

DETAIL
N.T.S.

NOTES:

1. APPROACH TO CONFORM TO THE LATEST ADA STANDARDS, UNLESS POUR IS MONOLITHIC.
2. INSTALL EXPANSION JOINT AT TIP OF APPROACH WINGS AND WHERE SIDEWALK CHANGES THICKNESS, UNLESS POUR IS MONOLITHIC.
3. BASE TO BE A 6" THICKNESS OF 3/4" MINUS CRUSHED AGGREGATE PER SECTION-802.
4. APPROACH THROAT WIDTHS TO BE APPROVED BY THE CITY. ALL CONCRETE TO BE 6" THICK FROM TIP OF WING TO TIP OF WING UP TO THE EXPANSION JOINT. WHEN SIDEWALK IS SEPARATE FROM CURB THE SIDEWALK IMMEDIATELY BEHIND THE APPROACH THROAT SHALL BE 6" THICK ALSO.
5. ALL CONCRETE SHALL BE CLASS 4000 PER SECTION-703.
6. APPROACH DIMENSIONS ARE BASED ON THE HEIGHT OF THE CURB. SEE TABLE BELOW.
7. COMMERCIAL DRIVEWAY THROAT WIDTHS SHALL BE A MINIMUM OF 25- FEET WIDE TO A MAXIMUM OF 40- FEET WIDE. WIDTH APPROVAL BY THE CITY IS REQUIRED.
8. CURB RADIUS MAY BE USED IN PLACE OF WING WITH SEPARATED SIDEWALK.

APPROACH DIMENSION TABLE

Curb	3"	4"	5"	6"	7"	8"
Depth	4'	5'	6'	7'	8'	9'
Wing	3'	4'	5'	6'	7'	8'
Throat	Per Construction Plans as Approved by the City.					

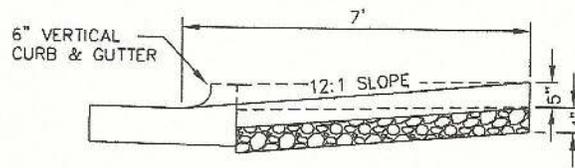


CONCRETE DRIVEWAY
APPROACH

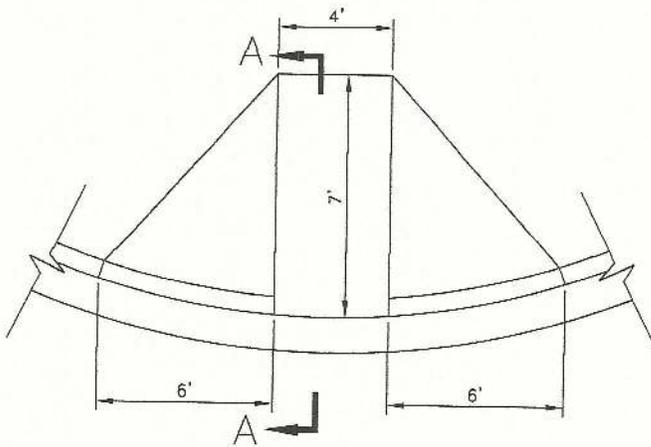
DATE:		C-710
REV. #	1	
ACAD FILE:	C-710.DWG	STANDARD DRAWING NO.

NOTES:

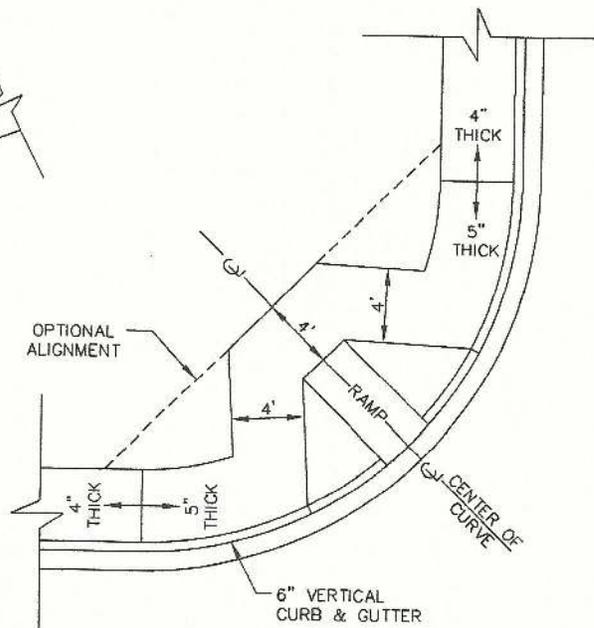
1. THIS TYPE OF RAMP CAN BE USED WITH 6" VERTICAL CURB.
2. ALL RAMP SURFACES TO BE 12 TO 1 SLOPE TO CONFORM TO ADA REQUIREMENTS.
3. THE RAMP WINGS TO BE 6 FEET MEASURED AT THE CURB FACE FOR 6" VERTICAL CURB.
4. ALL RAMPS TO HAVE A 4 FOOT WIDE CONTINUOUS PATH BEHIND THEM FOR PEDESTRIANS.
5. ALL CONCRETE ADJOINING THE RADIUS WITHIN AND AROUND THE RAMPS TO BE 5 INCHES THICK WITH 4 INCHES OF 3/4 INCH AGGREGATE BASE.
6. CONCRETE SHALL BE CLASS 4000 PSI UNLESS OTHERWISE SPECIFIED.



SECTION A-A
N.T.S.



RAMP DETAIL
N.T.S.



PLAN
N.T.S.



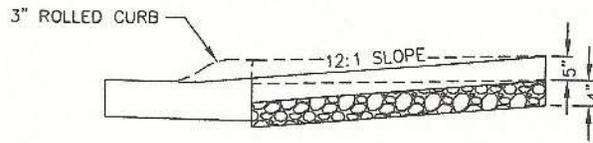
PEDESTRIAN RAMP
FOR VERTICAL CURB

DATE:	
REV. #	1
ACAD FILE:	C-712A.DWG

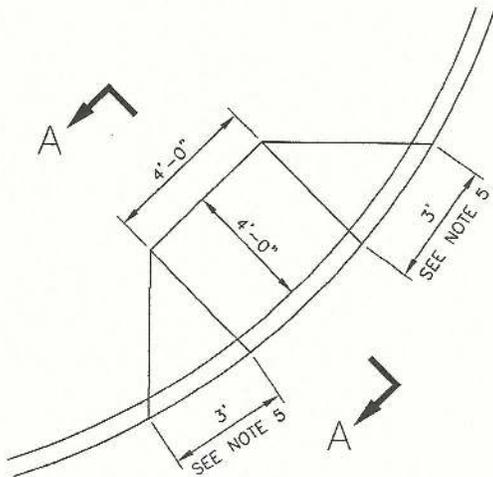
C-712A
STANDARD DRAWING NO.

NOTES:

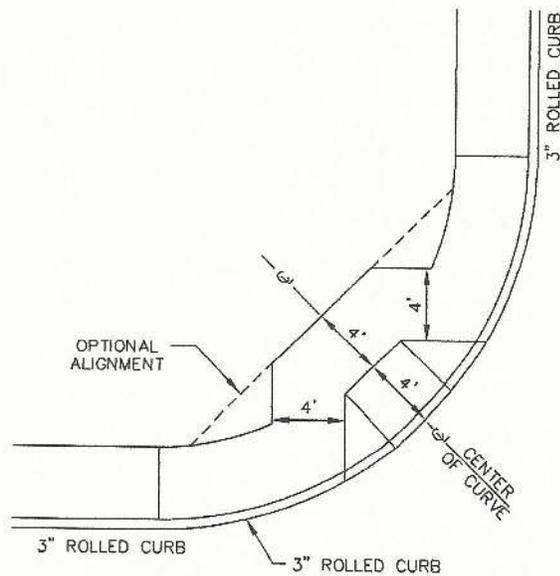
1. THIS TYPE OF RAMP CAN BE USED FOR ANY CORNER WITH 3" ROLLED CURB WHERE LOCAL STREETS MEET.
2. CURB ON THE RADIUS TO BE 3" ROLLED CURB FOR SHOWN DIMENSIONS.
3. ALL RAMP SURFACES TO BE 12 TO 1 SLOPE TO CONFORM TO ADA REQUIREMENTS.
4. EACH CORNER TO HAVE ONE RAMP CENTERED IN RADIUS OR ALIGNED WITH CROSSWALK.
5. THE RAMP WINGS TO BE 3 FEET MEASURED AT THE CURB FACE FOR 3" ROLLED CURB.
6. ALL RAMPS TO HAVE A 4 FOOT WIDE CONTINUOUS PATH BEHIND THEM FOR PEDESTRIANS.
7. ALL CONCRETE ADJOINING THE RADIUS WITHIN AND AROUND THE RAMPS TO BE 5 INCHES THICK WITH 4 INCHES OF 3/4 INCH AGGREGATE BASE.
8. CONCRETE SHALL BE CLASS 4000 PSI UNLESS OTHERWISE SPECIFIED.



SECTION A-A
N.T.S.



RAMP DETAIL
N.T.S.



PLAN
N.T.S.



PEDESTRIAN RAMP

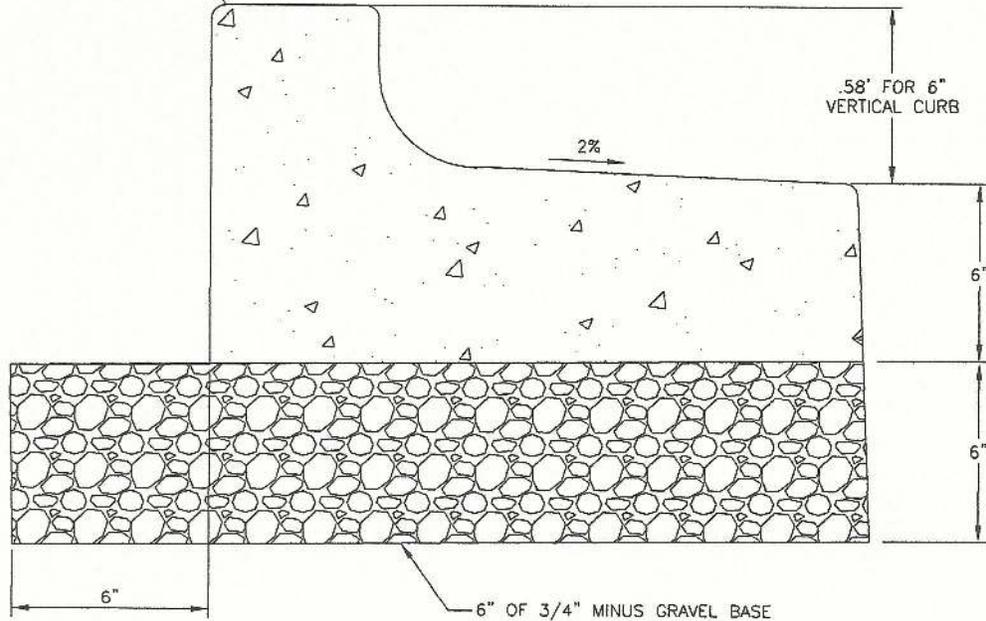
FOR ROLLED CURB (ALLOWED WITH APPROVAL OF PUBLIC WORKS DIRECTOR)

DATE:	
REV. #	
ACAD FILE:	C-712B.DWG

C-712B

STANDARD DRAWING NO.

STD. 6" VERTICAL CURB
(SEE C-701)



NOTES:

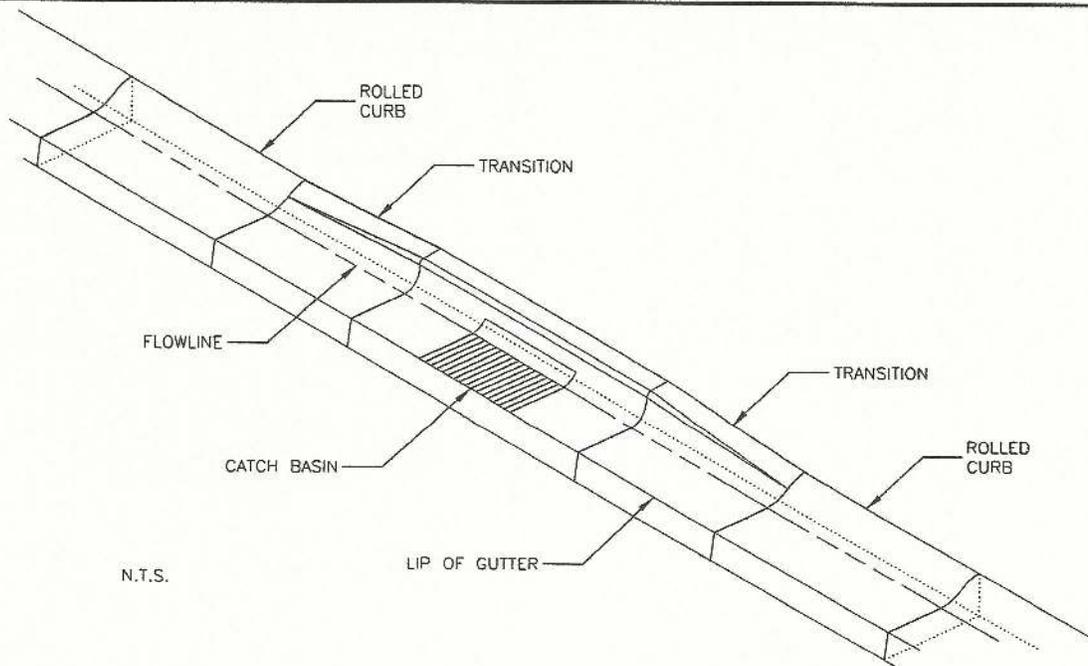
1. GRADE AND ALIGNMENT TO BE ESTABLISHED OR APPROVED BY THE PUBLIC WORKS DIRECTOR OR DESIGNATED REPRESENTATIVE.
2. BASE SHALL BE 3/4" MINUS CRUSHED MATERIAL WITH A DEPTH OF 6". MATERIAL SHALL COMPLY WITH SECTION 800 ISPWC; COMPACTED MATERIAL SHALL EXCEED 95% OF STANDARD DENSITY; A MINIMUM WIDTH OF 3-FT. SHALL BE PLACED TO GRADE, PRIOR TO SETTING CURB FORMS.
3. COLD JOINTS ARE TO BE PLACED AT TERMINAL POINTS OF RADII.
4. CONTINUOUS PLACEMENT PREFERRED, WITH A SCORE INTERVAL OF 8' TO 12'.
5. MATERIALS AND CONSTRUCTION TO BE IN COMPLIANCE WITH ISPWC SPECIFICATIONS AND CITY OF GRANGEVILLE SPECIFICATIONS.
6. BACKFILL AS PER ISPWC STANDARD DRAWINGS.
7. CONCRETE SHALL BE CLASS 4000 PSI UNLESS OTHERWISE SPECIFIED.
8. SEE GRANGEVILLE STANDARD DRAWING C-701 FOR OTHER TYPICAL DIMENSIONS.



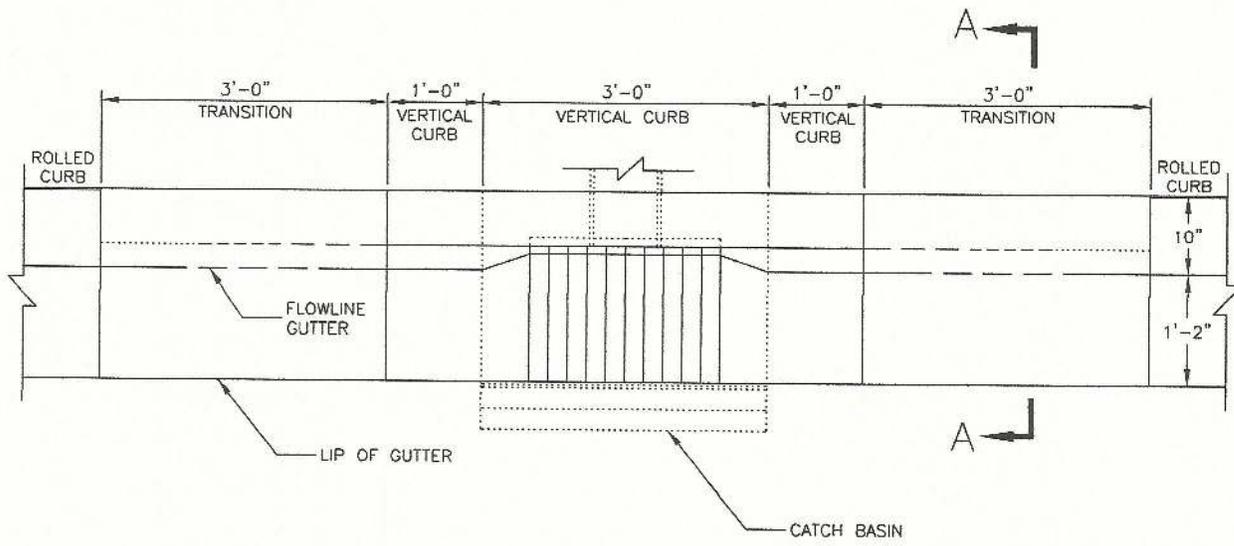
CURB AND GUTTER
6" VERTICAL REVERSE FLOW

DATE: _____
REV. # _____
ACAD FILE: C-715.dwg

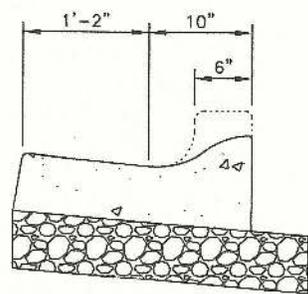
C-715
STANDARD DRAWING NO.



N.T.S.



N.T.S.



N.T.S.



ROLLED CURB
TRANSITION FOR INLET CATCH BASIN

DATE:	
REV. #	
ACAD FILE:	C-716.DWG

C-716
STANDARD DRAWING NO.

CITY OF CALDWELL
QUICK REFERENCE
For

CULVERTS, STORM DRAINS AND GRAVITY IRRIGATION

This quick reference of specifications highlights some of the requirements for Public Works Construction within the jurisdiction of the City of Grangeville. This quick reference is intended for use only as a guide for the Designer and Contractor and not as a replacement to the Idaho Standards for Public Works Construction (ISPWC) or the City of Grangeville's Specifications. Please refer to those documents for more complete specifications.

1. Ribbed PVC pipe is not acceptable unless approved by the Public Works Director.
2. Storm drain pipelines and manholes shall be visually inspected. Should pipeline or manhole fail visual inspection, additional testing may be required at the discretion of the Public Works Director.
3. All storm drain drop inlets / catch basins shall have a minimum 1'-0" sump.
4. Manhole steps may or may not be allowed. If no steps required, Grout-smooth any step holes.
5. Waterman C-10 canal gates or approved equal shall be used for gravity irrigation slide gates.
6. All pipe used shall be rated for depth of cover.

R-800
RIGHT OF WAY DETAIL
DWGS



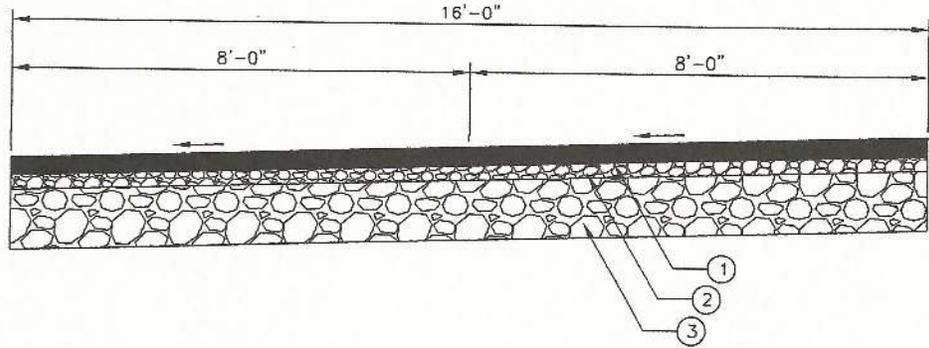
CITY OF GRANGEVILLE
QUICK REFERENCE
For

DIVISION 800 – AGGREGATES AND ASPHALT

This quick reference of specifications highlights some of the requirements for Public Works Construction within the jurisdiction of the City of Grangeville. This quick reference is intended for use only as a guide for the Designer and Contractor and not as a replacement to the Idaho Standards for Public Works Construction (ISPWC) or the City of Grangeville's Specifications. Please refer to those documents for more complete specifications.

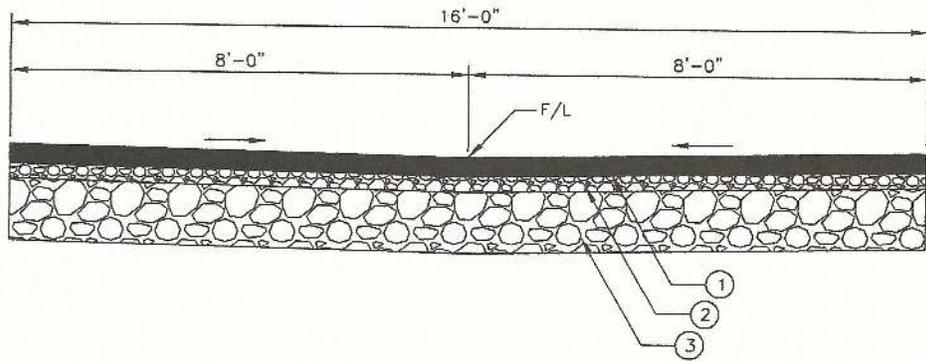
1. Alley construction shall conform to Grangeville Standard Drawing R-803.
2. Residential cul-de-sacs shall be constructed per Grangeville Standard Drawing R-805.
3. Asphalt concrete pavement shall be Class III mix per ISPWC Section 810.
4. A roadway section design including site geotechnical information prepared by a registered professional engineer shall be submitted for review and approval by the Public Works Director for all new roadway construction.
5. Residential roadways shall be 37-feet back-of-curb to back-of-curb with 4-foot wide sidewalks and 56-foot wide right-of-way minimum. Rolled curb shall be allowed on residential roadways and radii. Rolled curb shall transition to vertical curb at storm drain inlet locations per Grangeville Standard Drawing C-716.
6. Collector roadways shall be 41-feet back-of-curb to back-of-curb with 4-foot wide sidewalks and 60-foot wide right-of-way minimum. Vertical curb is required on collector roadways and radii.
7. Minor arterial roadways shall be 49-feet back-of-curb to back-of-curb with 4-foot wide sidewalks and 66-foot wide right-of-way minimum. Vertical curb is required on minor arterial roadways and radii.
8. Principal arterial roadways shall be 66-feet back-of-curb to back-of-curb with 4-foot wide sidewalks and 90-foot wide right-of-way minimum. Vertical curb is required on minor arterial roadways and radii.
9. Industrial roadways shall be 52-feet back-of-curb to back-of-curb with 5-foot wide sidewalks (if required) and 80-foot wide right-of-way minimum. Rolled curb may be allowed on industrial roadways.
10. Temporary turnarounds shall be constructed of an all-weather street section at locations required and/or approved by the City Fire Chief and the Public Works Director. See Grangeville Standard Drawing R-811.

DRAINS TO NEW DEVELOPMENT SIDE
SEE NOTE 1



ALTERNATE A

DRAINS TO NEW DEVELOPMENT
N.T.S.



ALTERNATE B

DRAINS TO CENTER
N.T.S.

LEGEND

- ① 2 1/2" ASPHALT CONCRETE
- ② 2" - 3/4" MINUS CRUSHED AGGREGATE
- ③ 8" - 2" MINUS CRUSHED AGGREGATE OR 6" MINUS PIT RUN

NOTES:

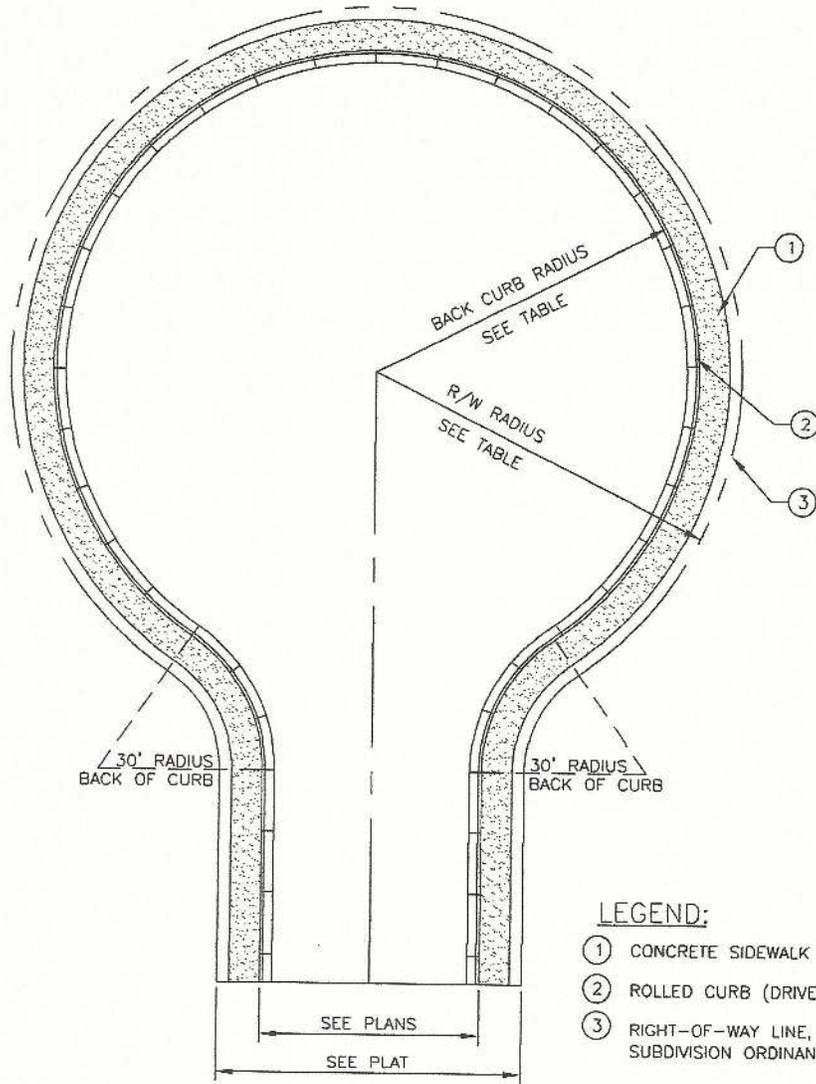
1. ALLEY IMPROVEMENTS RESULTING FROM NEW DEVELOPMENT SHALL USE ALTERNATE A UNLESS APPROVED OTHERWISE BY THE CITY.
2. CROSS SLOPES SHALL BE 1.50% MINIMUM TO 5.00% MAXIMUM.



ALLEY SECTION
DETAIL

DATE:	
REV. #	
ACAD FILE:	R-803.DWG

R-803
STANDARD DRAWING NO.



LEGEND:

- ① CONCRETE SIDEWALK
- ② ROLLED CURB (DRIVEWAYS ONLY)
- ③ RIGHT-OF-WAY LINE, (SEE PLAT AND SUBDIVISION ORDINANCE)

NOTES:

1. ALL CONSTRUCTION SHALL BE PER ISPWC AND CITY OF GRANGEVILLE SPECIFICATIONS.
2. STREET PROFILE GRADES 0.4% MINIMUM WITH 0.5% RECOMMENDED.
3. SEE GRANGEVILLE STANDARD DRAWING R-810 FOR STREET STRUCTURE SCHEDULE.

CUL-DE-SAC RADIUS TABLE

CUL-DE-SAC LENGTH	BACK CURB RADIUS	R/W RADIUS
≤ 150 FT.	45 FT.	50 FT.
> 150 FT.	50 FT.	55 FT.



RESIDENTIAL CUL-DE-SAC
DETAIL

DATE:	
REV. #	
ACAD FILE:	R-805.DWG

R-805
STANDARD DRAWING NO.



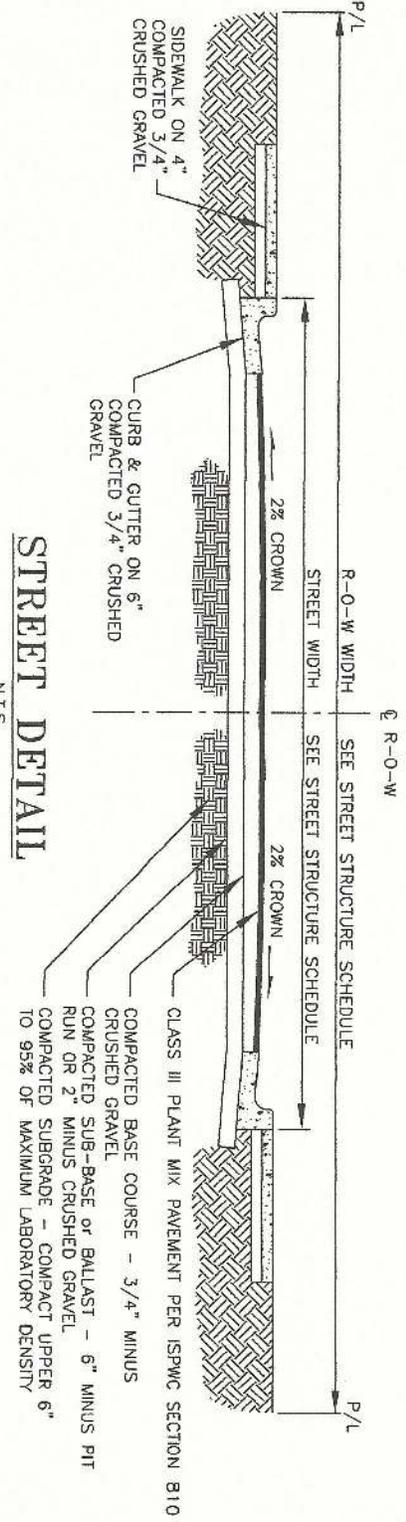
STANDARD STREET

DETAIL

DATE: _____
 REV. # _____
 ACAD FILE: R-810.DWG

R-810

STANDARD DRAWING NO.



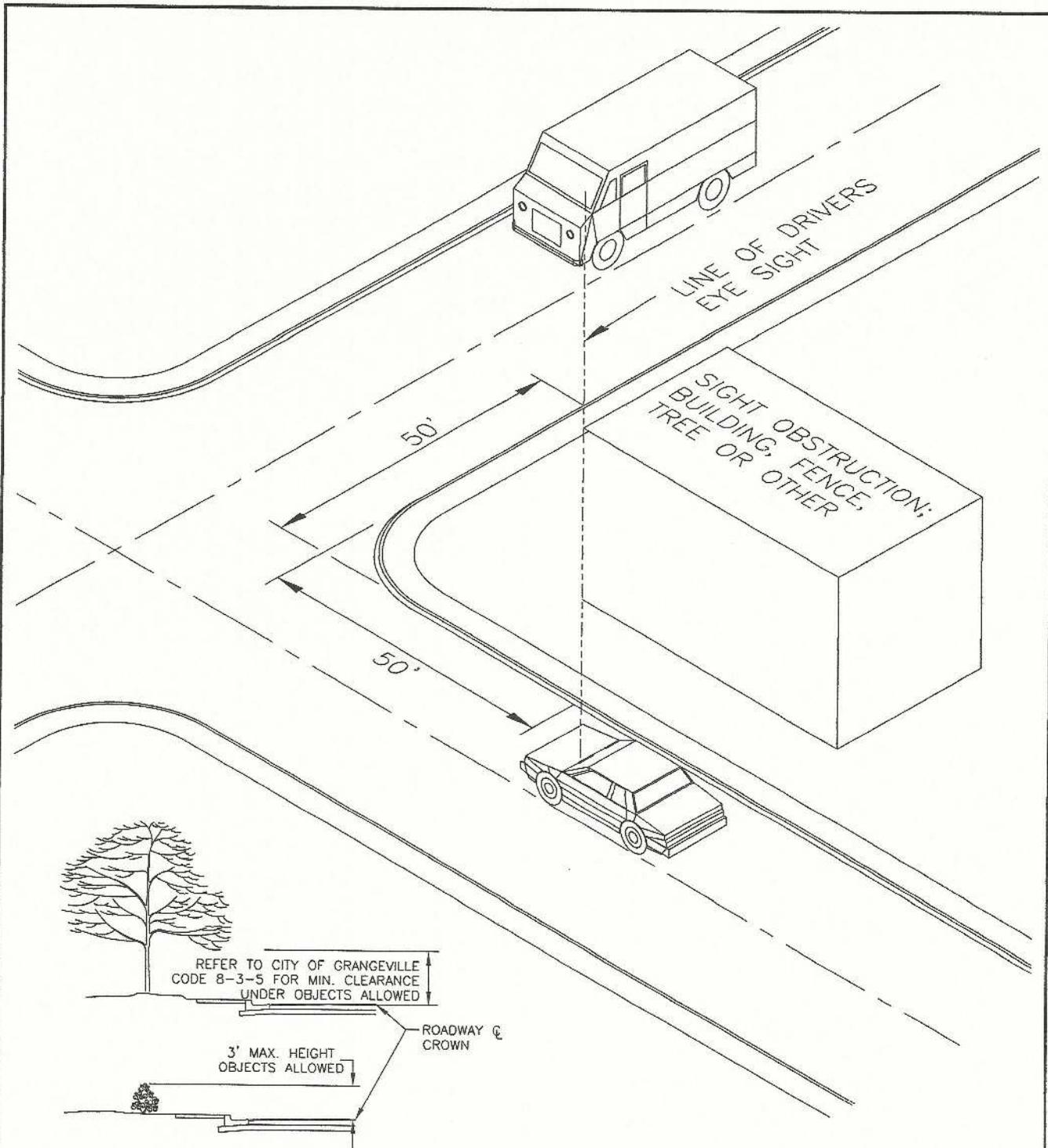
STREET SECTION SCHEDULE

STREET DESIGNATION	SUB-BASE or BALLAST	BASE COURSE	PLANT MIX PAVEMENT	*CURB TYPE	SIDEWALK WIDTH	STREET WIDTH	RIGHT-OF-WAY WIDTH
RESIDENTIAL	8"	2"	2.5"	VERTICAL	4'-0"	37'-0" TBC TO TBC	56'-0"
INDUSTRIAL	12"	4"	3"	VERTICAL	4'-0"	52'-0" TBC TO TBC	80'-0"
COLLECTOR	11"	4"	3"	VERTICAL	5'-0"	Varies	60'-0"
MINOR ARTERIAL	12"	4"	3"	VERTICAL	5'-0"	49'-0" TBC TO TBC	66'-0"
PRINCIPAL ARTERIAL	12"	4"	3"	VERTICAL	5'-0"	66'-0" TBC TO TBC	90'-0"
ALL WEATHER STREET SECTION	8"	2"	0"	NONE	NONE	20'-0" EDGE TO EDGE	VARIES

GRANGEVILLE STANDARD PAVEMENT WIDTH VARIES 24' MINIMUM

NOTES:

1. STREET STRUCTURE SECTIONS LISTED ARE MINIMUMS AND MAY VARY DEPENDING UPON SITE SPECIFIC SOIL CONDITIONS. A ROADWAY SECTION DESIGN MAY INCLUDE A SITE GEOTECHNICAL INFORMATION PREPARED BY A REGISTERED PROFESSIONAL ENGINEER, AS REQUIRED FOR REVIEW AND APPROVAL BY THE CITY OF GRANGEVILLE.
2. STREET AND RIGHT-OF-WAY WIDTHS LISTED ARE MINIMUMS. ADDITIONAL STREET AND RIGHT-OF-WAY WIDTHS MAY BE REQUIRED BY THE PUBLIC WORKS DIRECTOR.
3. ROLLED CURB & GUTTER: SHALL BE CONSTRUCTED PER GRANGEVILLE STANDARD DRAWING C-702 WITH THE REQUIREMENT OF 6" OF COMPACTED 3/4" CRUSHED GRAVEL UNDERNEATH.
4. VERTICAL CURB & GUTTER: SHALL BE CONSTRUCTED PER GRANGEVILLE STANDARD DRAWING C-701 WITH THE REQUIREMENT OF 6" OF COMPACTED 3/4" CRUSHED GRAVEL UNDERNEATH.
5. SIDEWALK: SHALL BE CONSTRUCTED PER GRANGEVILLE STANDARD DRAWING C-709 WITH THE REQUIREMENT OF 4" OF COMPACTED 3/4" CRUSHED GRAVEL UNDERNEATH.
6. BASE, SUB-BASE AND SUBGRADE COMPACTION SHALL COMPLY WITH ISPGC SECTION 202.



HEIGHT RESTRICTION WITHIN TRIANGLE

NOTE:

IDAHO STATE STATUTE 49-221:

"THE ABOVE SIGHT OBSTRUCTIONS SHALL NOT EXTEND MORE THAN THREE (3) FEET, OR LESS THAN TEN (10) FEET, IN HEIGHT ABOVE THE EXISTING ROADWAY CENTERLINE ELEVATION WITHIN THE VISION TRIANGLE OF VEHICLE OPERATORS".



VISION TRIANGLE

DATE:	
REV. #	
ACAD FILE:	R-812.DWG

R-812

STANDARD DRAWING NO.