CITY OF CLEARFIELD

Construction and Development Standards

September 2014

SUBMITTED & RECOMMENDED

City Engineer

APPROVAL

Mark R. Shepherd
Mayor

Scott Hodge
Public Works Director

INDEX OF DRAWINGS

CIVIL ENGINEERING CONSULTANTS, PLLC.
5141 SOUTH 1500 WEST
RIVERDALE, UT 84405
801.866.0550

NO.	DATE	BY	REVISIONS

DATE: SEPTEMBER 2014
DRAWN: JLS
CHECKED: NSN

PROJECT / LOCATION: CLEARFIELD CITY STANDARDS

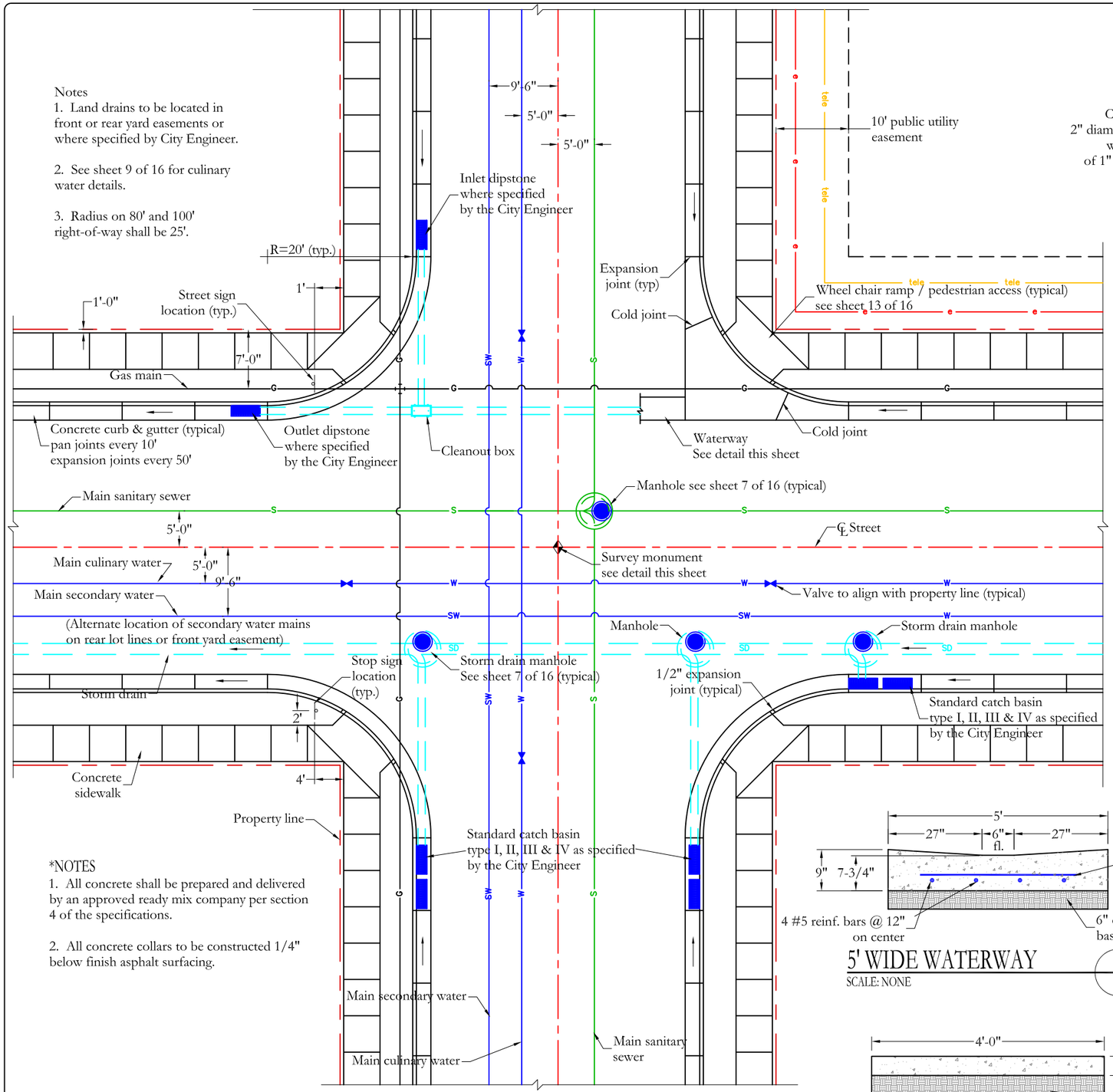
TITLE: TITLE SHEET

CLIENT: CLEARFIELD CITY
PROJECT NUMBER: CITY STANDARDS
FILE: 01_CLRCOVER.dwg
SHEET: 1of 17

Notes
1. Land drains to be located in front or rear yard easements or where specified by City Engineer.

2. See sheet 9 of 16 for culinary water details.

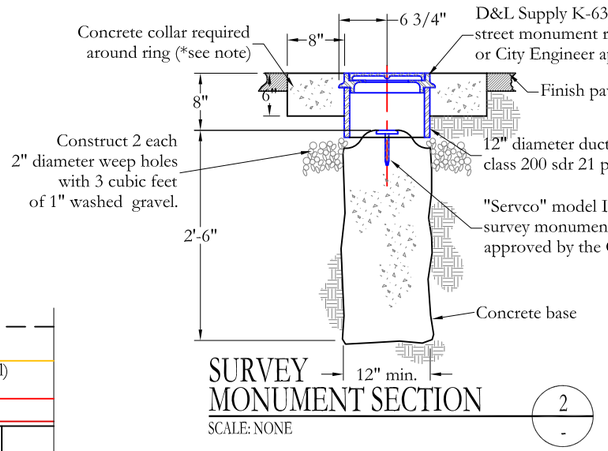
3. Radius on 80' and 100' right-of-way shall be 25'.



*NOTES
1. All concrete shall be prepared and delivered by an approved ready mix company per section 4 of the specifications.

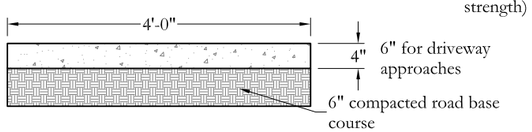
2. All concrete collars to be constructed 1/4" below finish asphalt surfacing.

STANDARD INTERSECTION DETAILS 1
SCALE: NONE

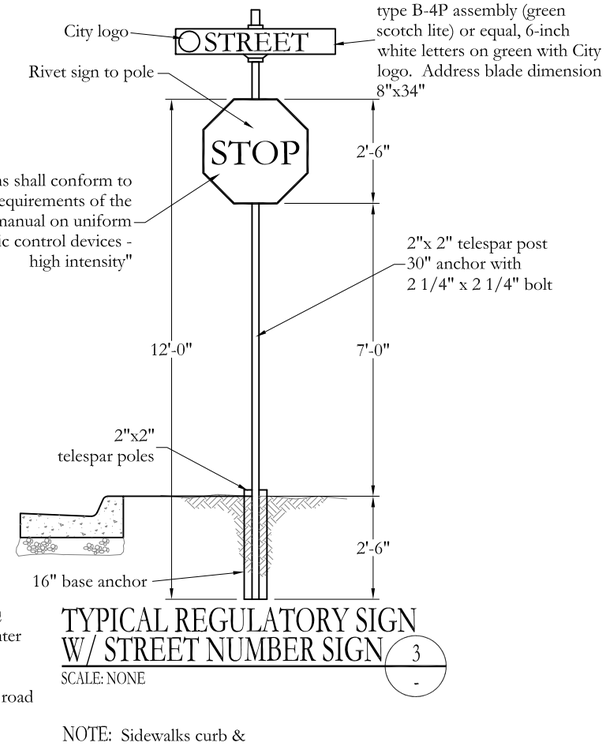


SURVEY MONUMENT SECTION 2
SCALE: NONE

5' WIDE WATERWAY 4
SCALE: NONE

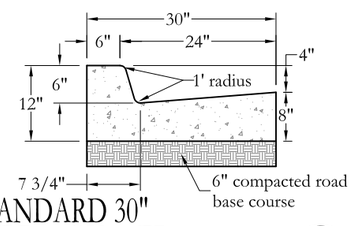


SIDEWALK SECTION 5
SCALE: NONE



TYPICAL REGULATORY SIGN W/ STREET NUMBER SIGN 3
SCALE: NONE

NOTE: Sidewalks curb & gutter and cross drains shall be constructed with class "B" concrete (3500 psi 28 day compressive strength)



STANDARD 30" CURB & GUTTER 6
SCALE: NONE

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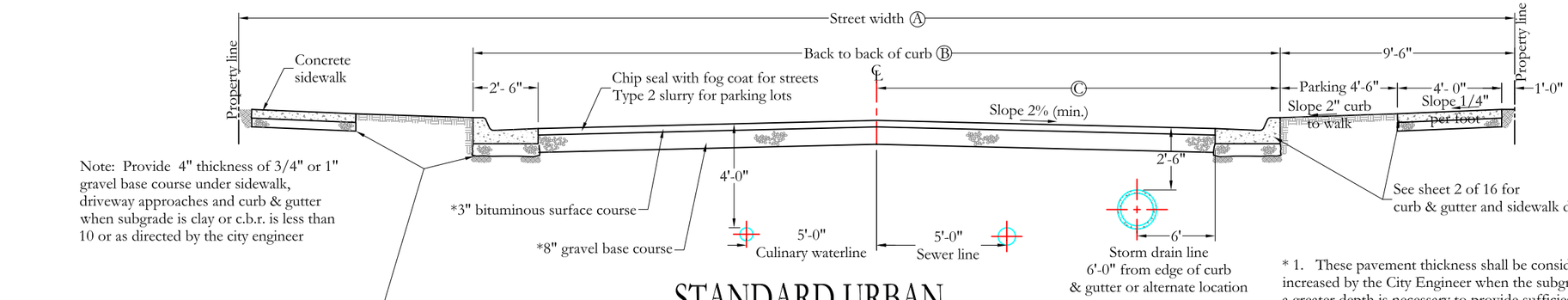
NO.	DATE	BY	REVISIONS

DATE: SEPTEMBER 2014
DRAWN: JLS
CHECKED: NSN

PROJECT / LOCATION: CLEARFIELD CITY STANDARDS

TITLE: TYPICAL STREET INTERSECTION

CLIENT: CLEARFIELD CITY
PROJECT NUMBER: CITY STANDARDS
FILE: 02_STR_INTERSECT.dwg
SHEET: 2of 17



STANDARD URBAN ROADWAY SECTION

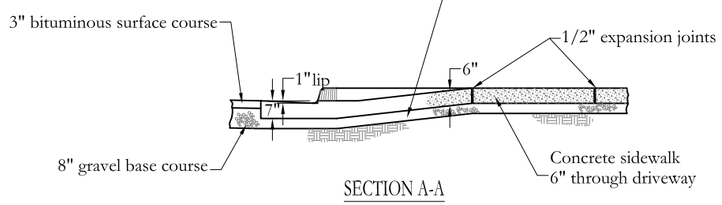
SCALE: NONE

1

-

* 1. These pavement thickness shall be considered as minimums and may be increased by the City Engineer when the subgrade c.b.r. is less than 10 or when a greater depth is necessary to provide sufficient stability. Developer may submit an alternative pavement design based on a detailed soils analysis for approval by the City Engineer.

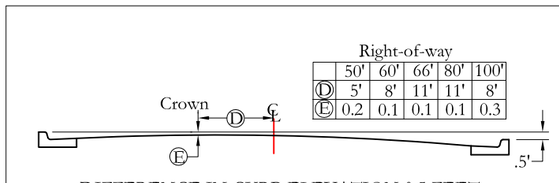
2. Minor & major arterial streets shall be constructed with a 10" untreated base course & 3" bituminous surface course or as required by the City Engineer.



SECTION A-A

Street designation	Row width Ⓐ	tbc to tbc Ⓑ	℄ to tbc Ⓒ
Standard residential	60'	41'	20.5'
Collector	66'	47'	23.5'
Minor arterial▲	80'	61'	30.5'
Major arterial▲	100'	81'	40.5'

NOTE:
1. Maximum difference in elevation between curb on opposite side of street shall not exceed 1'-0".
▲2. On arterial streets the city engineer will provide a pavement design. location of sidewalk and curb & gutter may vary on individual arterial streets per direction of the City Engineer.



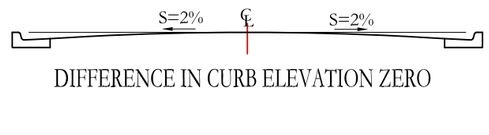
DIFFERENCE IN CURB ELEVATION 0.5 FEET

CROWN LOCATIONS FOR VARIOUS CROSS SLOPES

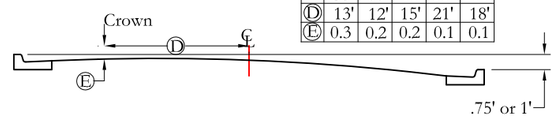
SCALE: NONE

2

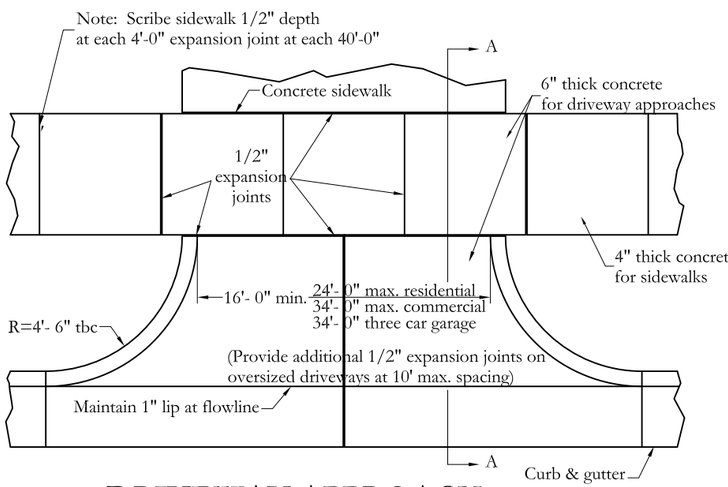
-



DIFFERENCE IN CURB ELEVATION ZERO



DIFFERENCE IN CURB ELEVATION 0.75 FEET OR 1.0 FEET

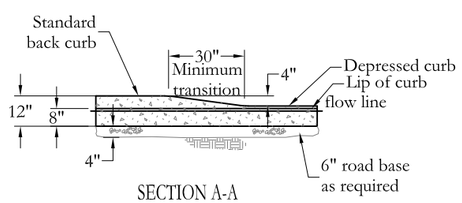


DRIVEWAY APPROACH CURB RADIUS STYLE

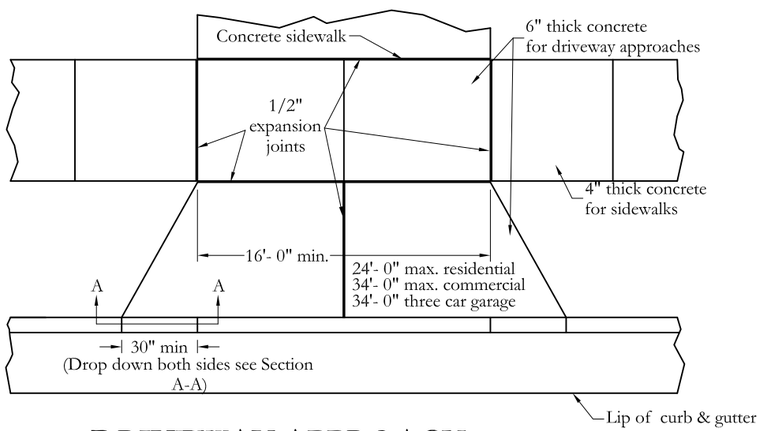
SCALE: NONE

3

-



SECTION A-A



DRIVEWAY APPROACH DROP DOWN STYLE

SCALE: NONE

4

-

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NO.	DATE	BY	REVISIONS

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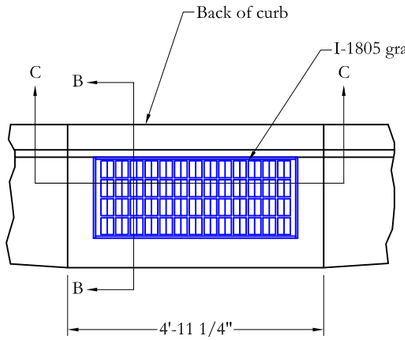
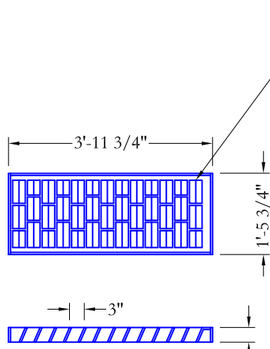
PROJECT / LOCATION: CLEARFIELD CITY STANDARDS

TITLE: TYPICAL ROADWAY IMPROVEMENTS

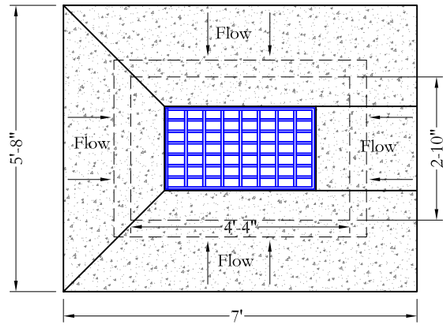
CLIENT: CLEARFIELD CITY
PROJECT NUMBER: CITY STANDARDS
FILE: 03_ROAD _IMPROV.dwg
SHEET: 3of 17



PLAN

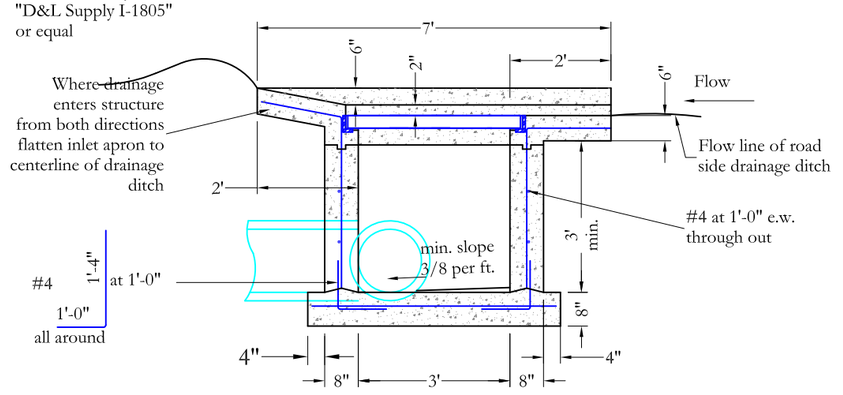


GRATE DETAIL

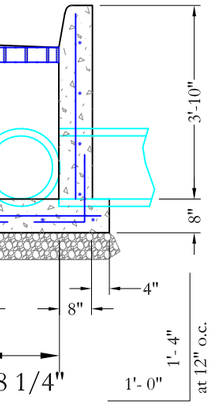


PLAN VIEW

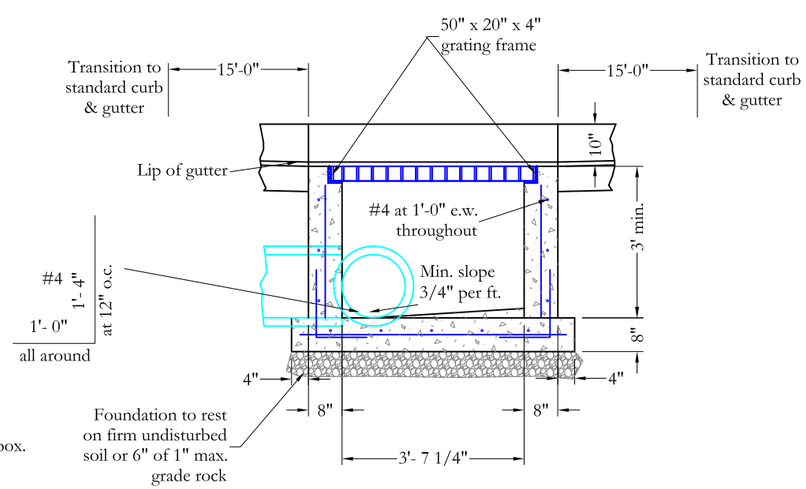
NOTE:
Grate to be bicycle safe "D&L Supply I-1805" or equal



SECTION C-C

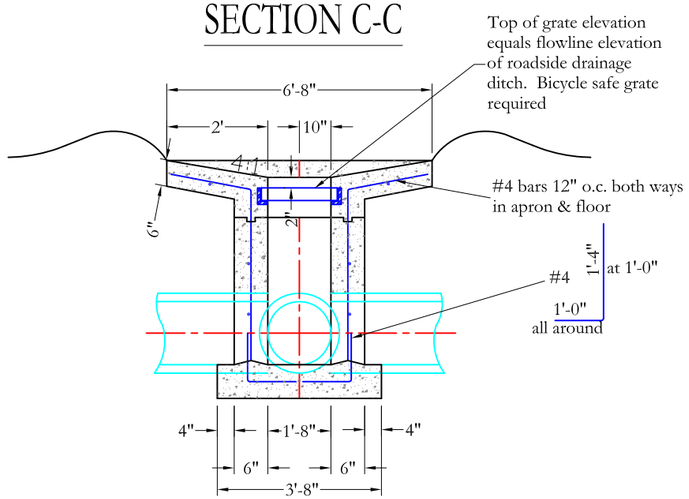


SECTION 'B'



SECTION 'C'

NOTE:
Details here are for "cast-in-place" box.



SECTION B-B

STANDARD HOODED CATCH BASIN

1 / -

SCALE: NONE

RURAL CATCH BASIN

2 / -

SCALE: NONE

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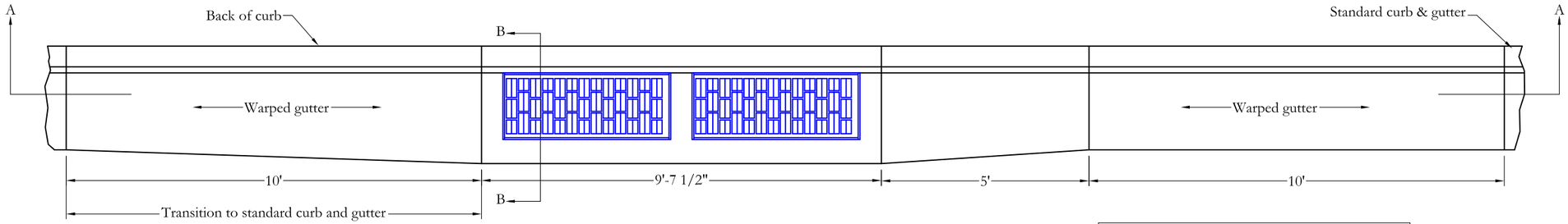
PROJECT / LOCATION: CLEARFIELD CITY STANDARDS

TITLE: STORM WATER HOODED & RURAL CATCH BASINS

CLIENT: CLEARFIELD CITY
PROJECT NUMBER: CITY STANDARDS
FILE: 04_HOODED_BASIN.dwg
SHEET: 4of 17

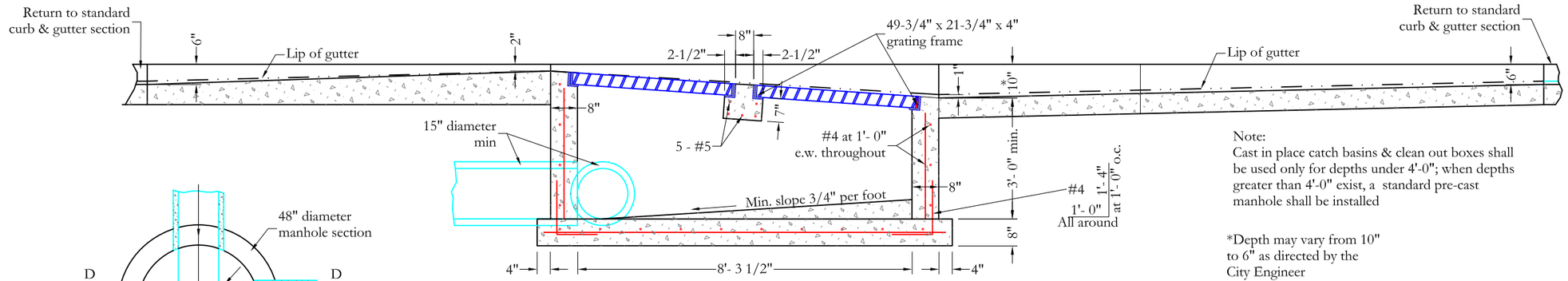


CATCH BASIN TYPE I PLAN VIEW

1 / -

SCALE: NONE

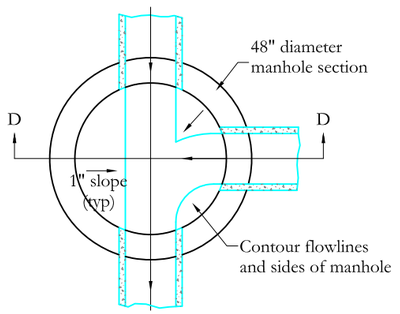
CATCH BASIN SCHEDULE		
Type	Grates	Runoff Collection
I	Double	One direction
II	Single	One direction
III	Double	Two directions
IV	Single	Two directions



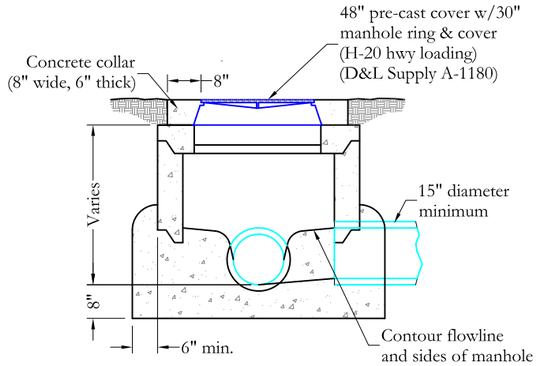
Note:
Cast in place catch basins & clean out boxes shall be used only for depths under 4'-0"; when depths greater than 4'-0" exist, a standard pre-cast manhole shall be installed

*Depth may vary from 10" to 6" as directed by the City Engineer

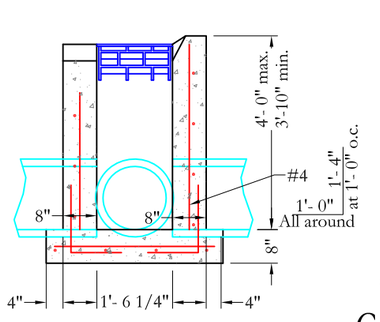
SECTION 'A'



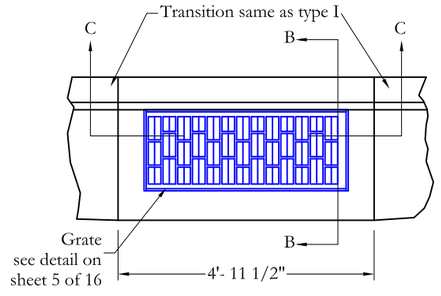
PLAN CLEANOUT



SECTION 'D'



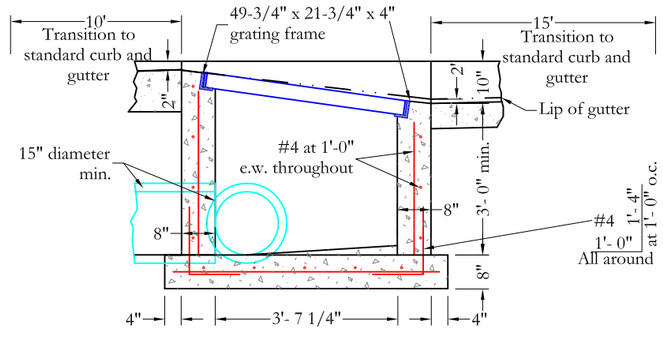
SECTION 'B'



CATCH BASIN TYPE II PLAN VIEW

2 / -

SCALE: NONE



SECTION 'C'

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801.866.0550

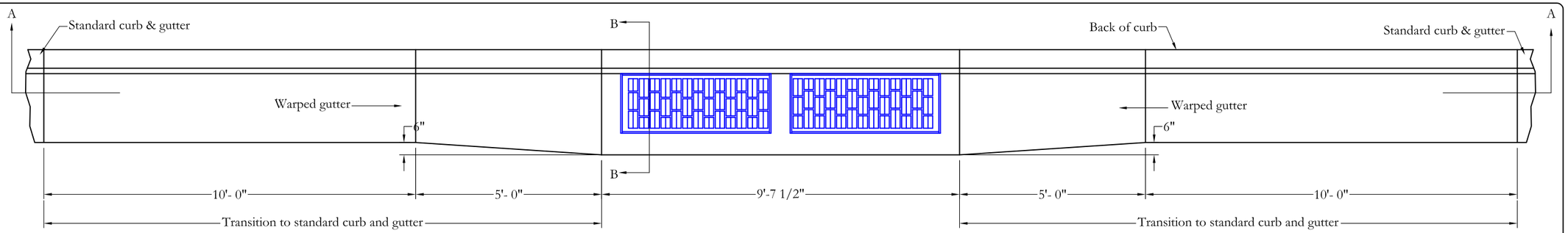
NO.	DATE	BY	REVISIONS

DATE: SEPTEMBER 2014
DRAWN: JLS
CHECKED: NSN

PROJECT / LOCATION: CLEARFIELD CITY STANDARDS

TITLE: TYPE I & TYPE II CATCH BASINS/CLEANOUT

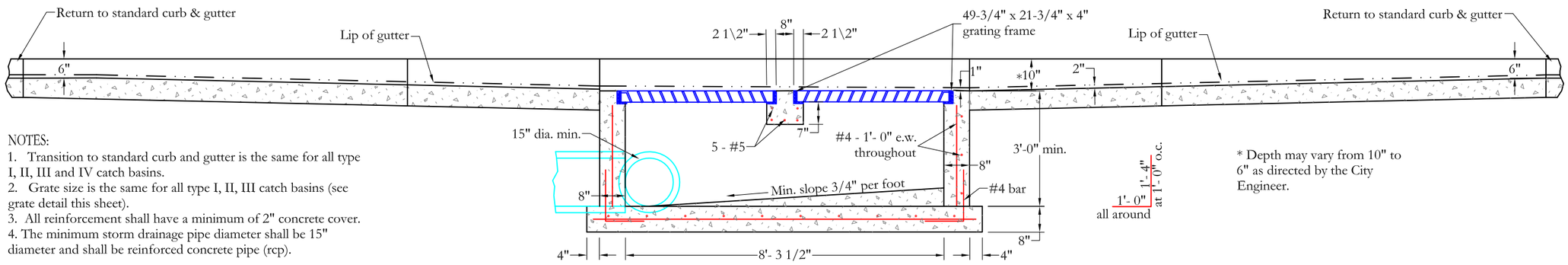
CLIENT: CLEARFIELD CITY
PROJECT NUMBER: CITY STANDARDS
FILE: 05_1-2_ CATCH_BASIN.dwg
SHEET: 5of 17



CATCH BASIN - TYPE III
PLAN VIEW

1
-

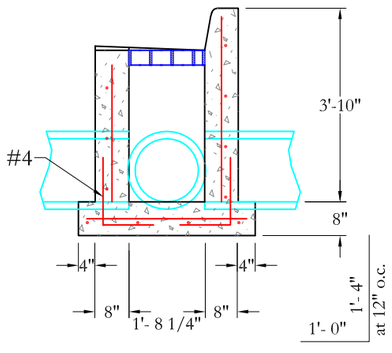
SCALE: NONE



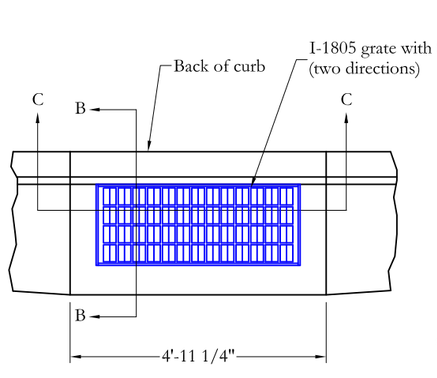
NOTES:
1. Transition to standard curb and gutter is the same for all type I, II, III and IV catch basins.
2. Grate size is the same for all type I, II, III catch basins (see grate detail this sheet).
3. All reinforcement shall have a minimum of 2" concrete cover.
4. The minimum storm drainage pipe diameter shall be 15" diameter and shall be reinforced concrete pipe (rcp).

* Depth may vary from 10" to 6" as directed by the City Engineer.

SECTION 'A'



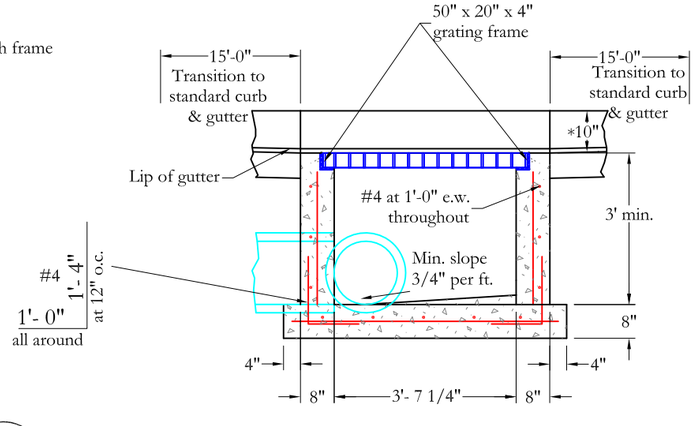
SECTION 'B'



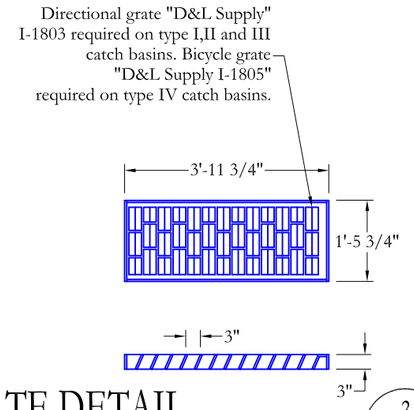
CATCH BASIN - TYPE IV
PLAN VIEW

2
-

SCALE: NONE



SECTION 'C'



GRATE DETAIL

3
-

SCALE: NONE

NOTE: Details here are for "cast-in-place" box.

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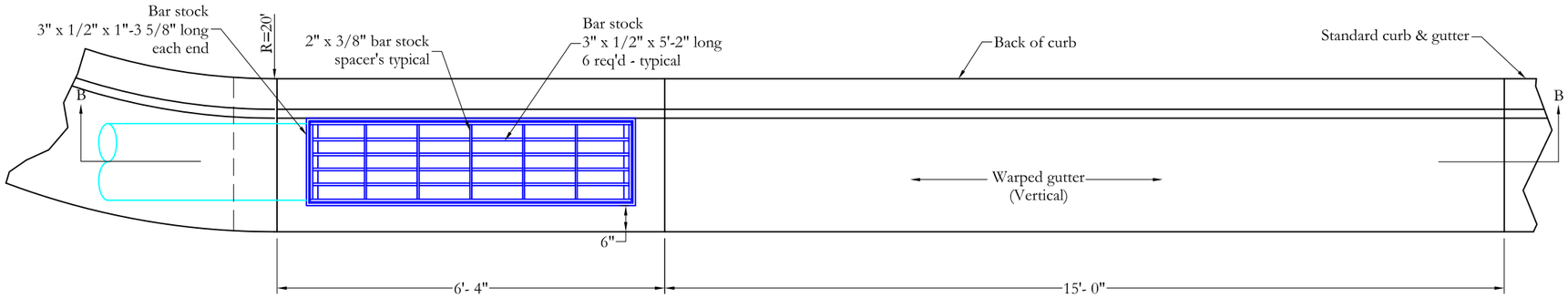
NO.	DATE	BY	REVISIONS

DATE: SEPTEMBER 2014
DRAWN: JLS
CHECKED: NSN

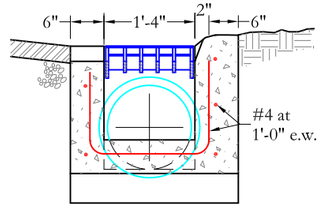
PROJECT / LOCATION: CLEARFIELD CITY STANDARDS

TITLE: TYPE III & TYPE IV CATCH BASINS/GRATE DETAIL

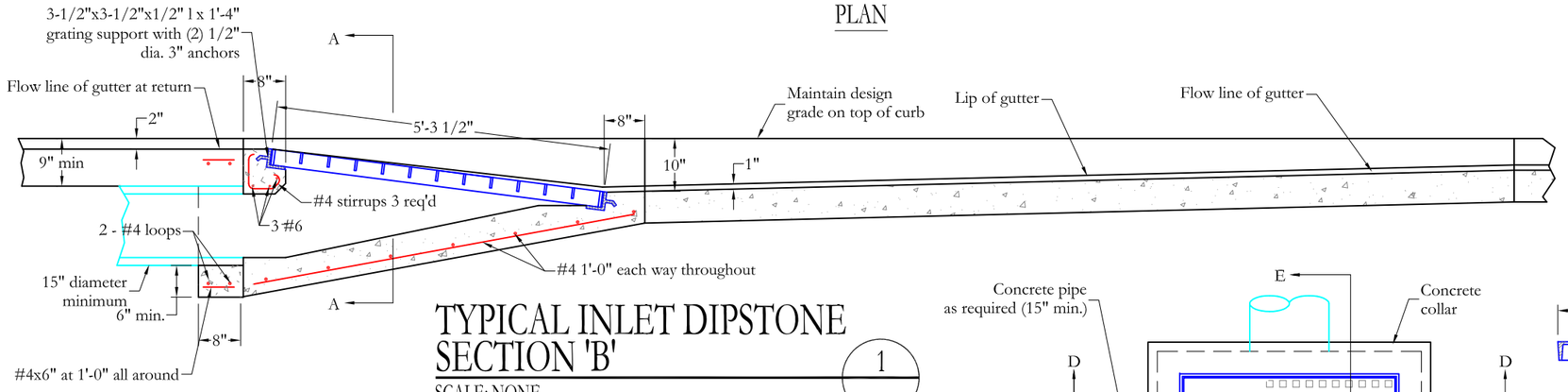
CLIENT: CLEARFIELD CITY
PROJECT NUMBER: CITY STANDARDS
FILE: 06_3-4_ CATCH_BASIN.dwg
SHEET: 6of 17



PLAN



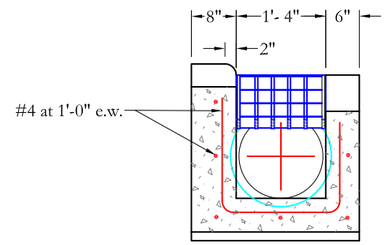
SECTION 'A'



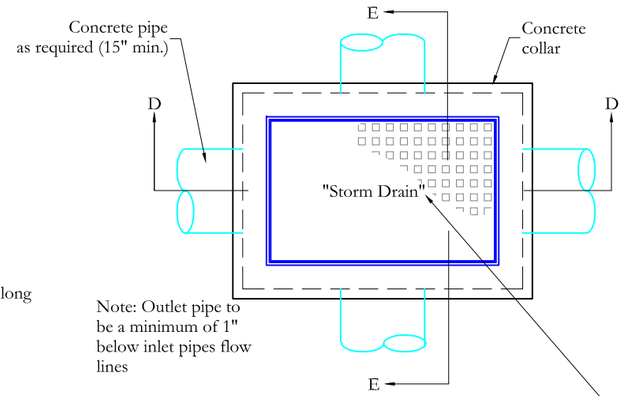
TYPICAL INLET DIPSTONE SECTION 'B'

SCALE: NONE

1
-

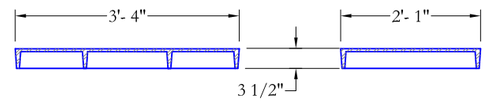


SECTION 'C'

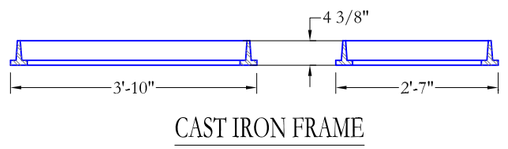


Note: Outlet pipe to be a minimum of 1" below inlet pipes flow lines

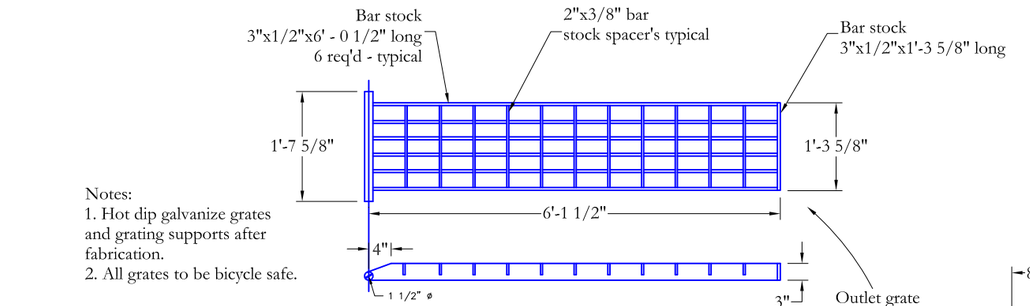
TYPICAL DIPSTONE PIPE CLEANOUT



CAST IRON COVER



CAST IRON FRAME

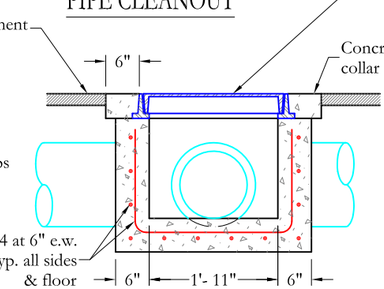


Notes:
1. Hot dip galvanize grates and grating supports after fabrication.
2. All grates to be bicycle safe.

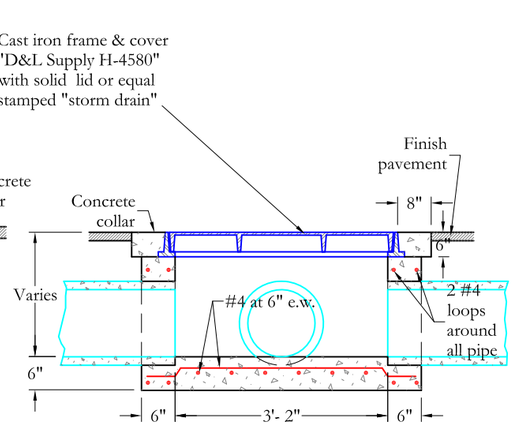
TYPICAL SECTION OUTLET DIPSTONE

SCALE: NONE

2
-



SECTION "E"



SECTION "D"

CIVIL ENGINEERING CONSULTANTS, PLLC.
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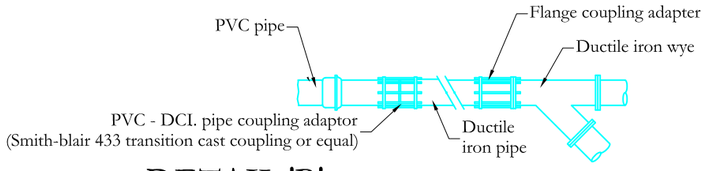
NO.	DATE	BY	REVISIONS

DATE: SEPTEMBER 2014
DRAWN: JLS
CHECKED: NSN

PROJECT / LOCATION: CLEARFIELD CITY STANDARDS

TITLE: INLET & OUTLET DIPSTONE DETAILS/CLEANOUT

CLIENT: CLEARFIELD CITY
PROJECT NUMBER: CITY STANDARDS
FILE: 07_DIPSTONE_CLEAN-O.dwg
SHEET: 7of 17



DETAIL 'B'
TYPICAL CONNECTION OF DI PIPETO PVC PIPE

1 / -

SCALE: NONE

Drop Manhole Notes:

1. Use drop manhole only when drop exceeds 2'- 0".

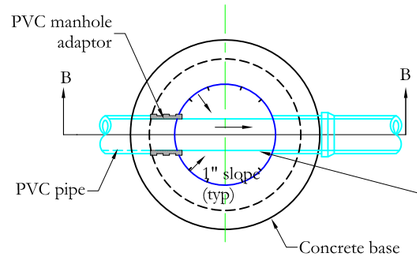
2. For construction dimension of drop manhole see junction manhole detail his sheet.

3. All pipe for drop manhole to be flanged ductile iron pipe or alternate schedule 40 pvc if encased in 3/4" washed gravel minimum 6" cover.

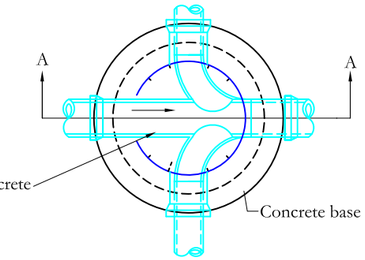
NOTES:

1. All storm drain, sanitary sewer and land drain manholes and cleanout structures must have shaped concrete troughs and aprons.

2. Manhole lids must be labeled appropriately to reflect use of structure, i.e. storm drain, sewer, land drain, water, communications, irrigation and electrical.



PLAN



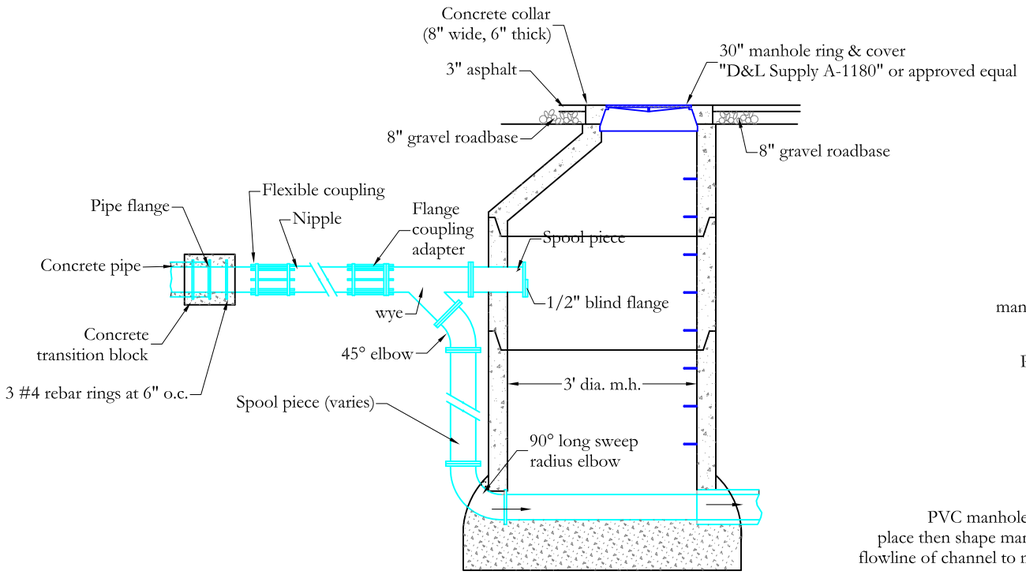
PLAN

NOTES:

1. Cast in place manhole shown precast reinforced manhole acceptable.

2. Rubber boot joints with stainless steel connection band is acceptable substitutes for standard joints shown.

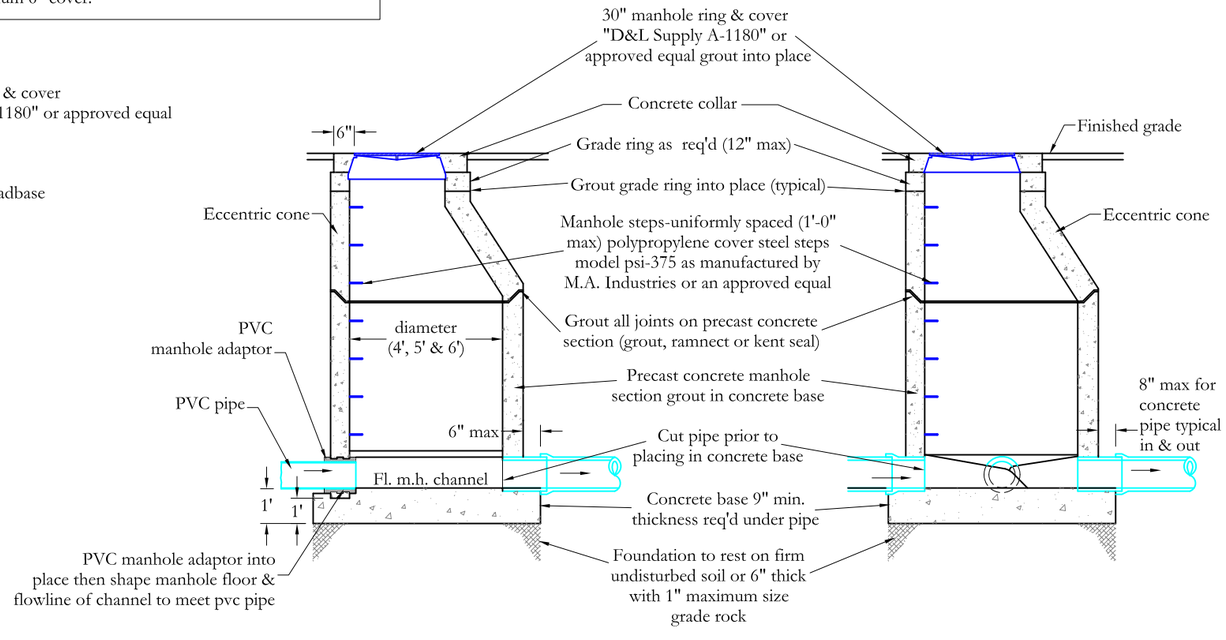
3. Piping outside of manhole may be schedule 40 pvc if encased in 3/4" washed gravel, minimum 6" cover.



DETAIL 'A' - TYPICAL CONNECTION OF D.I. PIPE TO CONCRETE PIPE PIPE TO DROP MANHOLE

2 / -

SCALE: NONE



LINE MANHOLE SECTION 'B'

3 / -

SCALE: NONE

JUNCTION MANHOLE SECTION 'A'

4 / -

SCALE: NONE

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RIVERDALE, UT 84405
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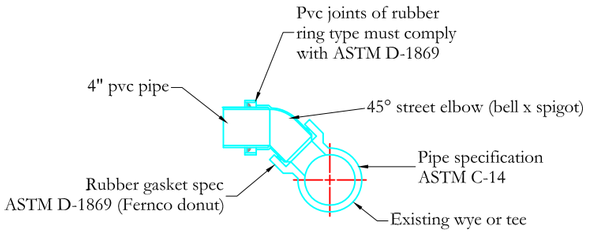
NO.	DATE	BY	REVISIONS

DATE: SEPTEMBER 2014
DRAWN: JLS
CHECKED: NSN

PROJECT / LOCATION: CLEARFIELD CITY STANDARDS

TITLE: MANHOLE DETAILS

CLIENT: CLEARFIELD CITY
PROJECT NUMBER: CITY STANDARDS
FILE: 08_MH_DETAILS.dwg
SHEET: 8of 17



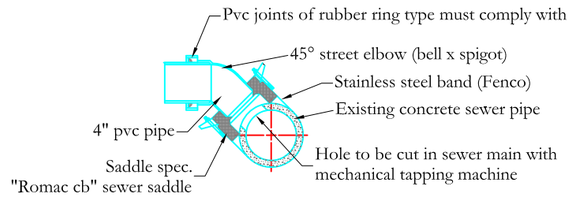
CONNECTION INTO CONCRETE WYE (WITH 45° ELBOW)

A

-

SCALE: NONE

NOTE: Pvc pipe fittings
ASTM D-3034 with a SDR 35



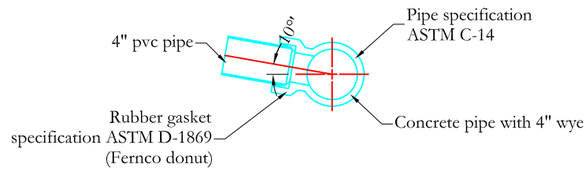
TAPPING INTO EXISTING CONCRETE PIPE

B

-

SCALE: NONE

NOTE: When connection is made into existing concrete wye the wye must be rotated to a minimum of 10° and a maximum of 45° from the horizontal as shown

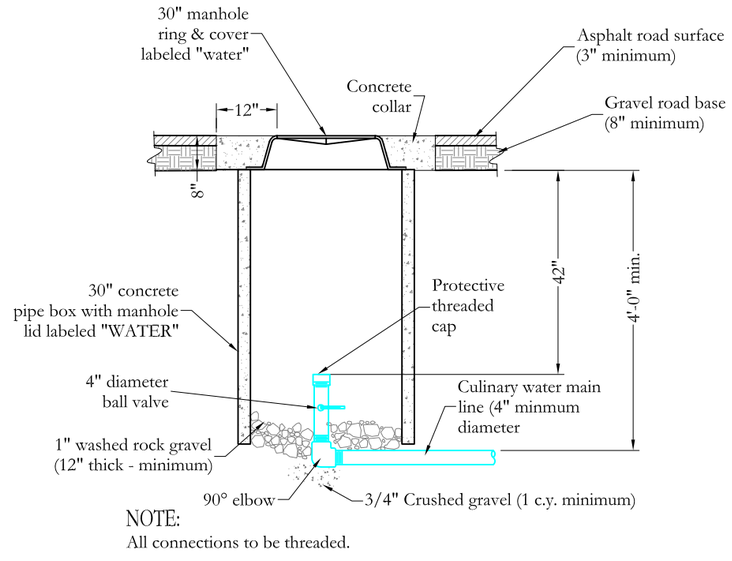


CONNECTING INTO CONCRETE WYE (W/O 45° ELBOW)

C

-

SCALE: NONE



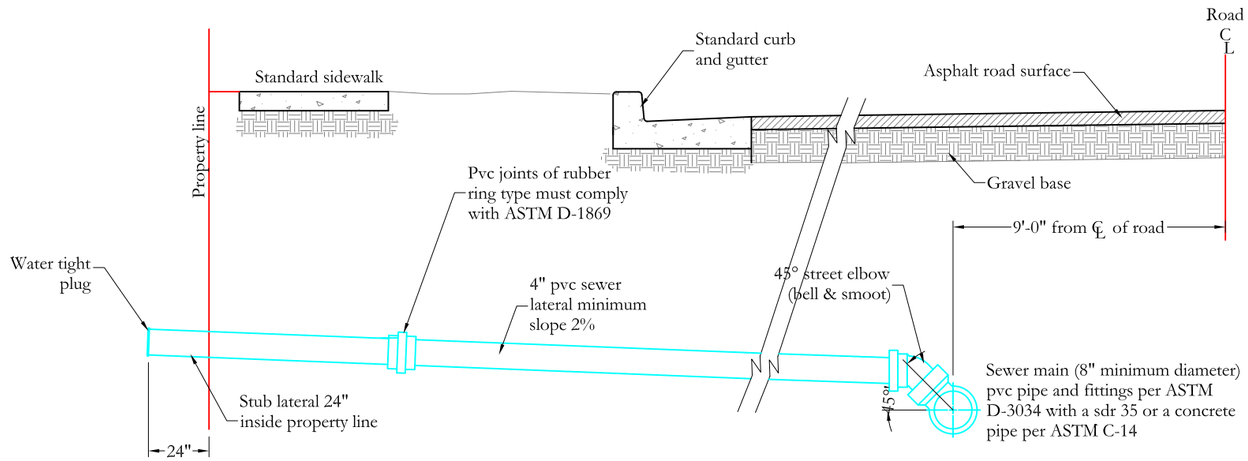
NOTE:
All connections to be threaded.

BLOW OFF VALVE SIDE VIEW

1

-

SCALE: NONE



TYPICAL SEWER LATERAL CONNECTION

2

-

SCALE: NONE

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NO.	DATE	BY	REVISIONS

DATE: SEPTEMBER 2014

DRAWN: JLS

CHECKED: NSN

PROJECT / LOCATION: CLEARFIELD CITY STANDARDS

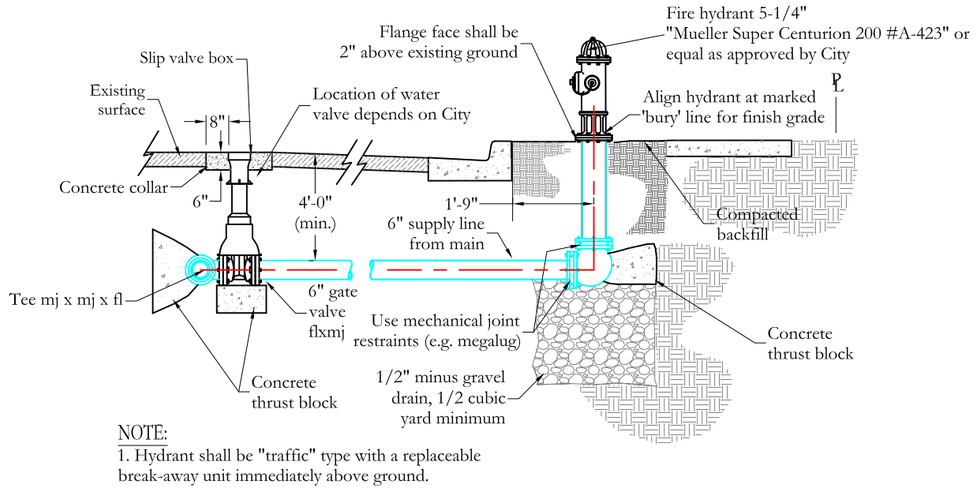
TITLE: SANITARY SEWER LATERAL & BLOW-OFF VALVE

CLIENT: CLEARFIELD CITY

PROJECT NUMBER: CITY STANDARDS

FILE: 09_SSLAT &BLOW.dwg

SHEET: 9of 17

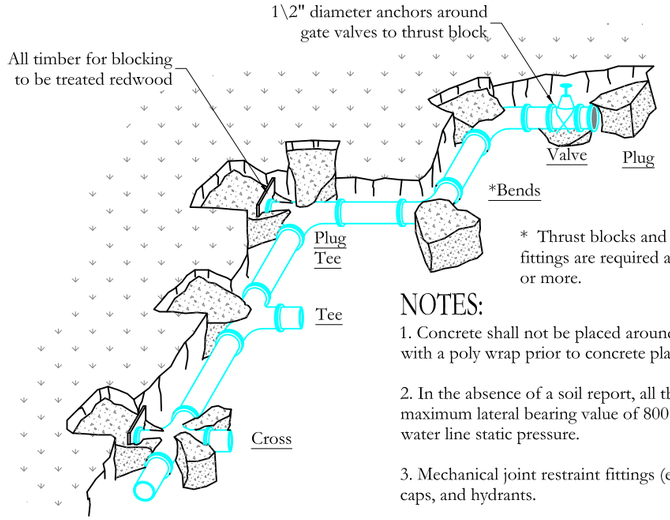


NOTE:
1. Hydrant shall be "traffic" type with a replaceable break-away unit immediately above ground.

TYPICAL THRUST BLOCK CONNECTION

1 / -

SCALE: NONE



* Thrust blocks and restrained joint fittings are required at all bends 22 1/2° or more.

NOTES:

1. Concrete shall not be placed around joints and bolts. Cover all metal contact areas with a poly wrap prior to concrete placement.

2. In the absence of a soil report, all thrust blocks shall be sized on the basis of a maximum lateral bearing value of 800 p.s.f. and a thrust resulting from 150% of the water line static pressure.

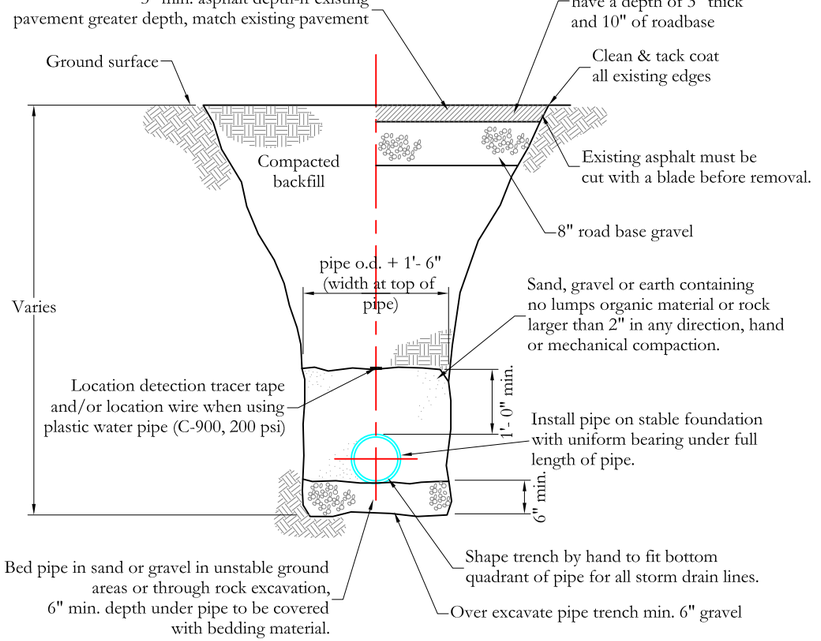
3. Mechanical joint restraint fittings (e.g. megalug) shall be used on all valves, bends, caps, and hydrants.

4. All threaded connections and/or bolts shall be encased with a APWA approved lubricant grease.

CONCRETE THRUST BLOCK DETAILS

2 / -

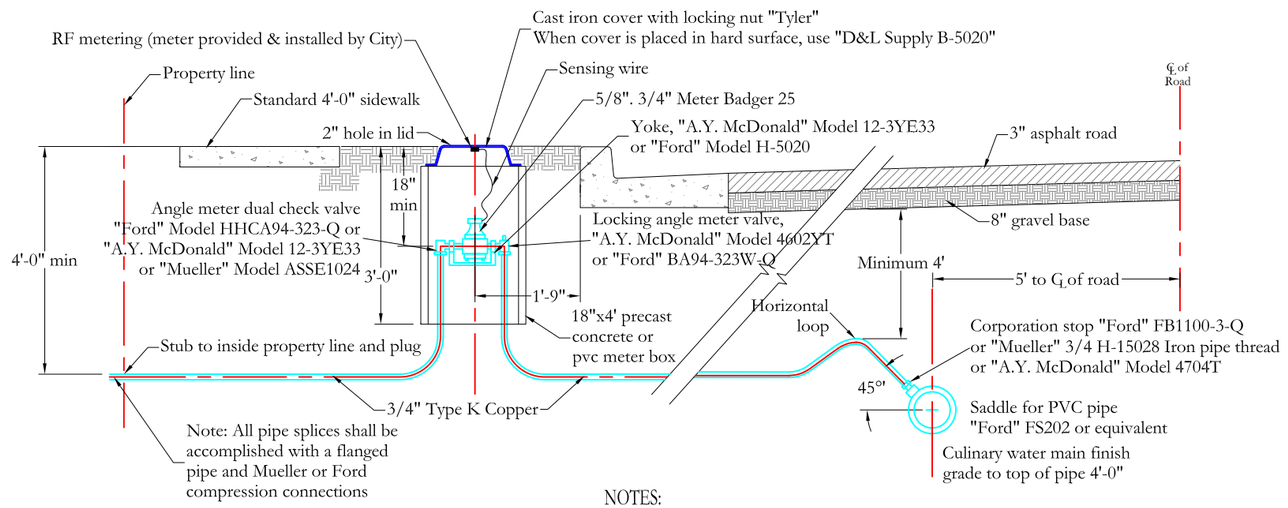
SCALE: NONE



CULINARY WATER TRENCH CROSS-SECTION

3 / -

SCALE: NONE



NOTES:
1. Water service pipes to be compacted per compaction trenches standards.
2. All expansion connections will be "A.Y. McDonald" Model 14-2E or "Ford" Model EC-23.
3. This detail shows a typical water connect for 3/4" to 1" meters.

TYPICAL WATER CONNECTION

4 / -

SCALE: NONE

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NO.	DATE	BY	REVISIONS

DATE: SEPTEMBER 2014
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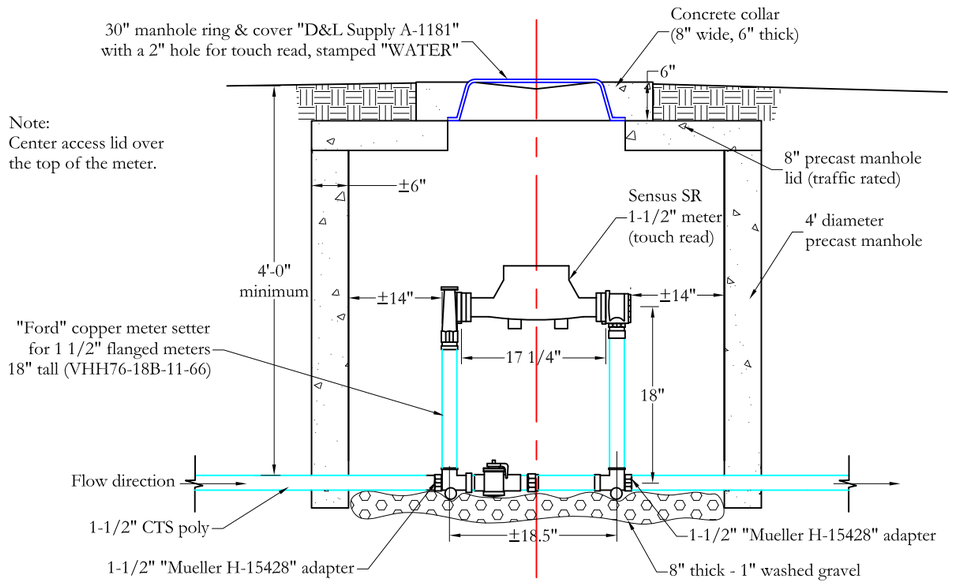
CHECKED: NSN

PROJECT / LOCATION: CLEARFIELD CITY STANDARDS

TITLE: FIRE HYDRANT, TRENCH DETAIL, WATER CONNECTION

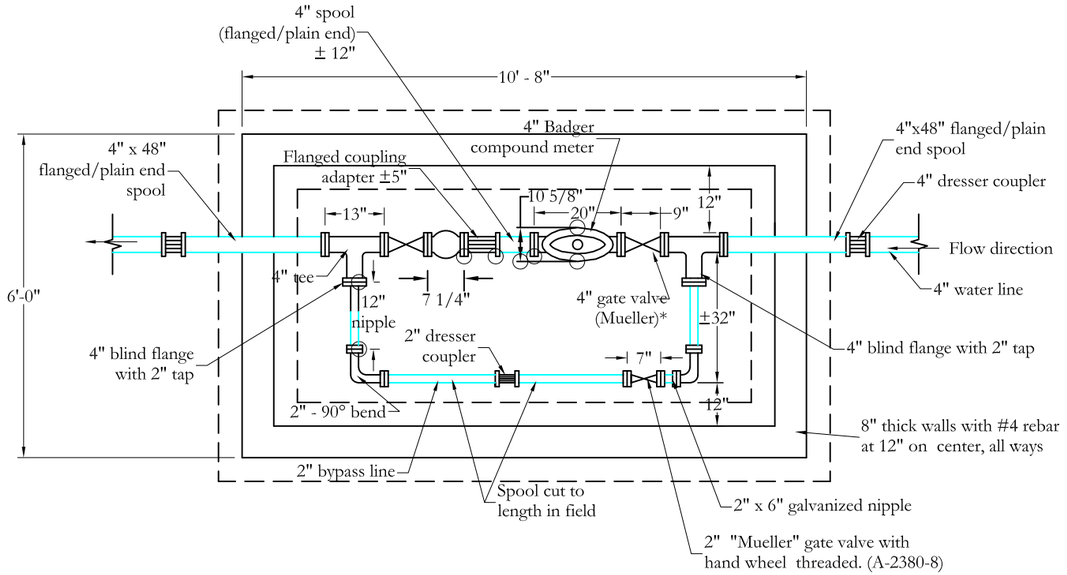
CLIENT: CLEARFIELD CITY
PROJECT NUMBER: CITY STANDARDS
FILE: 10_HYD_H2OCONNECT.dwg
SHEET: 10 of 17



1-1/2" METER VAULT

SCALE: NONE

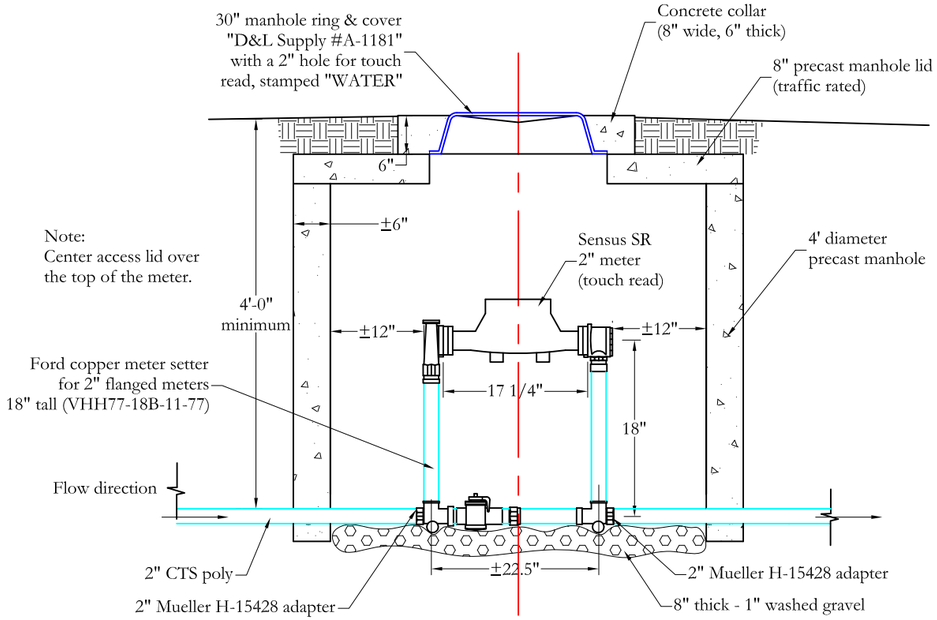
1
-



4" & LARGER METER VAULT PLAN VIEW

SCALE: NONE

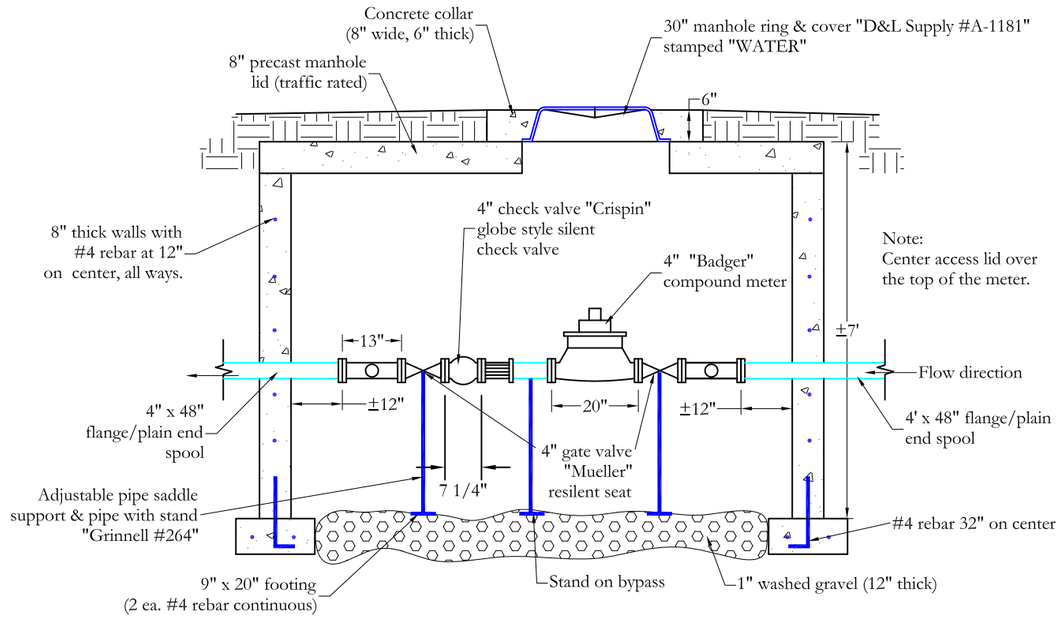
2
-



2" METER VAULT

SCALE: NONE

3
-



4" METER VAULT SECTION VIEW

SCALE: NONE

2A
-

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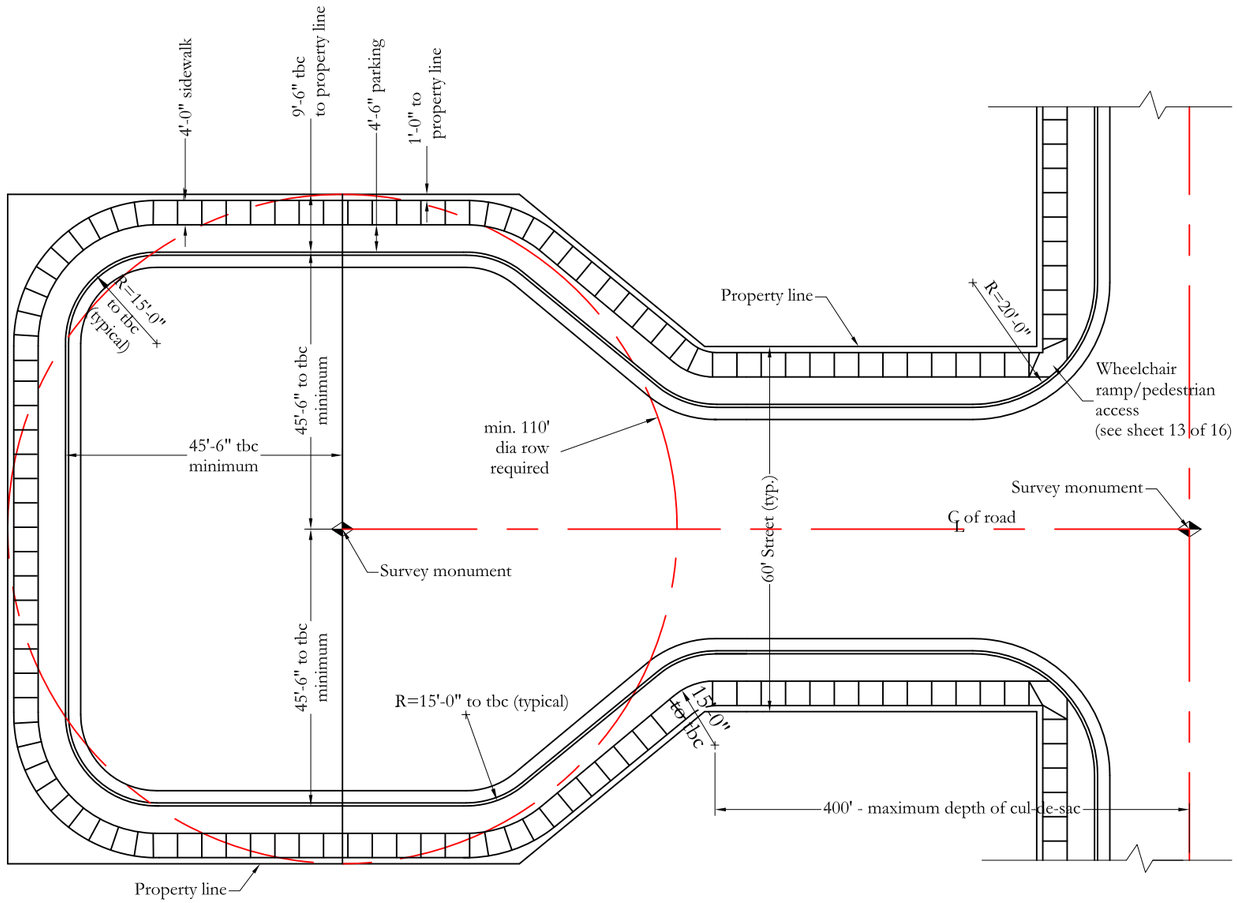
NO.	DATE	BY	REVISIONS

DATE: SEPTEMBER 2014
DRAWN: JLS
CHECKED: NSN

PROJECT / LOCATION: CLEARFIELD CITY STANDARDS

TITLE: 1-1/2", 2" & 4" WATER METER VAULTS

CLIENT: CLEARFIELD CITY
PROJECT NUMBER: CITY STANDARDS
FILE: 11_METER VAULTS.dwg
SHEET: 11of 17

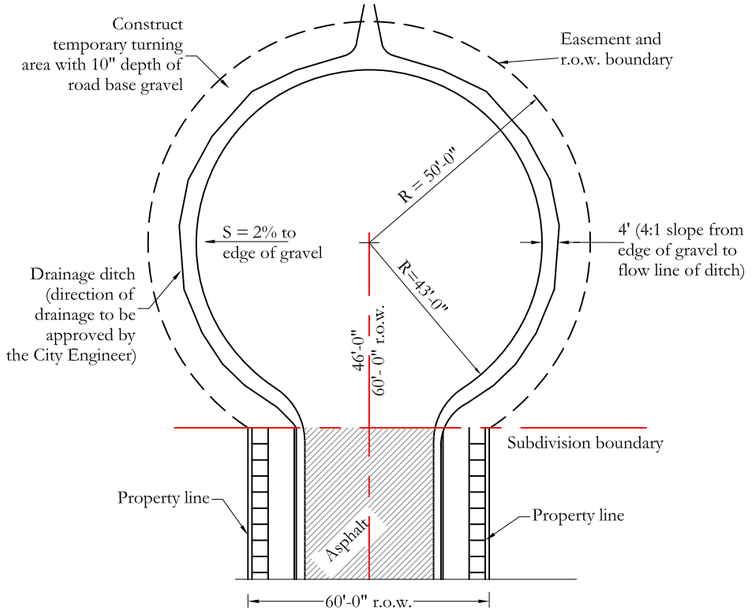


CUL-DE-SAC

SCALE: NONE

1

-

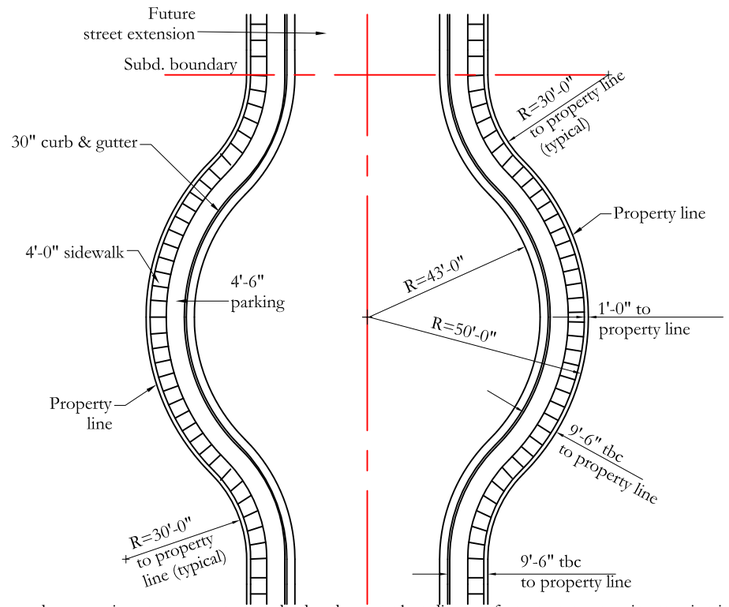


TEMPORARY TURNAROUND

SCALE: NONE

2

-



To be used as a turning area on temporary dead end street when distance from nearest street intersection is greater than 400 l.f or where a temporary turnaround outside of subdivision is not possible.

PERMANENT STREET BUBBLE

SCALE: NONE

3

-

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NO.	DATE	BY	REVISIONS

DATE: SEPTEMBER 2014

DRAWN: JLS

CHECKED: NSN

PROJECT / LOCATION: CLEARFIELD CITY STANDARDS

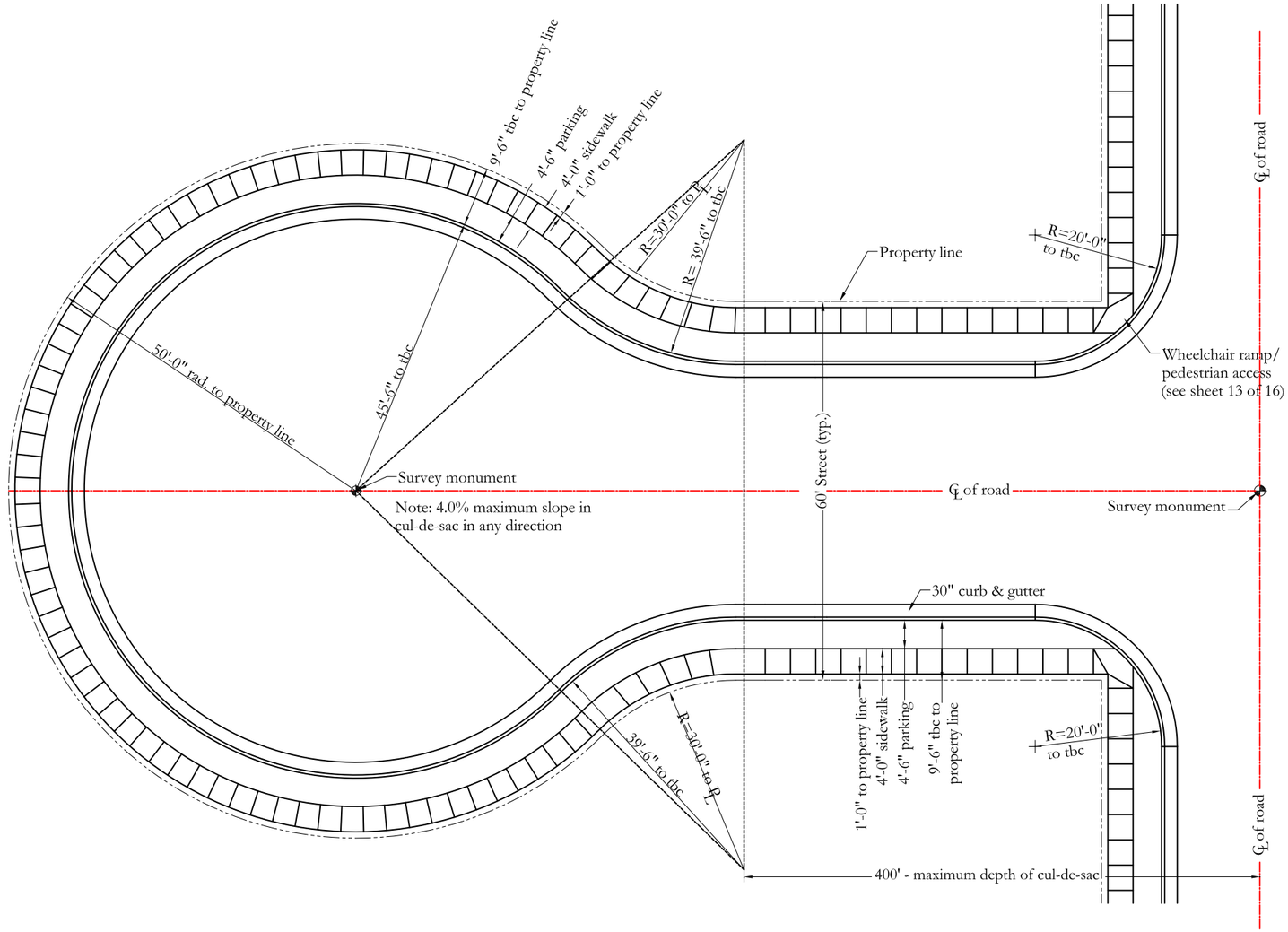
TITLE: CUL-DE-SAC/TEMPORARY TURNAROUND/STREET BUBBLE

CLIENT: CLEARFIELD CITY

PROJECT NUMBER: CITY STANDARDS

FILE: 12_BUBBLE.dwg

SHEET: 12 of 17



CUL-DE-SAC

SCALE: NONE

1
-

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NO.	DATE	BY	REVISIONS

DATE: SEPTEMBER 2014
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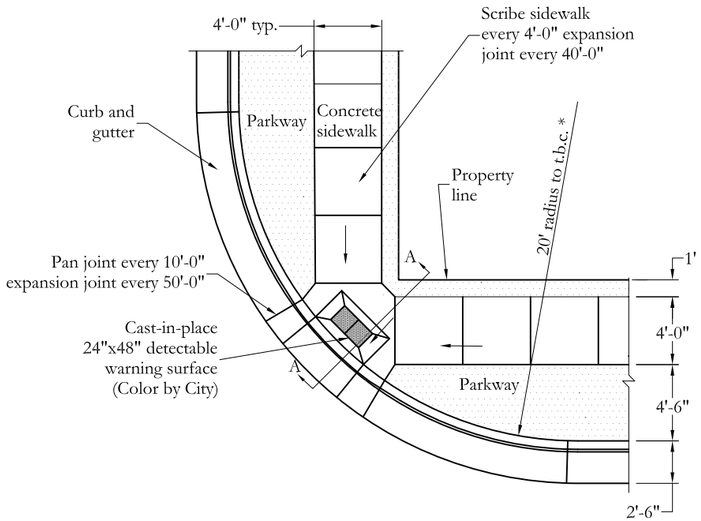
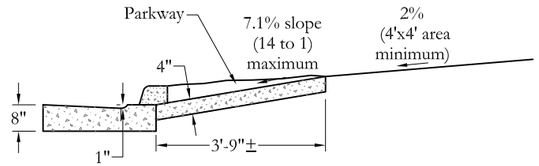
PROJECT / LOCATION: CLEARFIELD CITY STANDARDS

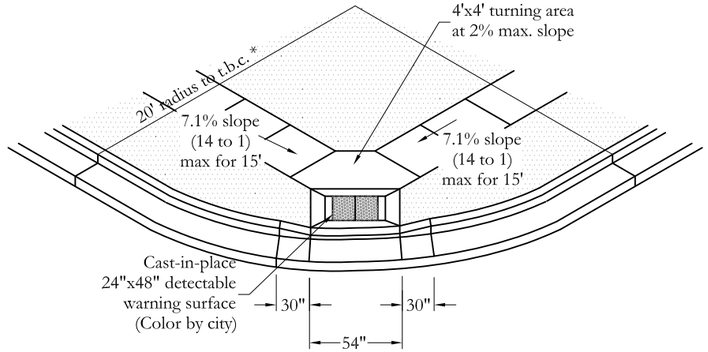
TITLE: CUL-DE-SAC DETAIL

CLIENT: CLEARFIELD CITY
PROJECT NUMBER: CITY STANDARDS
FILE: 13_CUL_DE_SAC.dwg
SHEET: 13of 17





SECTION A



PICTORIAL VIEW

WHEELCHAIR RAMP - PEDESTRIAN ACCESS

SCALE: NONE

1
-

NOTES:

1. A minimum 6" depth of roadbase material or crushed gravel shall be placed to grade and compacted under handicap ramps to 95% of maximum dry density prior to placement of concrete.

2. Locate all inlet grates 2' minimum away from the pedestrian crosswalk, with all drainage intercepted before storm water crosses the crosswalk area.

3. Slopes shown are maximum slopes.

4. Expansion joints shall be constructed by placing an approved material, (typically bituminous impregnated fiberboard), the full depth of the concrete. expansion material shall be set 1/4" below the finish level of sidewalk ramp.

5. Materials, construction, and workmanship shall be in accordance with Clearfield City standards and specifications.

6. When a City roadway intersects with a UDOT road, a 35' minimum radius (or other) will be required as per UDOT requirement.

7. Detectable warning surface materials & installation must conform to "ADA cast-in-place tactile warning panels" requirements & specifications.

8. Detectable warning panels by "ADA Solutions, Inc.", color to be specified by City (other products to be approved by City prior to installation).

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NO.	DATE	BY	REVISIONS

DATE: SEPTEMBER 2014
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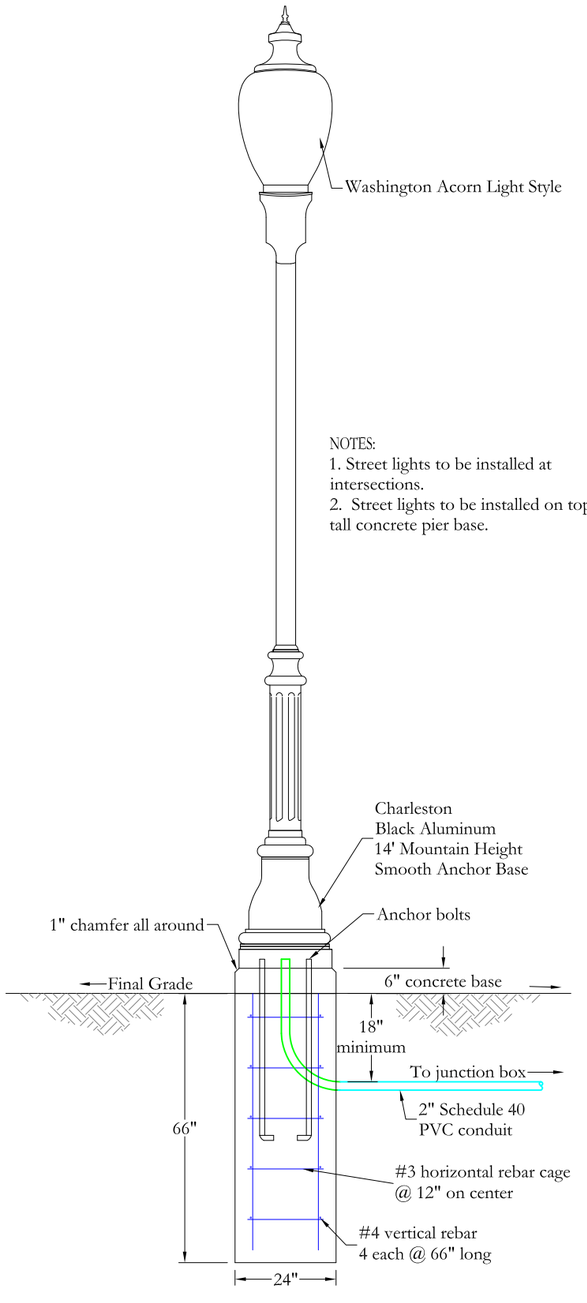
CHECKED: NSN

PROJECT / LOCATION: CLEARFIELD CITY STANDARDS
TITLE: TYPICAL WHEELCHAIR RAMP PEDESTRIAN ACCESS DETAIL

CLIENT: CLEARFIELD CITY
PROJECT NUMBER: CITY STANDARDS
FILE: 14_WHEELCHAIR.dwg
SHEET: 14 of 17



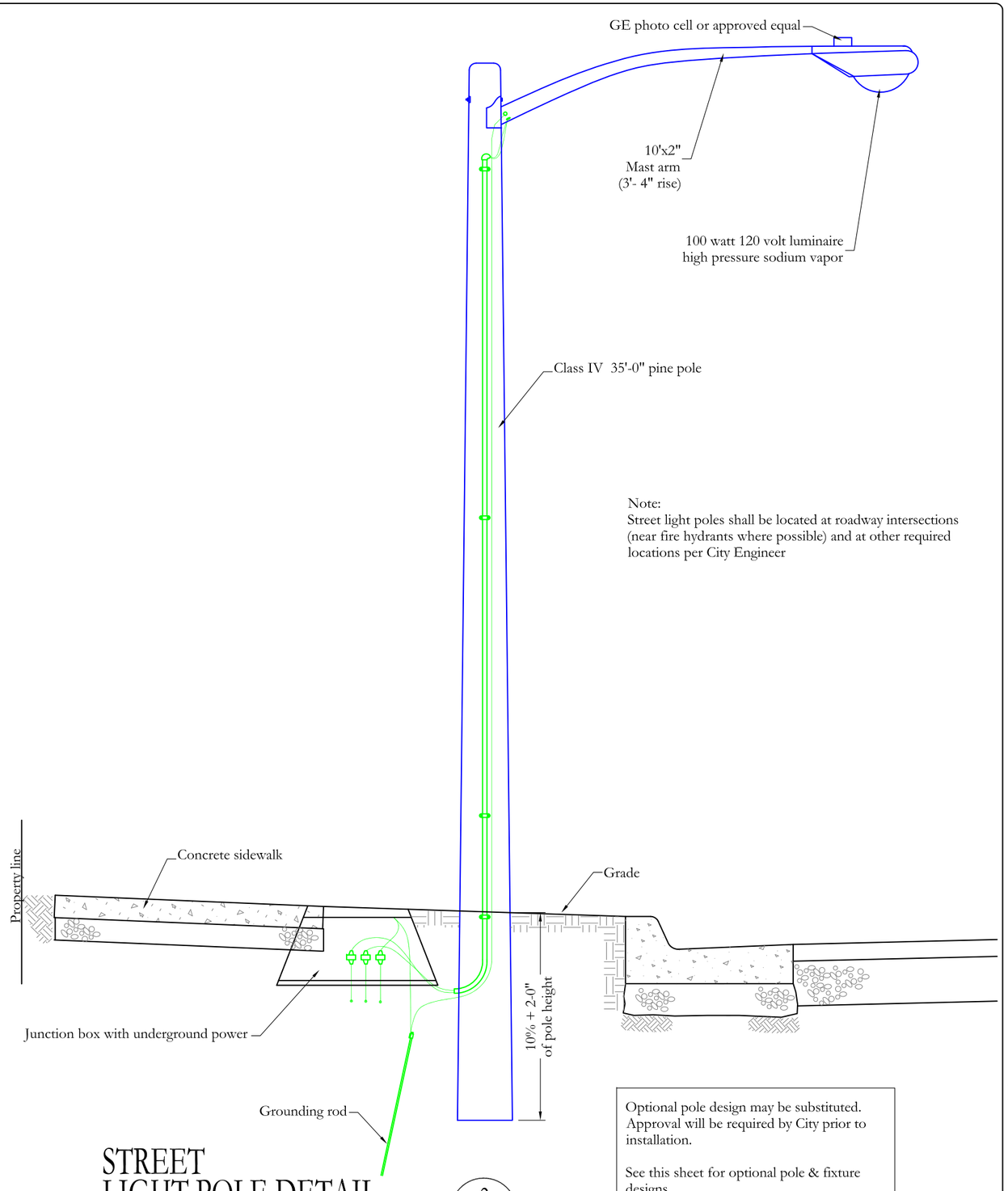
NOTES:
1. Street lights to be installed at intersections.
2. Street lights to be installed on top of 6" tall concrete pier base.

INTERSECTION STREET LIGHT POLE DETAIL

SCALE: NONE

1

-



Note:
Street light poles shall be located at roadway intersections (near fire hydrants where possible) and at other required locations per City Engineer

Optional pole design may be substituted. Approval will be required by City prior to installation.

See this sheet for optional pole & fixture designs.

STREET LIGHT POLE DETAIL

SCALE: NONE

2

-

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NO.	DATE	BY	REVISIONS

DATE: SEPTEMBER 2014
DRAWN: JLS
CHECKED: NSN

PROJECT / LOCATION: CLEARFIELD CITY STANDARDS

TITLE: STREET LIGHT POLE DETAIL

CLIENT: CLEARFIELD CITY
PROJECT NUMBER: CITY STANDARDS
FILE: 15_STREET _LIGHT.dwg
SHEET: 15of 17

CLEARFIELD CITY TESTING AND INSPECTION STANDARDS

Sanitary sewer*	Pipeline inspection - alignment, grade, & class of pipe Low pressure air test or infiltration test Displacement test & video recording showing distance (leader with time, date, & construction company)
Storm drainage*	Pipeline inspection - alignment, grade, & class of pipe Catch basin boxes inspection - depth & rebar Pipe inspection - video tape recording (leader with time, date, & construction company)
Land drainage*	Pipeline inspection - alignment, grade, class of pipe and bedding method Pipe inspection - video tape recording (leader with time, date, & construction company)
Culinary water (c-900 class 200) (di class 51)	Pipeline inspection - alignment, grade, class of pipe, & brass wedges installation Pressure test - minimum 200 psi for 2 hours Chlorination test - minimum 30 ppm for 24 hours Clear water test Bacteria test
Roadway	Sub base inspection - depth & compaction Before road base placement all utility lines must be installed Road base density test - depth & compaction (Contractor responsible to give road base density results to City - prior to asphalt placement) Asphalt placement - depth & compaction
Curb & gutter and sidewalk	Curb & gutter and sidewalk inspection - depth and compaction

*1. Contractor shall not flush rock & debris from newly installed pipelines downstream into the existing system.

*2. The pipelines must have clean water flushed down the pipes prior to video taping in order to detect and identify all low spots and/or bellies in the pipeline. Failure to run water prior to video taping will result in rejection of the video tape testing.

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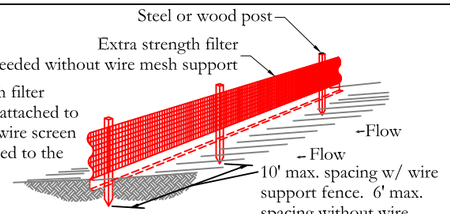
NO.	DATE	BY	REVISIONS

DATE: SEPTEMBER 2014
DRAWN: JLS
CHECKED: NSN

PROJECT / LOCATION: CLEARFIELD CITY STANDARDS
TITLE: TESTING AND INSPECTION STANDARDS

CLIENT: CLEARFIELD CITY
PROJECT NUMBER: CITY STANDARDS
FILE: 16_TEST_INSPECT.dwg



NOTES:

1. The height of a silt fence shall not exceed 36-inches.

2. The filter fabric shall be purchased in a continuous roll cut to the length of the barrier to avoid the use of joints.

3. Posts shall be spaced a maximum of 10-feet apart at the barrier location and driven securely into the ground a minimum of 12-inches. When extra strength fabric is used without the wire support fence, post spacing shall not exceed 6 feet.

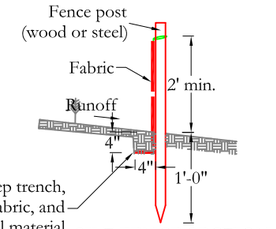
4. A trench shall be excavated approximately 4 inches wide and 4 inches deep along the line of posts and upslope from the barrier.

5. When standard strength filter fabric is used, a wire mesh support fence shall be fastened securely to the upslope side of the posts using heavy duty wire staples at least 1-inch long, tie wires, or hog rings. The wire shall extend into the trench a minimum of 2-inches and shall not extend more than 36-inches above the original ground surface.

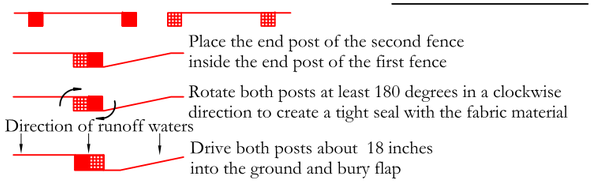
6. The standard strength filter fabric shall be stapled or wired to the fence, and 8-inches of the fabric shall be extended into the trench. The fabric shall not extend more than 36-inches above the original ground surface.

7. The trench shall be backfilled and the soil compacted over the filter fabric.

8. Install per manufacturer's specifications.

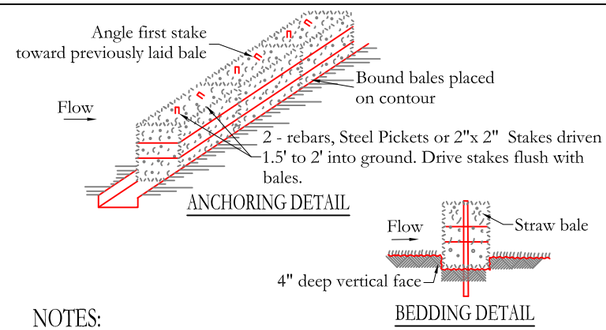


SILT FENCE SECTION



ATTACHING TWO SILT FENCES

SILT FENCE 1
SCALE: NONE



NOTES:

1. Bales shall be placed at the top of slope or on the contour and in a row with ends tightly abutting the adjacent bales.

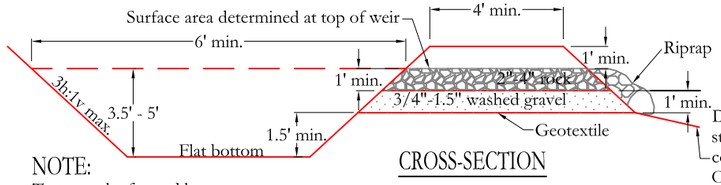
2. Each bale shall be embedded in the soil a minimum of 4-inches, and placed so that bindings are horizontal.

3. Bales shall be securely anchored in place by either two stakes or re-bars driven through the bale. The first stake in each bale shall be driven toward the previously laid bale at an angle to force the bales together. Stakes shall be driven flush with the bale.

4. Inspection shall be frequent and repair replacement shall be made promptly as needed.

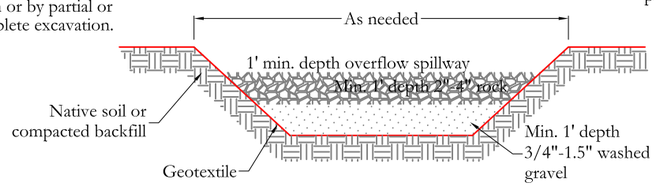
5. Bales shall be removed when they have served their usefulness so as not to block or impede storm flow or drainage.

STRAW BALE BARRIER PLAN 2
SCALE: NONE

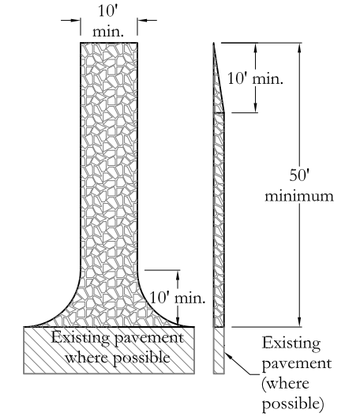


CROSS-SECTION

NOTE:
Trap may be formed by berm or by partial or complete excavation.



SILT TRAP BASIN 4
SCALE: NONE



STABILIZED CONSTRUCTION ENTRANCE PLAN 3
SCALE: NONE

NOTES:

1. STONE SIZE- Use 2 to 3-inch stone or reclaimed concrete equivalent.

2. LENGTH- As required, but not less than 50-feet.

3. THICKNESS- Not less than 8-inches.

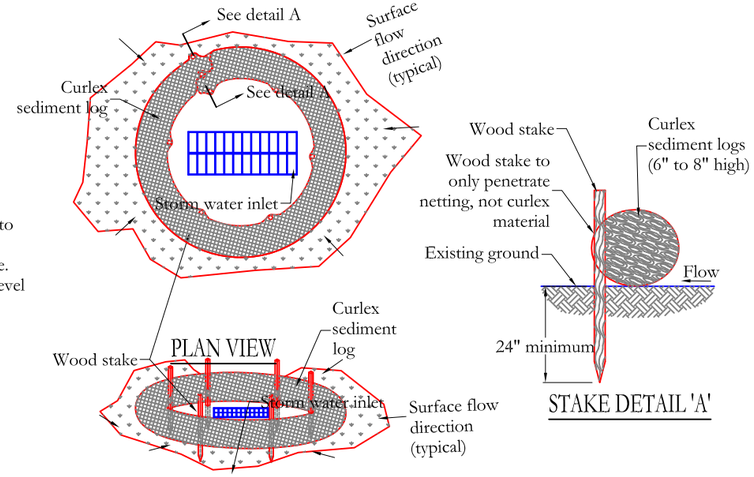
4. WIDTH- 10-foot minimum, but not less than the full width at points where ingress of egress occurs.

5. SURFACE WATER- All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 side slopes will be permitted.

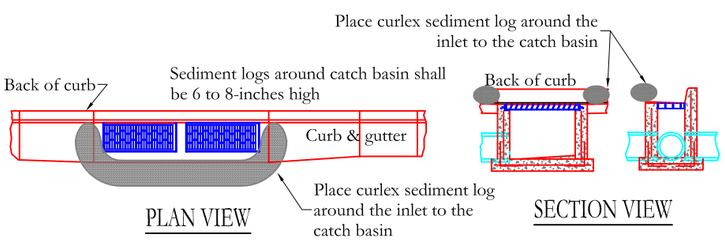
6. MAINTENANCE- The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment into the public right-of-way this may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public right-of-ways must be removed immediately.

7. Periodic inspection and needed maintenance shall be proved after each rainfall.

8. Geotextile underliner will be installed under stone covering.

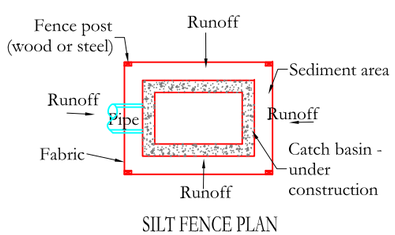


CURLEX SEDIMENT LOG INLET PROTECTION 5
SCALE: NONE

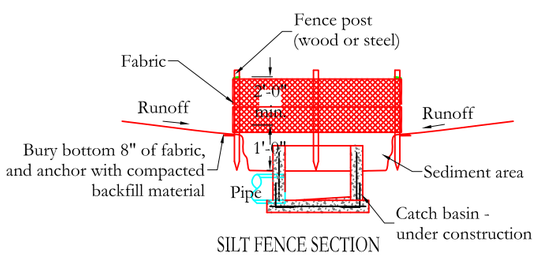


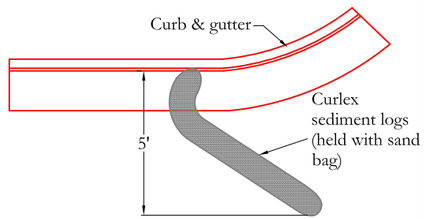
NOTE:
Place barricade or weights to secure the curlex sediment log.

CURLEX SEDIMENT LOG BARRIER PLAN 6
SCALE: NONE



CATCH BASIN PROTECTION (TYP.) 7
SCALE: NONE





CURLEX SEDIMENT LOG PROTECTION 8
SCALE: NONE

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NO.	DATE	BY	REVISIONS

DATE: SEPTEMBER 2014
DRAWN: JLS
CHECKED: NSN

PROJECT / LOCATION: CLEARFIELD CITY STANDARDS

TITLE: BEST MANAGEMENT PRACTICES (BMP'S)

CLIENT: CLEARFIELD CITY
PROJECT NUMBER: CITY STANDARDS
FILE: 17_BMPs.dwg
SHEET: 17 of 17