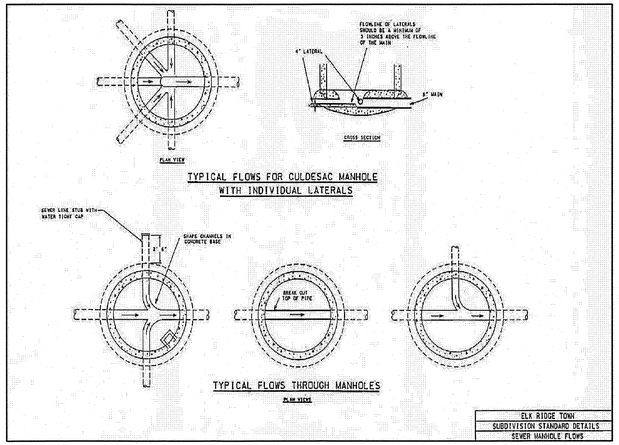

Fire Hydrants: The detail provided in the plan set is not up to date. Please use the attached APWA (2012) detail. The AWWA C502 fire hydrant shall be provided with one (1) 4-1/2" pumper nozzle and two (2) 2-1/2" hose nozzles. Connection shall be via FLxMJ valve to a FL lateral off the main as shown on the detail.
Water Services: All service laterals shall be 1" CTS HDPE SDR 9 with NSF 61 Certification. All meter barrels shall be "white" HDPE. Tapping saddles shall be epoxy coated and double strapped with stainless steel hardware.
Water Valves: All valves shall be FLxMJ connected directly to FL tees and crosses.

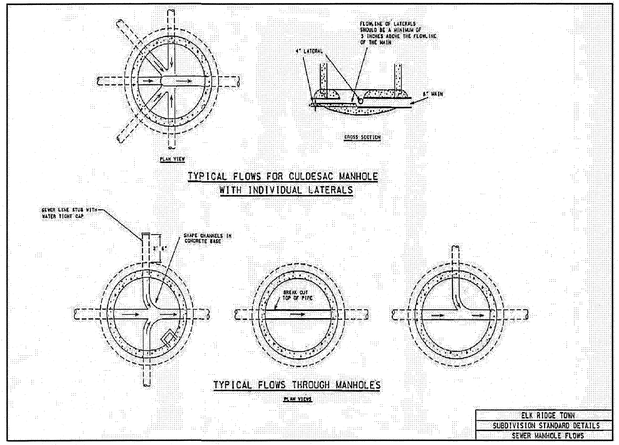



SEWER MANHOLE CROSS SECTION

NOTE: USE 48" I. D. MANHOLES FOR MAIN LINES LESS THEN 18" IN DIAMETER AND 60" I.D. MANHOLES FOR MAIN LINES GREATER THEN 18" IN DIAMETER

ELK RIDGE TOWN
SUBDIVISION STANDARD DETAILS
SEWER MANHOLE CROSS SECTION






REGISTERED PROFESSIONAL ENGINEER
SCOTT D. PETERSON
No. 362274
4/11/16
STATE OF UTAH

PARKSIDE COVE PHASE 1

ATLAS ENGINEERING L.L.C.
PHONE:801-655-0566
FAX:801-655-0109
95 WEST 200 NORTH #2
SPANISH FORK, UT 84660

SHEET NO. 7

DETAIL SHEET

ELK RIDGE, UTAH
COUNTY, UTAH

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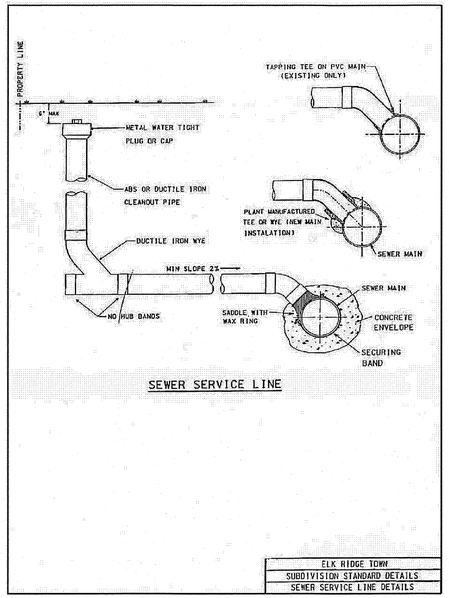
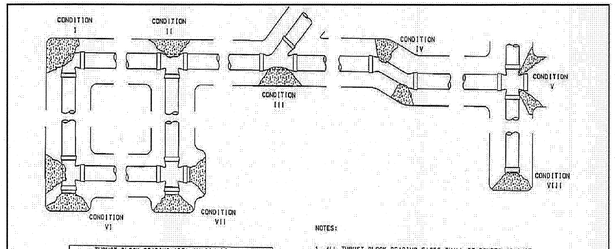



SEWER SERVICE LINE

ELK RIDGE TOWN
SUBDIVISION STANDARD DETAILS
SEWER SERVICE LINE DETAILS

~K~



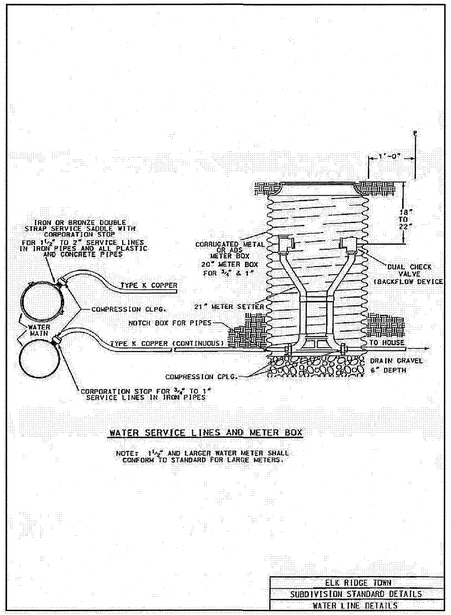

| THRUST BLOCK BEARING AREA IN SQUARE FEET | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| PIPE SIZE | CONDITION | | | | | | | |
| | I | II | III | IV | V | VI | VII | VIII |
| 6 | 11.0 | 7.8 | 5.9 | 3.3 | 3.9 | 5.9 | 11.0 | 7.8 |
| 8 | 17.5 | 12.4 | 9.6 | 5.2 | 6.8 | 9.1 | 17.5 | 12.4 |
| 10 | 24.8 | 17.5 | 13.6 | 7.8 | 9.1 | 12.3 | 24.8 | 17.5 |
| 12 | 33.0 | 24.0 | 18.2 | 9.7 | 12.3 | 16.9 | 33.8 | 24.0 |
| 14 | 44.0 | 31.1 | 23.8 | 12.7 | 15.6 | 23.2 | 44.0 | 31.1 |

NOTES:

1. ALL THRUST BLOCK BEARING FACES SHALL BE POURED AGAINST UNDISTURBED SOIL OR APPROVED COMPACTED BACKFILL.
2. CONCRETE SHALL BE CLASS 564-C-3000
3. THRUST BLOCKS SHALL NOT INTERFERE WITH ACCESS TO THE JOINT.
4. ALL BOLTS ON MECHANICAL JOINT FITTINGS SHALL BE FREE FROM CONCRETE AND FULLY ACCESSIBLE.

THRUST BLOCK DETAILS

ELK RIDGE TOWN
SUBDIVISION STANDARD DETAILS
THRUST BLOCK DETAILS




WATER SERVICE LINES AND METER BOX

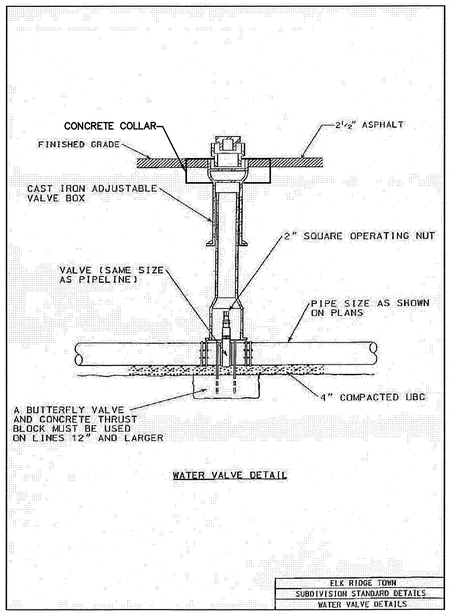
NOTE: 1½" AND LARGER WATER METER SHALL CONFORM TO STANDARD FOR LARGE METERS.

ELK RIDGE TOWN
SUBDIVISION STANDARD DETAILS
WATER LINE DETAILS

~J~

*1" POLY PIPE PER ELK RIDGE CITY, NOT TYPE K COPPER.

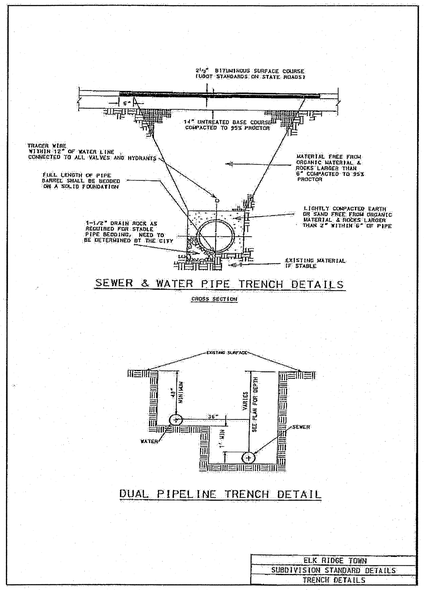
~D~




WATER VALVE DETAIL

ELK RIDGE TOWN
SUBDIVISION STANDARD DETAILS
WATER VALVE DETAILS

~I~




SEWER & WATER PIPE TRENCH DETAILS

CROSS SECTION




DUAL PIPELINE TRENCH DETAIL

ELK RIDGE TOWN
SUBDIVISION STANDARD DETAILS
TRENCH DETAILS

~Q~

Fire Hydrants: The detail provided in the plan set is not up to date. Please use the attached APWA (2012) detail. The AWWA C502 fire hydrant shall be provided with one (1) 4–1/2" pumper nozzle and two (2) 2–1/2" hose nozzles. Connection shall be via FLxMJ valve to a FL lateral off the main as shown on the detail.

Water Services: All service laterals shall be 1" CTS HDPE SDR 9 with NSF 61 Certification. All meter barrels shall be "white" HDPE. Tapping saddles shall be epoxy coated and double strapped with stainless steel hardware.

Water Valves: All valves shall be FLxMJ connected directly to FL tees and crosses.

REGISTERED PROFESSIONAL ENGINEER
SCOTT D. PETERSON
No. 362274
STATE OF UTAH

SHEET NO. 8

DETAIL SHEET

ELK RIDGE, UTAH
COUNTY, UTAH

PARKSIDE COVE PHASE 1

ATLAS ENGINEERING L.L.C.

PHONE: 801-655-0566
FAX: 801-655-0109
95 WEST 200 NORTH #2
SPANISH FORK, UT 84660

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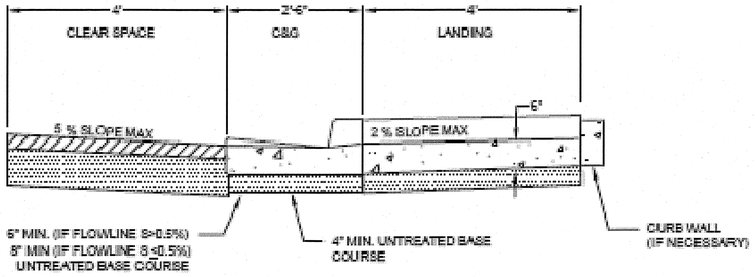
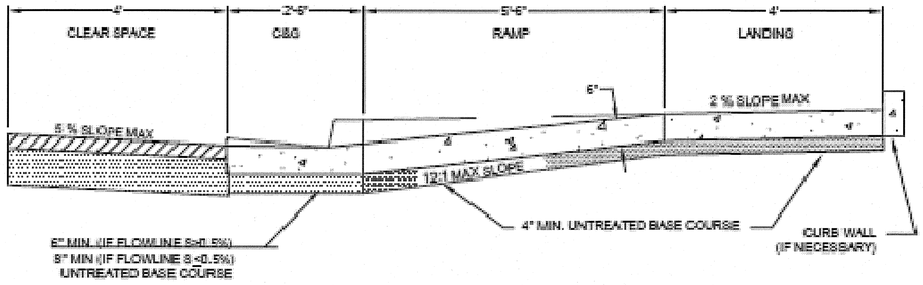
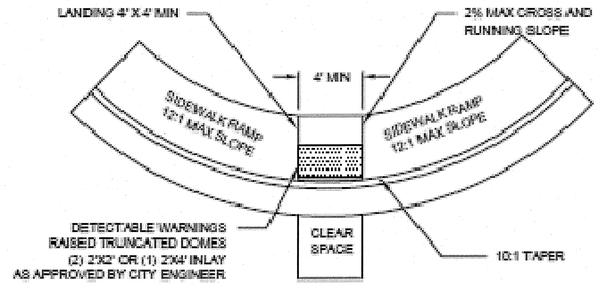
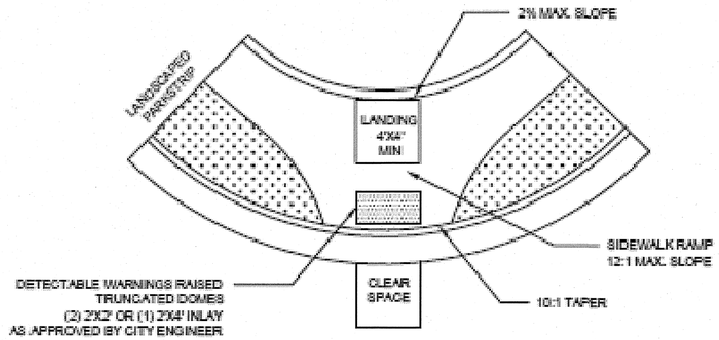



ADA ACCESS RAMP WITHOUT A PARK STRIP




ADA ACCESS RAMP WITH A PARK STRIP

## GENERAL NOTES

1. ALL CURB, GUTTER, SIDEWALK AND DRIVE APPROACHES SHALL BE DESIGNED AND STAKED BY A LICENSED ENGINEER OR LAND SURVEYOR AND SHALL SUBMIT A PLAN AND PROFILE DRAWING TO THE CITY ENGINEER FOR APPROVAL.
2. THE CITY ENGINEER WILL REQUIRE A LAYOUT INSPECTION.
3. 24 HR. NOTICE WILL BE REQUIRED FOR ALL CONCRETE INSPECTIONS. THE INSPECTOR MAY THE FOLLOWING:
   A) DENSITY TESTS
   B) GRADE VERIFICATION
   C) SLUMP TESTS
   D) AIR ENTRAINMENT TESTS
   E) EXPANSION JOINT PLACEMENT
   F) COMPRESSION CYLINDER TESTS
4. CONCRETE
   A) CONCRETE SHALL BE CLASS 4000 AS PER APWA SECTION 03 30 04
   B) CONCRETE SHALL BE 6.5 BAG MIX
   C) SLUMP SHALL BE LESS THAN 4"
   D) AIR ENTRAINMENT SHALL BE 6% +/- 1%
5. CURB AND GUTTER SHALL BE APWA STANDARD PLAN NO. 205 TYPE A.
6. SIDEWALK SHALL ADHERE TO APWA STANDARD PLAN 231. SIDEWALK SHALL BE 5" THICK FOR ALL SIDEWALK IN RESIDENTIAL AREAS AND 6" IN COMMERCIAL. DRIVE APPROACHES SHALL BE 6" THICK FOR RESIDENTIAL AND 8" FOR COMMERCIAL, OR SPECIFIED BY PROJECT ENGINEER.
7. FLARED DRIVE APPROACH SHALL BE APWA STANDARD PLAN NO. 221.
8. WATERWAY SHALL BE APWA STANDARD PLAN NO.211.
9. REINFORCEMENT STEEL SHALL MEET REQUIREMENTS OF APWA SECTION 03 20 00.
10. SIDEWALK RAMP DETECTABLE WARNINGS SHALL BE RED RAISED TRUNCATED DOMES.
11. SIDEWALK RAMP DETECTABLE WARNINGS SHALL BE 2'X4' INLAYS AND SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO INSTALLATION
12. CONCRETE PLACED IN COLD WEATHER CONDITIONS WILL BE PLACED IN ACCORDANCE WITH ACI 306R REQUIREMENTS.

## MAXIMUM SLOPES

| | RUNNING SLOPE | CROSS SLOPE |
|---|---|---|
| LANDING | 1:48 (2%) | 1:48 (2%) |
| RAMP | 1:12 (8.33%) | 1:48 (2%) |
| CLEAR SPACE | 1:20 (5%) | 1:48 (2%) |

SHEET NO. 9

DETAIL SHEET

ELK RIDGE, UTAH
COUNTY, UTAH

PARKSIDE COVE PHASE 1

ATLAS ENGINEERING L.L.C.
PHONE: 801-655-0566
FAX: 801-655-0109
95 WEST 200 NORTH #2
SPANISH FORK, UT 84660

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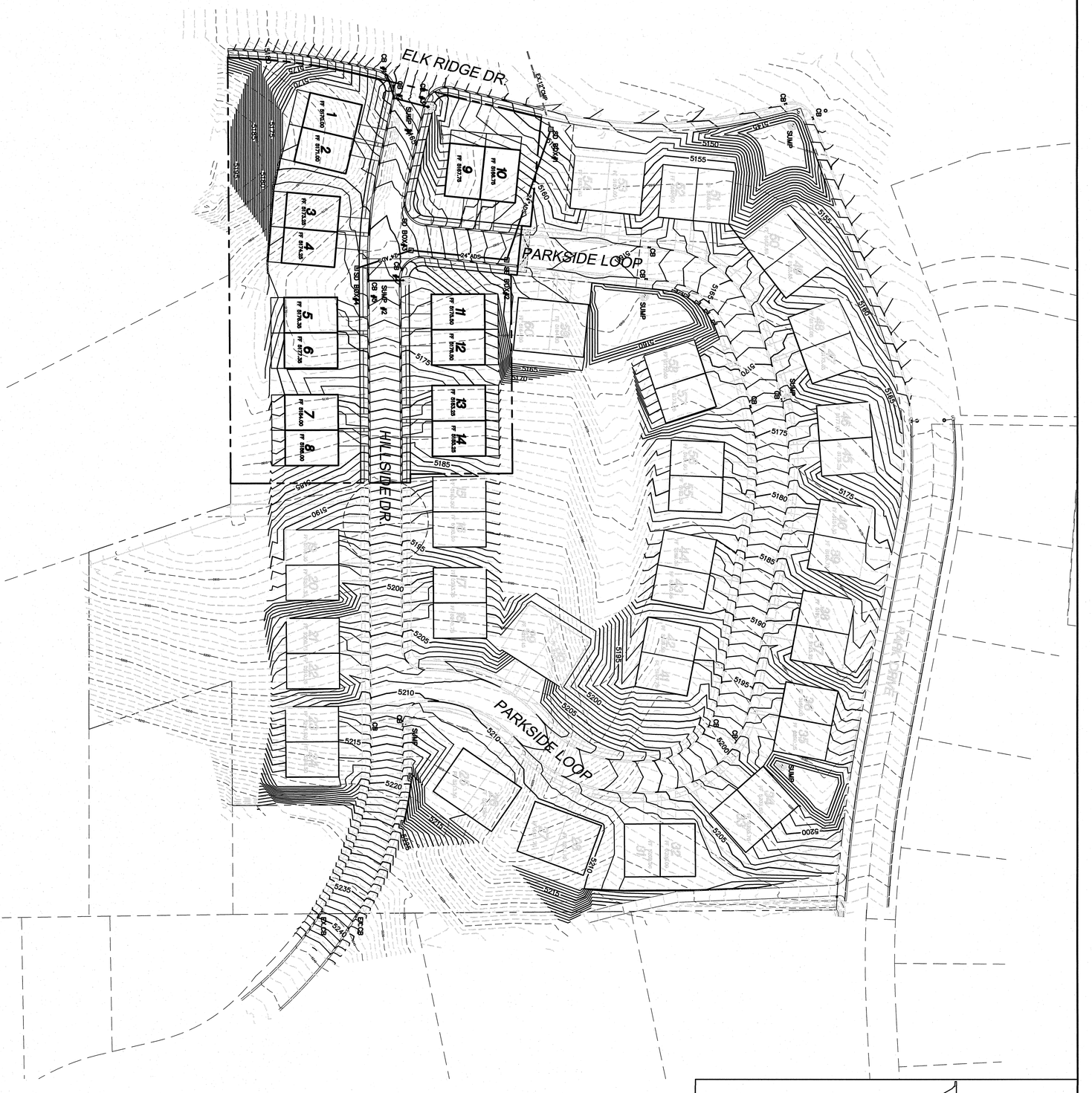


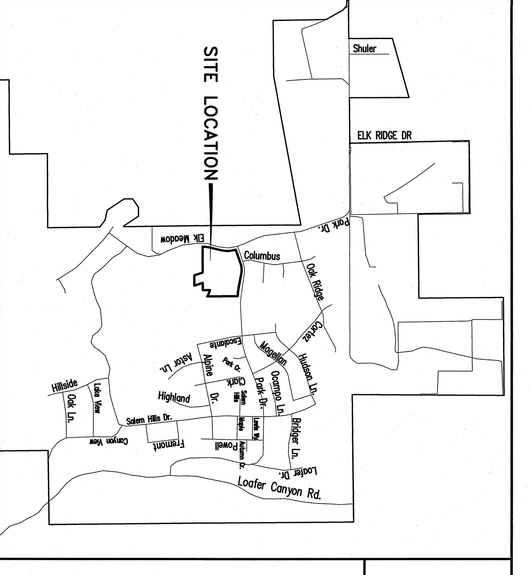


VICINITY MAP
-NTS-

**OWNER/DEVELOPER**
CASTLE CREEK HOMES SOUTH, LLC
SAM DROWN
801-330-7254
9071 S. 1300 W.
WEST JORDAN, UT 84088

REGISTERED PROFESSIONAL ENGINEER
STATE OF UTAH
SCOTT D. PETERSON
No. 392274

SCALE 1" = 60' (24"x36")
SCALE 1" = 120' (11"x17")

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# PARKSIDE COVE PHASE 1

ATLAS ENGINEERING L.L.C.
PHONE: 801-655-0566
FAX: 801-655-0109
95 WEST 200 NORTH #2
SPANISH FORK, UT 84660

OVERALL GRADING SHEET
APRIL 2016

ELK RIDGE, UTAH
COUNTY, UTAH

SHEET NO.
10

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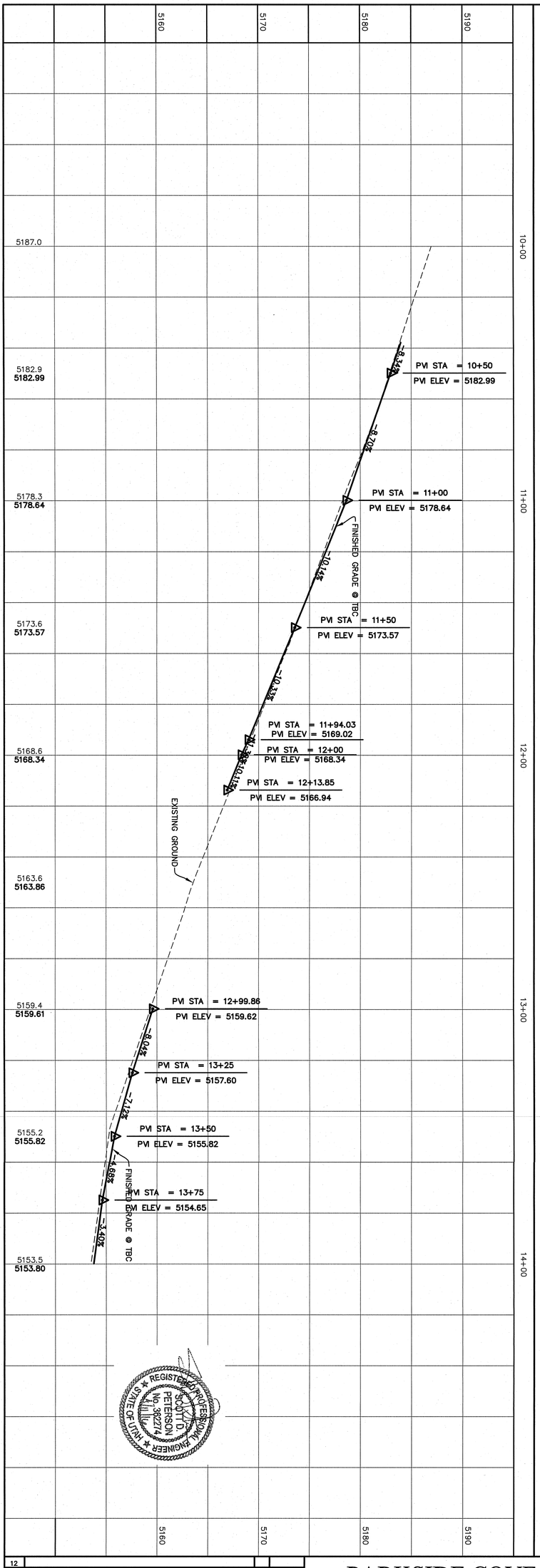


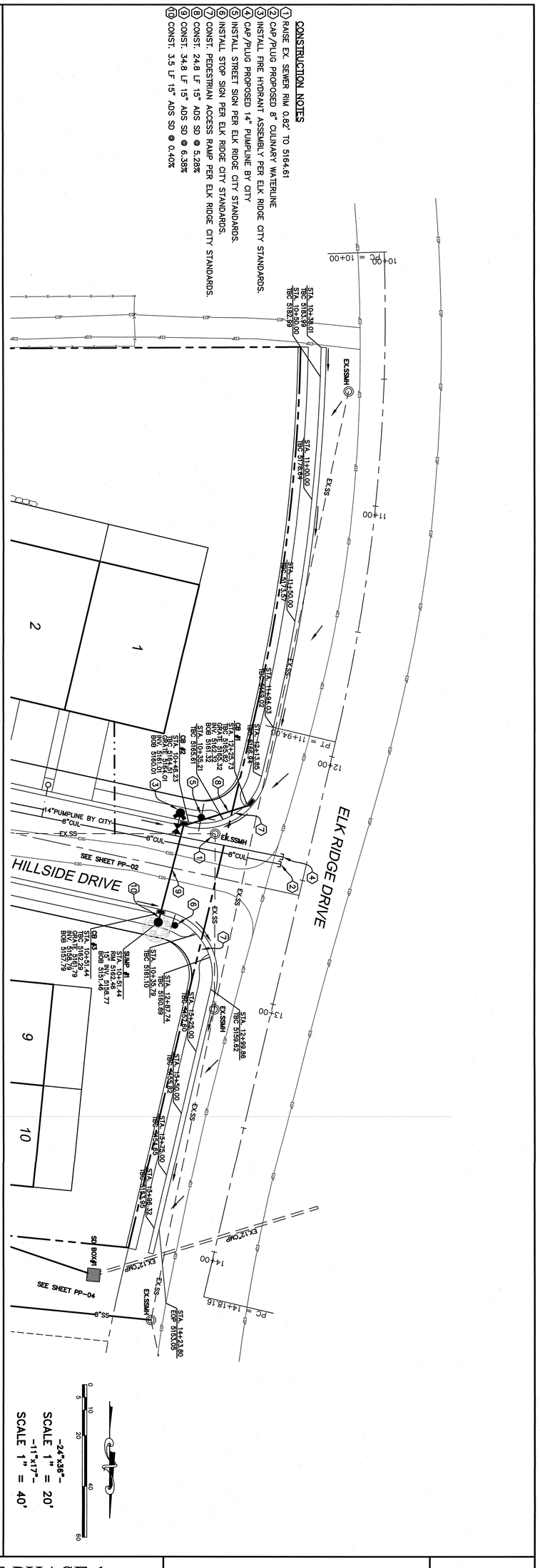





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# PARKSIDE COVE PHASE 1

ATLAS ENGINEERING L.L.C.
PHONE: 801-655-0566
FAX: 801-655-0109
95 WEST 200 NORTH #2
SPANISH FORK, UT 84660

ELK RIDGE DRIVE
STA. 10+00 TO STA. 14+20

STREET PLAN & PROFILE

SHEET NO.
PP-01

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-24"x36"-
SCALE 1" = 20'
-11"x17"-
SCALE 1" = 40'

0 10 40
5 20 60

ELK RIDGE DRIVE
SEE SHEET PP-01

PARKSIDE LOOP
SEE SHEET PP-03

HILLSIDE DRIVE

STA. 12+99.86 TBC 5159.62
STA. 12+87.74 TBC 5160.89
STA. 10+35.79 TBC 5161.10
SUMP #1 STA. 10+51.44 RIM 5162.46 15" INV. 5158.77 BOB 5151.46
CB #3 STA. 10+51.44 TBC 5162.29 GRATE 5161.79 INV. 5159.29 BOB 5157.79
STA. 10+35.21 TBC 5165.61
CB #1 STA. 12+25.73 TBC 5165.32 GRATE 5165.32 INV. 5162.32 BOB 5161.32
STA. 12+13.85 TBC 5166.94
CB #2 STA. 10+48.23 TBC 5164.51 GRATE 5164.01 INV. 5161.51 BOB 5160.01
STA. 11+30.56 TBC 5167.66
STA. 11+00.00 TBC 5165.63
STA. 10+43.38 TBC 5168.51
STA. 10+31.00 TBC 5168.93
STA. 11+73.60 TBC 5169.18 HIGH POINT STA. 11+80.64 TBC 5169.58
STA. 11+00.00 TBC 5167.11
STA. 11+30.56 TBC 5168.63
STA. 11+50.00 TBC 5169.28
STA. 12+00.00 TBC 5170.40
STA. 10+46.56 TBC 5168.99
STA. 10+33.84 TBC 5169.93
STA. 12+41.00 TBC 5170.19
SUMP #2 STA. 12+55.30 RIM 5171.26 15" INV. 5167.61 BOB 5160.26
CB #4 STA. 12+55.30 TBC 5171.13 GRATE 5170.63 INV. 5167.63 BOB 5166.63
SD BOX #3
SD BOX #4
CB #5 STA. 12+58.72 TBC 5171.47 GRATE 5170.97 INV. 5167.97 BOB 5166.97
STA. 12+42.04 TBC 5171.23
STA. 13+00.00 TBC 5173.04
STA. 13+50.00 TBC 5175.91
STA. 14+00.00 TBC 5180.00
STA. 14+50.00 TBC 5184.97
STA. 14+83.88 TBC 5188.35
ø98.00' TEMPORARY TURNAROUND
EX.SSMH
EX.SS
EX.24"ADS
EX.8"CUL
EX.14"PUMPLINE
EX.8"CUL
8"CUL
14"PUMPLINE BY CITY
24"ADS
CULINARY LATERAL TYP.
SEWER LATERAL TYP.

1 2 3 4 5 6 7 8 9 11 12 13 14

**CONSTRUCTION NOTES**

1. RAISE EX. SEWER RIM 0.82' TO 5164.61
2. CAP/PLUG PROPOSED 8" CULINARY WATERLINE
3. INSTALL FIRE HYDRANT ASSEMBLY PER ELK RIDGE CITY STANDARDS.
4. CAP/PLUG PROPOSED 14" PUMPLINE BY CITY
5. INSTALL STREET SIGN PER ELK RIDGE CITY STANDARDS.
6. INSTALL STOP SIGN PER ELK RIDGE CITY STANDARDS.
7. CONST. PEDESTRIAN ACCESS RAMP PER ELK RIDGE CITY STANDARDS.
8. CONST. 24.8 LF 15" ADS SD @ 5.28%
9. CONST. 34.8 LF 15" ADS SD @ 6.38%
10. CONST. 3.5 LF 15" ADS SD @ 0.40%
11. INSTALL TABLE CROSSWALK PER ELK RIDGE CITY STANDARDS.
12. CONST. 34.8 LF 15" ADS SD @ 0.98%
13. CONST. 3.5 LF 15" ADS SD @ 0.40%
14. INSTALL 8" CULINARY WATER VALVE PER ELK RIDGE CITY STANDARDS.
15. INSTALL 14" CULINARY WATER VALVE PER ELK RIDGE CITY STANDARDS.
16. INSTALL 11.25° BEND.
17. LOCATE & TIE TO EXISTING 8" CULINARY WATERLINE PER ELK RIDGE CITY STANDARDS.
18. INSTALL (3) OM4-2 END OF ROAD SIGNS.
19. LOCATE & TIE TO EXISTING PUMPLINE STUB PER ELK RIDGE CITY STANDARDS.

10+00 11+00 12+00 13+00 14+00 15+00

100.00' VC
PVI STA = 11+25
PVI ELEV = 5168.88
A.D. = -4.02
K = 24.86

165.00' VC
PVI STA = 13+30
PVI ELEV = 5172.93
A.D. = 8.02
K = 20.56

BVCS: 10+75
BVCE: 5165.88
EVCS: 11+75
EVCE: 5169.87
BVCS: 12+47.50
BVCE: 5171.30
EVCS: 14+12.50
EVCE: 5181.18
FINISHED GRADE
EXISTING GROUND
-2.00%
6.00%
1.98%
10.00%
3:1 MAX SLOPE
RAISE RIM
24"ADS
EX.SS

EX. SSMH 10+37.12-16.68 RT. RIM 5164.29 PR. RIM 5164.61 INV. 5155.83

SUMP #1 10+50.56-22.1LT. RIM 5162.46 15" INV. 5158.77 BOB 5151.46

SUMP #2 12+55.30-22.2LT. RIM 5171.26 15" INV. 5167.61 BOB 5160.26

EX. SSMH 13+03.14-14.7 LT. EX. RIM 5167.71 PR. RIM 5172.89 INV. 5157.36

EX. SSMH 15+10.09-13.49 LT. RIM 5187.82 INV. 5175.08

5180 5170 5160 5150

5163.1 5164.6 5164.38 5165.9 5167.25 5165.6 5169.25 5165.5 5170.36 5164.4 5171.35 5167.2 5173.01 5172.1 5175.88 5176.9 5179.97 5182.0 5184.93 5186.7

SCOTT D. PETERSON No. 362274 REGISTERED PROFESSIONAL ENGINEER STATE OF UTAH

SHEET NO. PP-02

HILLSIDE DRIVE
STA. 10+00 TO STA. 15+20

STREET PLAN & PROFILE

PARKSIDE COVE PHASE 1

ATLAS ENGINEERING L.L.C.
PHONE: 801-655-0566
FAX: 801-655-0109
95 WEST 200 NORTH #2
SPANISH FORK, UT 84660

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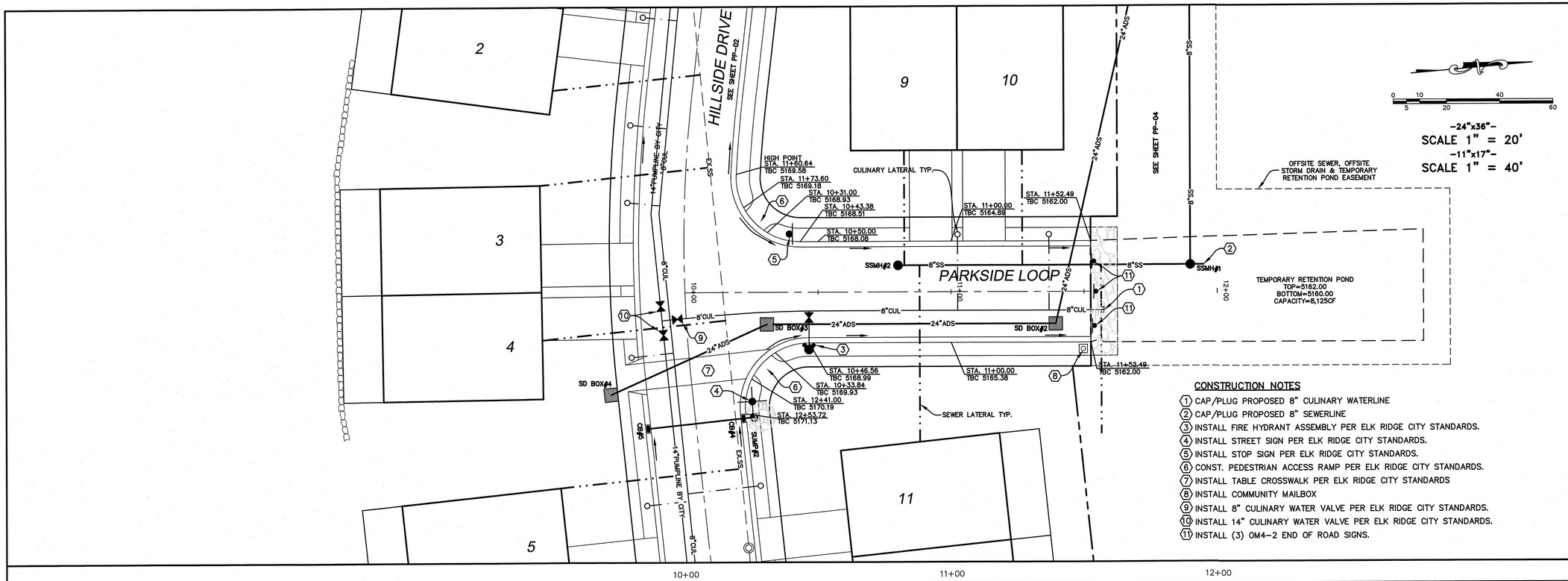
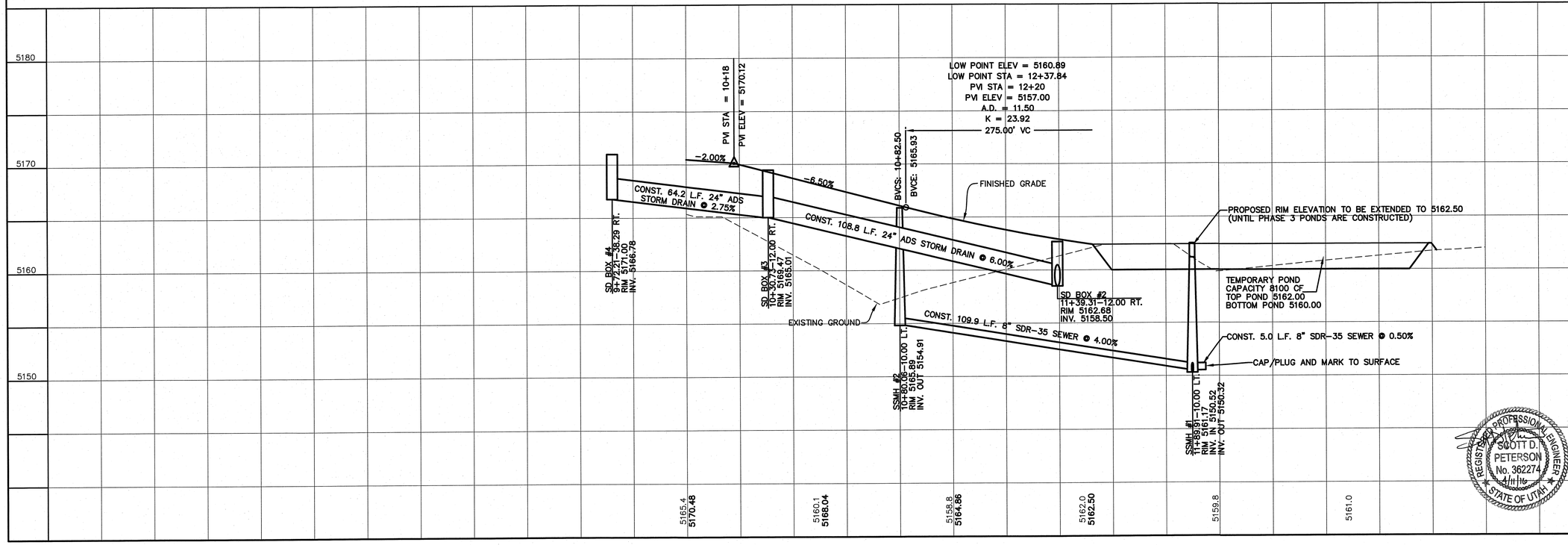



## CONSTRUCTION NOTES

1. CAP/PLUG PROPOSED 8" CULINARY WATERLINE
2. CAP/PLUG PROPOSED 8" SEWERLINE
3. INSTALL FIRE HYDRANT ASSEMBLY PER ELK RIDGE CITY STANDARDS.
4. INSTALL STREET SIGN PER ELK RIDGE CITY STANDARDS.
5. INSTALL STOP SIGN PER ELK RIDGE CITY STANDARDS.
6. CONST. PEDESTRIAN ACCESS RAMP PER ELK RIDGE CITY STANDARDS.
7. INSTALL TABLE CROSSWALK PER ELK RIDGE CITY STANDARDS
8. INSTALL COMMUNITY MAILBOX
9. INSTALL 8" CULINARY WATER VALVE PER ELK RIDGE CITY STANDARDS.
10. INSTALL 14" CULINARY WATER VALVE PER ELK RIDGE CITY STANDARDS.
11. INSTALL (3) OM4-2 END OF ROAD SIGNS.




SHEET NO. PP-03

PARKSIDE LOOP
STA. 10+00 TO STA. 13+00

STREET PLAN & PROFILE

PARKSIDE COVE PHASE 1

ATLAS ENGINEERING L.L.C.
PHONE: 801-655-0566
FAX: 801-655-0109
95 WEST 200 NORTH #2
SPANISH FORK, UT 84660

| NO. | REVISIONS | BY | DATE |
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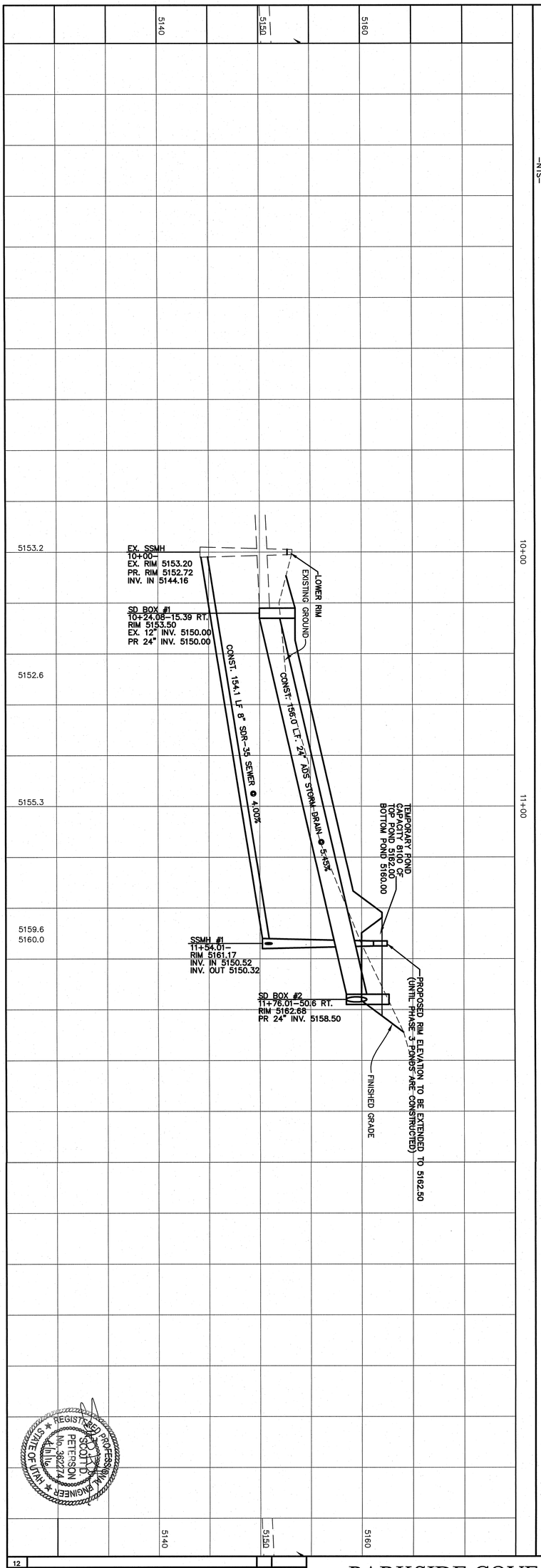
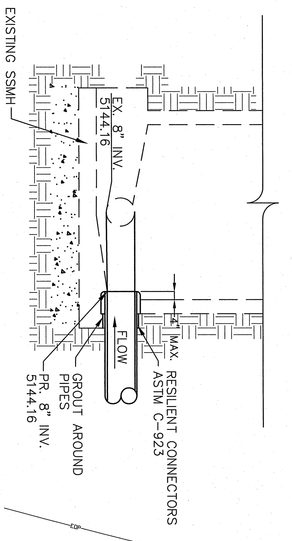
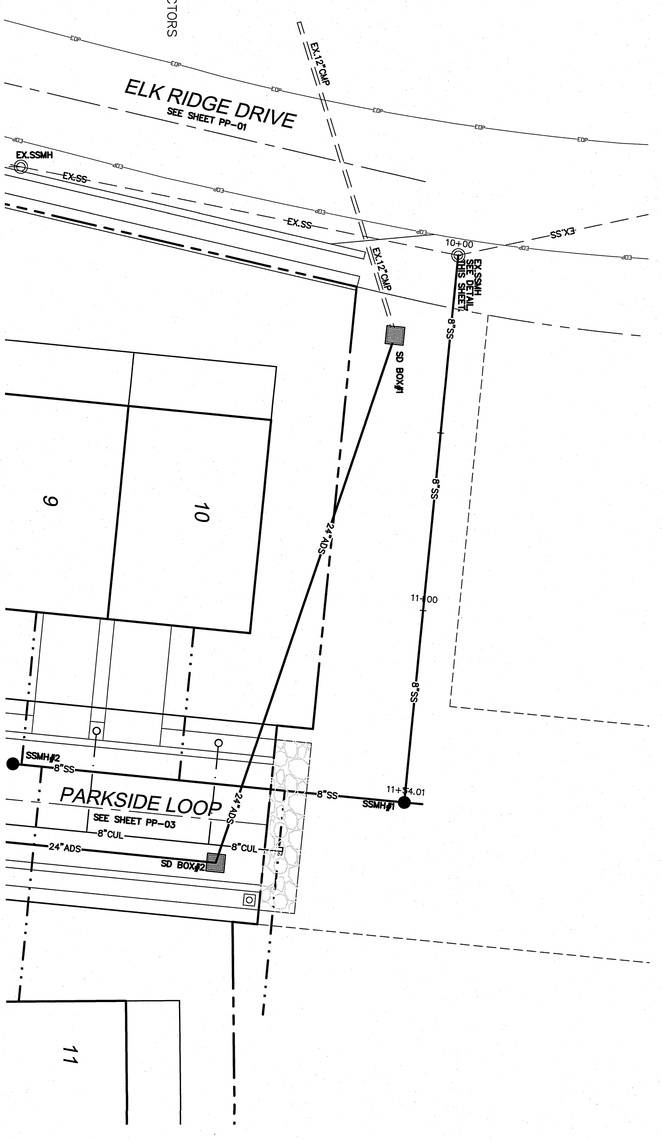
REGISTERED PROFESSIONAL ENGINEER
SCOTT D. PETERSON
No. 362274
STATE OF UTAH




TIE TO EX. SSMH DETAIL
-NTS-




SCALE 1" = 20'
-24"x36"-
-11"x17"-
SCALE 1" = 40'

0 5 10 20 40 60

PROFESSIONAL ENGINEER
REGISTERED
SCOTT D.
PETERSON
No. 362724
STATE OF UTAH

| NO. | REVISIONS | BY | DATE |
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# PARKSIDE COVE PHASE 1

ATLAS ENGINEERING L.L.C.
PHONE: 801-655-0566
FAX: 801-655-0109
95 WEST 200 NORTH #2
SPANISH FORK, UT 84660

SEWER/STORM DRAIN
STA. 10+00 TO STA. 12+00

STREET PLAN & PROFILE

SHEET NO.
PP-04