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DRAWING INDEX

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STORM WATER MANAGEMENT	
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NOTES	
1) All Concrete shall be class 4000 with a minimum of 1.5 lbs/C.Y. fiber reinforcement. Contractor shall provide the following written submittals prior to inspection: <ul style="list-style-type: none"> a) Mix Design b) Curing & Protection Plan (ISPWC 703.3.5) c) Post pour Cure Sealing Compound Type & application plan 	
2) Prefabricated base required unless otherwise approved by City. Fiberglass dustpan required on all manholes that are not on paved streets. WhirlyGIG form required between manhole cone and Cast Iron Frame with 12" max height.	

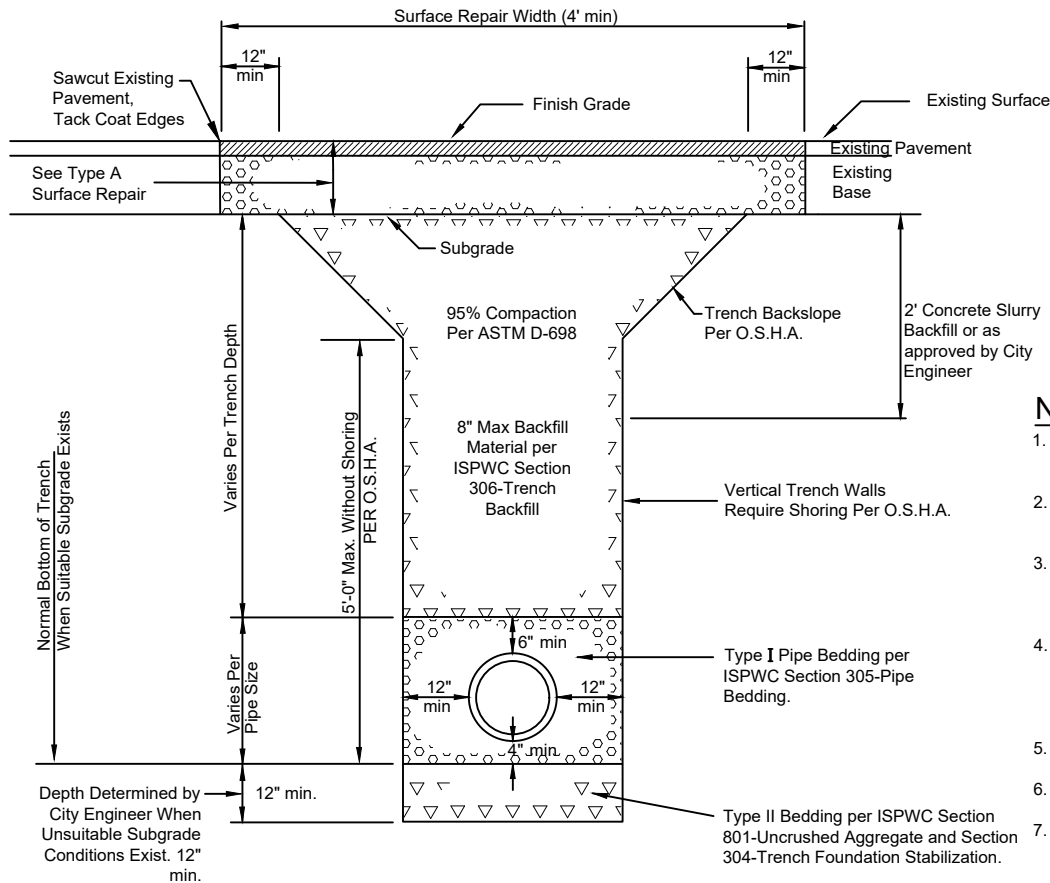
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2020 CITY OF HAILEY
STANDARD DRAWINGS

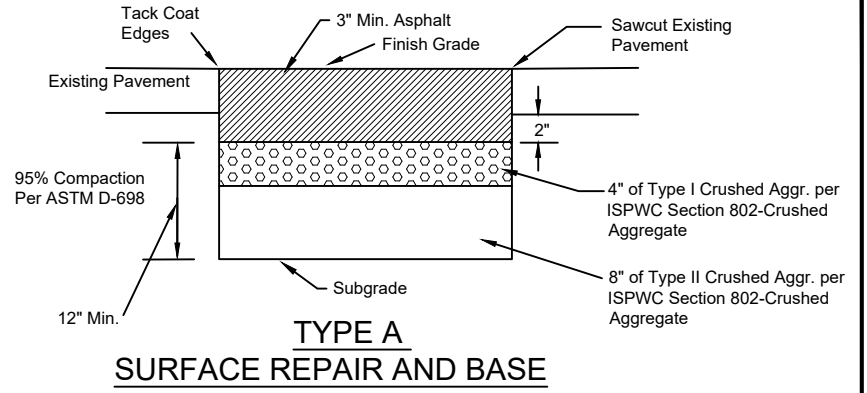
INDEX SHEET

18.14.000.0

DRAWING NO.



**EXISTING STREET
TYPICAL TRENCH SECTION**
N.T.S.



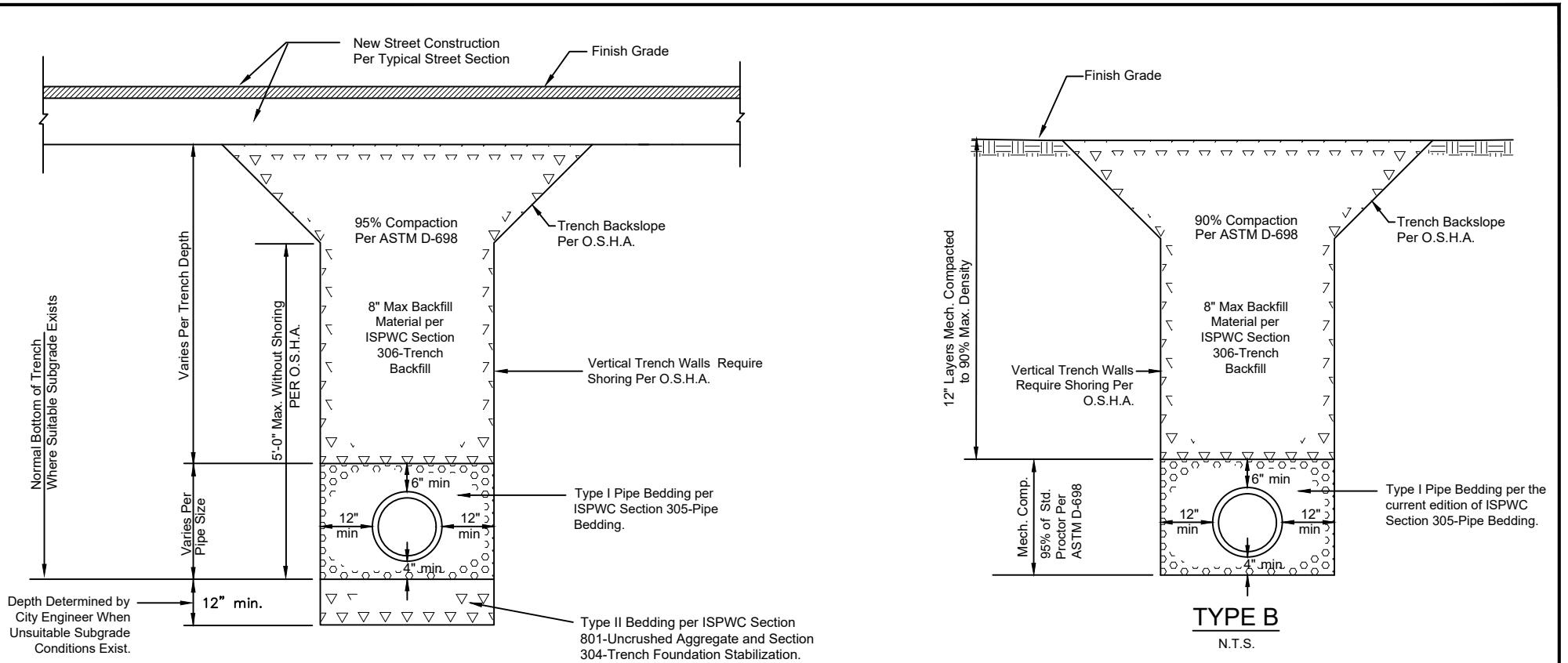
**TYPE A
SURFACE REPAIR AND BASE**
N.T.S.

NOTES

- Type I Pipe Bedding material shall meet the requirements of the current edition of the ISPWC Standards-Section 305-Pipe Bedding.
- Type II Pipe Bedding material shall meet the requirements of the current edition of the ISPWC Standards-Section 305-Pipe Bedding.
- Where 25% or more of any portion of the surface area of any pavement has been damaged within the project limits, full width restoration shall be required. Any strip of remaining pavement less than 2 feet in width along curb and gutter or pavement edge shall be removed and replaced.
- Native materials may be used for backfill unless, in the sole opinion of the City Engineer, the native material is found to be unstable. Then 8 inch minus aggregate, which meets the requirements of the current edition of the ISPWC Standards-Section 801-Uncrushed Aggregate or crushed aggregate, which meets the requirements of the current edition of the ISPWC Standards-Section 802-Crushed Aggregate, will be required as backfill.
- The completed patch shall not deviate from existing surface more than .02 ft/10 ft in any direction.
- The completed patch shall not pond water in excess of .02 feet in depth.
- Surface repair in gravel shoulder areas within 3 feet of pavement edge shall be 3 inch depth of Type I crushed aggregate per the current edition of the ISPWC Standards-Section 802-Crushed Aggregate.
- Contractor shall be responsible for maintenance of street repair for one year after installation. PUC regulated utilities shall be responsible for a period of three years.
- All utility crossings, including but not limited to power, telephone, cable TV, gas, and water services, which cross existing paved roads shall be constructed by horizontal boring. Open cuts across paved roadways will only be allowed after a minimum of three failed attempts with approved boring tools. When utility mains are located under existing pavement, open cuts will be allowed and boring is not required. If in the judgment of the City Engineer, boring may be detrimental to the health, safety, or welfare of the public, boring will not be required and trenching will be allowed. A six foot trench, two feet deeper than the proposed utility shall be excavated adjacent to the edge of pavement for evaluation of soil conditions by the City Engineer to determine if boring shall be attempted or if trenching will be allowed.
- All trenches shall be repaved within 72 hours of starting the work unless prior approval to delay repaving has been provided by the City Engineer.
- Concrete Slurry Mix Design

Coarse Aggregate (3/8" minus)	2,600 lbs
Sand	800 lbs
Cement	94 lbs (max)
Water	11 gals (max)

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			DRAWING NO.



TYPE A
N.T.S.

TYPE B
N.T.S.

TYPICAL TRENCH SECTIONS

NOTES

1. Type I Pipe Bedding material shall meet the requirements of the current edition of the ISPWC Standards-Section 305-Pipe Bedding.
2. Type II Pipe Bedding material shall meet the requirements of the current edition of the ISPWC Standards-Section 305-Pipe Bedding.
3. Native materials may be used for backfill unless, in the sole opinion of the City Engineer, the native material is found to be unsuitable; then either 8-inch minus uncrushed aggregate per the current edition of the ISPWC Standards-Section 801-Uncrushed Aggregate or Type I or II crushed aggregate per the current edition of the ISPWC Standards-Section 802-Crushed Aggregate will be required as backfill.
4. All work in public traffic ways is subject to approval by the City Engineer. He shall be notified one day before any excavation is started. No backfill shall be placed until the backfill material has been approved by the City Engineer.
5. Type A Trench Section shall be used when crossing a public or private road, street or driveway section. A road, street or driveway section is defined as the area under an existing asphalt or gravel surface or curb and sidewalk, plus (4') four feet beyond each edge.
6. Type B Trench Section shall be used outside of any Type A, where new streets are not planned.
7. Rock shall be excavated to at least standard trench width per the current edition of the ISPWC Standards-Section 302-Rock Excavation.

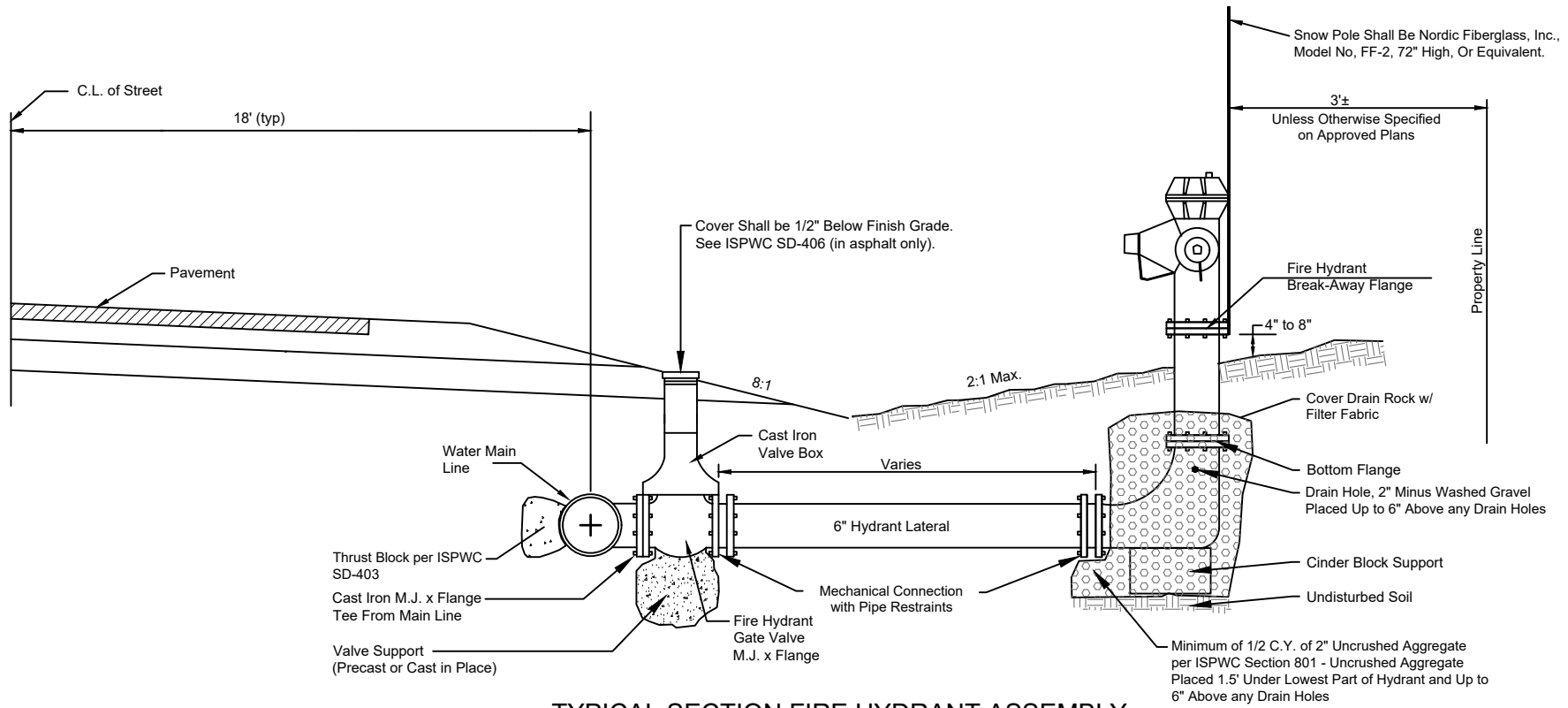
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NEW DEVELOPMENT
TYPICAL TRENCH SECTION

18.14.010.A.2

DRAWING NO.



**TYPICAL SECTION FIRE HYDRANT ASSEMBLY
RESIDENTIAL STREET OPTION 1**

N.T.S.

NOTES

1. Hydrants shall have a 6' foot bury.
2. Hydrants shall be 5 1/4" Waterous Pacer Model WB-67U-250 or Mueller Super Centurion 250 and conform to the following:
 - 2 ea.. 2-1/2" NST threaded nozzles
 - 1 ea.. 4-1/2" NST threaded nozzles
 - Dry Barrel type 6" barrel
 - Red in color
 - Traffic "breakaway" design
 - 250 PSI rated
 - UL Listed
 - Main valve size 5-1/4"
3. Mechanical Restraints shall be used. Restraints shall be Romac Industries RomaGrip or approved equivalent. No lug or set screw type restraints are to be used on PVC pipe.
4. City shall approve location and elevation of all Fire Hydrants. Fire Hydrants shall be located at street intersections and at a minimum spacing of 500 feet in residential zones and 450 feet in business and industrial zones. No obstructions shall be placed within 3 feet of the back and 15 feet of the sides and front of Fire Hydrants.
5. Auxiliary Gate Valve shall meet AWWA C509 (Total rubber encapsulated, resilient seat, waterous series or approved equal).
6. Valve Box shall be Tyler 664A or approved equal.
7. Hydrant break away flange elevation equal to street centerline or 4" to 8" above finished grade as approved.
8. Fire hydrant assemblies located on the opposite side of the roadway from the watermain shall have 2" Dow Board installed over the pipeline leading to the hydrant. The Dow Board shall extend from auxiliary gate valve to the hydrant.

HYDRANT VEHICULAR PROTECTION

Fire hydrants which may be exposed to vehicular damage or obstruction shall have an approved array of bollards or guard post installed to protect them from damage and maintain the minimum distance required for proper operation.

When they are installed, they shall be:

- Constructed of steel not less than (4) inches in diameter and concrete filled.
- Spaced not more than four (4) feet between posts on center.
- Set not less than three (3) feet deep in a concrete footing not less than (15) inches in diameter.
- Set with the top of the posts not less than (3) feet above the ground.
- The post shall be painted bright red, reflective markings are recommended.
- Located at least three feet from any portion of the hydrant and located so as not to create an obstruction to its use.

Idaho Code 49-660: Stopping, Standing or Parking is prohibited, except momentarily to pick up or discharge a passenger or passengers, within fifteen (15) feet of a fire hydrant.

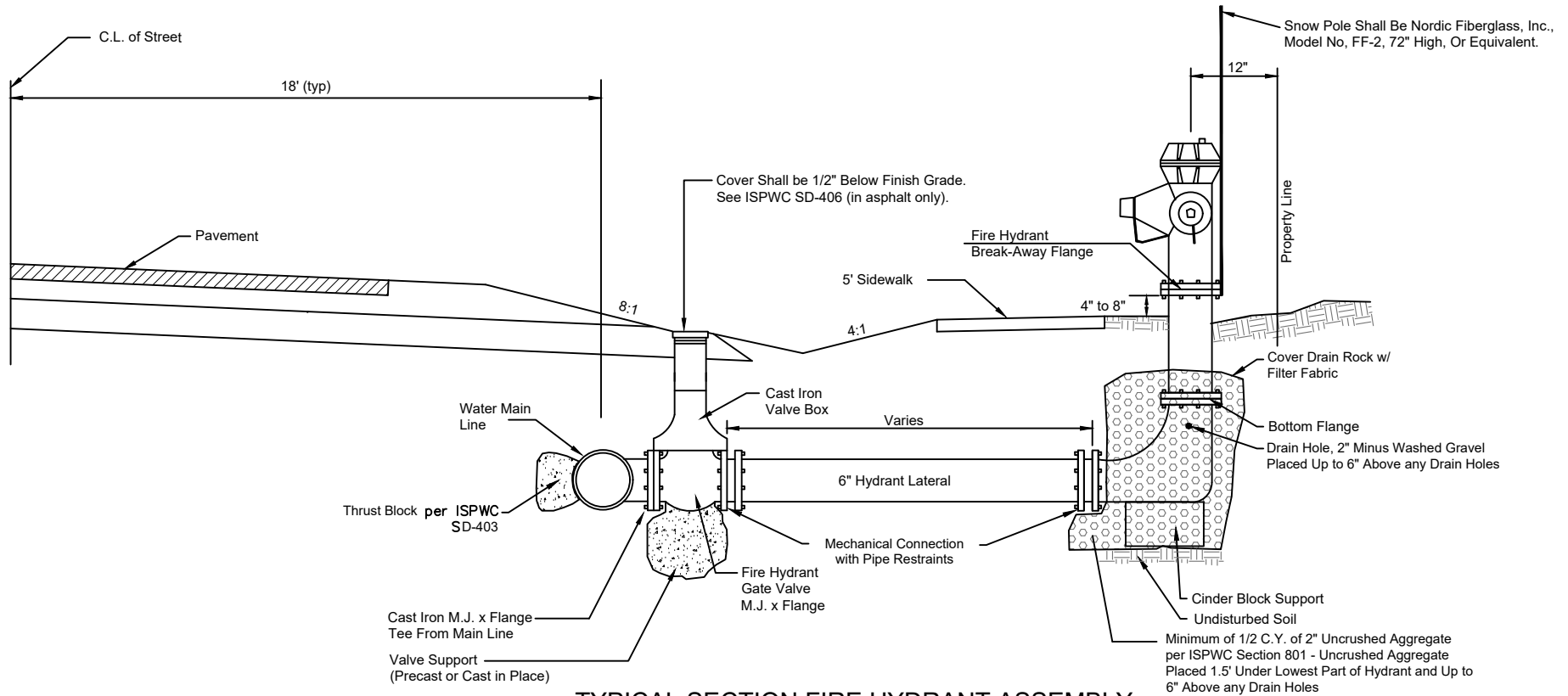
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FIRE HYDRANT DETAIL RESIDENTIAL
STREET OPTION 1

18.14.010.B.1

DRAWING NO.



**TYPICAL SECTION FIRE HYDRANT ASSEMBLY
RESIDENTIAL STREET OPTION 2**

N.T.S.

NOTES

1. Hydrants shall have a 6' foot bury.
2. Hydrants shall be 5 1/4" Waterous Pacer Model WB-67U-250 or Mueller Super Centurion 250 and conform to the following:
 - 2 ea.. 2-1/2" NST threaded nozzles
 - 1 ea.. 4-1/2" NST threaded nozzles
 - Dry Barrel type 6" barrel
 - Red in color
 - Traffic "breakaway" design
 - 250 PSI rated
 - UL Listed
 - Main valve size 5-1/4"
3. Mechanical Restraints shall be used. Restraints shall be Romac Industries RomaGrip or approved equivalent. No lug or set screw type restraints are to be used on PVC pipe.
4. City shall approve location and elevation of all Fire Hydrants. Fire Hydrants shall be located at street intersections and at a minimum spacing of 500 feet in residential zones and 450 feet in business and industrial zones. No obstructions shall be placed within 3 feet of the back and 15 feet of the sides and front of Fire Hydrants.
5. Auxiliary Gate Valve shall meet AWWA C509 (Total rubber encapsulated, resilient seat, waterous series or approved equal).
6. Valve Box shall be Tyler 664A or approved equal.
7. Hydrant break away flange elevation equal to street centerline or 4" to 8" above finished grade as approved.
8. Fire hydrant assemblies located on the opposite side of the roadway from the watermain shall have 2" Dow Board installed over the pipeline leading to the hydrant. The Dow Board shall extend from auxiliary gate valve to the hydrant.

HYDRANT VEHICULAR PROTECTION

Fire hydrants which may be exposed to vehicular damage or obstruction shall have an approved array of bollards or guard post installed to protect them from damage and maintain the minimum distance required for proper operation.

When they are installed, they shall be:

- Constructed of steel not less than (4) inches in diameter and concrete filled.
- Spaced not more than four (4) feet between posts on center.
- Set not less than three (3) feet deep in a concrete footing not less than (15) inches in diameter.
- Set with the top of the posts not less than (3) feet above the ground.
- The post shall be painted bright red, reflective markings are recommended.
- Located at least three feet from any portion of the hydrant and located so as not to create an obstruction to its use.

Idaho Code 49-660: Stopping, Standing or Parking is prohibited, except momentarily to pick up or discharge a passenger or passengers, within fifteen (15) feet of a fire hydrant.

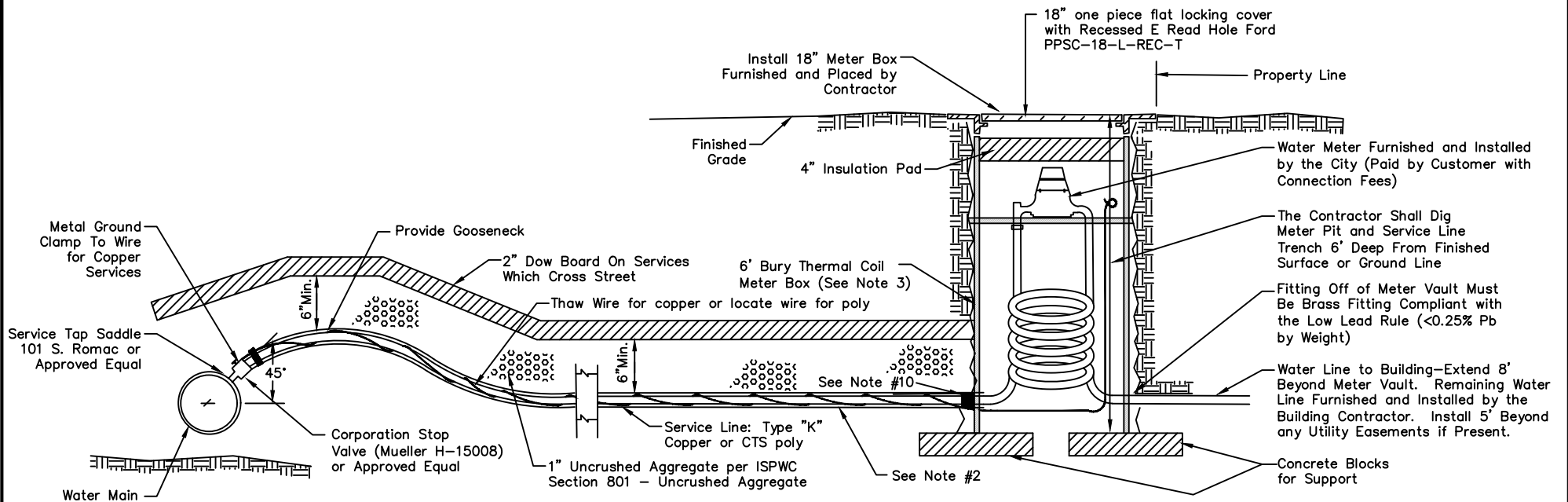
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2018 CITY OF HAILEY
STANDARD DRAWINGS

FIRE HYDRANT DETAIL
RESIDENTIAL STREET OPTION 2

18.14.010.B.2

DRAWING NO.



TYPICAL WATER SERVICE AND METER CONNECTION

N.T.S.

NOTES

1. Water Services shall be installed in accordance with the current edition of the ISPMC—Section 404—Water Service Line and Meters.
2. Water Service Line shall have a 6' min. bury depth.
3. 0.75" Meter vaults shall be Mueller 250CS1872FBBN or Ford PFCBH-388-18-72-FP-NL.
1" Meter Vaults shall be Mueller 330CS1872FBBN.
1-1.5" Meter Vaults shall be Muller 500VS2472FBBN or equal.
2" Meter Vaults shall be Muller 550VS2772FBBN or equal.
4. Service Line shall be 3/4" diameter Type K copper or polyethylene pressure pipe 250 psi DR 9 copper tube size (CTS) unless otherwise specified. Copper service pipe shall be encased with plastic pipe sleeving material from corporation stop to vault with both ends wrapped with PASCO 10ml PVC #9052 pipe tape.
5. CAUTION: OPEN CORPORATION VALVE BEFORE BACKFILL.
6. An owner constructing a new public water system in a subdivision or development shall construct a water tap and service for each potential user and extend it to the property line. Water services shall be marked with a blue painted metal fence post.
7. All copper service shall be wrapped with #6 gauge copper wire thermally insulated wrap every 5'. A No. 12 AWG copper with insulation tracer wire will be wrapped around all PVC pipe at a minimum of 10 foot intervals for the full length of the pipe. Run wire to top of vault.
8. Water service lines which cross the street shall be insulated with 2" thick by 2' wide Dow Board. Insulation shall be installed from the water main to the vault.
9. Water service lines shall be bedded with Type I Pipe Bedding per the current edition of ISPMC Section 305 —Pipe Bedding.
10. Connection to the meter box or curb stop shall be; Mueller 110 Compression H-15451 for 3/4" Copper or CTS poly; Mueller H15451 CTS x F.I.P.; or Ford C14-33-Q-NL.
11. No service or irrigation connections within 6 feet of meter vault.
12. Separate service connections to main by a minimum of 2 feet and stagger multiple connections made on the pipe along the circumference.
13. Materials used shall be compliant with ANSI/NSF 60/61.
14. All services shall conform to the vertical and horizontal separation requirements per DEQ.
15. All parts must be brass and compliant with the low lead rule (<0.25 % Pb by weight).
16. All brands and model numbers specified herein, or an approved equal, shall be required. Approved equals shall be determined by the City.

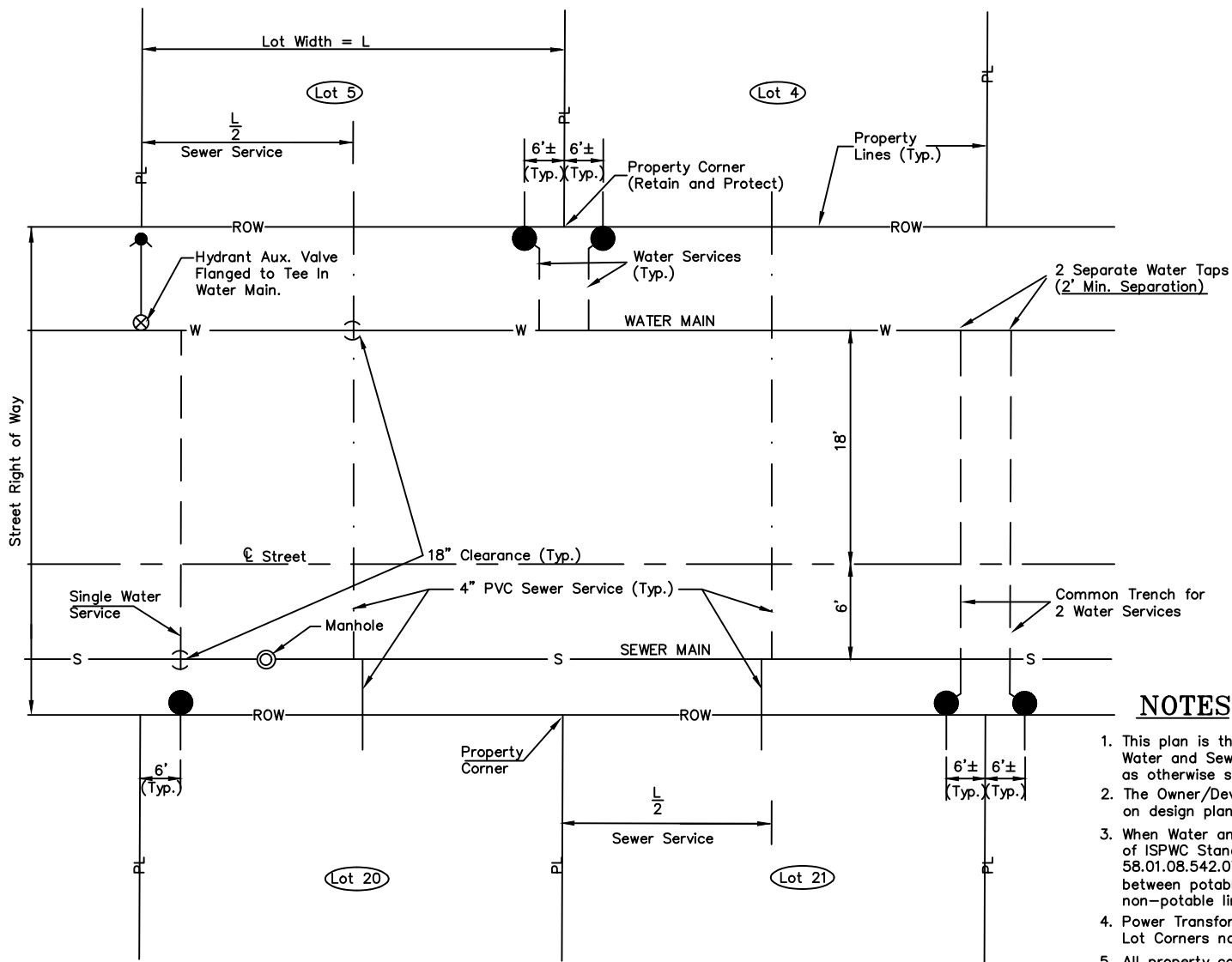
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2020 CITY OF HAILEY
STANDARD DRAWINGS

RESIDENTIAL
WATER SERVICE CONNECTION

18.14.010.B.3

DRAWING NO.



PLAN VIEW
TYPICAL WATER - SEWER LAYOUT

N.T.S.

NOTES

1. This plan is the desired typical layout for a new development. New Water and Sewer shall conform to this general conceptual layout except as otherwise specified and approved by the City.
2. The Owner/Developer shall show all Water and Sewer service locations on design plans as approved by City.
3. When Water and Sewer lines or services cross refer to the current edition of ISPWC Standard Drawing 407, IDAPA 58.01.08.542.07.a and IDAPA 58.01.08.542.07.b which address the requirements for separation distances between potable water lines (including mains and service lines) with non-potable lines.
4. Power Transformer Boxes and Telephone Risers are to be located near Lot Corners not common with water services.
5. All property corner monuments shall be retained and protected. Replacement of disturbed property corners shall be at the contractors expense.
6. Water Meters shall be located a minimum of 6 Feet from Fire Hydrants.
7. Extend Sewer and Water Services into property or beyond any utility easements if present.

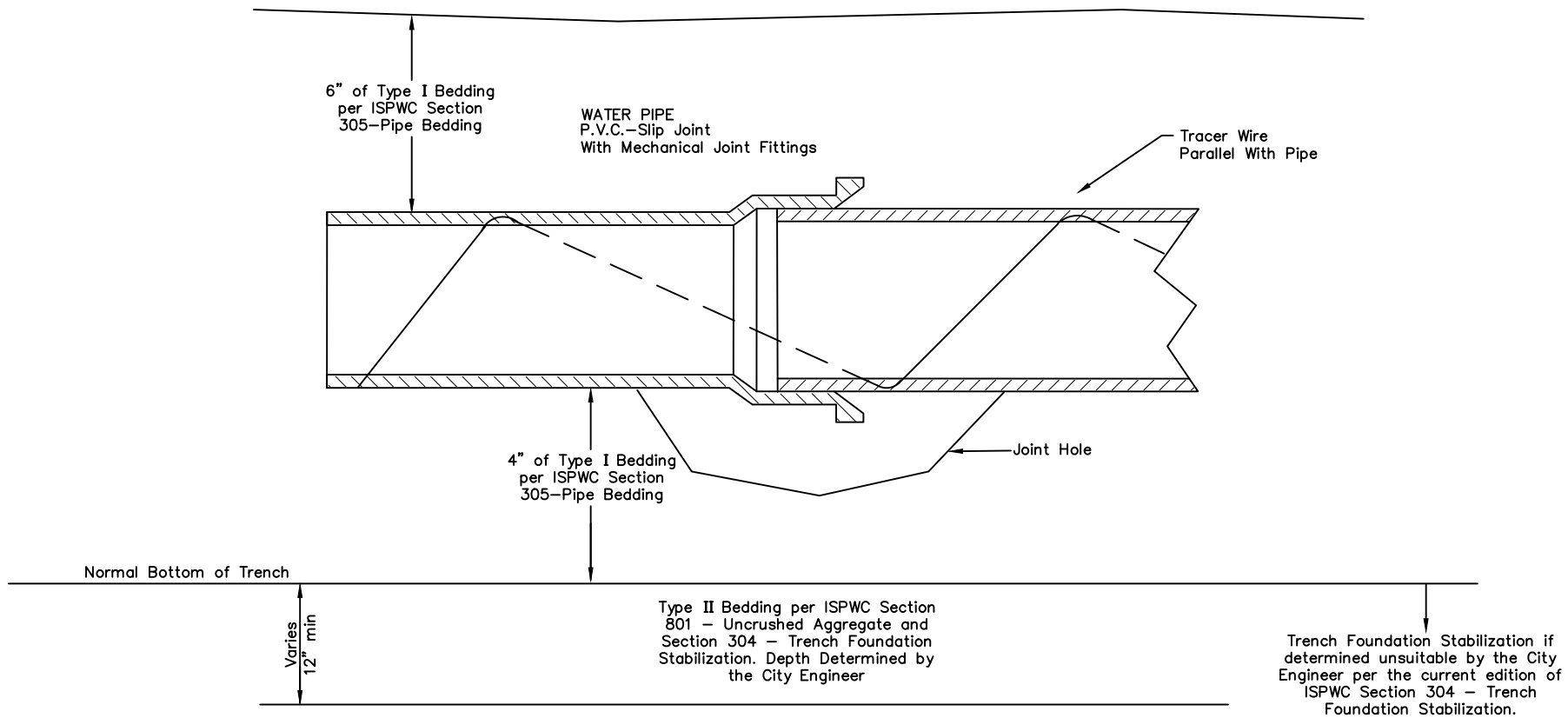
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2012 CITY OF HAILEY
 STANDARD DRAWINGS

TYPICAL WATER AND
 SEWER LAYOUT

18.14.010.B.5

DRAWING NO.



WATER PIPE LAYOUT SECTION

N.T.S.

NOTES

1. Trenching shall be in accordance with the current edition of ISPWC Division 300—Trenching.
2. A No. 12 AWG copper with insulation tracer wire will be wrapped around all PVC pipe at a minimum of 10 foot intervals for the full length of the pipe. Each run shall be brought to the surface inside the Valve Boxes for the gate valves. Ten linear feet of loose looped wire shall be left coiled in the valve box. All runs shall be electrically continuous between valves.
3. All water pipe shall have 6 feet of minimum cover.
4. When Water and Sewer lines or services cross refer to the current edition of ISPWC Standard Drawing 407, IDAPA 58.01.08.542.07.a and IDAPA 58.01.08.542.07.b which address the requirements for separation distances between potable water lines (including mains and service lines) with non-potable lines.
5. Install 3" wide blue bury warning tape 2" above bedding the length of the pipe.

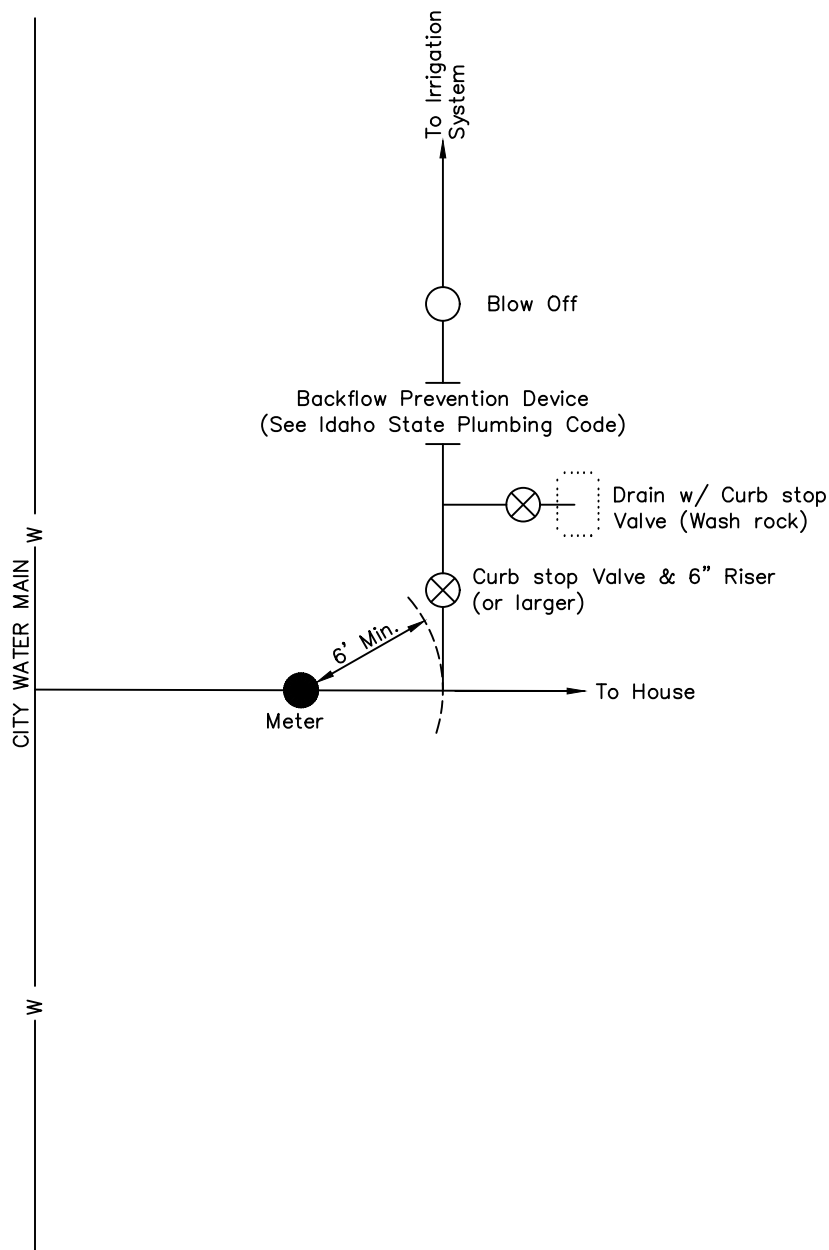
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2012 CITY OF HAILEY
STANDARD DRAWINGS

WATER PIPE LAYING

18.14.010.B.6

DRAWING NO.



NOTES

1. This plan is the desired typical layout for new & old development. New Water shall conform to this general conceptual layout except as otherwise specified and approved by the City.
2. The Owner/Developer shall show all Water service locations on design plans as approved by City.
3. No service or irrigation connections within 6 feet of meter vault.
4. Blow-Off must be downstream of backflow device.
5. All Backflow devices and installation shall meet Idaho State Plumbing Code and the current edition of the U.S.C. Manual of Cross Connection Control.

PLAN VIEW TYPICAL WATER IRRIGATION LAYOUT

N.T.S.

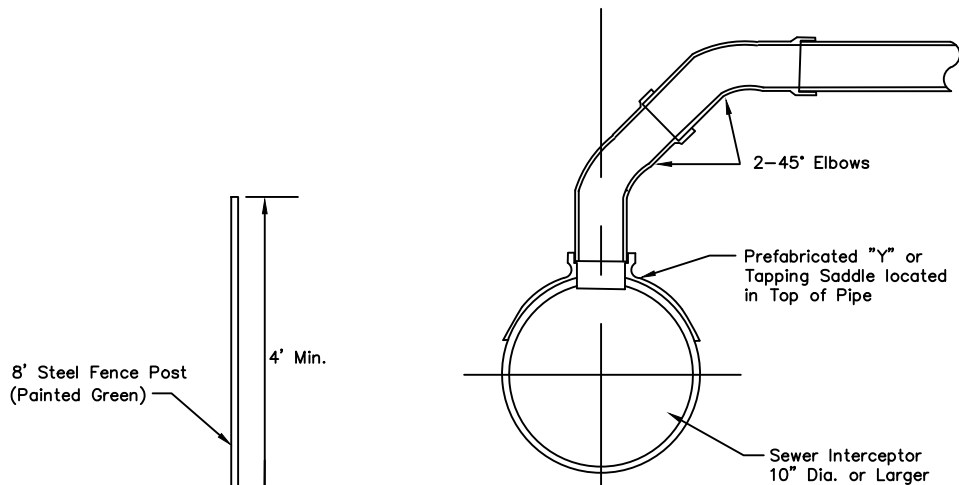
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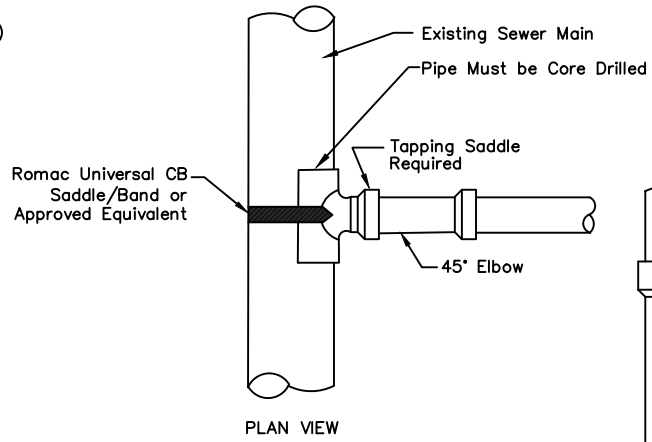
TYPICAL WATER
IRRIGATION LAYOUT

18.14.010.B.11

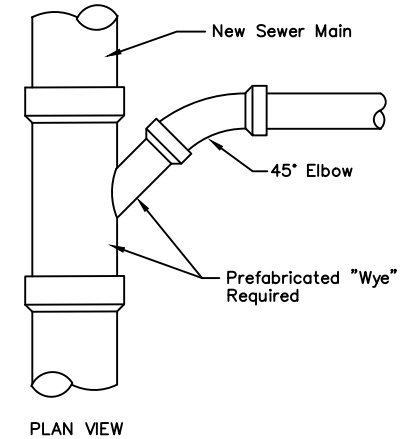
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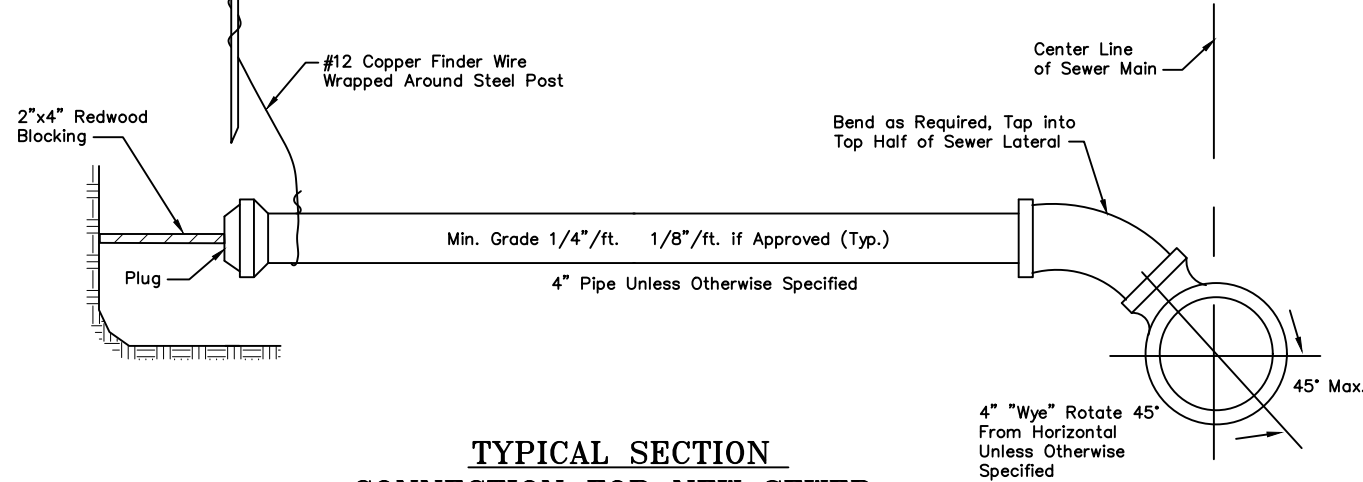
PROFILE VIEW
CONNECTION FOR INTERCEPTOR SEWERS
 N.T.S.



CONNECTION FOR EXISTING SEWER
 N.T.S.



CONNECTION FOR NEW SEWER
 N.T.S.



TYPICAL SECTION CONNECTION FOR NEW SEWER
 N.T.S.

NOTES

1. Sewer taps shall not enter at manholes.
2. An approved tapping saddle shall be required for all new taps to existing sewer laterals. Saddle to be approved by The City Engineer.
3. An owner constructing a new public sewer system in a subdivision or development shall construct a sewer tap and service for each potential user and extend it into the property.
4. When Sewer and Water lines or services cross refer to the current edition of ISPWC Standard Drawing 407, IDAPA 58.01.08.542.07.a and IDAPA 58.01.08.542.07.b which address the requirements for separation distances between potable water lines (including mains and service lines) with non-potable lines.

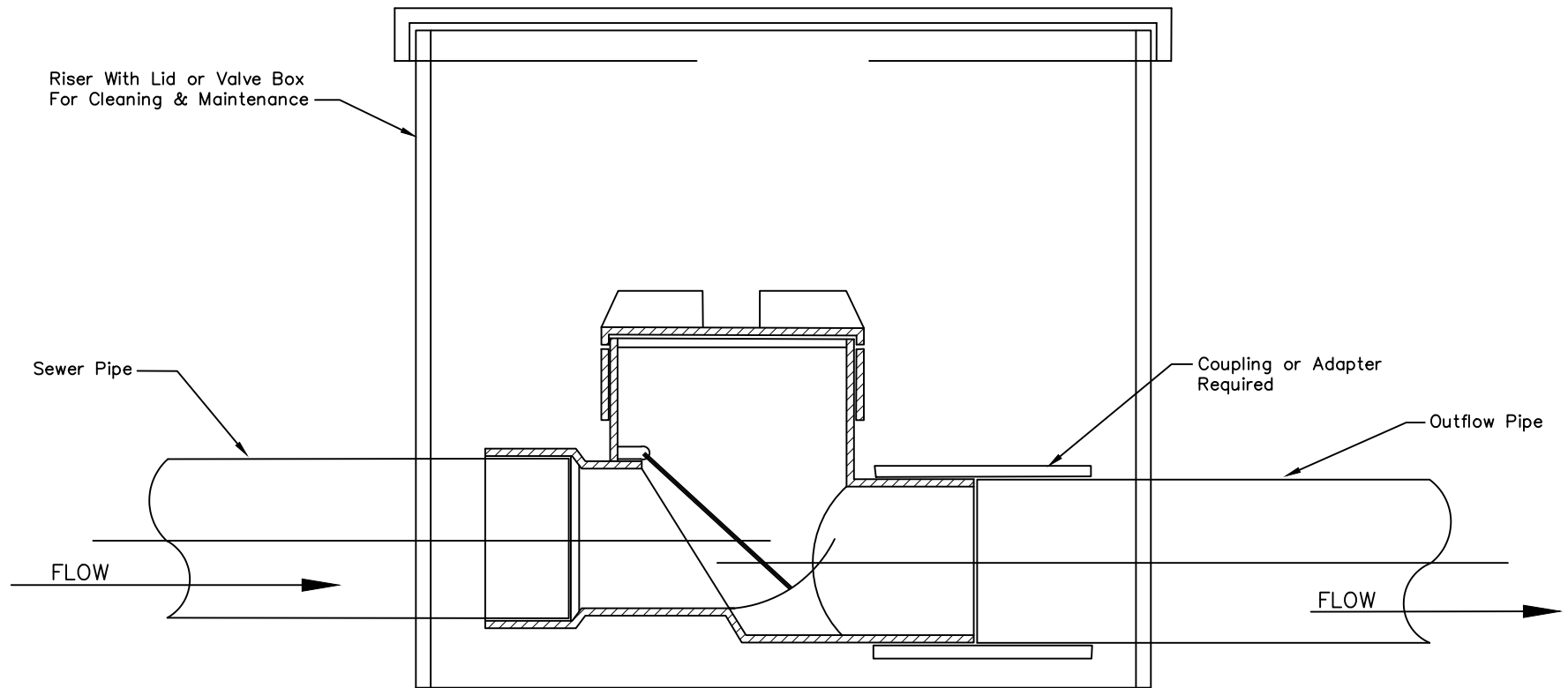
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2015 CITY OF HAILEY
 STANDARD DRAWINGS

SEWER SERVICE CONNECTION

18.14.010.C.4

DRAWING NO.



NOTES

- 1. Backwater prevention device shall be required in sewer service lines that service basements. It shall be located on owner's property and maintained by the owner.
- 2. An approved equal may be substituted for this backwater valve.

**TYPICAL SECTION
BACKWATER PREVENTION DEVICE**

N.T.S.

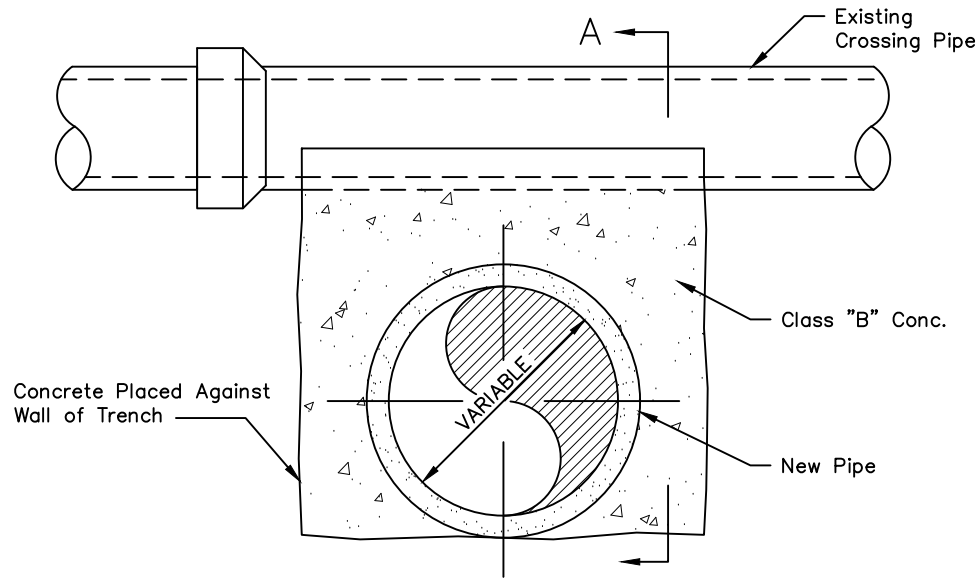
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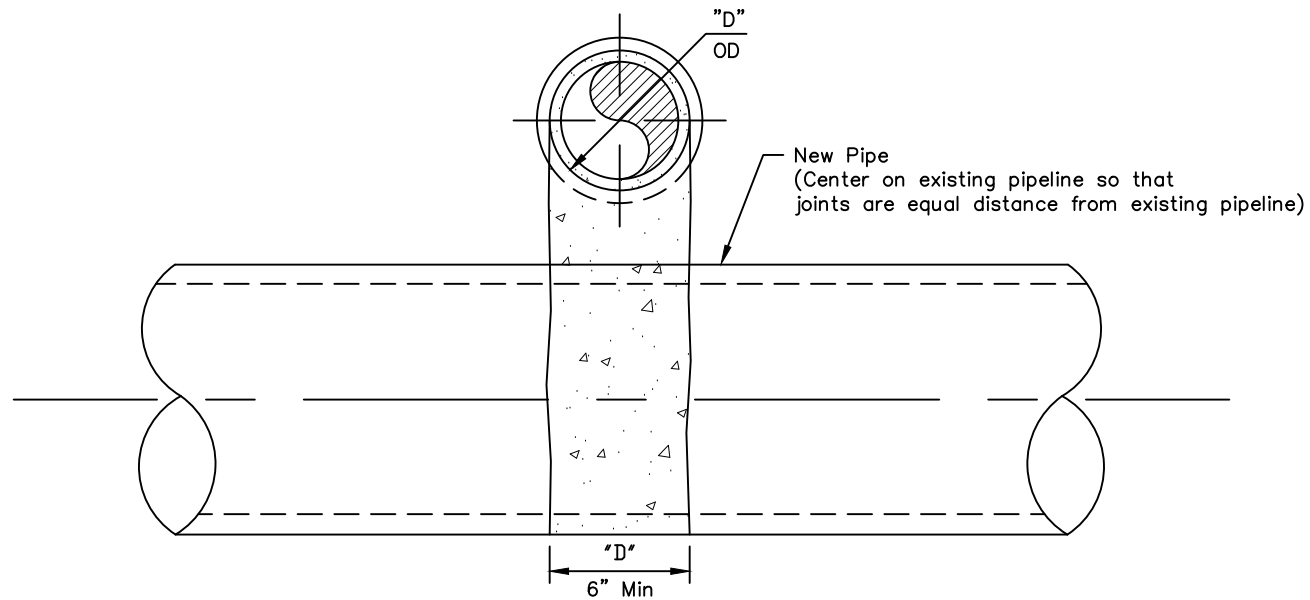
SEWER BACKWATER VALVE

18.14.010.C.5

DRAWING NO.



SECTION THROUGH NEW PIPE TRENCH
N.T.S.



SECTION A
PIPE SUPPORT ACROSS TRENCH
N.T.S.

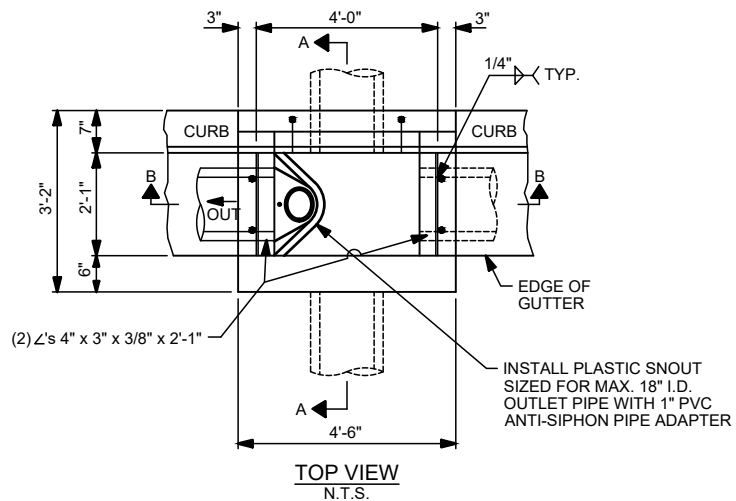
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2012 CITY OF HAILEY
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PIPE SUPPORT
ACROSS TRENCH

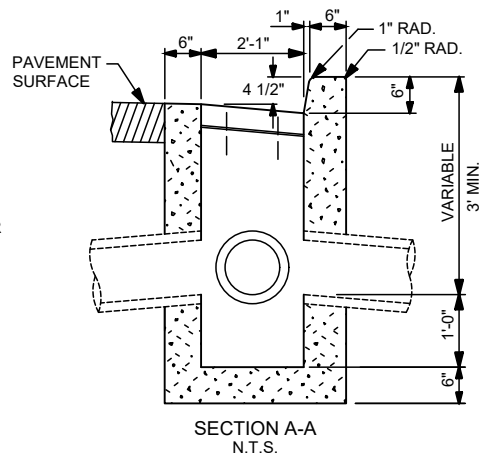
18.14.010.C.7

DRAWING NO.



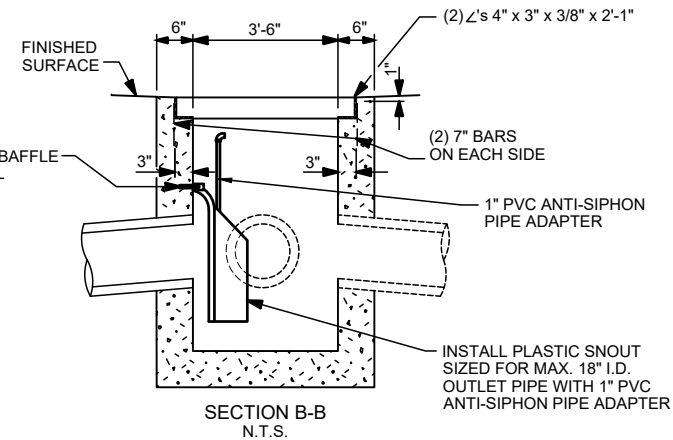
NOTES

1. OUTLET PIPES ARE SHOWN IN ALL DIRECTIONS ON DETAIL. OUTLET AND INLET PIPES SHALL BE DESIGNED AS NECESSARY FOR INDIVIDUAL APPLICATIONS.
2. SNOOTS SHALL BE INSTALLED ON OUTLET OF UPSTREAM MAIN CATCH BASINS FROM DRYWELL ONLY, NOT ON SATELLITE CATCH BASINS.
3. MINIMUM PIPE SIZE IS 12".



NOTE

1. OUTLET PIPES ARE SHOWN IN ALL DIRECTIONS ON DETAIL. OUTLET AND INLET PIPES SHALL BE DESIGNED AS NECESSARY FOR INDIVIDUAL APPLICATIONS.



NOTES

1. OUTLET PIPES ARE SHOWN IN ALL DIRECTIONS ON DETAIL. OUTLET AND INLET PIPES SHALL BE DESIGNED AS NECESSARY FOR INDIVIDUAL APPLICATIONS.
2. SNOOTS SHALL BE INSTALLED ON OUTLET OF UPSTREAM MAIN CATCH BASINS FROM DRYWELL ONLY, NOT ON SATELLITE CATCH BASINS.

NOTES

1. PRIMARY CATCH BASINS TO BE INSTALLED IMMEDIATELY UPSTREAM OF DRYWELL. SATELLITE CATCH BASINS MAY BE INSTALLED UPSTREAM OF PRIMARY CATCH BASIN.
2. INLETS AND CATCH BASINS MAY BE EITHER PRECAST OR CAST-IN-PLACE. PRECAST UNITS SHALL MEET THE REQUIREMENTS OF ASTM C 913. (PRIOR APPROVAL OF SHOP DRAWINGS WILL BE REQUIRED ON MODIFIED UNITS.)
3. A 1" SIDE DRAFT IS ALLOWED FOR FORM REMOVAL.
4. THE GRADE LINE OF THE TOP INSIDE OF ANY PIPE SHALL ENTER AT A POINT NO LOWER THAN THE TOP INSIDE OF THE OUTLET PIPE.
5. PIPES CAN ENTER OR LEAVE THE BOX IN ANY DIRECTION. ALL CONNECTIONS AND BROKEN AREAS SHALL BE GROUTED SMOOTH.
6. STEEL ANGLES SHALL BE SET SO THAT EACH BEARING BAR OF PREFABRICATED GRATE SHALL HAVE FULL BEARING ON BOTH ENDS. THE FINISHED TOP OF CONCRETE SHALL BE EVEN WITH THE ANGLE/GRATE SURFACE. THE STRUCTURAL STEEL NEED NOT BE PAINTED BUT SHALL MEET THE REQUIREMENTS OF ASTM A 36.
7. ALL METAL REINFORCEMENT USED SHALL BE NO. 4 BARS. THE METAL REINFORCEMENT SHALL BE SMOOTH CUT TO ACCOMMODATE PIPES.
8. SEE ISPWC SD-609 FOR GRATE DETAILS.

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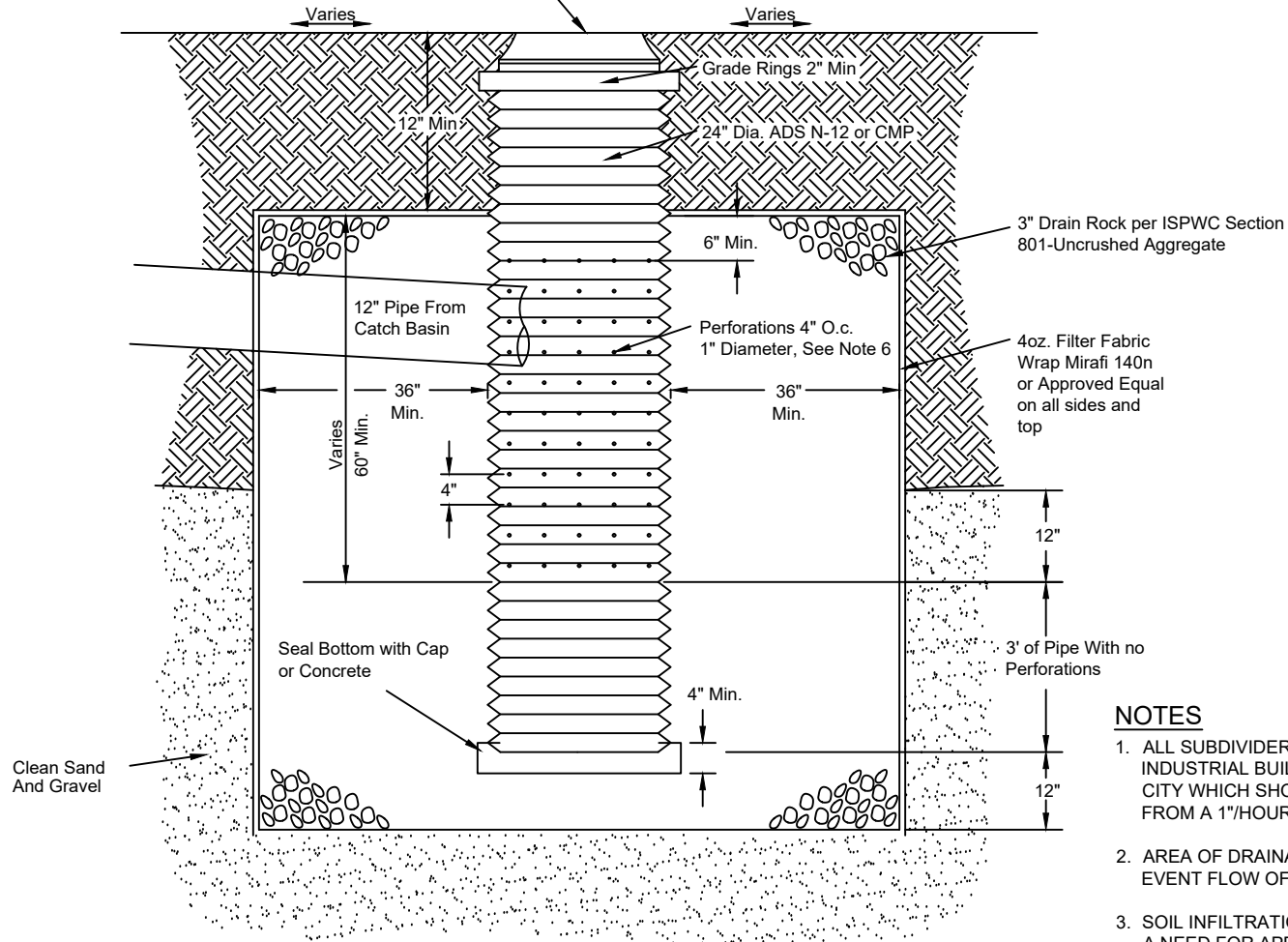
2018 CITY OF HAILEY
STANDARD DRAWINGS

PRIMARY CATCH BASIN

18.14.010.D.1

DRAWING NO.

See ISPWC SD-617 for Lid Details.
See SD-616 if placed in Asphalt.



Note: The bed shall be excavated a minimum of 24" into clean sand and gravel. If clean sand and gravel is not encountered within 12 feet, the contractor shall contact the Engineer.

DRYWELL DETAIL
(FOR USE WITH PRIMARY CATCH BASINS ONLY)

NTS

NOTES

1. ALL SUBDIVIDERS AND APPLICANTS FOR COMMERCIAL OR INDUSTRIAL BUILDING PERMITS SHALL FURNISH DATA TO THE CITY WHICH SHOWS A DESIGN TO ACCOMMODATE THE RUN-OFF FROM A 1"/HOUR, 25 YEAR STORM.
2. AREA OF DRAINAGE IS ____ ACRES RESULTING IN A STORM EVENT FLOW OF ____ cfs
3. SOIL INFILTRATION RATE ASSUMPTION IS ____" / MIN., RESULTING IN A NEED FOR APPROXIMATELY _____ S.F. OF INFILTRATION AREA.
4. DRYWELLS MUST BE CONNECTED TO A CATCH BASIN. NO INLET GRATES ALLOWED.
5. CONTRACTOR / OWNER SHALL SUBMIT IDAHO DEPARTMENT OF WATER RESOURCES (IWDR) SHALLOW INJECTION WELL INVENTORY FORM FOR EACH DRYWELL CONSTRUCTED TO THE CITY OF HAILEY.
6. GEOTECH FILTER FABRIC MAY BE ALLOWABLE, WITH CITY APPROVAL, TO SEAL PERFORATIONS IN NON-PERFORATED AREA SHOWN HEREON IF PIPE IS SUPPLIED FULLY PERFORATED.

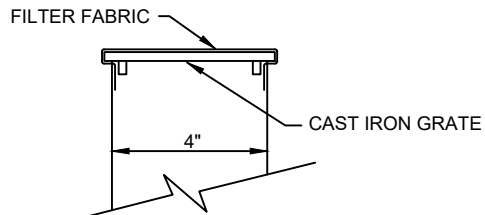
REVISIONS

2020 CITY OF HAILEY
STANDARD DRAWINGS

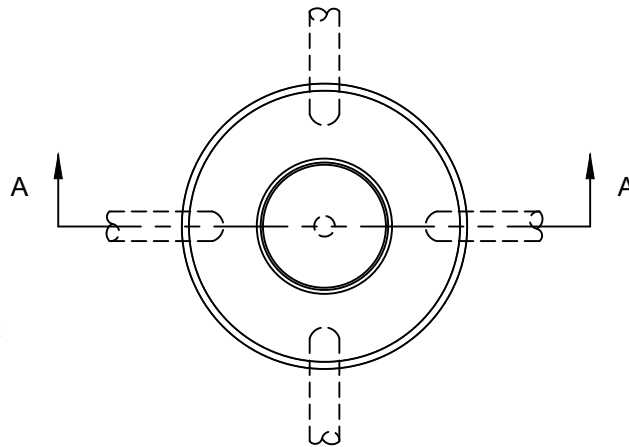
TYPICAL DRYWELL

18.14.010.D.4a

DRAWING NO.

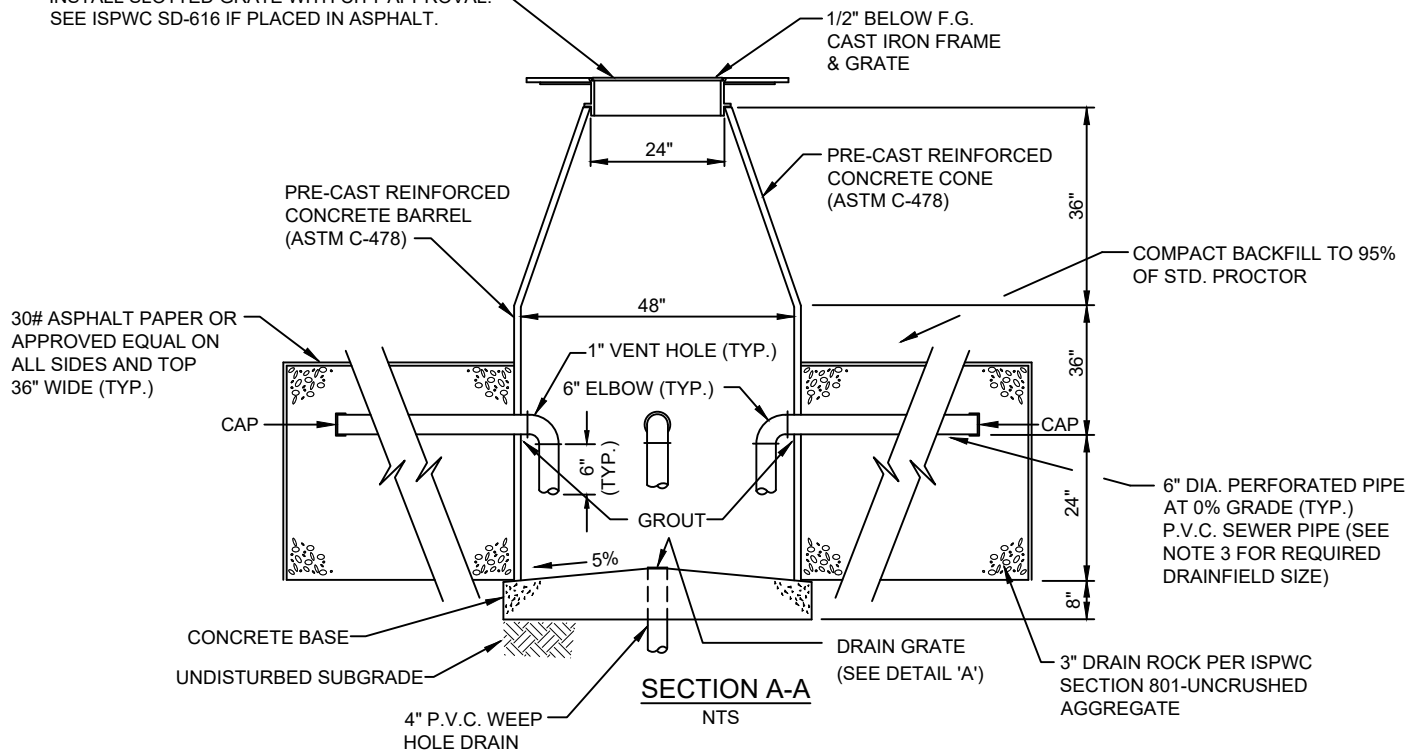


DETAIL 'A'
NTS



TOP VIEW
NTS

INSTALL SLOTTED GRATE WITH CITY APPROVAL.
SEE ISPWC SD-616 IF PLACED IN ASPHALT.



SECTION A-A
NTS

NOTES

1. CONSTRUCTION OF THIS DRYWELL REQUIRES CITY OF HAILEY PRE-APPROVAL.
2. ALL SUBDIVIDERS AND APPLICANTS FOR COMMERCIAL OR INDUSTRIAL BUILDING PERMITS SHALL FURNISH DATA TO THE CITY WHICH SHOWS A DESIGN TO ACCOMMODATE THE RUN-OFF FROM A 1"/HOUR, 25 YEAR STORM.
3. AREA OF DRAINAGE IS ____ ACRES RESULTING IN A STORM EVENT FLOW OF ____ cfs
4. SOIL INFILTRATION RATE ASSUMPTION IS ____ "/ MIN., RESULTING IN A NEED FOR APPROXIMATELY ____ S.F. OF INFILTRATION AREA.
5. CONTRACTOR / OWNER SHALL SUBMIT IDAHO DEPARTMENT OF WATER RESOURCES (IWDR) SHALLOW INJECTION WELL INVENTORY FORM FOR EACH DRYWELL CONSTRUCTED TO THE CITY OF HAILEY.
6. SATELLITE CATCH BASINS MAY BE USED DIRECTLY UPSTREAM OF THIS DRYWELL. NO PRIMARY CATCH BASIN IS REQUIRED.

REVISIONS

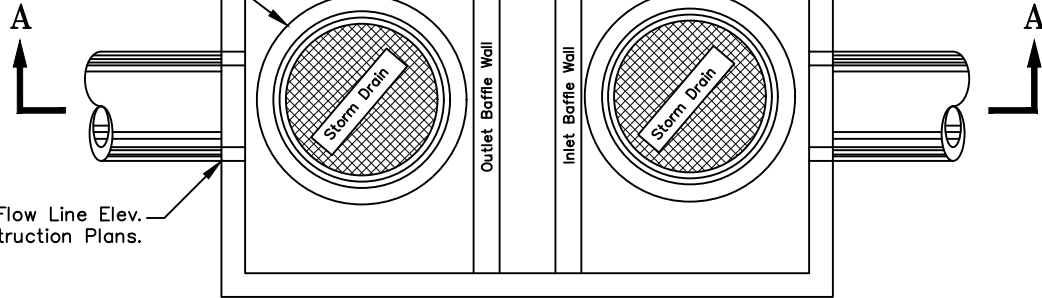
2018 CITY OF HAILEY
STANDARD DRAWINGS

DIRECT ENTRY DRYWELL
(WITH PRIOR CITY APPROVAL ONLY)

18.14.010.D.4b

DRAWING NO.

Manhole Frame and Cover per
Hailey Standard Drawing
18.14.010.C.3



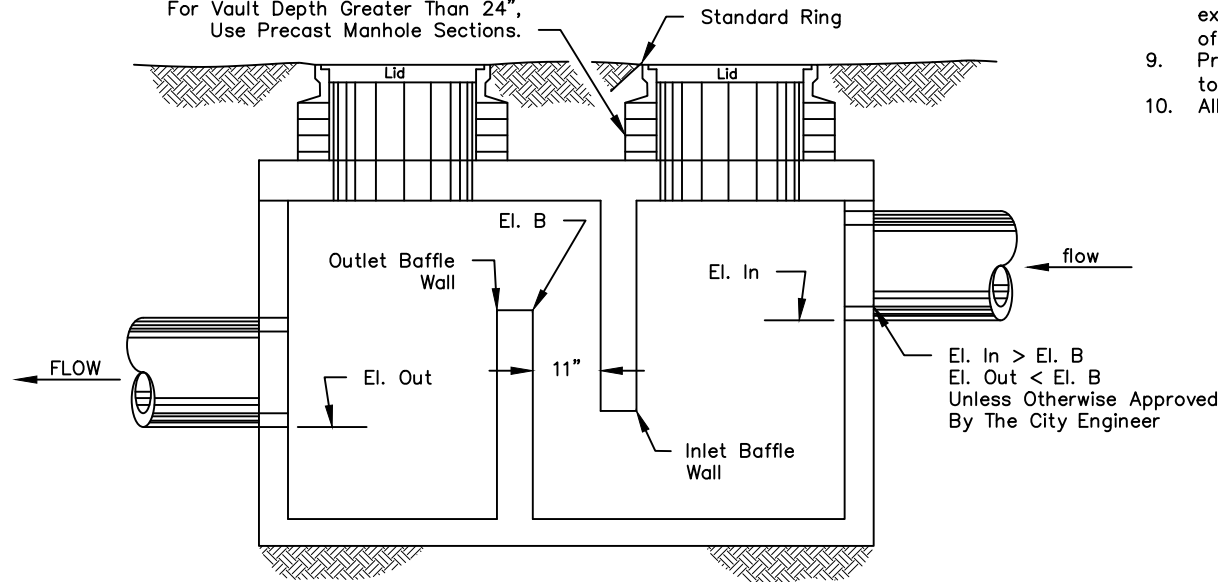
Location and Flow Line Elev.
per Approved Construction Plans.

PLAN
N.T.S.

NOTES

1. Design load: AASHTO HS-25 highway loading.
2. All reinforcing steel shall be grade 60.
3. Precast or poured in place traps shall be approved by the City Engineer prior to construction.
4. Height of outlet baffle wall and length of inlet baffle wall determined by tank capacity and flow rate.
5. The City Engineer must give approval for the use of the grease and sand trap.
6. Elev. In must be greater than elev. B. Elev. Out must be less than elev. B. Unless otherwise approved by the City Engineer.
7. Manhole frame, collar and cover shall be per Hailey Standard Drawings 18.14.010.C.1 and 18.14.010.C.3.
8. If distance from top of box to bottom of manhole form exceeds 12" use precast manhole riser plus a maximum of 12" of riser grade rings.
9. Provide steps when distance from top of manhole frame to top of box exceeds 24".
10. All pipe protrusions shall have a water tight seal.

Concrete Riser Rings (max. 24") (typical)
For Vault Depth Greater Than 24",
Use Precast Manhole Sections.



SECTION A-A
N.T.S.

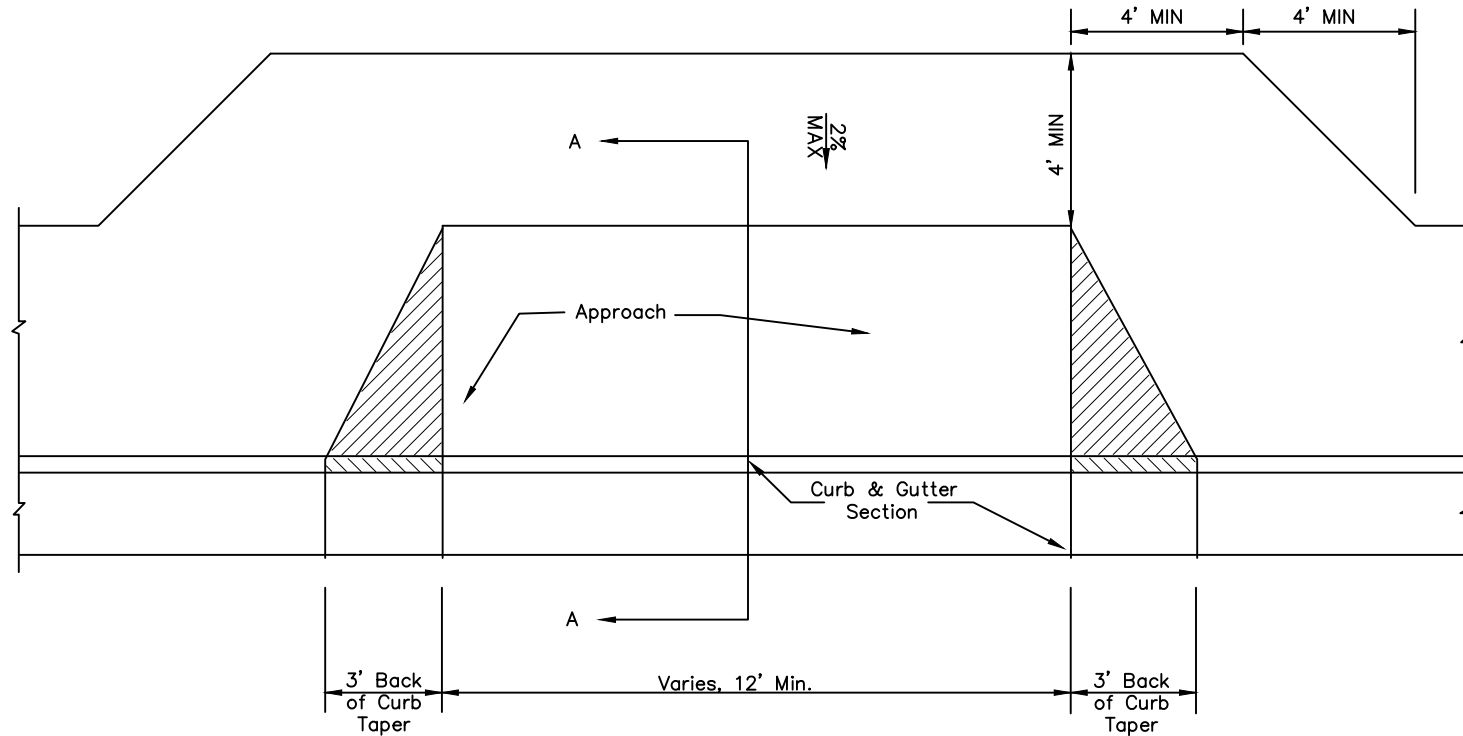
REVISIONS

2012 CITY OF HAILEY
STANDARD DRAWINGS

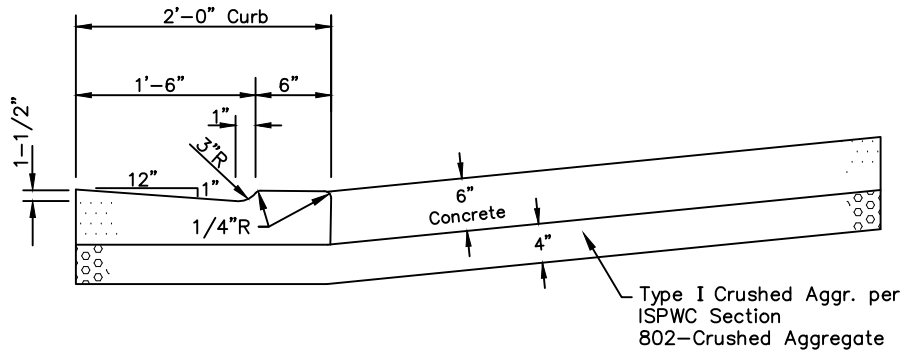
GREASE AND SAND TRAP

18.14.010.D.5

DRAWING NO.



PLAN



SECTION A-A

NOTES

1. All Driveway Approaches Require Special Approval of the City Engineer Before Construction.
2. Minimum Approach Width for Standard Driveways:

Residential	12 Feet
Joint Use-Residential	30 Feet
Other Zones	20-40 Feet
3. Driveways Over 15 Feet Shall Have Contraction Joints at a maximum of 15 Feet. (15'-30' Driveway Contraction Joint Shall be Centered.)
4. Location at Street Corner:

Residential	- Not Closer Than 10 Feet to the Extended Property Line.
Commercial, Industrial	- Not Closer Than 25 Feet to the Extended Property Line.

TYPICAL CURB CUT & DRIVEWAY APPROACH

N.T.S.

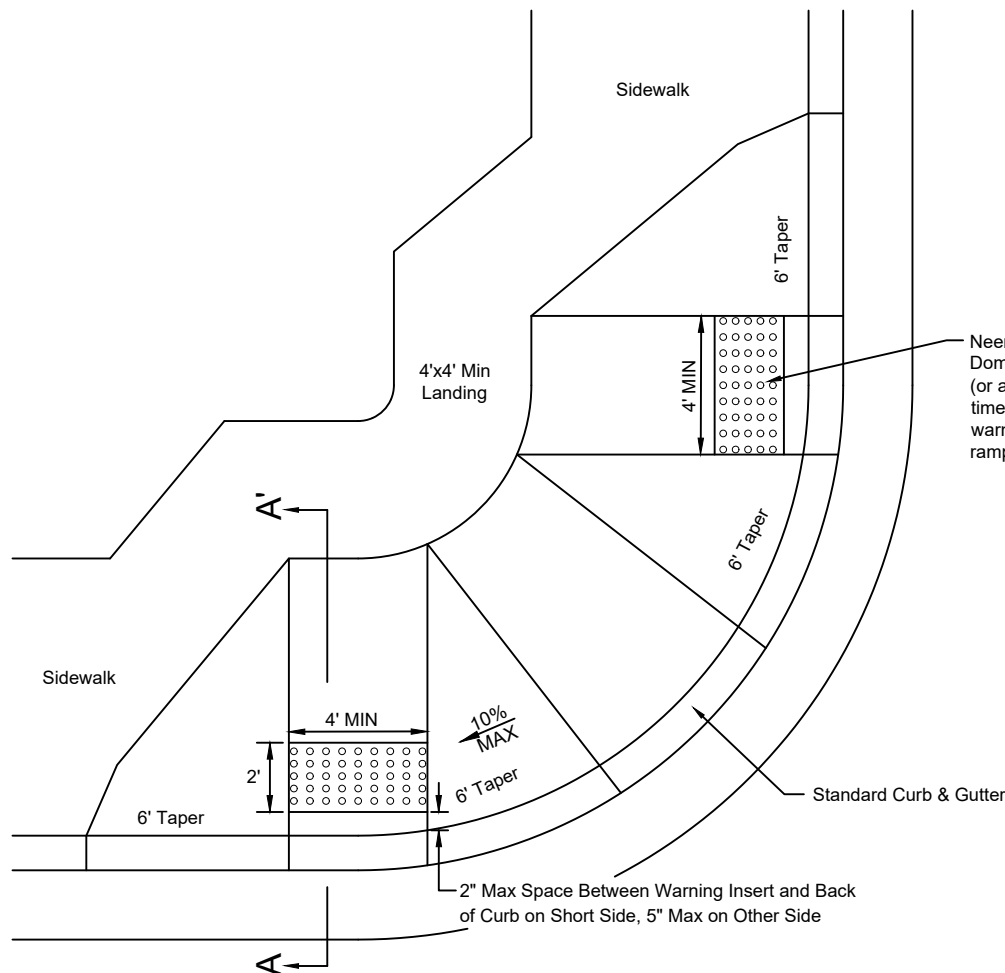
REVISIONS

2012 CITY OF HAILEY
STANDARD DRAWINGS

CONCRETE DRIVEWAY
APPROACHES

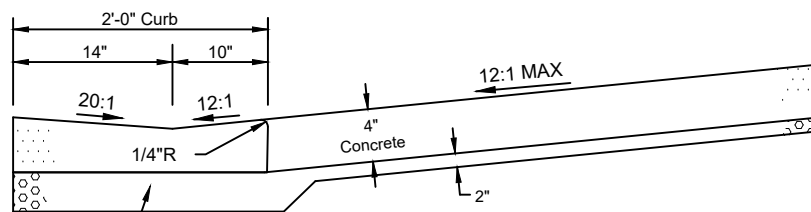
18.14.012.B

DRAWING NO.



STANDARD CURB CUT RAMP

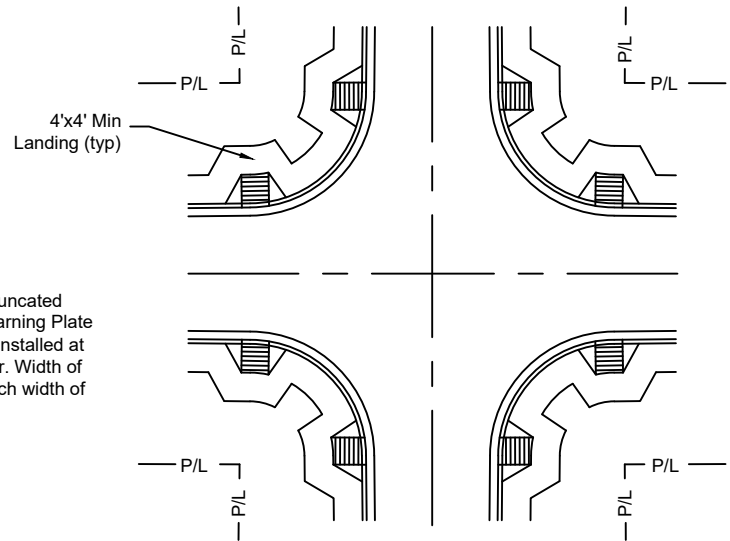
N.T.S.



Type I Crushed Aggr. per ISPWC Section 802-Crushed Aggregate

SECTION A-A'

N.T.S.

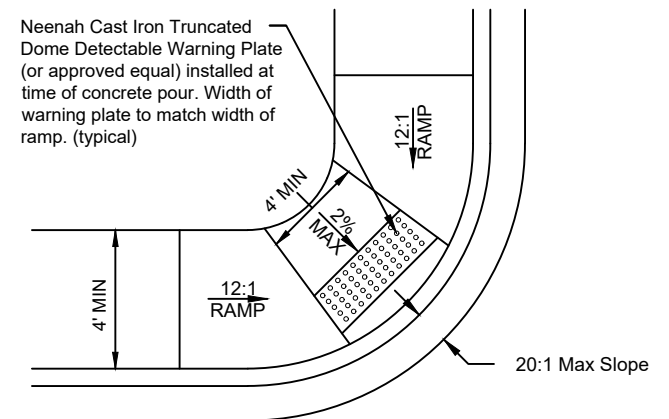


LOCATION OF TYPICAL PEDESTRIAN RAMPS

N.T.S.

Include Detectable Warning Standard Pre-manufactured Cast-in-place Units (unpainted CAST IRON)

Manufacturer: Neenah or Approved Equal Meeting ADA Standards



OPTIONAL CURB CUT RAMP

N.T.S.

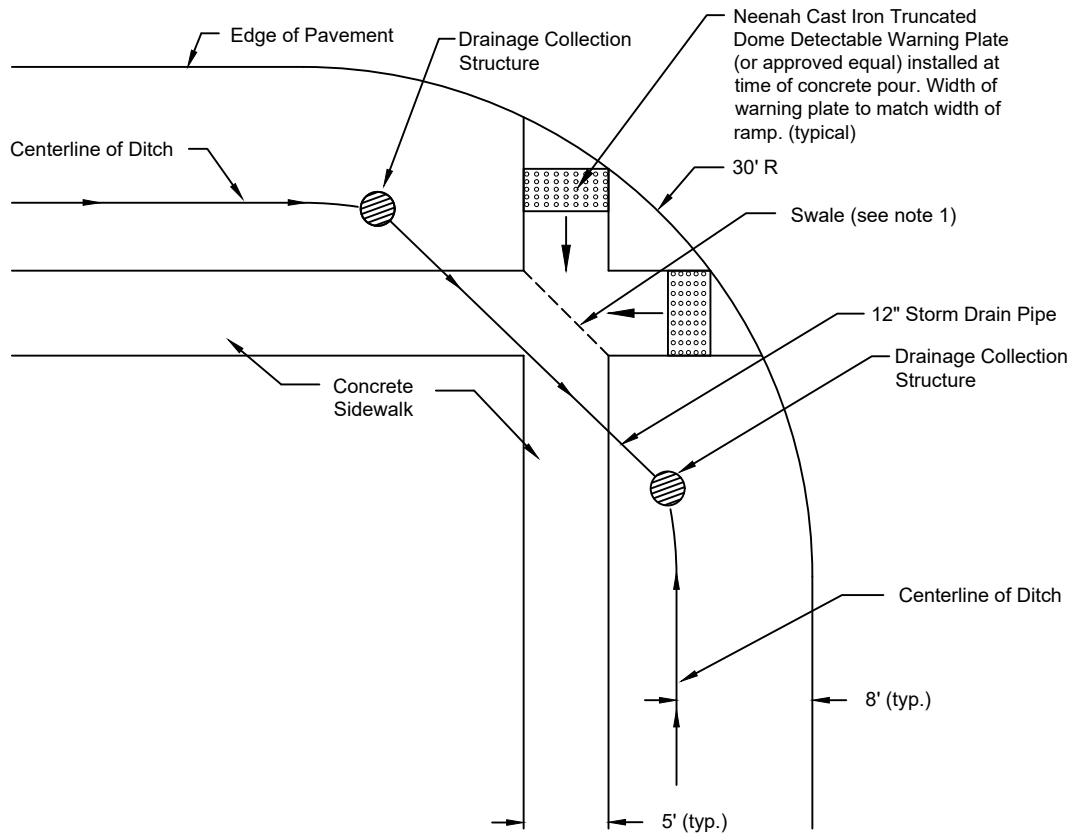
REVISIONS

2018 CITY OF HAILEY
STANDARD DRAWINGS

PEDESTRIAN RAMP

18.14.012.C

DRAWING NO.

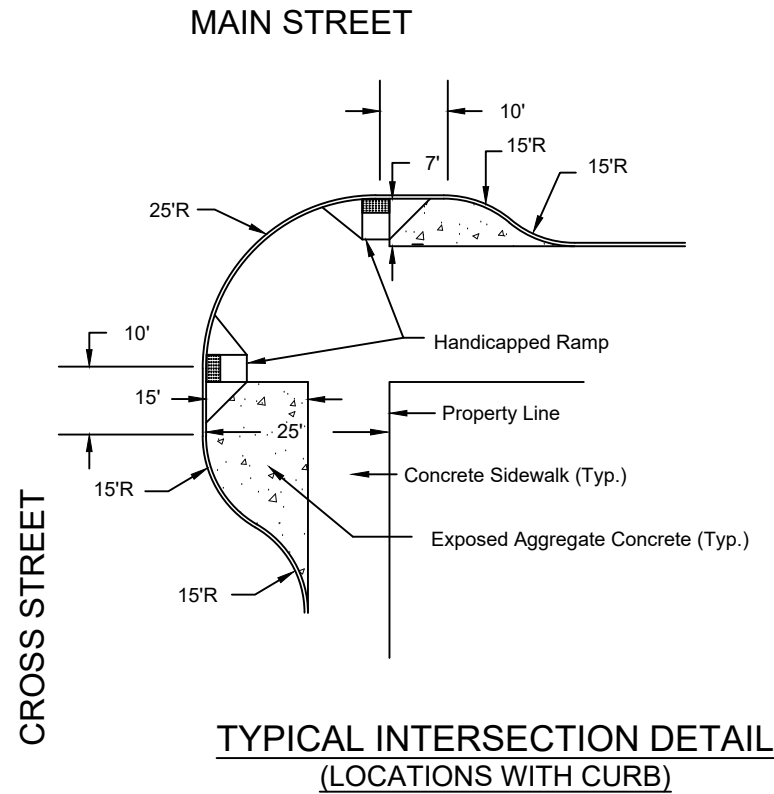


**TYPICAL INTERSECTION DETAIL
(IN NON-CURB LOCATIONS)**

N.T.S.

NOTES

1. A drainage swale across the sidewalk may be constructed with prior approval by the City Engineer.
2. Sidewalk shall be 2' from property line.



**TYPICAL INTERSECTION DETAIL
(LOCATIONS WITH CURB)**

N.T.S.

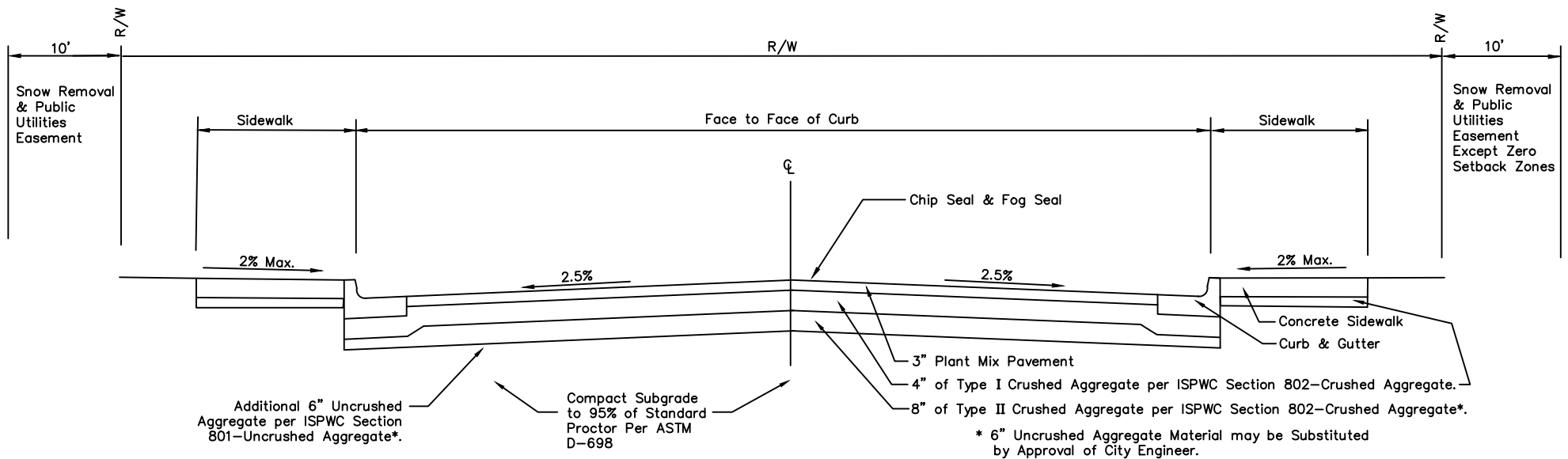
REVISIONS

2018 CITY OF HAILEY
STANDARD DRAWINGS

SIDEWALKS AT
INTERSECTIONS

18.14.012.E

DRAWING NO.



TYPICAL CURBED STREET SECTION

N.T.S.

NOTES

1. Tolerance for crown slope shall be 0.5%±.
2. Crushed Aggregate shall meet the requirements of the current edition of the ISPWC Standards-Section 802-Crushed Aggregate.
3. Uncrushed Aggregate shall meet the requirements of the current edition of the ISPWC Standards-Section 801-Uncrushed Aggregate.

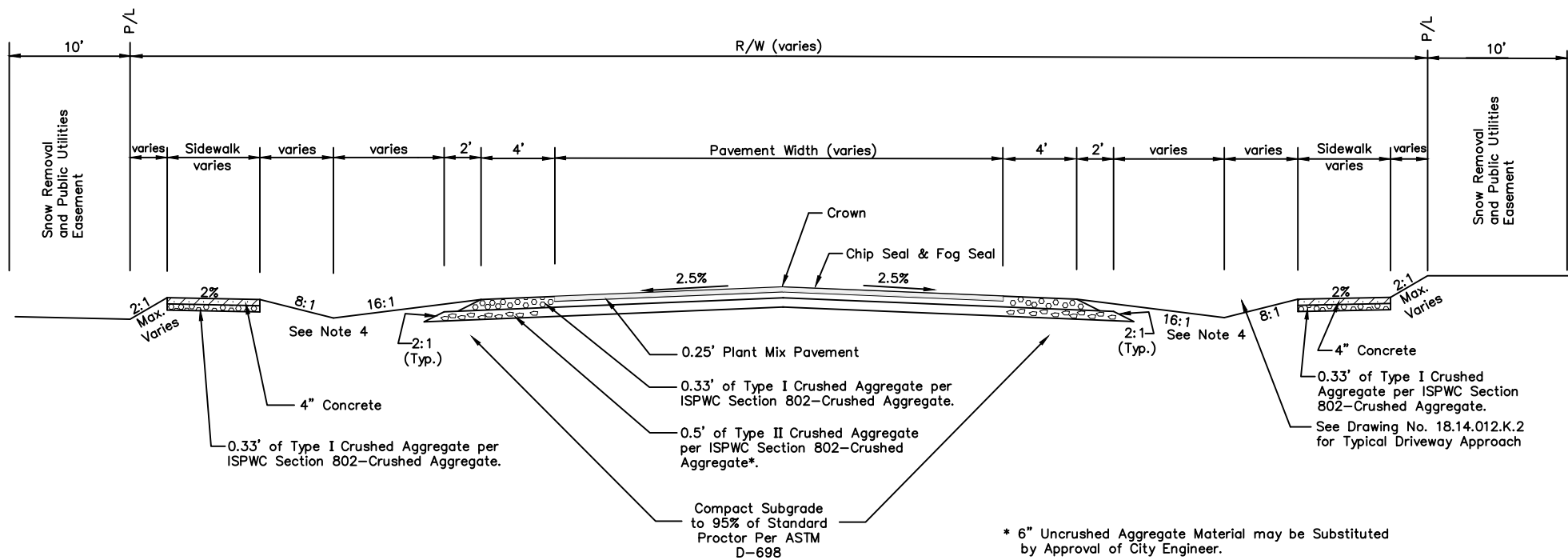
REVISIONS

2012 CITY OF HAILEY
STANDARD DRAWINGS

CURBED STREET SECTION

18.14.012.F.1

DRAWING NO.



TYPICAL STREET SECTION
N.T.S.

NOTES

1. Tolerance for crown slope shall be 0.5%±.
2. Crushed Aggregate shall meet the requirements of the current edition of the ISPWC Standards-Section 802-Crushed Aggregate.
3. Uncrushed Aggregate shall meet the requirements of the current edition of the ISPWC Standards-Section 801-Uncrushed Aggregate.
4. Ditch slopes may vary based upon Approved Construction Plans.

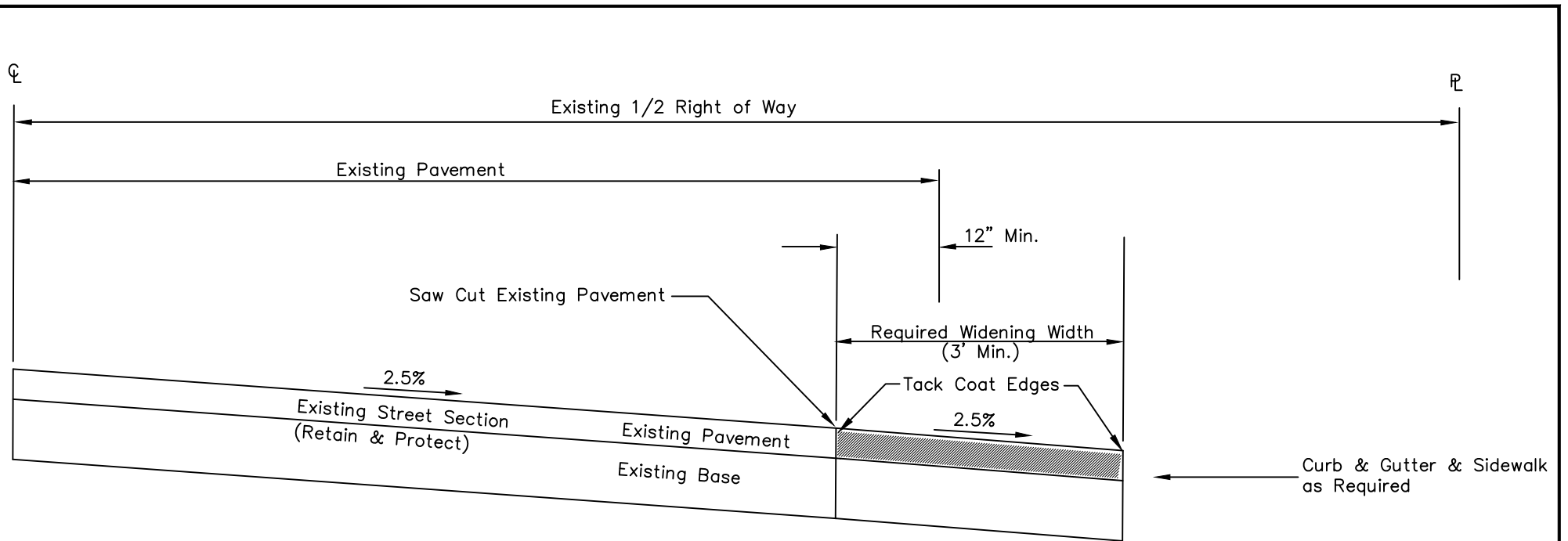
REVISIONS

2012 CITY OF HAILEY
STANDARD DRAWINGS

TYPICAL STREET SECTION

18.14.012.F.2

DRAWING NO.



TYPICAL STREET WIDENING

N.T.S.

NOTES

1. Asphalt match shall drain toward edge of pavement or concrete curb and shall have a cross slope of 2.5%±0.5%. Cross slope of 4% maximum may be allowed with prior approval by City Engineer.
2. Existing asphalt shall be sawcut to a neat straight line parallel and/or perpendicular to the centerline of the street. Edges shall be sealed with an asphalt tack coat before paving.

REVISIONS

2012 CITY OF HAILEY
STANDARD DRAWINGS

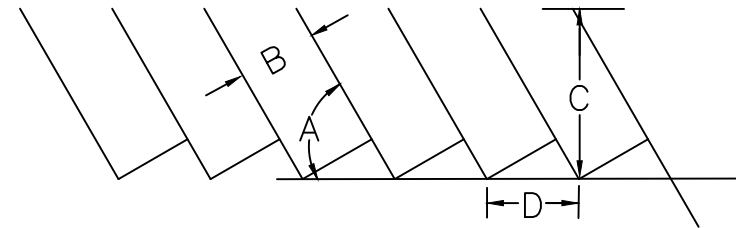
STREET WIDENING

18.14.012.G

DRAWING NO.

PARKING TABLES

A	B	C	D
0°	10'0"	10.0	25.0
60°	10'0"	20	11.5
90°	10'0"	21.0	10.0



PARKING PLAN LAYOUT

N.T.S.

- A. PARKING ANGLE
- B. STALL WIDTH
- C. STALL TO CURB
- D. CURB LENGTH PER CAR

REVISIONS

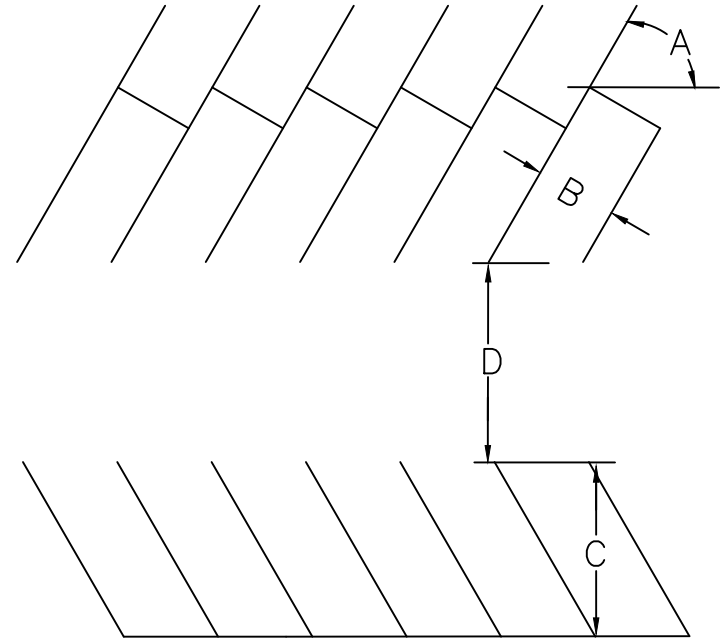
2012 CITY OF HAILEY
STANDARD DRAWINGS

ON-STREET PARKING
STANDARDS

18.14.012.H.1

DRAWING NO.

ON-SITE PARKING DIMENSIONS (shown in feet)			
Parking Angle (A)	Stall Width (B)	Stall Depth (C)	Aisle Width (D)
90	9	18	24
30	9	20	11
45	9	20	13
60	9	21	18
Parallel	8	22	N/A
ADA	11 (+5 for ADA aisle)	same as above	same as above
Compact	8	16	same as above



PARKING PLAN LAYOUT

N.T.S.

- A. PARKING ANGLE
- B. STALL WIDTH
- C. STALL DEPTH
- D. AISLE WIDTH

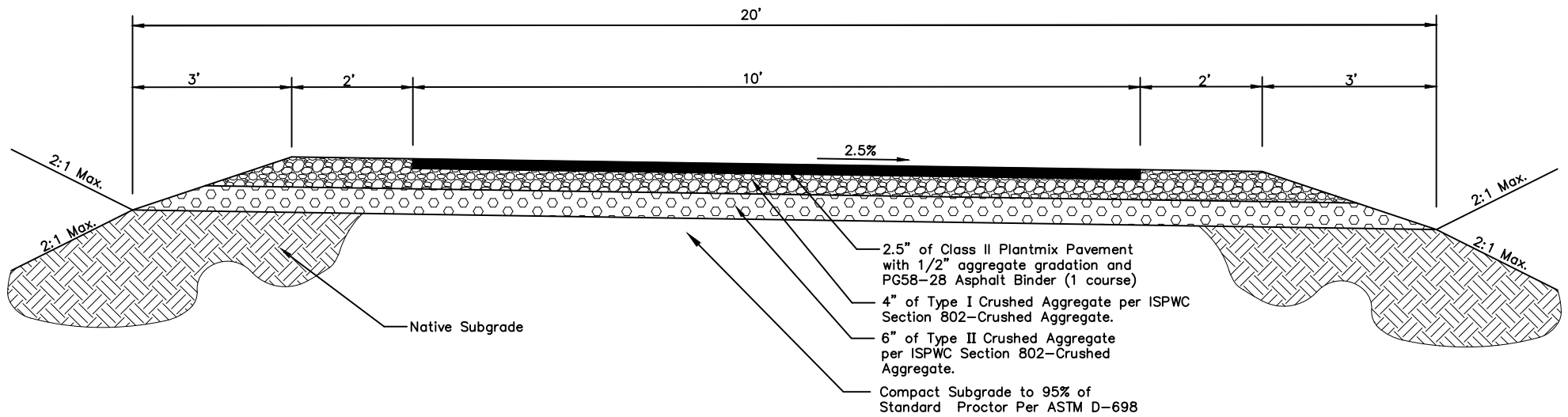
REVISIONS

2012 CITY OF HAILEY
STANDARD DRAWINGS

ON-SITE PARKING
STANDARDS

18.14.012.H.2

DRAWING NO.



TYPICAL PATHWAY SECTION
N.T.S.

NOTES

1. Tolerance for crown slope shall be 0.5%±.
2. Crushed Aggregate shall meet the requirements of the current edition of the ISPWC Standards-Section 802-Crushed Aggregate.

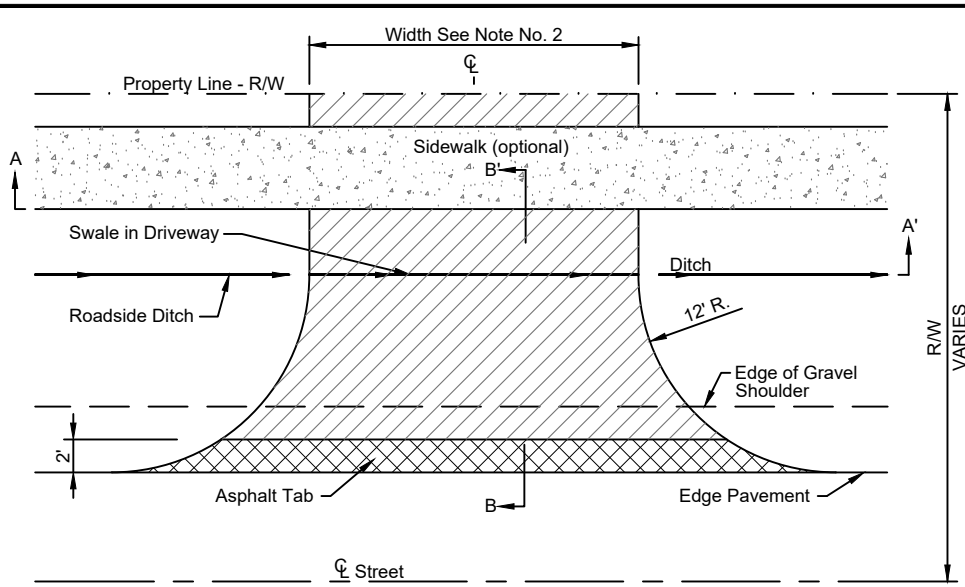
REVISIONS

2012 CITY OF HAILEY
STANDARD DRAWINGS

SHARED USE PATH

18.14.012.J

DRAWING NO.



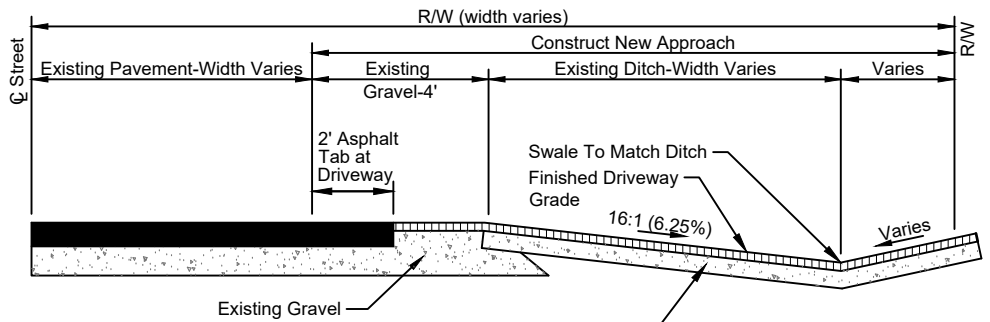
TYPICAL DRIVEWAY APPROACH

N.T.S.

NOTES

- All driveway approaches require special approval of the City Engineer before construction. A culvert may be substituted for the swale with prior approval. Minimum culvert size shall be 12" diameter.
- Minimum approach width for standard driveways:

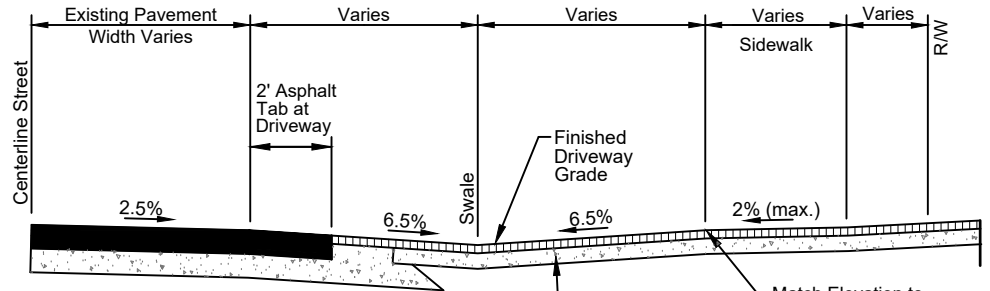
Residential	12-20 feet
Joint use	30 feet
Other zones	20-40 feet
- Driveway approaches to be the responsibility of the developer or lot owner.
- Residential approaches shall not be constructed closer than 10 feet from extended Property lines, **UNLESS STORM DRAINAGE, INCLUDING DRIVEWAY SWALE, IS INFILTRATED ONSITE.**
- Individual lot owners are responsible for maintenance of driveway and driveway shoulder. Any surface repair due to utility maintenance is at owner expense.
- Crushed aggregate shall meet the requirements of the current edition of the ISPWC standards-section 802-crushed aggregate.



Type I Crushed Aggregate per ISPWC Section 802-Crushed Aggregate Compacted to 95% of Standard Proctor Per ASTM D-698. 8" Depth Without Pavement, 4" Depth With 2" of Pavement.

SECTION B-B' (WITHOUT SIDEWALK)

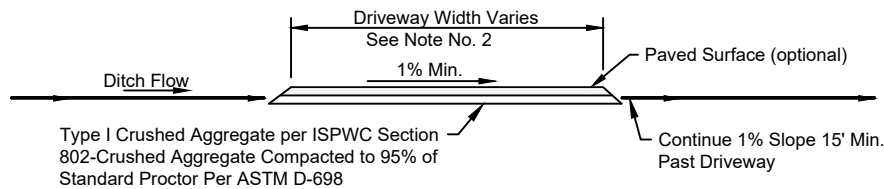
N.T.S.



Type I Crushed Aggregate per ISPWC Section 802-Crushed Aggregate Compacted to 95% of Standard Proctor Per ASTM D-698. 8" Depth Without Pavement, 4" Depth With 2" of Pavement.

SECTION B-B' (WITH SIDEWALK)

N.T.S.



SECTION A-A'

N.T.S.

REVISIONS

2018 CITY OF HAILEY
STANDARD DRAWINGS

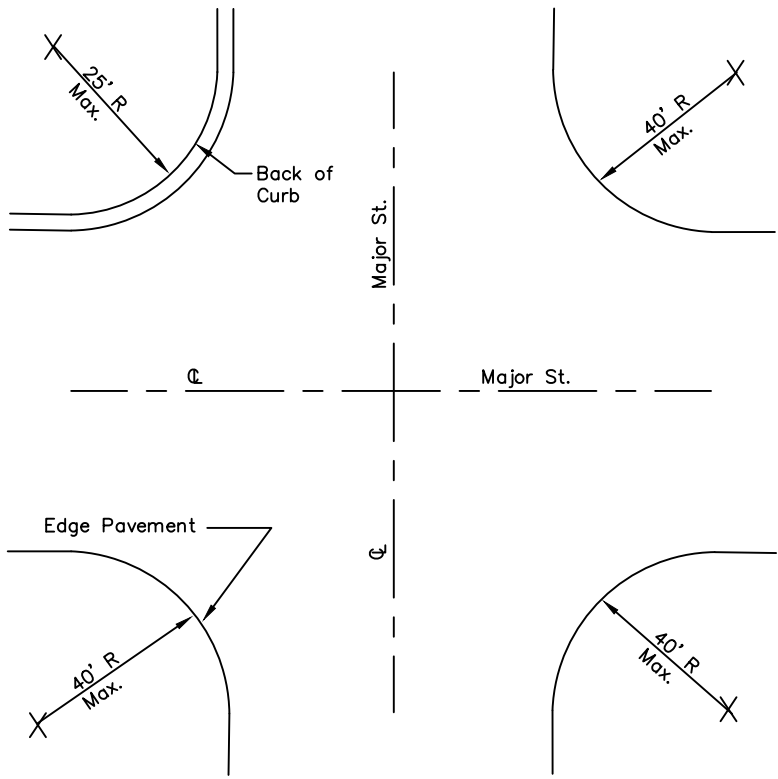
DRIVEWAY APPROACH

18.14.012.K

DRAWING NO.

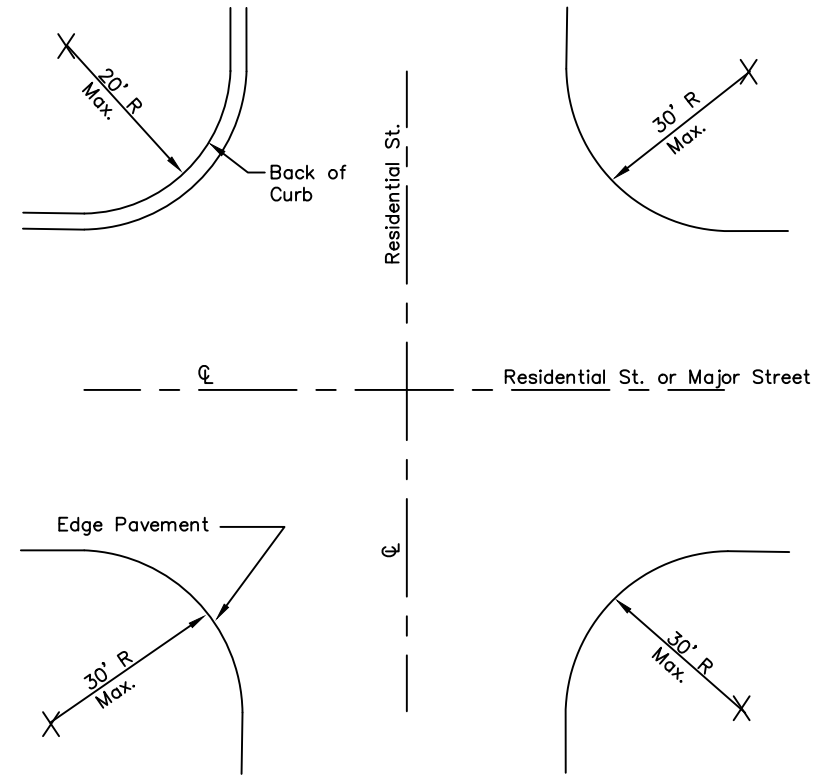
NOTES

1. A Major Street is considered to be all streets except those in residential developed areas.
2. Radii at intersections for Major Streets may vary due to various design vehicles & turning movements as determined by the engineer.



MAJOR STREET INTERSECTION

N.T.S.



RESIDENTIAL STREET INTERSECTION

N.T.S.

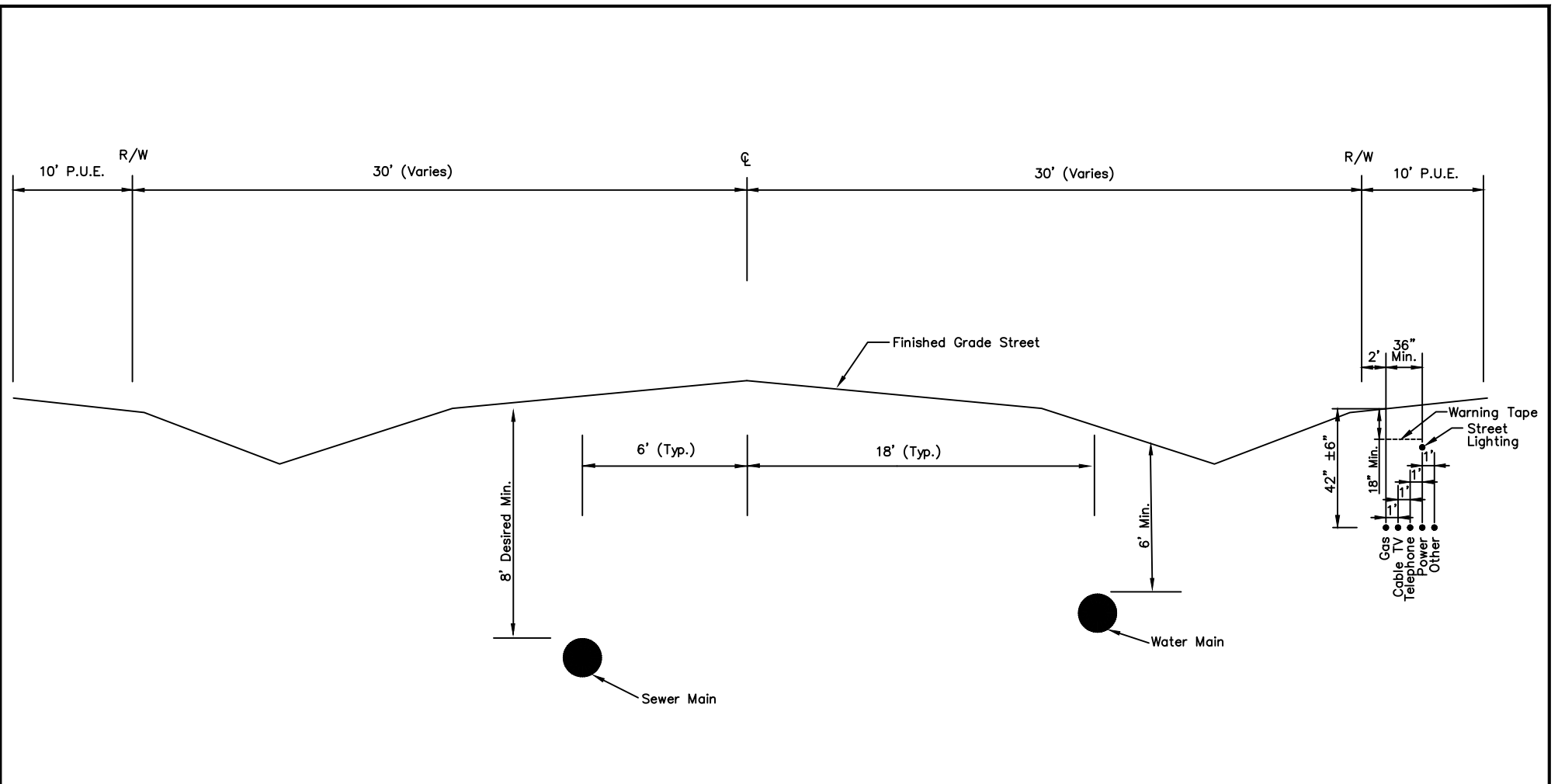
REVISIONS

2012 CITY OF HAILEY
STANDARD DRAWINGS

STREET RADIUS

18.14.012.L

DRAWING NO.



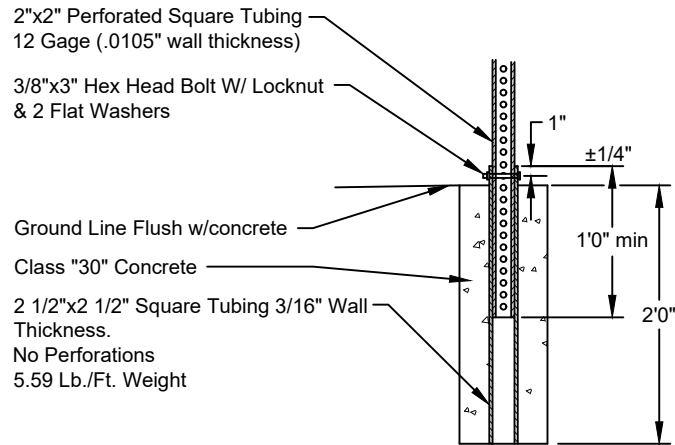
**TYPICAL RESIDENTIAL LOCATIONS FOR
UTILITY DISTRIBUTION FACILITIES**

N.T.S.

NOTES

1. This Typical Section is the desired layout for a new development.
2. Owner/Developer shall show all proposed utility locations on the Approved Construction Plan.
3. Power transformer boxes & telephone risers are to be located at lot corners not common with water services.

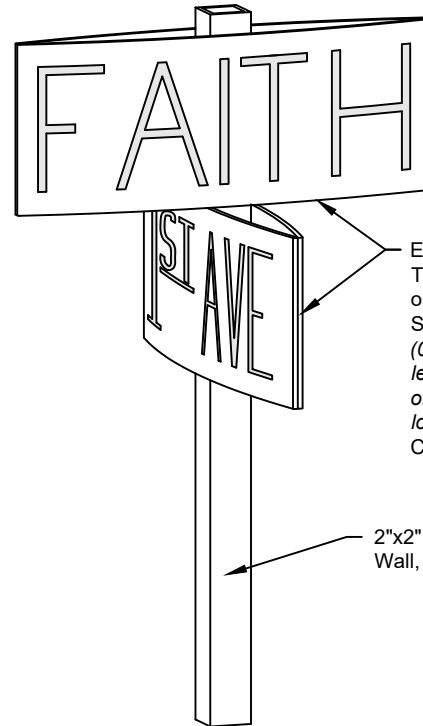
REVISIONS	2012 CITY OF HAILEY STANDARD DRAWINGS	TYPICAL UTILITY LOCATIONS	18.14.014.C <hr/> DRAWING NO.
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SIGN POST INSTALLATION DETAIL
WITH ONE PIECE ANCHOR POST
FOR USE IN CONCRETE SIDEWALKS
N.T.S.

NOTES:

1. Anchor sleeves shall be installed so that the holes will align and the top be flush with the sign post anchor.
2. All installations shall have 8" square concrete foundations or grouted into solid rock.



ROAD SIGN DETAIL
N.T.S.

NOTES:

1. All Street Signs shall be in accordance with the most current edition of the MUTCD.
2. Sign placement shall be approved by the City of Hailey.

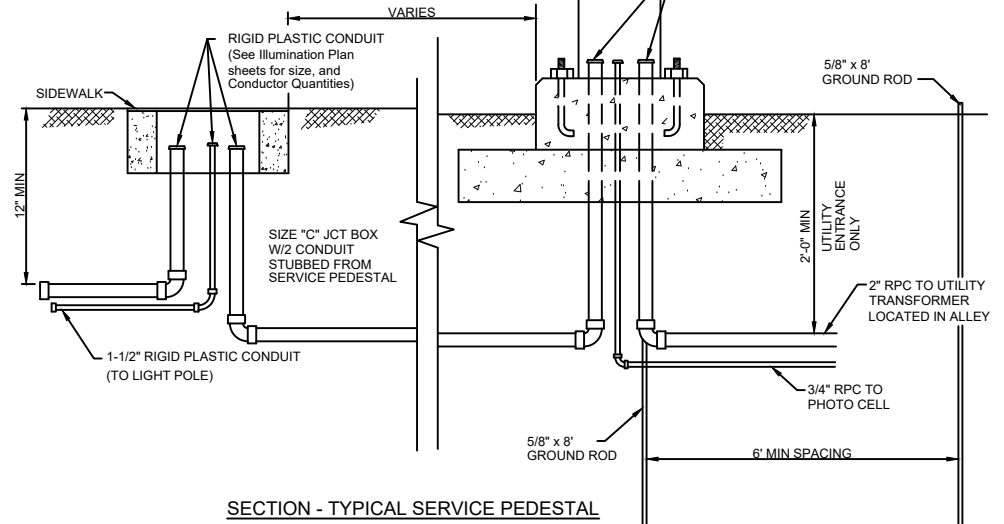
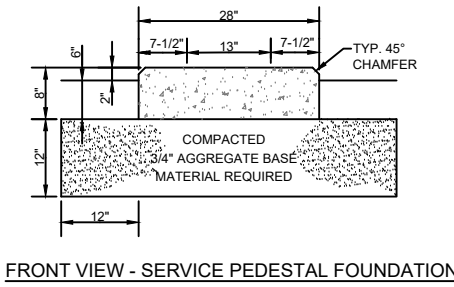
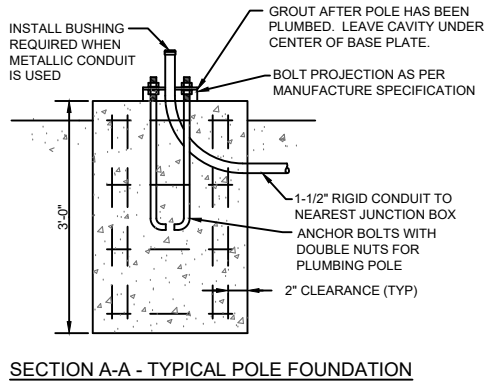
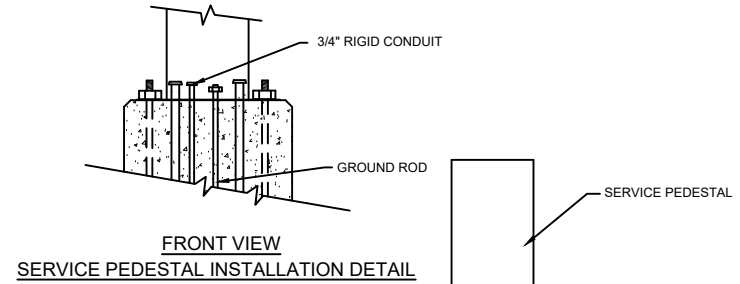
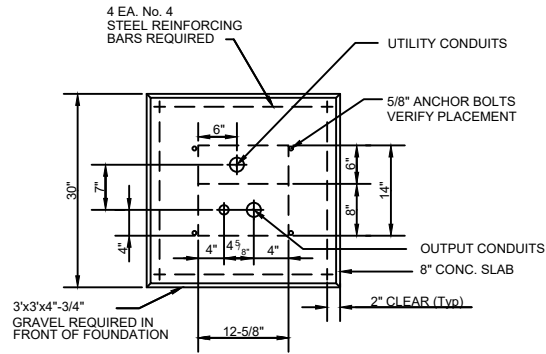
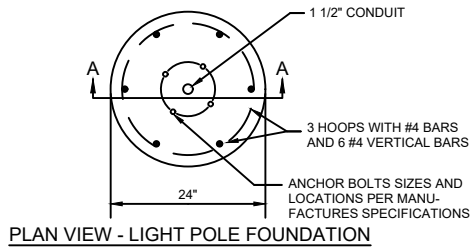
REVISIONS

2018 CITY OF HAILEY
STANDARD DRAWINGS

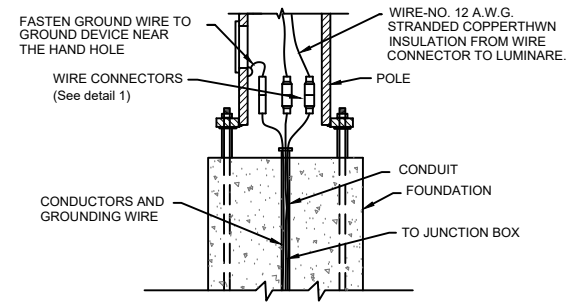
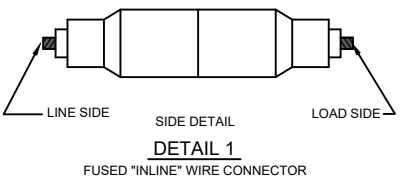
STREET SIGNS

18.14.014.D

DRAWING NO.



- NOTE:**
1. Non-fused wire connectors required on neutral of 120 volt to ground circuits.
 2. Non fusible link required on grounding conductors of all breakaway installations.
 3. Fused wire connectors required on 120 & 240 volt phase to phase to ground circuits.



- NOTES:**
1. The foundation shall be located as indicated on the project plan sheets.
 2. All conduits, elbows and couplings within and protruding from the foundation, shall be Rigid Steel. The remaining conduits shall be as shown on the plans.
 3. Stubouts shall be terminated with a Steel Bonded Bushing.
 4. Ground in accordance with N.E.C.
 5. Conduit shall be installed in such a manner as to not cause modification of the cabinet.
 6. Grade to provide drainage away from cabinet foundation.
 7. Service pedestal equipment shall be submitted and approved by the City Engineer.

REVISIONS	2018 CITY OF HAILEY STANDARD DRAWINGS	LIGHT POLE PEDESTAL DETAILS	18.14.014.E.1 DRAWING NO.
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Rockford Harbor Series Pole

Aluminum, SiteLink Straight L5J Shaft

Tenon: 4.38"x11", Finish: Holophane Black

(1)GFI Receptacle with Small, In-Use Weatherproof Cover

(1)Set 3/4"x18" Anchor Bolts

Cordoba Series Roadway Arm

w/QSM for For a Single Stem Mounted Fixture

Bern GlasWerks LED

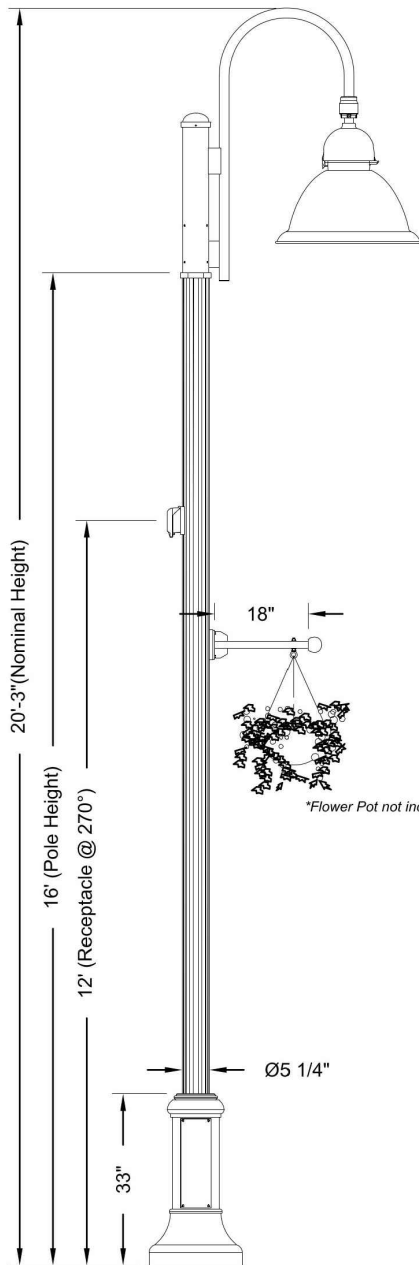
650mA Drive Current, 2700 Series CCT

AutoSensing Voltage (120-277)

Stem Mounting, Black Finish

Type 3 Symmetric Full Cutoff LED Distribution

Existing QSM Fitter



LOADING DATA

WIND LOADING :

90MPH

1.14 GUST

AASHTO 2013

INITIAL INSTALLATION:

4.62 SQ FT

(EQUIV. POLE TOP EPA)

141.0 LBS

(CURRENT LOADING WT)

FUTURE INSTALLATION:

20.0 SQ FT

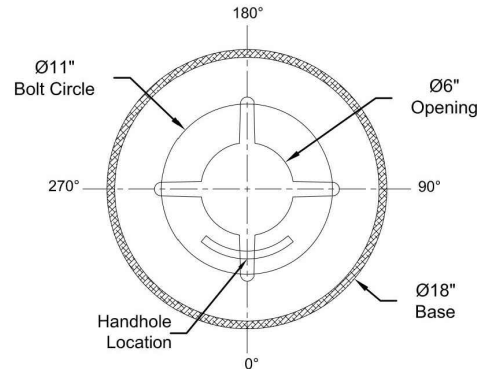
(ADD'TL EQUIV. POLE TOP EPA)

500.0 LBS

(ADD'TL LOADING CAPACITY)

*Flower Pot not included

Anchorage Detail



CUSTOMER NOTES:

1. CUSTOMER SHALL VERIFY RECEPTACLE LOCATION ON POLE AND PROVIDE PRIOR TO PRODUCTION.
2. **ANCHORAGE DETAIL PROVIDED FOR VISUAL ONLY - DO NOT USE TO SET ANCHOR BOLTS.**
3. SIGNED APPROVAL TO ACCOMPANY PO.

Catalog #'s:

Pole: RHA16L5J18PXX(4.38X11)BK R144D RFD319568

Anchor Bolts: AB-31-4

Receptacle: FGIUS-SBKH

Planter Arm: PBA18L45B4BK RFD319568

Roadway Arm: CR30/1CABK-QSM

Fixture: GBLF2P4027KAS4BL3 RFD319569

Customer Signature

Date

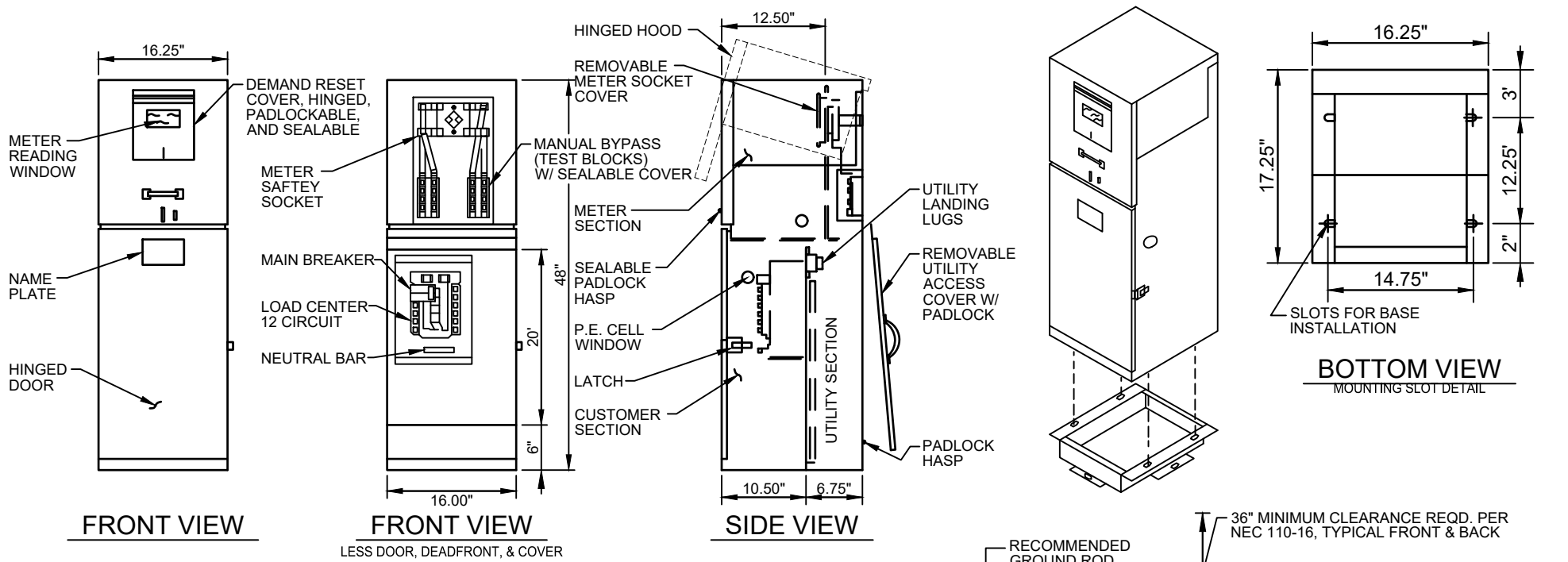
REVISIONS

2021 CITY OF HAILEY
STANDARD DRAWINGS

STREET LIGHT DETAIL

18.14.014.E.2

DRAWING NO.



STANDARD FEATURES:

- STANDARD VOLTAGE 120/240V 1Ø 3W.
- METER SOCKET: 4 JAW, 100 AMPS OR 200 AMPS.
- METER SOCKET WITH TEST BLOCKS.
- 12 CIRCUIT COPPER BUSSED INTERIOR.
- MAIN BREAKER: 100 AMP OR 200 AMP, 10K AIC.
- UTILITY LANDING LUGS: 200 AMPS, 250 KCMIL.
- UTILITY TEST SECTION.
- VANDAL-RESISTANT HINGED DOOR AND DEAD FRONT.
- LIGHT GREEN POWER COAT FINISHED IN ACCORDANCE WITH ASTM B-117. CUSTOM COLORS AVAILABLE.

SPECIFICATIONS:

- 12-GUAGE CORROSION- RESISTANT ZINC COATED STEEL CONSTRUCTION. HOOD AND COVERS 14-GUAGE.
- RAINPROOF TYPE 3R ENCLOSURE.
- COMPLIES WITH CALTRANS SPECIFICATION ES-2E.
- MEETS EUSERC 308 REQUIREMENTS.
- ALL FACTORY WIRING IS 600 VOLT RATED COPPER.
- ACCEPTABLE CIRCUIT BREAKERS ARE GE, ITE, CROUSE-HINDS/MURRAY, CUTLER-HAMMER.
- SUITABLE FOR USE WITHOUT MAIN WHEN NO MORE THAN SIX SERVICE DISCONNECTS ARE INSTALLED AND USED IN ACCORDANCE WITH ARTICLE 384 OF THE NEC.
- LISTED BY UNDERWRITERS LABORATORIES, INC. 12-GUAGE

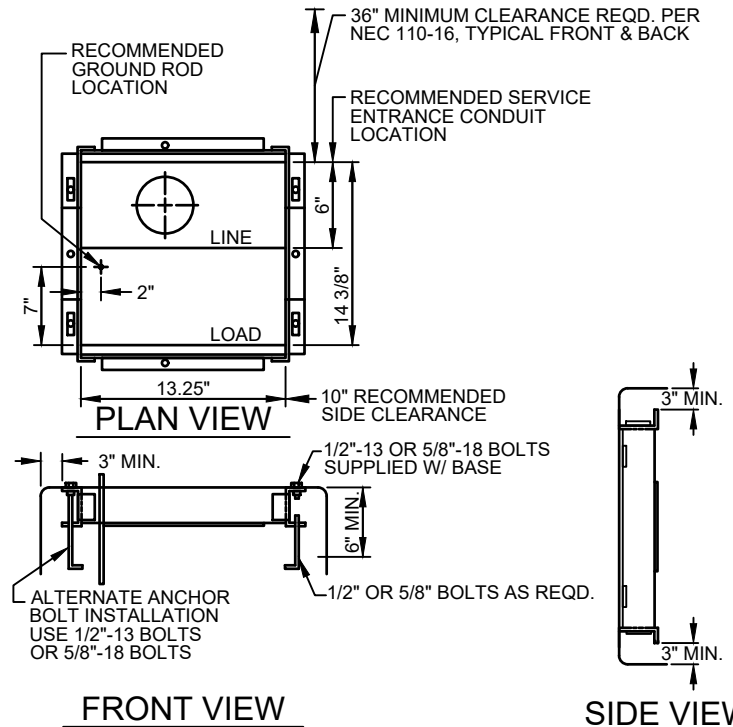
OPTIONAL FEATURES:

- MAXIMUM VOLTAGE 480Y/277V 3Ø 4W (MAY EFFECT OPTION EQUIPMENT)
- 12 CIRCUIT INTERIOR MAY BE INCREASED TO 30 CIRCUIT.
- HIGHER AIC AVAILABLE UPON REQUEST.
- P.E. CELL, TEST SWITCH, LIGHTING RELAY MAY BE ADDED TO STANDARD.
- SOME EQUIPMENT MODIFICATIONS AVAILABLE. CONSULT YOUR FACTORY REPRESENTATIVE.
- METER SOCKETS: 5 JAW OR 7 JAW, 100 AMPS OR 200 AMPS.
- UNI-BODY CONSTRUCTION AVAILABLE IN STEEL, STAINLESS STEEL, AND ALUMINUM.
- PAD MOUNTING BASE AVAILABLE FOR CONCRETE FOUNDATION. ORDER SEPARATELY - MEUG16-BASE.
- ANCHOR BOLTS. ORDER SEPARATELY - 714548 (QUANTITY 4)

STANDARD MODELS

CATALOG NO.	AMPS	VOLTAGE	MAIN	AIC RATING
MEUG16-M100	100	120/240	100A	10,000
MEUG16-M200	200	120/240	200A	10,000

FOR ALUMINUM ENCLOSURE, ORDER MEUG16A-
FOR STAINLESS STEEL ENCLOSURE, ORDER MEUG16X-



MEUG16 CALTRANS TYPE III-BF

REVISIONS

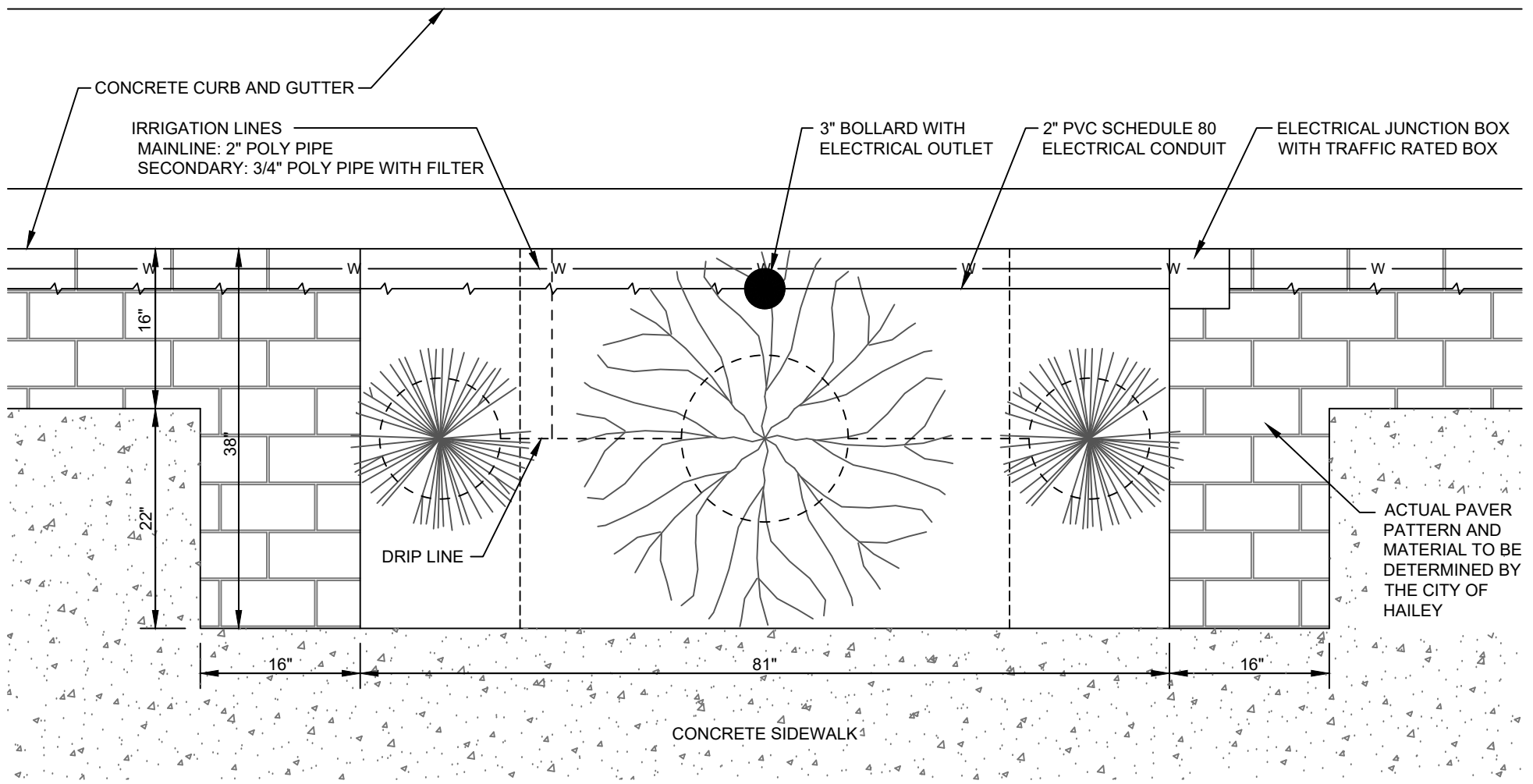
2018 CITY OF HAILEY
STANDARD DRAWINGS

LIGHT CONTROL DETAIL

18.14.014.E.3

DRAWING NO.

PAVED ROADWAY



N.T.S.

NOTE:

1. TREE TYPE / GRASS DETERMINED BY THE CITY ARBORIST.
2. SEE CITY ORDINANCE 18.06.026 FOR STREET TREES GUIDELINES AND STANDARDS.

REVISIONS	2020 CITY OF HAILEY STANDARD DRAWINGS	TREE WELL DETAIL	18.14.014.F DRAWING NO.
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