30" CURB & GUTTER – TYPE A
0.57 yd.³ /10 LINEAR FT.
N.T.S.

30" IRRIGATION CURB & GUTTER – TYPE B
0.57 yd.³ /10 LINEAR FT.
N.T.S.

36" CURB & GUTTER – TYPE C
0.81 yd.³ /10 LINEAR FT.
N.T.S.

COVERED DRIVE or SIDEWALK ACCESS RAMP*

USING ½" LARGE PATTERN INLAND 4-WAY PLATE (GALVANIZED PAINTED or HOT DIPPED) LENGTHS TO BE SAME AS DRIVEWAY or SIDEWALK WIDTHS

* USE ONLY WHEN APPROVED BY THE CITY ENGINEER.

NOTES:
ALL CURB AND GUTTER TYPES SHALL HAVE:

1. CONTRACTION JOINTS EVERY 10'-0" O.C. ½" DEEP.
2. EXPANSION JOINTS AT THE P.C. AND P.T. OF A STREET INTERSECTION CURB RADIUS RETURN.
24" ROLL CURB & GUTTER – DETAIL A
N.T.S.

24" ROLL CURB & GUTTER – DETAIL B
N.T.S.

NOTES:
ALL CURB AND GUTTER TYPES SHALL HAVE:

1. CONTRACTION JOINTS EVERY 10’0” O.C. ½” DEEP.
2. EXPANSION JOINTS AT THE P.C. AND P.T. OF A STREET INTERSECTION CURB RADIUS RETURN.
NOTES:

1. TRANSITION LIP OF CURB THROUGH APRON TO ACHIEVE 1" CROSS GUTTER DEPTH.
2. CROSS GUTTER FLOW LINE GRADE TO BE CONSTANT FROM CURB AND GUTTER ELEVATIONS AT EACH END.
3. ONLY 90° CORNERS WILL BE ALLOWED WHERE ASPHALT CONNECTS TO CROSS GUTTER. CONCRETE APRONS MAY BE REQUIRED.

6'0" CROSS GUTTER

CONSTRUCTION NOTES:

1. CONTRACTION JOINT SPACED AT 10'0" MAX. O.C. THRU CROSS GUTTER

1/2" EXPANSION JOINT.

2. #4 BARS @ 12" O.C. BOTH WAYS STANDARD.

3. CLASS A CONCRETE.

4. AGGREGATE BASE.

5. COMPACTED SUBGRADE.

6. REBAR MATS TO BE SUPPORTED ON DOBLE BLOCKS OR REBAR CHAIRS. SPACE EVERY 4'0" O.C. BOTH WAYS.
NOTES:
1. #4 bars @ 16” O.C. BOTH WAYS REQUIRED ON COMMERCIAL & INDUSTRIAL DRIVEWAYS.
2. DRIVEWAY CUTS IN EXISTING CURBS SHALL BE SAW CUT TO DIMENSIONS SHOWN, BREAKING-OFF OF CURB BACKS WILL NOT BE PERMITTED.
3. 40" EXPANSION JOINT SPACING IN SIDEWALKS TO CONTINUE THROUGH DRIVEWAYS.
4. ALL CONCRETE TO BE CLASS B (4000 PSI).
NOTES:

1. #4 BARS @ 16" O.C. BOTH WAYS REQUIRED ON COMMERCIAL & INDUSTRIAL DRIVEWAYS.
2. DRIVEWAY CUTS IN EXISTING CURBS SHALL BE SAW CUT TO DIMENSIONS SHOWN,
   BREAKING-OFF OF CURB BACKS WILL NOT BE PERMITTED.
3. 40" EXPANSION JOINT SPACING IN SIDEWALKS TO CONTINUE THROUGH DRIVEWAYS.
4. ALL CONCRETE TO BE CLASS B (4000 PSI).
NOTES:
1. DETECTABLE WARNING CAST-IN-PLACE SYSTEM WITH TRUNCATED DOMES BY AMOR-TILE O.A.E. 24"x48" SIZE, BRICK RED COLOR O.A.E.
2. WHEELCHAIR RAMPS SHALL BE LOCATED AT THE MIDPOINT OF CURB RADIUS UNLESS OTHERWISE INDICATED ON PLAN.
3. RAMPS SHALL BE CONSTRUCTED WITH A ROUGH BROOM FINISH TRANSVERSE TO THE SLOPE.
4. ALL CONCRETE TO BE CLASS A.

PLAN VIEW
N.T.S.

SECTION A-A
N.T.S.

RAISED TRUNCATED DOMES

DETAIL A
N.T.S.

ACCESSIBLE RAMP

ENOC CITY
900 E MIDVALEY RD
Enoch, UT 84721
Tel. (435) 586-1119

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DETAIL No.: C5.0
SCALE: N.T.S.
DATE: DEC. 2022
SHEET: 1 of 1
NOTES:
1. ON ALL CURB RETURNS EXPANSION JOINTS SHALL BE PLACED AT P.C. AND P.T. OF THE SIDEWALK.
2. ANY REPLACED SECTIONS OF SIDEWALK SHALL HAVE AN EXPANSION JOINT INSTALLED TO MAINTAIN THE 40'0" MAX. SPACING.
PLAN VIEW
N.T.S.

SECTION A–A
N.T.S.

C8.0

NOTES:

1. FALSE RADIUS ONLY ALLOWED WHERE APPROVED BY CITY ENGINEER.

2. CURB & GUTTER TO FLOW AWAY FROM FALSE RADIUS UNLESS STORM WATER FLOW IS ROUTED INTO A STORM DRAIN VIA A CURB INLET BOX AS SHOWN.

3. FALSE RADIUS TO BE ADAPTED TO CONDITION IN FIELD AS APPROVED BY CITY ENGINEER.
TYPICAL PAVED TRENCH DETAIL
N.T.S.

NOTES:
1. THIS DETAIL APPLIES TO THE INSTALLATION OF ALL SERVICE LATERALS. TRENCH WIDTH MINIMUMS DO NOT APPLY TO LATERALS LESS THAN 4".
2. IF PROFILE DRAWING OF THE PIPE IS PROVIDED, THE COVER SHALL BE AS SHOWN ON PROFILE SHEET.
3. TRENCH SIDE SLOPES AND/OR SHORING SHALL COMPLY W/ OSHA STANDARDS.
4. FOR HDPE PIPE WITH LESS THAN 12" COVER USE FLOWABLE FILL TO BOTTOM OF ASPHALT FROM BOTTOM OF PIPE.
5. MINIMUM DEPTH OF SEWER MANHOLE IS 48" OF COVER OVER TOP OF THE PIPE UNLESS OTHERWISE APPROVED BY ENOCH CITY.

LEGEND
- FINAL BACKFILL (MATERIAL AS SHOWN)
- PIPE ZONE
- BEDDING
- FOUNDATION
TYPICAL UNPAVED TRENCH DETAIL

NOTES:

1. THIS DETAIL APPLIES TO THE INSTALLATION OF ALL SERVICE LATERALS. TRENCH WIDTH MINIMUMS DO NOT APPLY TO LATERALS LESS THAN 4".
2. IF PROFILE DRAWING OF THE PIPE IS PROVIDED, THE COVER SHALL BE AS SHOWN ON PROFILE SHEET.
3. TRENCH SIDE SLOPES AND/OR SHORING SHALL COMPLY WITH OSHA STANDARDS.
4. FOR HDPE PIPE WITH LESS THAN 12" COVER USE FLOWABLE FILL TO BOTTOM OF ASPHALT FROM BOTTOM OF PIPE.
5. MINIMUM DEPTH OF SEWER MANHOLE IS 48" OF COVER OVER TOP OF THE PIPE UNLESS OTHERWISE APPROVED BY ENOCH CITY.

LEGEND

- FINAL BACKFILL (MATERIAL AS SHOWN)
- PIPE ZONE
- BEDDING
- FOUNDATION
NOTES:

1. TRENCH WIDTH, BEDDING, AND PIPE ZONE REQUIREMENTS FOR UTILITY INSTALLATIONS SHALL CONFORM TO THE RESPECTIVE AGENCY REQUIREMENTS.

2. TRENCH SIDE SLOPES AND/OR SHORING SMALL COMPLY WITH OSHA STANDARDS.
NOTES:
1. UTILITY EASEMENTS MUST BE PREPARED BY DEVELOPER TO RECEIVE UTILITIES.
2. 21'0" IF TRAIL EXISTS.
3. 17'0" IF TRAIL EXISTS.
4. LOCATE STORM DRAIN UNDER LIP OF CURB.
5. 10'0" IN RESIDENTIAL AREAS / 20'0" IN INDUSTRIAL & COMMERCIAL AREAS.
6. OPTIONAL FOR ARTERIALS AND MAJOR COLLECTORS ONLY.
7. ALL UTILITIES HAVE THE OPTION OF USING THE REAR LOT EASEMENT.
8. MEASURED AT CENTER OF MANHOLES.
9. MINIMUM REQUIRED SEPARATION BETWEEN WATER AND SEWER IS 10 FEET.
TYPICAL ROAD SECTION – 50’0” RIGHT-OF-WAY
N.T.S.

TYPICAL ROAD SECTION – UNIMPROVED ROAD
N.T.S.

NOTES:
1. BACK OF SIDEWALK TO BE BACKFILLED TO TOP OF CONCRETE.
2. PIT RUN MATERIAL CAN BE ELIMINATED IF NATIVE MATERIAL MEETS OR EXCEEDS PIT RUN MATERIAL STANDARD GRADATION.
TYPICAL ROAD SECTION – 66'0" & 100'0" RIGHT-OF-WAYS
N.T.S.

NOTES:
1. BACK OF SIDEWALK TO BE BACKFILLED TO TOP OF CONCRETE.
2. PIT RUN MATERIAL CAN BE ELIMINATED IF NATIVE MATERIAL MEETS OR EXCEEDS PIT RUN MATERIAL STANDARD GRADATION.
TYPICAL ROAD SECTION WITH CROSS SLOPE
N.T.S.

TYPICAL ROAD SECTION FOR TEMPORARY SECONDARY ACCESS
N.T.S.

TYPICAL ROAD SECTION FOR TEMPORARY CITY MAINTENANCE ACCESS
N.T.S.

NOTES:
1. BACK OF SIDEWALK TO BE BACKFILLED TO TOP OF CONCRETE.
2. PIT RUN MATERIAL CAN BE ELIMINATED IF NATIVE MATERIAL MEETS OR EXCEEDS PIT RUN MATERIAL STANDARD GRADATION.
NOTES:
1. BACK OF SIDEWALK TO BE BACKFILLED TO TOP OF CONCRETE.
2. PIT RUN MATERIAL CAN BE ELIMINATED IF NATIVE MATERIAL MEETS OR EXCEEDS PIT RUN MATERIAL STANDARD GRADATION.
3. VEGETATION FOR PLANTER STRIP LANDSCAPING TO FOLLOW APPROVED ENOCH CITY VEGETATION ORDINANCE.
4. SIDEWALK MAY MEANDER WITHIN THE ALLOWABLE SPACE PROVIDED. A MINIMUM 4" SIDEWALK WIDTH MUST BE MAINTAINED.
5. PLANTER STRIP TO BE MAINTAINED BY PROPERTY OWNER.
6. 24" DEEP ROOT BARRIER IS REQUIRED FOR ALL TREES PLANTED IN THE PLANTER STRIP. THE ROOT BARRIER MUST BE AT LEAST 20 FEET LONG, CENTERED ON THE TREE TRUNK AND BE INSTALLED ADJACENT TO THE SIDEWALK AND BACK OF CURB.
7. MAXIMUM TREE CANOPY (AT MATURITY) CAN BE 10-12 FEET MAXIMUM WIDTH.
8. TREE LIMB HEIGHT MUST BE AT LEAST 20 FEET HIGH ABOVE THE STREET ASPHALT.
9. NO TREES CAN BE PLANTED CLOSER THAN 5 FEET FROM WATER AND SEWER LATERALS.
10. NO TREE SHALL BE PLANTED CLOSER THAN 30 FEET OF ANY STREET CORNER, MEASURED FROM THE POINT OF NEAREST INTERSECTING CURBS OR CURB LINES.
11. NO TREE SHALL BE PLANTED CLOSER THAN 10 FEET OF ANY FIREPLUG.
12. NO TREES OTHER THAN THOSE SPECIES LISTED AS SMALL TREES IN THE ENOCH CITY VEGETATION ORDINANCE MAY BE PLANTED UNDER or WITHIN 15 LATERAL FEET OF ANY OVERHEAD UTILITY WIRE.
TYPICAL ROAD SECTION — UNIMPROVED ROAD w/ BORROW DITCH

NOTES:
1. PIT RUN MATERIAL CAN BE ELIMINATED IF NATIVE MATERIAL MEETS OR EXCEEDS PIT RUN MATERIAL STANDARD GRADATION.
TYPICAL INDUSTRIAL ROAD SECTION – 50’0” RIGHT-OF-WAY
N.T.S.

TYPICAL INDUSTRIAL ROAD SECTION – UNIMPROVED ROAD
N.T.S.

NOTES:
1. BACK OF SIDEWALK TO BE BACKFILLED TO TOP OF CONCRETE.
2. PIT RUN MATERIAL CAN BE ELIMINATED IF NATIVE MATERIAL MEETS OR EXCEEDS PIT RUN MATERIAL STANDARD GRADATION.
NOTES:

1. ROAD SECTIONS FOR PERMANENT CUL-DE-SACS SHALL BE THE SAME ROAD SECTION AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.

2. TEMPORARY CUL-DE-SAC ROAD SECTIONS SHALL BE 6" COMPACTED ROAD BASE ON 12" SCARIFIED AND RECOMPACTED SUBGRADE.

3. TEMPORARY CUL-DE-SAC ROAD SECTIONS SHALL BE INSTALLED ON ANY TEMPORARY DEAD END STREET LONGER THAN 140 FEET.

<table>
<thead>
<tr>
<th>R/W WIDTH</th>
<th>W (MIN.)</th>
<th>R (MIN.)</th>
<th>R1 (MIN.)</th>
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<tbody>
<tr>
<td>50'</td>
<td>40'</td>
<td>55'</td>
<td>15'</td>
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<td>66'</td>
<td>56'</td>
<td>60'</td>
<td>20'</td>
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<tr>
<td>100'</td>
<td>86'</td>
<td>60'</td>
<td>35'</td>
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</tbody>
</table>
NOTES:
1. USE NORMAL SECTION FROM INNER CURB TO CENTER LINE.
2. FROM CROWN LINE TO OUTER CURB, THE STANDARD SLOPE IS 2%.
3. SUPER ELEVATION PERCENTAGES SHOWN ARE A STRAIGHT GRADE FROM CENTER LINE TO CROWN.
4. ELEVATIONS ARE REQUIRED AT EACH B.C.
5. KNuckleS ARE ALLOWED ON 50'-0" STREETS ONLY.
6. Δ1 >75° USE RADIUS 1=30' MIN.
65° TO 75° USE RADIUS 1=35' MIN.
55° TO 65° USE RADIUS 1=45' MIN.
PLAN VIEW
N.T.S.

SECTION A-A
N.T.S.

6" SQUARE or ROUND CONCRETE ENCASEMENT

CLASS-A CONCRETE

PUNCH MARK

R.L.S.

6" SQUARE or #

2"§ BRONZE or BRASS CAP
w/ 2½" STEM (NOT TO BE MARKED BY CONTRACTOR)

1/4" BELOW ASPHALT

SAW CUT ASPHALT

BITUMINOUS SURFACE

6" AGGREGATE BASE

COMPACTED SUBGRADE

CLASS-A CONCRETE

3/8" MIN. # REBAR (8" LONG) SET A MIN. OF 4" BELOW TOP OF CONCRETE AT APPROX. CENTER.
TYPICAL SECTION (GROUTED)
N.T.S.

TYPICAL SECTION (ANCHOR BOLTS)
N.T.S.
NOTES:
1. SIGN POST SHALL BE SQUARE, GALVANIZED AND PERFORATED ON ALL FOUR SIDES.
2. ATTACH POST TO SLEEVE BY USING AT LEAST TWO 3/8" DRIVE RIVETS OR BOLTS.
3. PROVIDE 6" MINIMUM LAP BETWEEN POST AND THE SLEEVE.
5. UNLESS OTHERWISE INDICATED HEREON SIGN FACE SIZES SHALL NOT BE LESS THAN THE SIGN SIZES FOR CONVENTIONAL ROADS AS RECOMMENDED IN THE LATEST APPROVED VERSION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. (MUTCD)

STOP & STREET SIGN LOCATION DETAIL
N.T.S.

ATTACH STREET NAME SIGN(S) TO POST CAP & CROSS BRACKET W/ 3/8" DRIVE RIVETS

W1-8 CHEVRON SIGN (SEE NOTE 6) (12 Ga.)
36"x36"x36" YIELD SIGN (12 Ga.)
30"x30" STOP SIGN (12 Ga.)
1 1/2" SIGN POST (12 Ga.)
TOP OF SLEEVE
GROUND SURFACE

SECTION
N.T.S.

INSTALLATION DETAIL
N.T.S.

STOP & STREET SIGN LOCATION DETAIL
N.T.S.

ATTACH STREET NAME SIGN(S) TO POST CAP & CROSS BRACKET W/ 3/8" DRIVE RIVETS

W1-8 CHEVRON SIGN (SEE NOTE 6) (12 Ga.)
36"x36"x36" YIELD SIGN (12 Ga.)
30"x30" STOP SIGN (12 Ga.)
1 1/2" SIGN POST (12 Ga.)
TOP OF SLEEVE
GROUND SURFACE

SECTION
N.T.S.

INSTALLATION DETAIL
N.T.S.

STOP & STREET SIGN LOCATION DETAIL
N.T.S.

ATTACH STREET NAME SIGN(S) TO POST CAP & CROSS BRACKET W/ 3/8" DRIVE RIVETS

W1-8 CHEVRON SIGN (SEE NOTE 6) (12 Ga.)
36"x36"x36" YIELD SIGN (12 Ga.)
30"x30" STOP SIGN (12 Ga.)
1 1/2" SIGN POST (12 Ga.)
TOP OF SLEEVE
GROUND SURFACE

SECTION
N.T.S.

INSTALLATION DETAIL
N.T.S.
NOTES:
1. SIGNS SHALL BE "EXTRUDED BLADE".
2. SIGN FACE SHALL BE WHITE LETTERS ON GREEN BACKGROUND 100% HIGH INTENSITY OR DIAMOND GRADE REFLECTIVE SHEETING BOTH LETTERS AND BACKGROUND.
3. ALL LETTERS SHALL BE UPPER CASE. ALL LETTERS AND NUMBERS SHALL CONFORM TO THE HEIGHT, WIDTH AND STROKE WIDTH, AND SPACING, AS PER U.S. DEPARTMENT OF TRANSPORTATION PUBLICATION "STANDARD ALPHABETS FOR HIGHWAY SIGNS".
4. SERIES LETTERS SHALL CONFORM TO THE FOLLOWING REQUIREMENTS AS DETERMINED BY CLASS OF SIGN CALLED FOR.
5. DOUBLE LINED SIGNS ARE USED FOR STREETS HAVING BOTH NUMBERS AND NAMES. THE STREET NUMBER SHALL BE THE PRIMARY COPY.
6. 6061 - T6 HEAT TREATED HIGH TENSILE DEGREASED AND ALODINE 1200 FINISH. THICKNESS TO BE 0.08 FOR 6" BLADE.

<table>
<thead>
<tr>
<th>SIGN CLASS</th>
<th>SIGN LENGTH</th>
<th>PRIMARY COPY</th>
<th>SUFFIX COPY</th>
</tr>
</thead>
<tbody>
<tr>
<td>SINGLE LINE 6&quot;</td>
<td>24&quot;</td>
<td>4&quot; C, D SERIES</td>
<td></td>
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<tr>
<td></td>
<td>30&quot;</td>
<td>4&quot; C, D SERIES</td>
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<td>2&quot; C SERIES</td>
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<td></td>
<td>36&quot;</td>
<td>4&quot; A, B, C, D SERIES</td>
<td>2&quot; C SERIES</td>
</tr>
</tbody>
</table>
CONSTRUCTION NOTES:
1. RIGHT OF WAY LINE
2. SIDEWALK
3. CURB AND GUTTER
4. SAW CUT REQUIRED
5. ASPHALT TAPER PER SOILS REPORT
6. CHEVRON SIGNS PER INSTALLATION DETAIL (ONE SIGN AT CURB AND ASPHALT, THENCE EVERY 20'0" MAX.)
CONSTRUCTION NOTES:

1. CHEVRON SIGNS PER INSTALLATION
   DETAIL (ONE SIGN AT CURB AND ASPHALT, THENCE EVERY 20'0" MAX.
2. PROPERTY LINE
3. CURB AND GUTTER
4. SIDEWALK
5. (2) 2" GRAY PVC CABLE T.V. CONDUITS
   (TYP.)
6. (1) 4" GRAY PVC TELEPHONE CONDUIT
   (TYP.)
7. (1) 4" GRAY PVC SPARE CONDUIT
   w/ LOCATION RISER (TYP.) SEE DETAIL 'A'
8. (3) 6" GRAY PVC ELECTRICAL CONDUITS
   (TYP.)
9. (1) 8" SCH40 - WHITE PVC GAS CONDUIT
   (TYP.)
10. (3) 2" GRAY PVC CONDUITS FOR SIGNALS
    (TYP.) (SEE NOTE 2)

NOTES:

1. EXTEND ALL CONDUITS 3'0" BEYOND PROPERTY LINE.
2. SIGNAL CONDUITS INSTALLED ONLY AT INTERSECTIONS OF ARTERIALS WITH MAJOR COLLECTORS AND INTERSECTIONS OF TWO ARTERIALS.
3. CONDUITS CAN BE ELIMINATED WITH WRITTEN APPROVAL OF UTILITIES.
4. ALL CONDUIT TRENCHES TO BE COMPACTED TO 95% OF MAXIMUM FOR FULL DEPTH.
5. CONDUITS LOCATED ON ALL INTERSECTION LEGS BUT ONE.
P.U.D. ACCESS TURN-AROUND PLAN VIEW
N.T.S.

NOTES:
1. INTERIOR ISLAND, INCLUDING M1 & B4 CURB, TRUCK APRON AND LANDSCAPE AREA IS OPTIONAL.
2. PROPER SIGNAGE IS NEEDED FOR A ROUNDABOUT SITUATION.
TYPE M1 CURB & GUTTER
N.T.S.

TYPE B4 CURB
N.T.S.

P.U.D. ACCESS TURN-AROUND CROSS SECTION
N.T.S.
CONSTRUCTION NOTES:

1. 'DARK SKY' COMPLIANT LIGHT FIXTURE PER Enoch CITY ENGINEERING DESIGN STANDARDS, SECTION 4.5.1.1 AND TABLE 4.12
2. POLE PER Enoch CITY ENGINEERING DESIGN STANDARDS, SECTION 4.5.1.11 AND TABLE 4.13
3. HAND-HOLE PER Enoch CITY ENGINEERING DESIGN STANDARDS, SECTION 4.5.1.11
4. TOP OF POLE BARREL TO BE SAME ELEVATION AS TOP OF SIDEWALK.
5. 1 1/2" DIA. WIRE HOLE WITH RUBBER GROMMET.
6. 1" PVC CONDUIT (BY DEVELOPER).
7. STREETLIGHT JUNCTION BOX TO BE PLACED AT EACH STREET LIGHT, NORDIC FIBERGLASS INC. DWG. NO. PHH2-161912-WG, or CARSON 1324-12-15-4PL/GRN/ELEC. O.A.E. (BY DEVELOPER)
8. TRANSFORMER or SECONDARY JUNCTION BOX (BY POWER COMPANY).
9. 5 AMP IN-LINE FUSE WILL BE INSTALLED BY THE CONTRACTOR ON THE 120 VOLT LINE CONNECTING TO THE POWER COMPANY’S SECONDARY POWER IN THE BOX. FUSE HOLDER TO BE A GOULD FEBIII w/ A FSBI, O.A.E.
10. 1" or 3/4" ROAD BASE (O.A.E.) COMPACTED TO 95% OF MAXIMUM DENSITY.
11. CURB, GUTTER & SIDEWALK (BY OTHERS)
12. ALL WIRING & WIRE SIZES PER NEC.
13. POWER SUPPLY JUNCTION BOX, NORDIC FIBERGLASS INC. DWG. NO. PHH2-161912-WG, O.A.E. (BY DEVELOPER) NOTE: THIS BOX CAN BE ELIMINATED IF THE STREET LIGHT BOX IS WITHIN 10 FEET OF THE POWER COMPANY POWER SOURCE.
14. CONCRETE BASE MOUNTED POLE PER DETAIL SHEET P12.2 CAN BE SUBSTITUTED FOR A DIRECT BURIAL POLE.
15. DIRECT BURIAL CABLE (BY DEVELOPER).
16. ALL ELECTRICAL CABLE SPLICE CONNECTOR SHALL BE WATERPROOF 3W DIRECT BURY SPLICE KITS O.A.E.

NOTES:

1. ALL ELECTRIC CABLES AND CONDUITS SHALL BE SIZED PER THE NATIONAL ELECTRICAL CODE.
2. ALL STREET LIGHT LOCATIONS TO BE COORDINATED WITH POWER COMPANY WITH SECTION 4.5.2.4V AND TABLE 4.13 PER Enoch CITY ENGINEERING DESIGN STANDARDS.
DO NOT INSTALL POLE WITHOUT LUMINAIRE

NOTES:
1. ALL ELECTRIC CABLES AND CONDUITS SHALL BE SIZED PER THE NATIONAL ELECTRICAL CODE.
2. BASE FOUNDATIONS IN SIDEWALK SHALL HAVE A ½" EXPANSION JOINT AROUND THE BASE.
3. ALL STREET LIGHT LOCATIONS TO BE COORDINATED WITH POWER COMPANY WITH SECTION 4.5.2.IV AND TABLE 4.13 PER ENOCH CITY ENGINEERING DESIGN STANDARDS.

SEE DETAIL R12.2 ON SHEET 2
CONSTRUCTION NOTES:

1. 'DARK SKY' COMPLIANT LIGHT Fixture PER Enoch CITY ENGINEERING DESIGN STANDARDS, SECTION 4.5.1.I AND TABLE 4.12
2. POLE PER ENoCH CITY ENGINEERING DESIGN STANDARDS, SECTION 4.5.1.II AND TABLE 4.13
3. POLE-HEEL PER ENoCH CITY ENGINEERING DESIGN STANDARDS, SECTION 4.5.1.III
4. POLE BASE AT BACK OF SIDEWALK WITH TOP OF BASE CONCRETE TO BE 6" HIGHER THAN TOP OF SIDEWALK. ½"x6" FELT BETWEEN LIGHT BASE AND SIDEWALK.
5. POWER FEED ROUTED THROUGH POLE BASE IN 1" PVC CONDUIT.
6. 1" PVC CONDUIT (BY DEVELOPER).
7. STREETLIGHT JUNCTION BOX TO BE PLACED AT EACH STREET LIGHT, NORDIC FIBERGLASS INC. DWG. NO. PHW2-161912-MG, OR CARSON 1324-12-15-4PL/GPM/LEG. O.A.E. (BY DEVELOPER).
8. TRANSFORMER or SECONDARY JUNCTION BOX (BY POWER COMPANY).
9. A 5 AMP IN-LINE FUSE WILL BE INSTALLED BY THE CONTRACTOR ON THE 120 VOLT LINE CONNECTING TO THE POWER COMPANY'S SECONDARY POWER IN THE BOX. FUSE HOLDER TO BE A GOULD FEBIII w/ A FSBII, O.A.E.
10. CONCRETE BASE FOUNDATION, TYPE A CONCRETE, REINFORCEMENT AS SHOWN.
11. CURB, GUTTER & SIDEWALK (BY OTHERS)
12. ALL WIRING & WIRE SIZES PER NEC.

POWER SUPPLY JUNCTION BOX, NORDIC FIBERGLASS INC. DWG. NO. PHW2-161912-MG, O.A.E. (BY DEVELOPER) NOTE: THIS BOX CAN BE ELIMINATED IF THE STREET LIGHT BOX IS WITHIN 10 FEET OF THE POWER COMPANY POWER SOURCE.

14. ANCHOR BOLTS MATERIAL, SIZE & PATTERN PER POLE MANUFACTURES REQUIREMENTS.
15. ALL ELECTRICAL CABLE SPLICE CONNECTORS SHALL BE WATERPROOF 3M DIRECT BURY SPLICE KITS O.A.E.
16. NON-SHRINK GROUT BETWEEN POLE BASE AND FOUNDATION.

SECTION 'A-A' REINFORCEMENT
SLIP BASE

LIGHT POLE FOUNDATION DETAIL
N.T.S.
NOTES:
1. ALL ELECTRIC CABLES AND CONDUITS SHALL BE SIZED PER THE NATIONAL ELECTRICAL CODE.
2. BASE FOUNDATIONS IN SIDEWALK SHALL HAVE A 3/8" EXPANSION JOINT AROUND THE BASE.
3. ALL STREET LIGHT LOCATIONS TO BE COORDINATED WITH POWER COMPANY WITH SECTION 4.5.2.IV AND TABLE 4.13 PER ENOCH CITY ENGINEERING DESIGN STANDARDS.

SEE DETAIL R12.3 ON SHEET 2
CONSTRUCTION NOTES:

1. 'DARK SKY' COMPLIANT LIGHT FIXTURE PER Enoch CITY ENGINEERING DESIGN STANDARDS, SECTION 4.5.1.I AND TABLE 4.12

2. POLE PER Enoch CITY ENGINEERING DESIGN STANDARDS, SECTION 4.5.1.II AND TABLE 4.13

3. 5/8"x6'0" COPPER COATED STEEL GROUND ROD w/ NO.6 GROUND WIRE CONNECTED TO GROUND LUG AT HAND HOLE.

4. HOLE PER Enoch CITY ENGINEERING DESIGN STANDARDS, SECTION 4.5.1.II

5. POLE BASE AT BACK OF SIDEWALK WITH TOP OF BASE CONCRETE TO BE 6" HIGHER THAN TOP OF SIDEWALK. 5/8"x6" FELT BETWEEN LIGHT BASE AND SIDEWALK.

6. POWER FEED ROUTED THROUGH POLE BASE IN 1"# PVC CONDUIT.

7. 1" PVC CONDUIT (BY DEVELOPER).

STREETLIGHT JUNCTION BOX TO BE PLACED AT EACH STREET LIGHT, NORDIC FIBERGLASS INC. DWG. NO. PHH2-161912-MG, OR CARSON 1324-12-15-4PL/GRN/ELEC. O.A.E. (BY DEVELOPER).

9. TRANSFORMER or SECONDARY JUNCTION BOX (BY POWER COMPANY).

A 5 AMP IN-LINE FUSE WILL BE INSTALLED BY THE CONTRACTOR ON THE 120 VOLT LINE CONNECTING TO THE POWER COMPANY'S SECONDARY POWER IN THE BOX. FUSE HOLDER TO BE A GOULD 200MBII W/ A FSBI, O.A.E.

11. CONCRETE BASE FOUNDATION, TYPE A CONCRETE, REINFORCEMENT AS SHOWN.

12. CURB, GUTTER & SIDEWALK (BY OTHERS)

13. ALL WIRING & WIRE SIZES PER NEC.

POWER SUPPLY JUNCTION BOX, NORDIC FIBERGLASS INC. DWG. NO. PHH2-161912-MG, O.A.E. (BY DEVELOPER) NOTE: THIS BOX CAN BE ELIMINATED IF THE STREET LIGHT BOX IS WITHIN 10 FEET OF THE POWER COMPANY POWER SOURCE.

15. SLIP BASE PER POLE MANUFACTURES DETAIL.

16. ANCHOR BOLTS MATERIAL, SIZE & PATTERN PER POLE MANUFACTURES REQUIREMENTS.

17. ALL ELECTRICAL CABLE SPLICE CONNECTORS SHALL BE WATERPROOF 3M DIRECT BURY SPLICE KITS O.A.E.

18. NON-SHRINK GROUT BETWEEN POLE BASE AND FOUNDATION.
16"w x 12"d x 6" high erosion control wall block, terra cotta color stacked to achieve landscape shown.

4" thick sidewalk; 4'0" wide per detail CO.0.

Existing soil to be excavated as necessary.

6" thick road base.

Granular fill (thickness varies).

16"w x 12"d x 6" high erosion control wall block, terra cotta color stacked to achieve landscape shown.

8 oz. filter fabric.

Backfill & compact to 90%.

Erosion control wall @ back of sidewalk.

N.T.S.
TRAIL INFORMATION

- ACCESS LIMITATIONS
  - SLOPES 5% - 25%
  - CROSS SLOPES > 2%
  - UNEVEN SURFACES

- NO MOTORIZED VEHICLES
  - MOTORCYCLE
  - ATV'S
  - SNOWMOBILES
  - VEHICLES

- DOGS
  - LEASH
  - CLEAN UP AFTER

- TRASH
  - KEEP OUR TRAIL CLEAN
  - PROPERLY DISPOSE OF WASTE

NOTES:
1. ALL SIGN FACE MATERIALS, COLORS, LETTERS, INSTALLATION, ETC. SHALL CONFORM TO CITY ENGINEERING STANDARD DRAWING R8.0B

ENOC CITY
900 E MIDVALLEY RD
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TRAIL SIGN FACE DETAIL

SCALE: N.T.S.
DATE: DEC. 2022
DETAIL No.: R14.2

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MINIMUM STREET WIDTH (FACE OF CURB TO FACE OF CURB)

TWO-WAY STREETS: 67' WITH ANGLE PARKING ON BOTH SIDES OF STREET
58' WITH ANGLE PARKING ON ONE SIDE & PARALLEL PARKING ON OPPOSITE SIDE.

ONE-WAY STREETS: 45' WITH ANGLE PARKING ON ONE SIDE & PARALLEL PARKING ON OPPOSITE SIDE.
36' WITH ANGLE PARKING ON ONE SIDE & NO PARKING ON OPPOSITE SIDE.

NOTES:
1. SEE ANGLE PARKING ORDINANCE FOR OTHER REQUIREMENTS FOR ANGLE PARKING.
NOTES:
1. BACK OF SIDEWALK TO BE BACKFILLED TO TOP OF CONCRETE.
2. PIT RUN MATERIAL CAN BE ELIMINATED IF NATIVE MATERIAL MEETS OR EXCEEDS PIT RUN MATERIAL STANDARD GRADATION.
3. MEDIAN VEGETATION PER ISLAND OWNER.
4. VEGETATION FOR MEDIAN LANDSCAPING TO FOLLOW APPROVED ENOCH CITY VEGETATION ORDINANCE.

TYPICAL MEDIAN ROAD SECTION
50' RIGHT-OF-WAY
{66' RIGHT-OF-WAY}
(100' RIGHT-OF-WAY)

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TYPICAL MEDIAN INTERSECTION DETAIL
N.T.S.

NOTES:
1. REFER TO ENOCH CITY STANDARD DETAIL R16.0 FOR MEDIAN DESIGN REQUIREMENTS.
TYPICAL MEDIAN INTERSECTION DETAIL
N.T.S.

NOTES:
1. REFER TO Enoch CITY STANDARD DETAIL R16.0 FOR MEDIAN DESIGN REQUIREMENTS.
NOTES:
1. ROAD SECTIONS SHALL BE THE SAME ROAD SECTION AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.

<table>
<thead>
<tr>
<th>R/W WIDTH</th>
<th>W</th>
<th>R (MIN.)</th>
<th>R1 (MIN.)</th>
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<tr>
<td>100'</td>
<td>86'</td>
<td>60'</td>
<td>35'</td>
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</tbody>
</table>
NOTES:
1. BACK OF SIDEWALK TO BE BACKFILLED TO TOP OF CONCRETE.
2. PIT RUN MATERIAL CAN BE ELIMINATED IF NATIVE MATERIAL MEETS OR EXCEEDS PIT RUN MATERIAL STANDARD GRADATION.
3. MEDIAN VEGETATION PER ISLAND OWNER.
4. VEGETATION FOR MEDIAN LANDSCAPING TO FOLLOW APPROVED ENOCH CITY VEGETATION ORDINANCE.
5. REQUIRED ON ALL MAJOR COLLECTOR ROADS WITH MEDIANS.
NOTES:
1. ONLY APPROVED INSERTABLE TEES w/ RUBBER GROMMET SEAL or PVC SADDLE WYES GLUED & STRAPPED TO EXISTING PVC MAINS ALLOWED. INSERTABLE TEES SHALL NOT BE USED IN PIPE LESS THAN 12" #. SADDLE WYES CONNECTING TO VITRIFIED CLAY SEWER PIPE MAIN MUST BE ENCASED IN CRUSHED STONE AS SHOWN.
2. ALL SEWER LATERALS TO BE ABS or PVC 4" or 6"# MATERIAL SDR-35.
3. WHERE CLEARANCE BETWEEN BOTTOM OF OBSTRUCTION AND TOP OF LATERAL IS LESS THAN 12", ENCASE LATERAL IN CRUSHED STONE.
4. 4" or 6" PVC WYE INSTALLED BY BUILDING PLUMBER AT REQUIRED ELEVATIONS.
5. SEWER LATERALS SHALL NORMALLY BE PLACED 10'0" INSIDE THE SIDE LOT LINE ON THE SIDE WHERE THE SEWER MAIN IS THE LOWEST. ON TWIN HOME LOTS SEWER LATERAL SHALL BE PLACED 1'0" ON EACH SIDE OF THE LINE DIVIDING THE HOMES.
6. 4" HIGH LETTER "S" ETCHED IN CONCRETE CURB ABOVE SEWER LATERAL.
7. NO SEWER LATERALS SHALL BE CONNECTED DIRECTLY TO SEWER MANHOLES.
8. WHEN A NEW SEWER LATERAL REPLACES AN EXISTING SEWER LATERAL AT A DIFFERENT LOCATION ON THE SEWER MAIN, THE EXISTING SEWER LATERAL SHALL BE CAPPED AT THE SEWER MAIN.
9. SEWER LATERALS IN COMMERCIAL PARKING LOTS REQUIRE A COLLAR AROUND THE CLEAN-OUT CAP SIMILAR TO WATER VALVE BOX COLLARS PER DETAIL W1.1
SEE NOTE 6, SHEET 1
SEWER MAIN

45° BEND

SEE NOTE 3, SHEET 1
SEWER MAIN

45° BEND

CRUSHED STONE 3/8" - 5/8"
MINUS ENCASEMENT
(SEE NOTE 1 & 2, SHEET 1)

6" MIN.
ALL SIDES

HOUSE CONNECTION OVER OBSTRUCTION
(UPON APPROVAL ONLY)
N.T.S.

SEE NOTE 6, SHEET 1
SEWER MAIN

45° BEND

SEE NOTE 3, SHEET 1
SEWER MAIN

45° BEND

OBSTRUCTION IN THIS AREA

VARYING

HOUSE CONNECTION UNDER OBSTRUCTION
(UPON APPROVAL ONLY)
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SEWER LATERAL

SCALE: N.T.S.
DATE: DEC. 2022
S1.0B

Sheet: 2 of 2
NOTES:

1. MANHOLES IN ROADWAYS REQUIRE CONCRETE COLLAR. TOP OF MANHOLE CONE IN UNIMPROVED AREAS SHALL BE SET 6" TO 12" ABOVE FINISH GRADE WITH NO GRADE RINGS. (NO CONCRETE COLLAR REQUIRED)

2. MANHOLE LID, RING AND CONCRETE COLLAR TO BE CENTERED ON MANHOLE OPENING AND SET ½" BELOW TOP OF ASPHALT.

3. 5" Ø # MANHOLES REQUIRED FOR ALL SEWER LINES OVER 15" Ø, MANHOLES OVER 12'0" DEEP, or MANHOLES w/ (3) or MORE INCOMING LINES.

4. NO SEWER LATERALS SHALL BE INSTALLED INTO MANHOLES.

5. OUTLET PIPE INVERT TO BE 0.05' (MINIMUM) LOWER THAN INLET PIPES IN ALL MANHOLES.

6. NO WOOD OR PVC SHIMS WILL BE ALLOWED BETWEEN LID RING AND ADJUSTING RINGS OR MANHOLE.

7. IF TRAFFIC LID IS USED, CONCRETE COLLAR CAN BE ELIMINATED IF TRAFFIC LID IS < 6" BELOW FINISHED ROAD GRADE.

8. MANHOLES IN UNIMPROVED AREAS REQUIRE AN ORANGE CARBONITE CRM 66" UTILITY MARKER BE PLACED WITHIN 4'0" OF THE MANHOLE w/ A STICKER INDICATING SEWER MANHOLE.

9. DROP MANHOLE AND ALL OTHER MANHOLES WITH PRESSURE LINE OF ANY SIZE or GRAVITY LINES 15" Ø AND ABOVE SHALL BE CORROSION RESISTANT, ARMOR ROCK (PRECAST), or SPRAYROQ (FIELD APPLIED); 125 MILS. THICK, O.A.E.
EXISTING SEWER MANHOLE CONNECTION
N.T.S.

NOTES:
1. MANHOLES IN ROADWAYS REQUIRE CONCRETE COLLAR. TOP OF MANHOLE CONE IN UNIMPROVED AREAS SHALL BE SET 6" TO 12" ABOVE FINISH GRADE WITH NO GRADE RINGS. (NO CONCRETE COLLAR REQUIRED)
2. MANHOLE LID, RING AND CONCRETE COLLAR TO BE CENTERED ON MANHOLE OPENING AND SET ¾" BELOW TOP OF ASPHALT.
3. 5"Ø MANHOLES REQUIRED FOR ALL SEWER LINES OVER 15"Ø, MANHOLES OVER 12'Ø DEEP, or MANHOLES w/ (3) or MORE INCOMING LINES.
4. NO SEWER LATERALS SHALL BE INSTALLED INTO MANHOLES.
5. OUTLET PIPE INVERT TO BE 0.05' (MINIMUM) LOWER THAN INLET PIPES IN ALL MANHOLES.
6. NO WOOD OR PVC SHIMS WILL BE ALLOWED BETWEEN LID RING AND ADJUSTING RINGS OR MANHOLE.
7. IF TRAFFIC LID IS USED, CONCRETE COLLAR CAN BE ELIMINATED IF TRAFFIC LID IS < 6" BELOW FINISHED ROAD GRADE.
8. MANHOLES IN UNIMPROVED AREAS REQUIRE AN ORANGE CARSONITE CRM 66" UTILITY MARKER BE PLACED WITHIN 4'Ø OF THE MANHOLE w/ A STICKER INDICATING SEWER MANHOLE.
9. DROP MANHOLE AND ALL OTHER MANHOLES WITH PRESSURE LINE OF ANY SIZE or GRAVITY LINES 15"Ø AND ABOVE SHALL BE CORROSION RESISTANT, ARMOR ROCK (PRECAST), or SPRAYROQ (FIELD APPLIED); 125 MILS. THICK, O.A.E.
NOTES:
1. PIPE DROPS: ONLY ONE DROP PIPE IS ALLOWED INSIDE THE MANHOLE. SIZE THE DROP PIPE TO BE SAME DIAMETER AS SEWER PIPE DISCHARGING INTO MANHOLE.
2. MATCH POINT: MATCH TOP OF THE PIPES.
3. ANCHOR: IF THE DROP IS MORE THAN 18", ANCHOR THE RISER TO THE WALL EVERY 36". USE CONCRETE ANCHORS 1/2" THREADED RODS, AWI PIPE HANGERS w/ 1/2" COUPLING & POLY PROYLENE COLLAR. ALL STEEL SHALL BE 304 STAINLESS.
4. ALL MANHOLES WITH SEWER LINES 15"# OR GREATER NEED TO HAVE CONCRETE ACID RESISTANT COATING ARMOR ROG (PRECAST) OR SPRAYROQ (FIELD APPLIED), 125 MILS. THICK, O.A.E.
INTERCEPTOR NOTES:

1. MATERIAL SPEC'S:
   1.A. CONCRETE PORTLAND CEMENT TYPE II. MINIMUM COMpressive STRENGTH=4000 PSI AT 28 DAYS.
   1.B. REINFORCING BAR INTERMEDIATE GRADE 40 ASTM A615.
   1.C. REINFORCING WELDED WIRE MESH ASTM A185.
   2. UNIT COATED OUTSIDE WITH AN APPROVED PROTECTIVE COATING.
   3. ALL DIMENSIONS ± NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS CERTIFIED.
   4. PRECAST UNIT TO BE PLACED ON NATURAL SOIL or APPROVED COMPACTED FILL.
   5. STANDARD GROUND WATER SEAL= BUTYL ROPe MASTIC or CEMENT MORTAR.
   6. INTERCEPTOR MANHOLE COVERS TO BE SET FLUSH WITH ASPHALT or CONCRETE PARKING LOT GRADES or 6" MIN. ABOVE GRADE IN UNFINISHED or LANDSCAPE AREAS.
   7. RAISE COVERS TO FINISHED GRADE WITH 30" I.D. CONCRETE or HDPE PIPE (TYP.)

SAMPLING MANHOLE NOTES:

1. MANHOLES IN ROADWAYS or PARKING LOTS REQUIRE CONCRETE COLLAR. MANHOLES IN UNIMPROVED AREAS SHALL BE SET 6" ABOVE. FINISH GRADE. (NO CONC. COLLAR REQUIRED)
2. MANHOLE LID, RING and CONCRETE COLLAR TO BE SET ½" BELOW TOP OF ASPHALT.
1. EXTERNAL SECURITY LIGHTS (4 EACH, TYP.) 120V AC PHOTOLECTRIC HIGH PRESSURE SODIUM LIGHT, MOUNTED AND WIRED TO EXTERIOR WALL (ONE ON EACH EXTERIOR WALL)

2. 4" FLOOR DRAIN. DRAIN INTO WET-WELL. SLOPE CONCRETE FLOOR INSIDE THE BUILDING TO THE FLOOR DRAIN.

3. PROVIDE TRASH CAN (RUBBERMAID 32 GAL. BRUTE ROUND BASE w/ BRUTE DOME TOP – GRAY COLOR)

4. WALL-MOUNTED STEEL STORAGE CABINET (DURHAM MODEL 056) 2 ADJUSTABLE SHELVES. RUST AND ACID-RESISTANT BAKED ENAMEL FINISH.

5. DOUBLE-WIDE ENTRANCE DOOR 6"x6'8" DOOR ASSEMBLY WITHOUT A CENTER SILL. (18 GA. DOOR w/ 14 GA. FRAME) w/ PUSH PULL HARDWARE, DEAD BOLT & 3 HINGES.

6. SEE S5.0C; SHEET 3 FOR CONSTRUCTION NOTES.

7. SEE S5.0D; SHEET 4 FOR GENERAL NOTES.
NOTES:
1. SEE S5.0C; SHEET 3 FOR CONSTRUCTION NOTES.
2. SEE S5.0D; SHEET 4 FOR GENERAL NOTES.

PUMP SIDE ELEVATION

N.T.S.

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900 E MIDVALLEY RD
Enoch, UT 84721
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SELF PRIMING SEWER LIFT STATION

Scale: N.T.S.
Date: DEC. 2022
Sheet: 2 of 4

DETAIL No.: S5.0B
NOTES:

1. Lift Beam Frame w/ 2 Ton Trolley Hoist Mounted to the Skids. Lift Beam Size to Be Determined by the Engineer. Lift Beam Must Be Tall Enough to Be Able to Lift the Pumps Up and Over the Other Equipment. Lift Beam Frame to Be Square Structural Tubing with Minimum ½" Wall Thickness (ASTM A500, Grade B, FY = 46 KSI).

2. See S5.0D; Sheet 4 for General Notes.

CONSTRUCTION NOTES

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<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
<th>MATERIAL &amp; SIZE</th>
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<tr>
<td>1</td>
<td>PUMP</td>
<td>CAST IRON T44-B</td>
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<tr>
<td>2</td>
<td>DISCHARGE CHECK VALVE</td>
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<tr>
<td>3</td>
<td>AIR RELEASE VALVE</td>
<td>CAST IRON</td>
</tr>
<tr>
<td>4</td>
<td>INTAKE VENT ASSY</td>
<td>ALUMINUM (4 SHUTTERS)</td>
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<tr>
<td>5</td>
<td>STATION ENCLOSURE</td>
<td>MASONRY BLOCK</td>
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<tr>
<td>6</td>
<td>MOTOR</td>
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<td>FLUORESCENT LIGHT FIXTURE</td>
<td>80 WATT FIXTURE</td>
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<tr>
<td>9</td>
<td>CONTROL PANEL</td>
<td>STEEL</td>
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<td>10</td>
<td>DISCHARGE PLUG VALVE</td>
<td>CAST IRON 3-WAY</td>
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<td>11</td>
<td>EXHAUST SILENCER</td>
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<td>PUMP &amp; MOTOR BASE ASSY</td>
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<td>ENGINE (NISSAN)</td>
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<td>EXHAUST VENT ASSY</td>
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<td>15</td>
<td>BELT GUARD ASSY</td>
<td>STEEL</td>
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<td>16</td>
<td>ROOF TRUSSES</td>
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<tr>
<td>17</td>
<td>METAL INSULATED ROOF w/ FLASHING</td>
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<tr>
<td>18</td>
<td>HPS LIGHT FIXTURE</td>
<td>175 WATT</td>
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</table>

SECTION A--A

N.T.S.

# Enoch City
900 E McVally Rd
Enoch, UT 84721
Tel. (435) 586-1119

Self Priming Sewer Lift Station

Scale: N.T.S.
Date: Dec. 2022
Sheet: 3 of 4

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Detail No.: S5.0C
1. NEED 3 PHASE POWER. 480-VOLT w/ CONNECTION FOR AUXILIARY GENERATOR.

2. BETWEEN PUMP SKIDS AND BUILDING FLOOR, VIBRATION ISOLATION PADS SHALL BE INSTALLED. SKIDS SHALL BE ANCHORED TO CONCRETE FLOOR AND VIBRATION ISOLATION PADS SHALL BE INSTALLED IN SMALL ENOUGH PIECES TO FIT UNDER RAILS.

3. THE PUMP STATION PHONE SYSTEM SHALL BE TIED TO THE ENOCH CITY SCADA SYSTEM USING AN AUTO-DIALER PER ENOCH CITY REQUIREMENTS. PROVIDE SUBMITTALS ON ALL AUTO-DIALER EQUIPMENT TO BE USED. THE SCADA SYSTEM MUST INCLUDE AN INTRUSION ALARM ON THE WET-WELL MANHOLE LID AND ON THE DOORS INTO THE LIFT STATION BUILDING, BUILDING TEMPERATURE SENSOR, HIGH LEVEL ALARM, MOTOR RUN, MOTOR FAIL ALARM, AND WET WELL LEVEL.

4. ALL CONDUITS AND UTILITIES COMING INTO THE BUILDING MUST COME IN THROUGH THE CONCRETE FLOOR SLAB. NO CONDUITS OR UTILITIES MAY ENTER THE BUILDING THROUGH THE WALLS. A SPARE 2" CONDUIT MUST BE STUBBED INTO THE BUILDING THROUGH THE FLOOR SLAB FOR FUTURE USE.

5. THE WET-WELL MUST BE LOCATED FACING THE STREET OR ACCESS ROAD SO THAT IT CAN BE EASILY ACCESSED BY THE CITY’S SEWER CLEANING TRUCK.

6. THE SOIL UNDERNEATH ALL CONCRETE SLABS MUST BE OVER EXCAVATED AND RE-COMPACTED PER THE RECOMMENDATIONS GIVEN IN THE SOILS REPORT.

7. THE CONCRETE SLAB MUST BE DWELLED INTO THE WET-WELL WITH #4 REBAR @ 16" O.C. TO PREVENT DIFFERENTIAL SETTLEMENT OF THE SLABS.

8. CULINARY WATER SERVICE MUST BE PROVIDED TO THE LIFT STATION SITE. INSTALL A FROST PROOF YARD HYDRANT ON THE SITE WITH 3 FEET BURY DEPTH. (SIMMONS BRAND) RUN CULINARY WATER INTO THE LIFT STATION BUILDING TO THE DEEP SINK. REFER TO THE LIFT STATION SITE PLAN STANDARD DETAIL S7.0.

9. SLOPE THE ENTIRE SITE AWAY FROM THE LIFT STATION BUILDING AT A MINIMUM 2% SLOPE TO PREVENT WATER FROM PONDING ON THE SITE.

10. MINIMUM LIFT STATION AREA IS 60' x 60', FENCED PER UDOT DETAIL NO. FG-6 w/ A 16' WIDE DOUBLE SWING GATE. REFER TO THE LIFT STATION SITE PLAN STANDARD DETAIL S6.0.

11. SEAL ALL OPENINGS THRU CONCRETE PAD INTO STATION ENCLOSURE GAS TIGHT.

12. A GAS TIGHT FLOOR DRAIN IS REQUIRED IN THE BUILDING. SLOPE THE CONCRETE FLOOR TO THE FLOOR DRAIN. DRAIN INTO THE WET-WELL.

13. THE FOLLOWING UTILITIES MUST BE RUN TO THE LIFT STATION SITE. THERE ARE NO EXCEPTIONS TO THIS REQUIREMENT. ALL OF THESE UTILITIES MUST BE BROUGHT INTO THE LIFT STATION SITE. ALL METER AND PANEL LOCATIONS MUST BE REVIEWED AND APPROVED BY THE CITY ENGINEER PRIOR TO INSTALLATION:
   - NATURAL GAS POWER
   - TELEPHONE/FIBER INTERNET (IF AVAILABLE)
   - CULINARY WATER

14. THE CONTROL PANEL MUST BE ANCHORED TO THE CONCRETE PAD.

15. PROVIDE A DUPLEX OUTLET INSIDE THE CONTROL PANEL. SCADA EQUIPMENT MUST BE PLUGGED IN INSIDE THE CONTROL PANEL.

16. THE BUILDING SHALL COME EQUIPPED WITH A 12-VOLT DC EMERGENCY LIGHTING SYSTEM THAT WILL PROVIDE 50 WATTS OF ILLUMINATION FOR 1-1/2 HOURS IN THE EVENT OF AN EMERGENCY.

17. A MASONRY BLOCK STRUCTURE w/ INSULATED AND STEEL FRAMED METAL ROOF IS REQUIRED. THE MINIMUM BUILDING DIMENSIONS ARE 14’ WIDE x 20’ LONG x 10’ TALL. THERE MUST BE AT LEAST 3’ OF CLEARANCE ALL AROUND. HEIGHT CLEARANCE MUST ALLOW FOR THE LIFTING BEAM TO BE TALL ENOUGH TO LIFT THE PUMP EQUIPMENT UP AND OVER THE OTHER EQUIPMENT.

18. THIS DETAIL DRAWING DOES NOT TAKE THE PLACE OF STAMPED ENGINEERING DRAWINGS FOR THE LIFT STATION. STRUCTURAL DRAWINGS MUST BE PROVIDED FOR THE MASONRY BUILDING THAT ARE STAMPED BE A LICENSED STRUCTURAL ENGINEER. SUBMITTALS, SHOP DRAWINGS, ENGINEERING CALCULATIONS, AND STAMPED CONSTRUCTION DRAWINGS MUST BE SUBMITTED TO THE CITY ENGINEER FOR ALL PROPOSED PUMP EQUIPMENT AND FOR THE BUILDING. THE DIMENSIONS SHOWN ON THIS DRAWING ARE PROVIDED TO SHOW THE MINIMUM CLEARANCES THAT MUST BE MET.

19. 120-VOLT ELECTRICAL OUTLETS MUST BE LOCATED A MINIMUM OF 12" ABOVE THE FLOOR.

20. SUBMITTALS ARE REQUIRED FOR ALL LIGHTS, FANS, HEATER, ELECTRICAL EQUIPMENT, PUMPS, AUTO-DIALERS, ETC. AN OWNER’S MANUAL MUST BE PROVIDED TO THE CITY FOR ALL EQUIPMENT IN THE LIFT STATION PRIOR TO COMPLETION OF THE PROJECT.

21. THE CONTROL PANEL SHALL BE EQUIPPED WITH A DORSETT SCADA SYSTEM TO PROVIDE CONTACT WITH CITY PERSONNEL ON ALL ALARM POINTS.

CONSTRUCTION NOTES:
1. NEW PVC SDR-35 GRAVITY SEWER LINE GOING INTO LIFT STATION. (LINE SIZE PER PLANS)
2. NEW PVC C900 PRESSURE SEWER PUMPBACK LINE GOING FROM LIFT STATION. (LINE SIZE PER PLANS)
3. INSTALL 16' WIDE X 6' HIGH DOUBLE SWING GATE WITH (3) STRANDS OF BARBED WIRE PER UDOT STANDARD DRAWING FG-6.
4. INSTALL 6' TALL CHAIN LINK FENCE WITH (3) STRANDS OF BARBED WIRE ON ARMS PER UDOT STANDARD DRAWING FG-6.
5. INSTALL 3" MINUS DRAIN ROCK 6" THICK IN THE ENTIRE FENCED IN AREA.
6. INSTALL 1" WATER LINE INTO BUILDING FOR SELF-PRIMING LIFT STATION.
7. INSTALL NEW FROST FREE HYDRANT AND DRAIN ROCK INCLUDING 1" WATER LINE FROM METER BOX.
8. LIFT STATION ENVELOPE PER ENGINEERED CONSTRUCTION PLANS FOR ALL BUILDINGS, CONCRETE, UTILITY METERS, ELECTRICAL EQUIPMENT, WET-WELL, ETC.
9. 2% MIN. SLOPE FROM TOP OF SLAB DOWN TO SURROUNDING GRADE.

NOTES:
1. THIS DETAIL DRAWING DOES NOT TAKE THE PLACE OF STAMPED ENGINEERING DRAWINGS FOR THE LIFT STATION SITE PLAN. THE DIMENSIONS SHOWN ON THIS DRAWING ARE PROVIDED ONLY TO SHOW THE MINIMUM CLEARANCES THAT MUST BE MET.
2. THE FOLLOWING UTILITIES MUST BE INSTALLED TO THE LIFT STATION SITE:
   - CULINARY WATER
   - TELEPHONE/FIBER INTERNET (IF AVAILABLE)
   - POWER
   - GAS
3. AUTO-DIALER IS REQUIRED FOR REMOTE MONITORING OF THE LIFT STATION.
CONSTRUCTION NOTES:

1. 24" DIAMETER or SQUARE CONCRETE COLLAR 8" THICK, REINFORCEMENT #4 BAR 16" SQUARE w/ FIBERS (TYP.)
2. TOP OF VALVE BOX AND CONCRETE COLLAR TO BE ½" BELOW FINAL STREET GRADE.
3. IF TOP OF VALVE NUT IS MORE THAN 4' DEEP THEN VALVE STEM EXTENSION IS REQUIRED PER DETAIL.
4. CLEAN OUT PIPE SIZE & MATERIAL SHALL BE THE SAME AS THE PRESSURE SEWER MAIN.
5. PIPE METAL CAP w/ LETTERS "SEWER"
6. 45° BEND REO'D w/ RESTRAINT JOINTS (MCALUG O.A.C.)
7. GATE VALVE (TYP.) w/ RESTRAINT JOINTS (MCALUG O.A.E.)
8. TRENCH BACKFILL
9. CAST IRON SCREW TYPE VALVE BOX
10. PAVEMENT STRUCTURE AS SPECIFIED BY THE DESIGN AGENCY
11. TRACE-O-FLEX MARKER w/ TERMINAL POINTS BY CARBONITE - (ORANGE COLOR)
12. 12 GA. INSULATED COPPER LOCATE WIRE DUCT TAPED TO TOP OF PIPE AT 10' INTERVALS
13. PRESSURE SEWER MAIN.
14. SCH. 40 PVC PIPE (SIZE VARYES)
15. GATE VALVE w/ 2" VALVE WRENCH NUT
16. PVC CAP
17. TAPPING SADDLE PER SPECS.
18. INLINE ISOLATION VALVE (SEE NOTES)
19. CHECK VALVE BY CUSTOMER AT TIME OF CONNECTION.

PRESSURE SEWER LATERAL

N.T.S.

PRESSURE SEWER CLEAN-OUT DETAIL

N.T.S.

STICKER 3"x5" SAYING ENOCH CITY PRESSURE SEWER CALL BEFORE YOU DIG BLUE STAKES 1-800-662-4111 AND ENOCH CITY CORPORATION 586-1119 AVAILABLE THROUGH SAFETY SUPPLY AND SIGN

UNPAVED AREA LOCATOR POST DETAIL

N.T.S.

NOTES:

1. LOCATOR POSTS TO BE PLACED AT 1000' MAX. SPACING NEXT TO IN-LINE VALVES AND BENDS ON PRESSURE SEWER MAIN.
2. PRESSURE SEWER CLEAN-OUT TO BE PLACED AT 2000' MAX. SPACING NEXT TO END OF PIPES OR IN-LINE VALVES.
3. IN-LINE VALVES TO BE PLACED EVERY 2000' MAX. ON PRESSURE SEWER LINES.
4. IN PAVED AREAS LOCATE WIRE SHALL BE TERMINATED IN THE VALVE CANS OF THE IN-LINE VALVES PER DETAIL.
CONSTRUCTION NOTES:

1. PETERSON SERIES 142 HAND TIGHTENING TEST PLUG TO BE REMOVED WHEN PUMP STATION IS ELIMINATED.

2. FLOW CHANNEL

3. 4’ DIA. SEWER MANHOLE

4. BURLAP SAND BAGS – TO BE REMOVED WHEN PUMP STATION IS ELIMINATED

5. FLOW CHANNEL TO PUMP STATION TO BE FILLED WITH GROUT WHEN PUMP STATION IS ELIMINATED.
TEMPORARY SEWER MAIN CLEAN-OUT DETAIL
(UNPAVED AREA)
N.T.S.

NOTES:
1. PERMANENT ENDS OF SEWER MAIN SHALL HAVE A SEWER MANHOLE PER DETAIL S2.0.
2. THE DIAMETER OF ALL PIPE, FITTINGS AND CAP OF THE TEMPORARY SEWER CLEAN-OUT SHALL BE THE SAME DIAMETER OF THE SEWER MAIN LINE.
SEWER MANHOLE RING & COVER w/ 40" DIAMETER
or SQUARE CONCRETE COLLAR w/ FIBER. PLACED
OVER SEWER CLEAN-OUT RING AND COVER.
D&L SUPPLY H-8012 SEWER
CLEAN-OUT RING & COVER

#4 BAR @ 18"#}
or SQUARE
THREADED PVC PIPE ADAPTER
3.0" MIN.

45° GLUED PVC SEWER BEND
(TYP.)

SDR-35 PVC SEWER PIPE
(TYP.)

TEMPORARY END
OF SEWER MAIN

SEE NOTE 2 FOR PIPE,
FITTINGS & CAP SIZES

TEMPORARY SEWER MAIN CLEAN-OUT DETAIL
(PAVED AREA)
N.T.S.

NOTES:
1. PERMANENT ENDS OF SEWER MAIN SHALL HAVE A SEWER MANHOLE
PER DETAIL S2.0.
2. THE DIAMETER OF ALL PIPE, FITTINGS AND CAP OF THE TEMPORARY
SEWER CLEAN-OUT SHALL BE THE SAME DIAMETER OF THE SEWER
MAIN LINE.
NOTES:
1. SANITARY TANK HATCH SHALL BE GPW 26B 4" DIA. SELF-CLOSING, FOOT OPERATIONAL and/or SPRING/WIGHTED COVER OR APPROVED EQUAL. OPENING SHALL BE FLUSH WITH BASE/GRADE OF CONTAINED AREA.
2. IF WATER SERVICE IS TO BE PROVIDED ALL STEPS SHALL BE TAKEN TO FOLLOW STATE & FEDERAL LAWS FOR PROPER USE OF CULINARY WATER AROUND OPEN WASTE RV DUMP STATIONS.
3. THE CITY RESERVES THE RIGHT TO VERIFY, APPROVE, or DENY THE LOCATION OF ANY PROPOSED RV DUMP STATION DUE TO PROXIMITY TO A STORM WATER CATCH BASIN.
4. CURB AND GUTTER ALSO PERMITTED.

SIGN TO BE POSTED AT SEWER DUMP LOCATION TO READ AS FOLLOWS:
Pursuant to the Enoch City Pretreatment Ordinance 30a-2.1 and 40 CFR 403.5, it is illegal to cause hazardous or harmful materials to enter the city sanitary sewer.

#6" CONCRETE FILLED STEEL PIPE BALLARD REQUIRED (TYP.)

PLAN VIEW

SANITARY TANK HATCH (SEE NOTE 1)

SANITARY TANK HATCH (SEE NOTE 1)

FLOW LINE
ELEVATION OF CURB

FROST LINE

12"x18" MIN. SIGN MOUNTED 3'-0" ABOVE SURFACE OF ISLAND SLAB

CURB

4'-0" MIN.

6" MIN.

SLOPE

SLOPE

6" MIN.

4'-0" MIN.

8" CURB MIN.

(SEE NOTE 4)

DRAINAGE OF SURFACE WATER MUST BE SLOPED TO DRAIN AWAY FROM RV DUMP AREA (TYP.)

PROFILE VIEW

SANITARY TANK HATCH (SEE NOTE 1)

SANITARY TANK HATCH (SEE NOTE 1)

FLOW LINE
ELEVATION OF CURB

FROST LINE

12"x18" MIN. SIGN MOUNTED 3'-0" ABOVE SURFACE OF ISLAND SLAB

CURB

4'-0" MIN.

6" MIN.

SLOPE

SLOPE

6" MIN.

4'-0" MIN.

8" CURB MIN.

(SEE NOTE 4)

DRAINAGE OF SURFACE WATER MUST BE SLOPED TO DRAIN AWAY FROM RV DUMP AREA (TYP.)

SECTION 'A-A'

N.T.S.
### NOTES:

1. WHEN REQUIRED MULTIPLE UNIT ASSEMBLIES SHALL BE INSTALLED WITH A SINGLE CATCH BASIN ENLARGED ACCORDINGLY.
2. CAST IN PLACE BOXES MAY BE USED WHEN APPROVED BY THE CITY ENGINEER.
3. TOP OF INLET BOX GRATE TO BE RECESSED 2" LOWER THAN FLOW LINE OF GUTTER AS SHOWN IN DETAIL BELOW.
4. CONCRETE TROUGH FLOW LINE REQUIRED PER DETAIL D5.0 ON IN-LINE/FLOW THRU BOXES.
5. BOX & GRATE GRATE TO MATCH GRADE OF CURB AND GUTTER GRADE.
6. GRATE FRAME TO BE SET DIRECTLY ON TOP OF BOX OR TOP OF PRECAST CONCRETE GRADE RING AT THE ELEVATION 2" LOWER THAN FLOW LINE OF THE CURB AND GUTTER PER THE INLET RECESS DETAIL BELOW.
LARGE CURB OUTLET BOX

SECTION A-A
N.T.S.

SECTION B-B
N.T.S.

SECTION C-C
N.T.S.

NOTES:
1. ALL EXPOSED METAL PARTS SHALL BE A-36 HOT DIPPED GALVANIZED or PAINTED AND ALL GALVANIZING DAMAGED BY FABRICATION or INSTALLATION SHALL RECEIVE TWO COATS OF GALVANIZED PAINT (PAINT TO BE RUSTOLEUM GALVANIZING COMPOUND SPRAY or EQUAL).
INLET PIPE 6"# MAX.

PROPERTY LINE

PL ——— PL ——— PL ——— PL

SIDEWALK

LIP OF GUTTER

CURB & GUTTER

PLAN VIEW
N.T.S.

7" MAX. SQUARE ⁷⁄₈" STEEL TUBING (SIZE Varies WITH INLET PIPE DIA.)

6" PIPE INSERTION

SECTION
N.T.S.

7" MAX. SQUARE ⁷⁄₈" STEEL TUBING INSTALLED FLUSH WITH TOP OF SIDEWALK (MULTIPLE TUBES ALLOWED; (3) TUBES MAX.)

4" S.W.

BASE OF GUTTER

FLOW LINE OF GUTTER

NOTES:
1. ALL EXPOSED METAL PARTS SHALL BE A-36 HOT DIPPED GALVANIZED or PAINTED AND ALL GALVANIZING DAMAGED BY FABRICATION or INSTALLATION SHALL RECEIVE TWO COATS OF GALVANIZED PAINT (PAINT TO BE RUSTOLEUM GALVANIZING COMPOUND SPRAY or EQUAL).
DETAILED B - OUTLET

DETAILED A - INLET

DETAILED C - GRATE TIE DOWN

CROSS SECTION

METAL END SECTION CONTECH O.A.E. (TYP.)

MINIMUM SLOPE PER ENGINEERING STANDARDS

PIPE PER ENGINEERING STANDARDS (SIZE VARIES)

SEE DETAIL B

RIP RAP

PIPE PER ENGINEERING STANDARDS (SIZE VARIES)

6" MIN.

3" "HOLE W/ 5/6" BOLT AND NUT W/ WASHERS

3/8" X 2" BAR WELDED TO GRATE

1/2" X 2" BARS (TYP.)

1/2" X 2" BARS @ 4" O.C.

METAL END SECTION CONTECH O.A.E.

RIP RAP DS0 = 1/2 x PIPE DIAMETER W/ 8 OZ. NON-WOVEN GEOTEXTILE FABRIC UNDER RIP-RAP

DETAILS:

N.T.S.
NOTES:

1. CAN USE INLET BOX AS A MANHOLE FOR 12"-18" PIPE IF PLACED IN CURB PER DETAIL D1.0.
2. MANHOLES IN ROADWAYS REQUIRE A CONCRETE COLLAR. MANHOLES IN UNIMPROVED AREAS SHALL BE SET 6"-12" ABOVE FINISH GRADE. (NO CONCRETE COLLAR REQUIRED)
3. PRE-CAST MANHOLE TO HAVE H-20 LOAD RATING CERTIFICATION.
4. INSTALL NON-SHRINK GROUT BETWEEN ALL CONCRETE GRADE RINGS AND MANHOLE COVER RING.
5. MANHOLE LID, RING AND CONCRETE COLLAR TO BE CENTERED ON MANHOLE OPENING AND SET \( \frac{3}{4} \)" BELOW TOP OF ASPHALT.
6. MANHOLE INLET PIPE INVERT TO BE 0.20 FEET HIGHER THAN OUT PIPE INVERT.
NOTES:
1. FOR SMALL DAMS LOCATED IN A CANYON OR WATERWAY REFER TO THE DETAILS FROM STATE DAM SAFETY.
2. MINIMUM AMOUNT OF ACREAGE SERVED BY A DETENTION POND = 160 ACRES

SCREEN POND OUTLET DETAIL
N.T.S.
EMERGENCY SPILLWAY DETAIL

NOTES:

1. FILL SHALL BE PLACED IN LOOSE LIFT THICKNESS WHICH DOES NOT EXCEED THE CAPACITY OF THE EQUIPMENT BEING UTILIZED NOT TO EXCEED 8". MAXIMUM LIFT THICKNESS SHALL BE REDUCED TO 4" FOR HAND COMPACION EQUIPMENT.

EMBANKMENT SECTION DETAIL

ORIFICE DETAIL

MJ or PVC CAP w/ ORIFICE OPENING

ORIFICE INVERT SAME ELEVATION AS BOTTOM OF BASIN.
NOTES:

1. ALL EXPOSED METAL PARTS SHALL BE A-36 GALVANIZED STEEL AND ALL GALVANIZING DAMAGED BY FABRICATION OR INSTALLATION SHALL RECEIVE TWO COATS OF ALUMINUM PAINT (GALVONIX OR EQUAL).

2. GRATING WITH 1\(\frac{3}{8}\)" x 3\(\frac{1}{4}\)" BARS AND DIAMOND PLATE SHALL ONLY BE USED IN SIDEWALKS.

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**SECTION A-A**

N.T.S.

FOR SLIDE GATE SIZE GATE DETAIL. SLIDE GATE GROOVES TO BE 3" WIDE BY 3/4" DEEP (TYP.)

STEEL GALV. DIAMOND PLATE OR GRATING PER NOTES 1 & 2

\(\frac{3}{4}\)" PULL HOLES

**PLAN VIEW**

N.T.S.

\(\frac{3}{4}\)" STEEL GALV. DIAMOND PLATE OR 1\(\frac{3}{4}\)" HIGH GALV. GRATING WITH \(\frac{3}{8}\)" OR \(\frac{3}{4}\)" WIDE BARS AS NECESSARY (SEE NOTE 2)

2"x2"x\(\frac{3}{8}\)" ANGLE (CONT.)

\(\frac{1}{2}\)" x 3" STEEL ANCHOR 12" O.C.

\(\frac{3}{4}\)" BAR (CONT.) FOR DIAMOND PLATE

USE \(\frac{1}{4}\)" x 4" x \(\frac{3}{8}\)" ANGLE FOR GRATING

---

**ANCHOR DETAIL**

N.T.S.

2"x2"x\(\frac{3}{8}\)" ANGLE (CONT.)

\(\frac{1}{2}\)" x 3" STEEL PLATE

---

**GATE DETAIL**

N.T.S.

\(\frac{3}{4}\)" REBAR HAND HOLD WELD TO STEEL PLATE

2"

---

ENOC CITY
900 E MIDVALLEY RD
Enoch, UT 84721
Tel. (435) 586-1119

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IRRIGATION DIVERSION BOX

DETAIL No.: D7.0

SCALE: N.T.S.
DATE: DEC. 2022
SHEET: 1 of 1
NOTES:
1. ALL PIPE & INSTALLATION TO MEET CITY STANDARDS.
2. CULVERT TO HAVE A MINIMUM SLOPE OF 0.30%.
<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>TEST / QUANTITY</th>
<th>QUANTITY</th>
<th>TESTS REQ’D</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROAD EMBANKMENT DENSITY TESTS</td>
<td>1/500 C.Y.</td>
<td></td>
<td>C.Y.</td>
</tr>
<tr>
<td>ROAD SUBGRADE DENSITY TESTS</td>
<td>1/1,000 S.Y.</td>
<td></td>
<td>S.Y.</td>
</tr>
<tr>
<td>TRENCH DENSITY TESTS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>STORM DRAINS / CULVERTS</td>
<td>2/200 L.F. OF TRENCH</td>
<td></td>
<td>L.F.</td>
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<tr>
<td>STORM DRAIN MANHOLES / INLET BOX</td>
<td>2/MANHOLE OR BOX</td>
<td></td>
<td>EACH</td>
</tr>
<tr>
<td>IRRIGATION LINE</td>
<td>2/200 L.F. OF TRENCH</td>
<td></td>
<td>L.F.</td>
</tr>
<tr>
<td>WATER LINE (INCLUDES F. H. &amp; SERVICE LATERALS)</td>
<td>2/200 L.F. OF TRENCH</td>
<td></td>
<td>L.F.</td>
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<tr>
<td>SEWER LINE (INCLUDE SERVICE LATERALS)</td>
<td>5/200 L.F. OF TRENCH</td>
<td></td>
<td>L.F.</td>
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<tr>
<td>SEWER MANHOLE</td>
<td>5/EACH MANHOLE</td>
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<td>EACH</td>
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<tr>
<td>VALVES</td>
<td>2/VALVE OR VALVE SET</td>
<td></td>
<td>EACH</td>
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<tr>
<td>UTILITY CONDUITS</td>
<td>2/200 L.F. OF TRENCH</td>
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<td>L.F.</td>
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<td>ROAD PIT RUN DENSITY TESTS</td>
<td>1/7,000 S.F.</td>
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<td>S.F.</td>
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<tr>
<td>ROAD PIT RUN THICKNESS TESTS</td>
<td>1/5,000 S.F.</td>
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<tr>
<td>ROAD BASE COURSE DENSITY TESTS</td>
<td>1/7,000 S.F.</td>
<td></td>
<td>S.F.</td>
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<tr>
<td>ROAD BASE THICKNESS TESTS</td>
<td>1/5,000 S.F.</td>
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<td>S.F.</td>
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<tr>
<td>CURB/GUTTER BASE DENSITY TESTS</td>
<td>1/300 L.F.</td>
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<td>L.F.</td>
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<tr>
<td>SIDEWALK BASE DENSITY TESTS</td>
<td>1/300 L.F.</td>
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<td>L.F.</td>
</tr>
<tr>
<td>ASPHALT EXTRACTION TESTS</td>
<td>1/500 TONS OR 1 PER DAY WHICHEVER IS MORE</td>
<td>TON</td>
<td></td>
</tr>
<tr>
<td>ASPHALT DENSITY TESTS</td>
<td>1/7,000 S.F.</td>
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<td>S.F.</td>
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<tr>
<td>ASPHALT THICKNESS TESTS</td>
<td>1/10,000 S.F.</td>
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<td>S.F.</td>
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<td>CONCRETE CYLINDER BREAKS</td>
<td>3/50 C.Y.</td>
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<td>C.Y.</td>
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<tr>
<td>CONCRETE AIR ENTRAINMENT</td>
<td>1 IF INITIAL TEST PASSES</td>
<td>LOADS</td>
<td></td>
</tr>
<tr>
<td>CONCRETE SLUMP TESTS</td>
<td>1 IF INITIAL TEST PASSES</td>
<td>LOADS</td>
<td></td>
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<tr>
<td>ROAD BASE GRADATION TEST</td>
<td>1/15,000 S.F.</td>
<td></td>
<td>S.F.</td>
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<tr>
<td>CURB &amp; GUTTER BASE COURSE GRAD.</td>
<td>1/2,000 L.F.</td>
<td></td>
<td>L.F.</td>
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<tr>
<td>CURB &amp; GUTTER THICKNESS TEST</td>
<td>1/200 L.F.</td>
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<td>L.F.</td>
</tr>
<tr>
<td>SIDEWALK THICKNESS TEST</td>
<td>1/200 L.F.</td>
<td></td>
<td>L.F.</td>
</tr>
</tbody>
</table>
WATER VALVE BOX DETAIL
N.T.S.

VALVE COLLAR DETAIL
N.T.S.

NOTES:
1. TOP OF VALVE BOX AND CONCRETE COLLAR TO BE 1/4" BELOW FINAL STREET GRADE.
2. IF TOP OF VALVE NUT IS MORE THAN 40" DEEP, THEN VALVE STEM EXTENSION IS REQUIRED. SEE VALVE STEM EXTENSION DETAIL W1.2.
NOTES:
1. TOP OF VALVE BOX AND CONCRETE COLLAR TO BE 1/4" BELOW FINAL STREET GRADE.

VALVE EXTENSION DETAIL
N.T.S.

TEMPORARY WATER LINE BLOW-OFF DETAIL
N.T.S.
NOTES:

1. TOP OF VALVE BOX AND CONCRETE COLLAR TO BE 1/4" BELOW FINAL STREET GRADE.
2. WATER LINES MAY BE BLOWN OFF THRU FIRE HYDRANTS.
3. FIRE HYDRANTS TO HAVE A MINIMUM 3' 0" BURY w/ EXTENSIONS AS REQUIRED.
4. FIRE HYDRANT SHALL BE 3" MIN. & 6" MAX. MEASURED ANYWHERE ON THE FLANGE TO THE TOP BACK OF SIDEWALK.
5. MECHANICAL JOINTS AT ALL FITTINGS (IE: BENDS, TEES, CROSSES & VALVES) SHALL HAVE THRUST BLOCKS.
6. MECHANICAL JOINTS AT ALL FITTINGS SHALL BE WRAPPED WITH TWO LAYERS OF 6mm POLYETHYLENE SO THAT ALL BOLTS, NUTS & CONNECTIONS ARE COVERED. POLYETHYLENE TO BE PULLED UP OVER BONNET OF VALVE TO COVER BOLTS. DUCT TAPE OR WIRE TO BE USED TO SECURE PLASTIC WRAPPING IN PLACE.
### NOTES:

1. **ALL FITTINGS & EXPOSED REBAR SHALL BE WRAPPED WITH TWO LAYERS OF 6 MIL. POLYETHYLENE SO THAT ALL BOLTS, NUTS & CONNECTIONS ARE COVERED. POLYETHYLENE TO BE PULLED UP OVER BONNET OF VALVE TO COVER BOLTS. DUCT TAPE OR WIRE TO BE USED TO SECURE PLASTIC WRAPPING IN PLACE.**

2. **ALL CONCRETE SHALL BE CLASS C 3000 P.S.I. MINIMUM 28 DAYS COMpressive STRENGTH.**

3. **PLACE CONCRETE AGAINST UNDISTURBED EARTH.**

4. **TABLE DENOTES MINIMUM BEARING AREA OR VOLUME OF THRUST BLOCK. SPECIAL DESIGN FOR EACH INSTALLATION IS REQUIRED IF ALLOWABLE SOIL BEARING CAPACITY IS LESS THAN 3000 P.S.F.**

5. **VERTICAL SURFACES NOT BEARING AGAINST UNDISTURBED EARTH SHALL BE FORMED.**

6. **KEEP CONCRETE AWAY FROM FLANGE BOLTS AND FITTINGS.**

7. **90° ELBOWS IN WATER MAINS ARE ONLY ALLOWED AS APPROVED BY THE WATER SUPERINTENDENT.**

8. **THRUST BLOCK BEARING AREA BASED ON LARGEST PIPE I.D. THAT THRUST BLOCK IS SUPPORTING.**

9. **MECHANICAL JOINTS AT ALL FITTINGS (IE: BENDS, TEES, CROSSES & VALVES) SHALL HAVE THRUST BLOCKS.**

<table>
<thead>
<tr>
<th>PIPE I.D.</th>
<th>BEARING AREA, SQUARE FEET</th>
<th>VOLUME OF CONC. CU.YD.</th>
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<tr>
<td></td>
<td>FIGURE 1</td>
<td>FIGURE 2</td>
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<tr>
<td>4&quot;</td>
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</tr>
<tr>
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<td>24</td>
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<tr>
<td>20&quot;</td>
<td>5</td>
<td>28</td>
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**ENOC C\_TY**

**THRUST BLOCKS**

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**DETAIL No.: W3.0**

**SCALE: N.T.S.**

**DATE: DEC. 2022**

**900 E MIDVALLEY RD**

Enoch, UT 84721

Tel. (435) 586-1119

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6" PRESSURE REDUCING VALVE w/ 2" BYPASS

 serviceProvider: ENOCH CITY
serviceAddress: 900 E Mdalley RD
serviceCity: Enoch
serviceState: UT
servicePostalCode: 84721
servicePhone: (435) 586-1119
serviceDate: DEC. 2022
serviceScale: N.T.S.
serviceDetailNumber: W4.0A

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<th>NO.</th>
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<tr>
<td>A</td>
<td>MANHOLE RING AND COVER (RIBLESS)</td>
<td>D&amp;L A-1180 O.A.E.</td>
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<tr>
<td>B</td>
<td>4&quot; O SQUARE x 8&quot; THICK CONCRETE COLLAR w/ 40&quot; SQUARE #4 BARS &amp; FIBERS</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>3&quot; ASPHALT MAT</td>
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</tr>
<tr>
<td>D</td>
<td>8&quot; COMPACTED UNTREATED BASE</td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>GRADE RING(S)</td>
<td>MUST BE SEALED</td>
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<td>F</td>
<td>MANHOLE STEP (M.A. INDUSTRIES INC. O.A.E.)</td>
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<tr>
<td>G</td>
<td>CONCRETE VAULT TOP</td>
<td>AMCOR UV6127T O.A.E.</td>
</tr>
<tr>
<td>H</td>
<td>9&quot;x18&quot; FOOTING w/ (3) #4 BARS</td>
<td></td>
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<tr>
<td>I</td>
<td>4&quot; THICK DRAIN GRAVEL</td>
<td></td>
</tr>
<tr>
<td>J</td>
<td>(4) LEVELING JACKS (LENGTH VARIES)</td>
<td>SLIDEWINDER PART #23535 BY BARKER MANUF. CO.</td>
</tr>
<tr>
<td>K</td>
<td>X&quot; M.J. X FLANGE ADAPTOR</td>
<td>CEMENT LINED</td>
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<tr>
<td>L</td>
<td>X&quot;x6&quot; FLANGED REDUCER (IF REQ'D)</td>
<td>CEMENT LINED</td>
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<tr>
<td>M</td>
<td>6&quot; FLANGED STEEL SPOOL WITH 2&quot; OUTLET</td>
<td>EPOXY COATED AND LINED</td>
</tr>
<tr>
<td>N</td>
<td>2&quot; GATE VALVE WITH HANDWHEEL</td>
<td></td>
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<tr>
<td>O</td>
<td>6&quot; GATE VALVE WITH HANDWHEEL</td>
<td>NON-RISING STEM</td>
</tr>
<tr>
<td>P</td>
<td>6&quot; PRESSURE REDUCING VALVE</td>
<td>AWWA APPROVED (WATTS, O.A.E.)</td>
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<tr>
<td>Q</td>
<td>2&quot; K-COPPER PIPE AND FITTINGS AS SHOWN</td>
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<tr>
<td>R</td>
<td>2&quot; PRESSURE REDUCING VALVE</td>
<td>AWWA APPROVED (WATTS, O.A.E.)</td>
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<tr>
<td>S</td>
<td>3/4&quot; TAPS w/ PRESSURE GUAGE</td>
<td>2½&quot;, 0-300 PSI, GLYCERIN FILLED</td>
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<tr>
<td>T</td>
<td>12&quot;x12&quot;x2&quot; CONCRETE BLOCK</td>
<td></td>
</tr>
<tr>
<td>U</td>
<td>BLOW-OFF PRV</td>
<td>AWWA APPROVED (WATTS, O.A.E.)</td>
</tr>
<tr>
<td>V</td>
<td>3&quot; GATE VALVE w/ HANDWHEEL</td>
<td></td>
</tr>
</tbody>
</table>

**NOTES:**

1. UNLESS OTHERWISE SHOWN, ALL MATERIALS PER ENOCH CITY ENGINEERING STANDARDS.
2. CONCRETE VAULT LENGTH AND WIDTH SHALL BE SUFFICIENT TO CONTAIN ALL FITTINGS AND MAINTAIN OPERATING CLEARANCE FROM WALLS.
3. VAULTS ARE DESIGNED TO MEET ASTM C858 WITH AASHTO HS-20 LOADING.
4. ALL PIPE MATERIALS AND FITTINGS MUST BE RATED FOR WATER SYSTEM PRESSURE.
1" WATER METER

**EPOCH CITY**
900 E MIDVALLEY RD
Enoch, UT 84721
Tel. (435) 586-1119

Copyright © 2023

**SCALE:**
N.T.S.

**DETAIL No.:**
W5.1A

**DATE:**
MAY 2023

**SHEET:**
1 of 2

<table>
<thead>
<tr>
<th>METER SIZE</th>
<th>BOX DIAMETER</th>
<th>BOX COLOR</th>
<th>D&amp;L RING &amp; COVER, OAE</th>
<th>FORD SETTER, OAE</th>
<th>CURB STOP</th>
<th>SERVICE BOX</th>
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<tr>
<td>1&quot;</td>
<td>18&quot;</td>
<td>WHITE</td>
<td>L-2241 (SEE NOTE 6)</td>
<td>VBHC 74-18W-44-44-G or Q</td>
<td>FORD MODEL B11-444 (O.A.E.)</td>
<td>FORD-E2 40-40-3GR (O.A.E.)</td>
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**Diagram Notes:**
- Generally, water meter shall be placed in center of lot behind sidewalk (not in driveway or sidewalk) except on twin home lots. (See Notes 2 & 3)
- Stop & Waste w/ PVC sleeve extended 18" above grade w/ cap.
- 6" Connector Nipple - Brass or Stainless Steel
- Cast iron meter ring and lid no holes in lid (see table)
- Curb stop & service box (see table)
- Fences installed around meter
- 6" Connector Nipple - Brass or Stainless Steel
- Property line
- 1" Min. PVC (Tuff tube) lateral from main (see Notes 1 & 2) (2" Min. for twin home lots)
- 15' on high side of road (typ.)
- Distance varies
- Pipe joint 3' min.
NOTES:

1. ¾" LATERAL ALLOWED ONLY BY APPROVAL OF THE CITY.
2. ON TOWN HOME LOTS THE WATER METERS SHALL BE PLACED 10' FROM EACH SIDE OF LOT LINE.
3. ON INDUSTRIAL ZONED ROADS WHERE SIDEWALKS ARE NOT REQUIRED OR INSTALLED THE WATER METERS SHALL BE INSTALLED BEHIND THE CURB & GUTTER.
4. METER BOX HDG A.D.S. N-12 (O.A.E.) CORRUGATED POLYETHYLENE PIPE CORRUGATED EXTERIOR/ SMOOTH INTERIOR (SEE TABLE). BOX TO BE A CONTINUOUS PIECE OF PIPE WITH NO EXTENSIONS.
5. STOP & WASTE NOT REQUIRED TO BE INSTALLED IF SECONDARY WATER IS AVAILABLE.
6. USE D&L B-5018 FOR METER LIDS THAT WILL BE INSET IN CONCRETE.

ENOC CITY
900 E MIDVALLEY RD
Enoch, UT 84721
Tel. (435) 586-1119

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1" WATER METER

SCALE: N.T.S.
DATE: MAY 2023
sheet: 2 of 2

W5.1B
generally water meter shall be placed in center of lot behind sidewalk (not in driveway or sidewalk) except on twin home lots. (see notes 2 & 3)

1 1/2'' MIN. PVC (TUFF TUBE) LATERAL FROM MAIN (SEE NOTES 1 & 2)
(2'' MIN. FOR TWIN HOME LOTS)
NOTES:

1. 3/4" LATERAL ALLOWED ONLY BY APPROVAL OF THE CITY.
2. ON TWIN HOME LOTS THE WATER METERS SHALL BE PLACED 10' FROM EACH SIDE OF LOT LINE.
3. ON INDUSTRIAL ZONED ROADS WHERE SIDEWALKS ARE NOT REQUIRED OR INSTALLED THE WATER METERS SHALL BE INSTALLED BEHIND THE CURB & GUTTER.
4. METER BOX HDPE A.D.S. N-12 (O.A.E.) CORRUGATED POLYETHYLENE PIPE CORRUGATED EXTERIOR/ SMOOTH INTERIOR (SEE TABLE). BOX TO BE A CONTINUOUS PIECE OF PIPE WITH NO EXTENSIONS.
5. STOP & WASTE NOT REQUIRED TO BE INSTALLED IF SECONDARY WATER IS AVAILABLE.
6. USE D & L B-5020 FOR METER BARRELS THAT WILL BE INSET IN CONCRETE.

SECTION N.T.S.
The document is a technical drawing and text related to the installation of a 2" water meter. The text is not fully legible, but it appears to describe the placement of meters, the materials to be used, and the required distances from property lines and other structures.

Key points include:
- The water meter is to be placed in the center of the lot behind the sidewalk, except on twin home lots, as per Notes 2 & 3.
- The meter should be 18" above grade with a sleeve.
- A 6" connector nipple is required, either brass or stainless steel.
- Cast iron meter rings and lids with no holes in the lid are specified.
- Curb stop and service box requirements are detailed.

The drawing includes various labeled parts such as "PROPERTY LINE," "PROPERTY OWNER," "PEX or PVC," "STOP & WASTE w/ PVC SLEEVE," "ABOVE GRADE w/ CAP," "6" CONNECTOR NIPPLE - BRASS or STAINLESS STEEL," "CAST IRON METER RING AND LID NO HOLES IN LID (SEE TABLE)," "FENCES INSTALLED AROUND METER," "CURB STOP & SERVICE BOX (SEE TABLE)," "FENDERS INSTALLED AROUND METER," "15" ON HIGH SIDE OF ROAD (TYP.)," "DISTANCE VARIES," "12" (SEE ROAD RIGHT-OF-WAY SECTION)," "C&G," "WATER MAIN," "PIPE JOINT," and "3" MIN."
NOTES:

1. ¾" LATERAL ALLOWED ONLY BY APPROVAL OF THE CITY.
2. ON TWIN HOME LOTS THE WATER METERS SHALL BE PLACED 10' FROM EACH SIDE OF LOT LINE.
3. ON INDUSTRIAL ZONED ROADS WHERE SIDEWALKS ARE NOT REQUIRED OR INSTALLED THE WATER METERS SHALL BE INSTALLED BEHIND THE CURB & GUTTER.
4. METER BOX HDPE A.D.S. N-12 (O.A.E.) CORRUGATED POLYETHYLENE PIPE CORRUGATED EXTERIOR/ SMOOTH INTERIOR (SEE TABLE). BOX TO BE A CONTINUOUS PIECE OF PIPE WITH NO EXTENSIONS.
5. STOP & WASTE NOT REQUIRED TO BE INSTALLED IF SECONDARY WATER IS AVAILABLE.
6. USE D&L B-5024 FOR METER BARRELS THAT WILL BE INSET IN CONCRETE.
# LEGEND

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<tr>
<td>A</td>
<td>MANHOLE RING AND COVER (RIBLESS)</td>
<td>D&amp;L A-1180 O.A.E.</td>
</tr>
<tr>
<td>B</td>
<td>40” SQUARE x 8” THICK CONCRETE COLLAR</td>
<td>w/ 40” SQUARE #4 BARS &amp; FIBERS</td>
</tr>
<tr>
<td>C</td>
<td>NOT USED</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>NOT USED</td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>GRADE RING(S)</td>
<td>MUST BE SEALED</td>
</tr>
<tr>
<td>F</td>
<td>MANHOLE STEP</td>
<td>(M.A. INDUSTRIES INC. O.A.E.)</td>
</tr>
<tr>
<td>G</td>
<td>CONCRETE VAULT TOP</td>
<td>AMCOR UV6127T O.A.E.</td>
</tr>
<tr>
<td>H</td>
<td>9”x18” FOOTING w/ (3) #4 BARS</td>
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</tr>
<tr>
<td>I</td>
<td>4” THICK DRAIN GRAVEL</td>
<td></td>
</tr>
<tr>
<td>J</td>
<td>(5) LEVELING JACKS (LENGTH VARIES)</td>
<td>SLIDEWINDER PART #23535 BY BARKER MANUF. CO.</td>
</tr>
<tr>
<td>K</td>
<td>6” MIN. FLANGE ADAPTOR</td>
<td>CEMENT LINED</td>
</tr>
<tr>
<td>L</td>
<td>GATE VALVE WITH HANDWHEEL</td>
<td>NON-RISING STEM</td>
</tr>
<tr>
<td>M</td>
<td>FLOW METER (PURCHASED FROM CITY)</td>
<td>MACH 10</td>
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<tr>
<td>N</td>
<td>PRESSURE REDUCING VALVE (IF REQ’D)</td>
<td>AWWA APPROVED</td>
</tr>
<tr>
<td>O</td>
<td>DOUBLE CHECK DETECTOR VALVE (DCDA)</td>
<td>AWWA APPROVED</td>
</tr>
<tr>
<td>P</td>
<td>DUCTILE IRON PIPE or COPPER PIPE</td>
<td>CEMENT LINED OR COPPER</td>
</tr>
<tr>
<td>Q</td>
<td>GATE VALVE WITH BOX</td>
<td>SEE STANDARD DETAIL W1.0</td>
</tr>
<tr>
<td>R</td>
<td>FIRE LOOP or CITY WATER MAIN</td>
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<tr>
<td>S</td>
<td>FLANGED SPOOL 12” LONG</td>
<td></td>
</tr>
<tr>
<td>T</td>
<td>1½” PIPE TAP WITH GATE VALVE AND 4” NIPPLE</td>
<td></td>
</tr>
<tr>
<td>U</td>
<td>18” DIA. HDPE PIPE</td>
<td>PER PIPE SPEC</td>
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<tr>
<td>V</td>
<td>RING &amp; LID w/ 2” PUNCHOUT</td>
<td>D&amp;L-2241 O.A.E.</td>
</tr>
<tr>
<td>W</td>
<td>30”x30”x8” THICK CONCRETE COLLAR</td>
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<tr>
<td>X</td>
<td>12”x12”x2” CONCRETE BLOCK</td>
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<tr>
<td>Y</td>
<td>BACKFLOW ASSEMBLY VALVE</td>
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<td>Z</td>
<td>STRAINER (IF REQUIRED)</td>
<td>PURCHASED FROM CITY</td>
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<tr>
<td>AA</td>
<td>DUCTILE IRON PIPE or COPPER PIPE (TO 10’0” OUTSIDE OF VAULT)</td>
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</tr>
</tbody>
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**NOTES:**

1. UNLESS OTHERWISE SHOWN ALL MATERIALS PER ENOCH CITY ENGINEERING STANDARDS.
2. CONCRETE VAULT LENGTH & WIDTH SHALL BE SUFFICIENT TO CONTAIN ALL FITTINGS AND MAINTAIN INDICATED CLEARANCE FROM WALLS.
3. WATER METER LIDS & COVERS SHALL ONLY BE INSTALLED IN LANDSCAPED AREAS UNLESS APPROVED BY WATER SUPERINTENDENT.
4. NOT ALLOWED ON PRIVATE SYSTEMS WITH FIRE HYDRANTS.
5. VAULTS ARE DESIGNED TO MEET ASTM C858 WITH AASHTO HS-20 LOADING.
6. PRV IS REQUIRED FOR 80 PSI PRESSURE OR GREATER.
7. STRAINER IS REQUIRED IF A PRV IS REQUIRED.
8. ALL PIPE MATERIALS AND FITTINGS MUST BE RATED FOR WATER SYSTEM PRESSURE.
9. ONLY NFPA 13R FIRE SPRINKLER SYSTEMS ARE ALLOWED WITH THIS DETAIL.
10. FIRE SPRINKLER SYSTEMS SHOULD BE DESIGNED ACCORDING TO REDUCED PRESSURE WHEN USING A PRV IN THE VAULT.
# LEGEND

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</tr>
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<td>B</td>
<td>4&quot; SQUARE x 8&quot; THICK CONCRETE COLLAR</td>
<td>w/ 40&quot; SQUARE #4 BARS &amp; FIBERS</td>
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<tr>
<td>C</td>
<td>PIPE MATERIAL PER PLUMBING CODE</td>
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<tr>
<td>D</td>
<td>NOT USED</td>
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<tr>
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<td>(M.A. INDUSTRIES INC. O.A.E.)</td>
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<td>CONCRETE VAULT TOP</td>
<td>AMCOR UV6127T O.A.E.</td>
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<td>9&quot;x18&quot; FOOTING w/ (3) #4 BARS</td>
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<tr>
<td>I</td>
<td>4&quot; THICK DRAIN GRAVEL</td>
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<tr>
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<td>(2) LEVELING JACKS (LENGTH VARIES)</td>
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## NOTES:
1. UNLESS OTHERWISE SHOWN ALL MATERIALS PER ENOCH CITY ENGINEERING STANDARDS.
2. CONCRETE VAULT LENGTH & WIDTH SHALL BE SUFFICIENT TO CONTAIN ALL FITTINGS AND MAINTAIN INDICATED CLEARANCE FROM WALLS.
3. WATER METER LIDS & COVERS SHALL ONLY BE INSTALLED IN LANDSCAPED AREAS UNLESS APPROVED BY WATER SUPERINTENDENT.
4. NOT ALLOWED ON PRIVATE SYSTEMS WITH FIRE HYDRANTS.
5. VAULTS ARE DESIGNED TO MEET ASTM C856 WITH AASHTO HS-20 LOADING.
6. PRV IS REQUIRED FOR 80 PSI PRESSURE OR GREATER.
7. STRAINER IS REQUIRED IF A PRV IS REQUIRED.
8. ALL PIPE MATERIALS AND FITTINGS MUST BE RATED FOR WATER SYSTEM PRESSURE.
9. ONLY NFPA 13R FIRE SPRINKLER SYSTEMS ARE ALLOWED WITH THIS DETAIL.
10. FIRE SPRINKLER SYSTEMS SHOULD BE DESIGNED ACCORDING TO REDUCED PRESSURE WHEN USING A PRV IN THE VAULT.

---

ENOCH CITY  
900 E MDCVALLEY RD  
Enoch, UT 84721  
Tel. (435) 586-1119

WATER METER w/ FIRE FLOW (COMBINED CULINARY & FIRE HYDRANT FLOWS)  
SCALE: N.T.S.  
DATE: DEC. 2022  
Sheet: 2 of 2  
DETAIL No.: W6.0B
**LEGEND**

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<td>MANHOLE STEP</td>
<td>(M.A. INDUSTRIES INC. 0.A.E.)</td>
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<td>I</td>
<td>4&quot; THICK DRAIN GRAVEL</td>
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<td>P</td>
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<td>PIPE MATERIAL TO BUILDING PER PLUMBING CODE</td>
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<tr>
<td>T</td>
<td>DUCTILE IRON PIPE (TO 10' OUTSIDE OF VAULT)</td>
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</tbody>
</table>

**NOTES:**

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2. CONCRETE VAULT LENGTH & WIDTH SHALL BE SUFFICIENT TO CONTAIN ALL FITTINGS AND MAINTAIN INDICATED CLEARANCE FROM WALLS.
3. WATER METER LIDS & COVERS SHALL ONLY BE INSTALLED IN LANDSCAPED AREAS UNLESS APPROVED BY WATER SUPERINTENDENT.
4. VAULTS ARE DESIGNED TO MEET ASTM C858 WITH AASHTO HS-20 LOADING.
5. NO CULINARY WATER CONNECTION TO FIRE SPRINKLER SUPPLY LINES.
6. ALL PIPE MATERIALS AND FITTINGS MUST BE RATED FOR WATER SYSTEM PRESSURE.
MEGA-LUG THRUST RESTRAINTS REQUIRED
1" CLEARANCES (TYP.)

12" MIN.
12" MIN.
12" MIN.

VARES (SEE NOTE 2)

PLAN
N.T.S.

MEGA-LUG THRUST
RESTRAINTS REQUIRED

SEE NOTE 3

12" MAX.
30"

15" MIN.
1/4" (TYP.)

CENTERED IN BOX

ELEVATION
N.T.S.

MEGA-LUG THRUST
RESTRAINTS REQUIRED

BACKFILL ALL AROUND

ENOC CITY
900 E MDVALLEY RD
Enoch, UT 84721
Tel. (435) 586-1119

IRRIGATION METER

SCALE: N.T.S.
DATE: DEC. 2022
DETAIL No.: W8.0A

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<tr>
<td>D</td>
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<td>MANHOLE STEP (M.A. INDUSTRIES INC. O.A.E.)</td>
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</tr>
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<td>DUCTILE IRON PIPE (TO 10' OUTSIDE OF VAULT)</td>
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</tr>
<tr>
<td>Q</td>
<td>GATE VALVE WITH BOX</td>
<td>SEE STANDARD DETAIL W1.0</td>
</tr>
<tr>
<td>R</td>
<td>IRRIGATION MAIN</td>
<td></td>
</tr>
<tr>
<td>S</td>
<td>FLANGED SPOOL 12&quot; LONG</td>
<td></td>
</tr>
<tr>
<td>T</td>
<td>PIPE TAP (SIZE VARIES) w/ GATE VALVE &amp; 4&quot; NIPPLE</td>
<td></td>
</tr>
<tr>
<td>U</td>
<td>18&quot; DIA. HDPE PIPE</td>
<td>PER PIPE SPEC.</td>
</tr>
<tr>
<td>V</td>
<td>RING &amp; LID w/ 2&quot; PUNCHOUT</td>
<td>D&amp;L-2241 O.A.E.</td>
</tr>
<tr>
<td>W</td>
<td>30&quot;x30&quot;x8&quot; THICK CONCRETE COLLAR</td>
<td></td>
</tr>
<tr>
<td>X</td>
<td>12&quot;x12&quot;x2&quot; CONCRETE BLOCK</td>
<td></td>
</tr>
<tr>
<td>Y</td>
<td>STRAINER (IF REQUIRED)</td>
<td>PURCHASED FROM CITY</td>
</tr>
<tr>
<td>Z</td>
<td>DUCTILE IRON PIPE (TO 10' OUTSIDE OF VAULT)</td>
<td></td>
</tr>
</tbody>
</table>

**NOTES:**

1. UNLESS OTHERWISE SHOWN ALL MATERIALS PER ENOCH CITY ENGINEERING STANDARDS.
2. CONCRETE VAULT LENGTH & WIDTH SHALL BE SUFFICIENT TO CONTAIN ALL FITTINGS AND MAINTAIN INDICATED CLEARANCE FROM WALLS.
3. WATER METER LIDS & COVERS SHALL ONLY BE INSTALLED IN LANDSCAPED AREAS UNLESS APPROVED BY WATER SUPERINTENDENT.
4. VAULTS ARE DESIGNED TO MEET ASTM C858 WITH AASHTO HS-20 LOADING.
5. PRV IS REQUIRED FOR 80 PSI PRESSURE OR GREATER.
6. STRAINER IS REQUIRED IF A PRV IS REQUIRED.
7. ALL PIPE MATERIALS AND FITTINGS MUST BE RATED FOR WATER SYSTEM PRESSURE.
CUT-IN TEE CONNECTION

NEW VALVE (SEE PLAN FOR SIZE & TYPE)

NEW WATER LINE (SEE WATER SYSTEM PLAN FOR LINE SIZES)

EXISTING WATER LINE (SEE WATER SYSTEM PLAN FOR LINE SIZES)

MJ x MJ SOLID SLEEVE (IF NEEDED)

SPOOL/DONUT LENGTH AS REQUIRED

CONCRETE THRUST BLOCK PER DETAIL W3.0

MJ x MJ x FL TEE (SEE PLAN FOR SIZES)

NEW VALVE (SEE PLAN FOR SIZE & TYPE)

TAPPED CONNECTION

NEW VALVE (SEE PLAN FOR SIZE & TYPE)

TAPPING SLEEVE

CONCRETE THRUST BLOCK PER DETAIL W3.0

NEW WATER LINE MUST BE SMALLER THAN EXISTING WATER LINE

EXISTING WATER LINE (SEE WATER SYSTEM PLAN FOR LINE SIZES)

NOTES:

1. MECHANICAL JOINTS AT ALL FITTINGS SHALL BE WRAPPED WITH TWO LAYERS OF 6mm POLYETHYLENE SO THAT ALL BOLTS, NUTS & CONNECTIONS ARE COVERED. POLYETHYLENE TO BE PULLED UP OVER BONNET OF VALVE TO COVER BOLTS. DUCT TAPE OR WIRE TO BE USED TO SECURE PLASTIC WRAPPING IN PLACE.
D&L SUPPLY B-5074 w/ AIR HOLES

8" THICK CONCRETE COLLAR, 36"x36"

2" COPPER TYPE K PIPE 180° ELBOW

#14 STAINLESS STEEL MESH SCREEN REQUIRED

2" COMBINATION AIR VALVE (APCO #145C or EQUAL)

24" WHITE HDPE A.D.S. N-12 (O.A.E.) CORRUGATED POLYETHYLENE PIPE (CORRUGATED EXTERIOR/SMOOTH INTERIOR)

WATER MAIN

PEA GRAVEL or ROCK 4" MAX.

COMBINATION AIR VALVE DETAIL OUTSIDE ROADWAY

N.T.S.

ENOCHE CITY
900 E MDVALLEY RD
Enoch, UT 84721
Tel. (435) 586-1119

COMBINATION AIR VALVE DETAIL OUTSIDE ROADWAY

SCALE: N.T.S.
DATE: DEC. 2022

DETAIL No.: W10.1

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1 of 1
COMBINATION AIR VALVE DETAIL IN ROADWAY

NOTES:
1. MANHOLES IN ROADWAYS REQUIRE CONCRETE COLLAR. IN UNIMPROVED AREAS, THE TOP OF LID SHALL BE SET 6” TO 12” ABOVE FINISH GRADE (NO CONCRETE COLLAR REQUIRED).
2. MANHOLE LID, RING, AND CONCRETE COLLAR TO BE CENTERED ON MANHOLE OPENING AND SET 1/2” BELOW TOP OF ASPHALT.
3. MANHOLE VAULT MUST BE DESIGNED TO MEET AASHTO HS-20 LOADING.
NOTES:

1. STATION SHALL BE MODEL #88--SS AS MANUFACTURED BY KUPFERLE FOUNDRY, ST. LOUIS, MO, 63102 or APPROVED EQUAL.
2. WHEN INSTALLED ON A CONCRETE SLAB FOLLOW MANUFACTURER’S GUIDELINES AND SPECS.
3. WHEN INSTALLED IN CORROSIVE SOILS, FOLLOW MANUFACTURER’S GUIDELINES AND SPECS TO PROTECT THE PIPE & FITTINGS.
4. SAMPLING STATION TO BE LOCATED AT THE MIDDLE OF SUBDIVISION OR AT THE PROPERTY LINE.