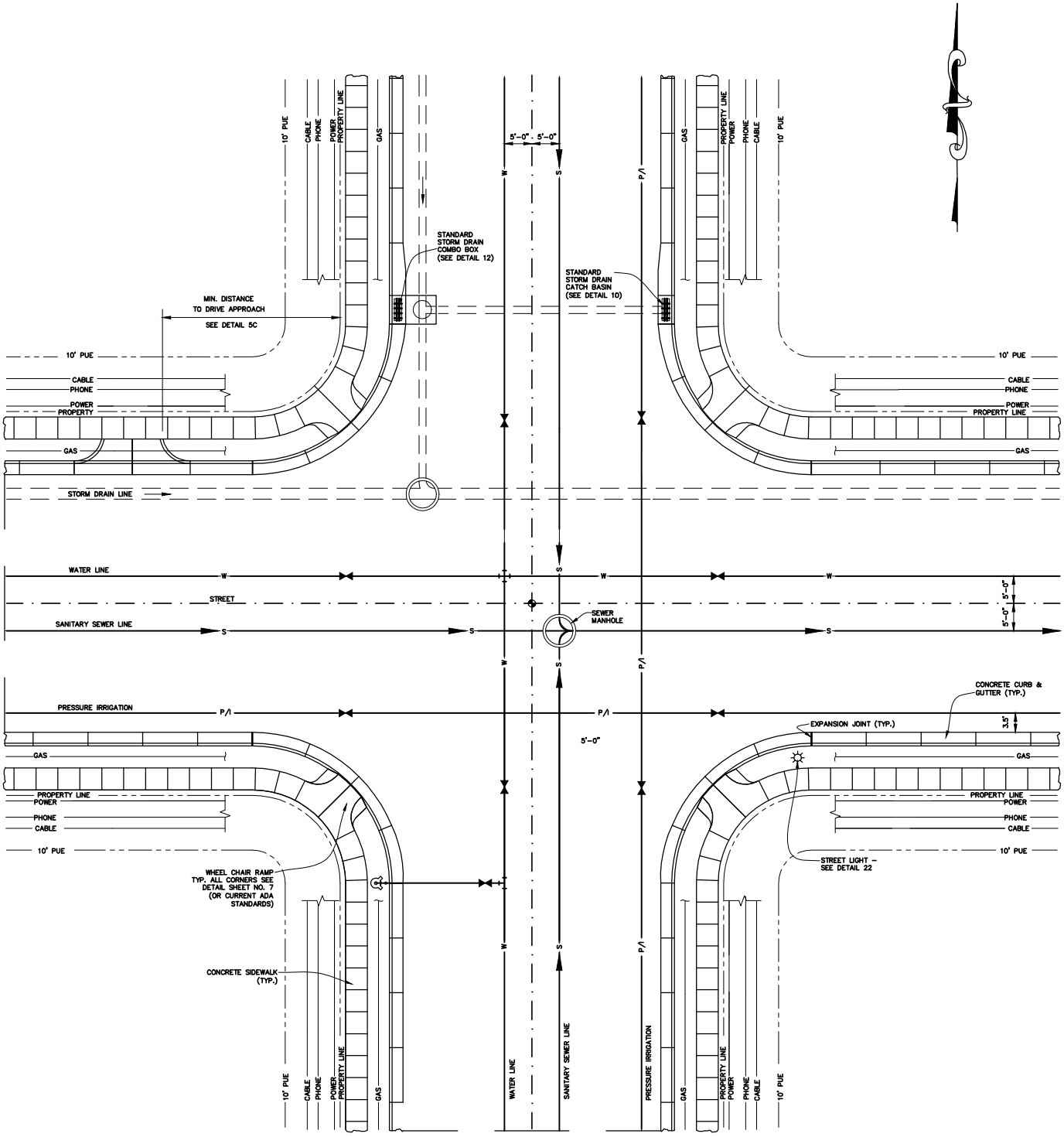

STATEMENT OF USE

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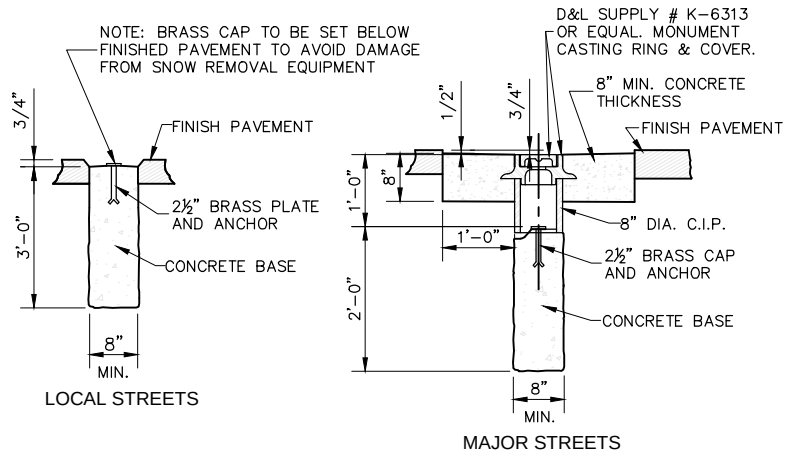
STANDARD URBAN STREET INTERSECTION & UTILITY LOCATIONS

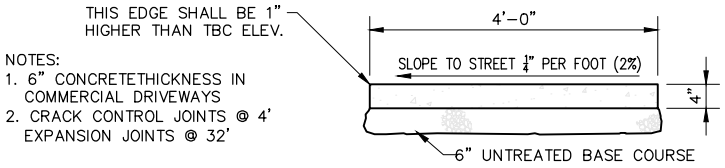
HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER:	1
CAD DWG:	STREET_IMP_PLN
PLOT SCALE:	1 = 1
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE	NOV 2003



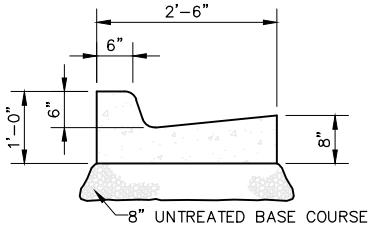
SURVEY MONUMENT SECTION

SCALE: N.T.S.

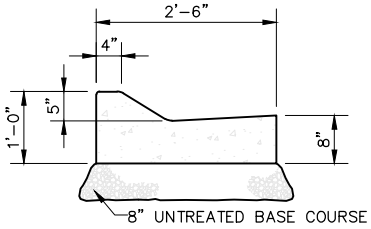


SIDEWALK SECTION

SCALE: N.T.S.



NOTES:
CRACK CONTROL JOINTS @ 10'
EXPANSION JOINTS @ 50'

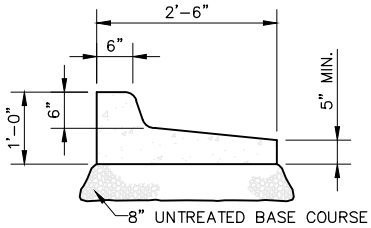


STANDARD CURB & SECTION

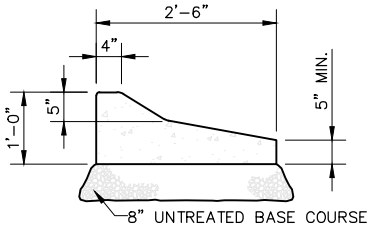
SCALE: N.T.S.

MODIFIED CURB & GUTTER SECTION (LOCAL STREETS ONLY)

SCALE: N.T.S.



NOTES:
CRACK CONTROL JOINTS @ 10'
EXPANSION JOINTS @ 50'



STANDARD SPILL CURB & SECTION

SCALE: N.T.S.

MODIFIED SPILL CURB & GUTTER SECTION (LOCAL STREETS ONLY)

SCALE: N.T.S.

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
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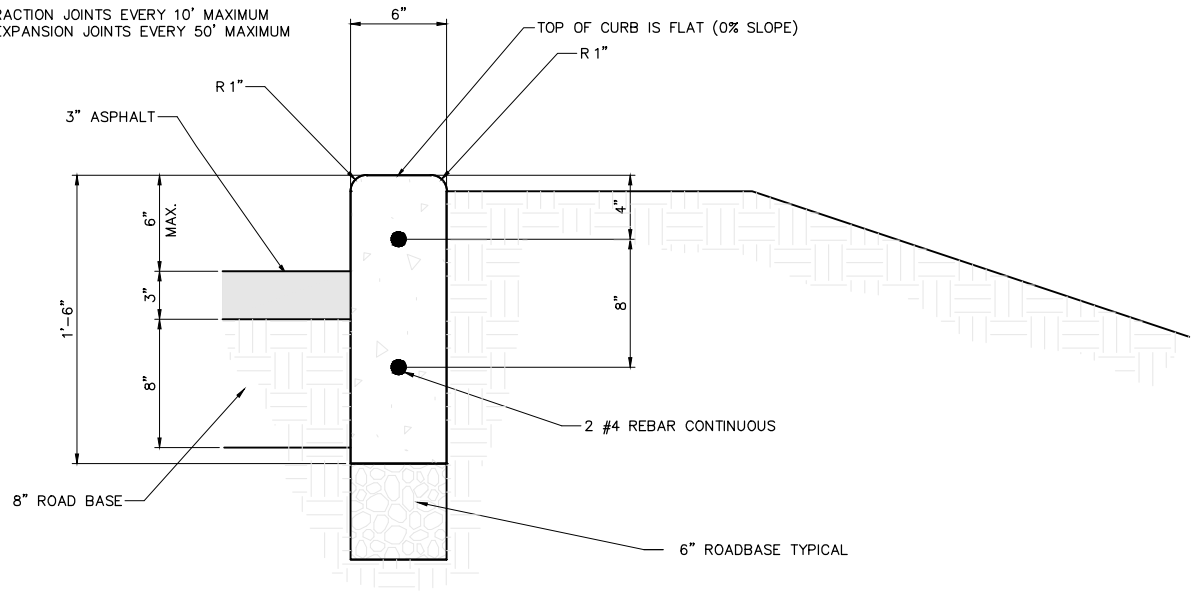
STREET IMPROVEMENT SECTIONS

HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER: 2A

CAD DWG:	STREET_IMP_SEC
PLOT SCALE:	1 = 32
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	NOV 2005

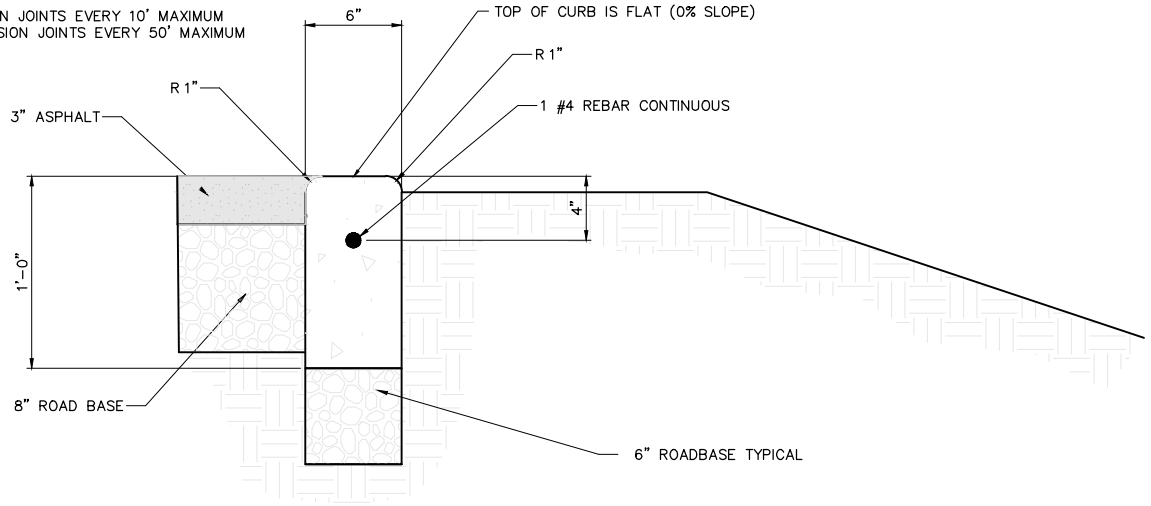
NOTE:
CONTRACTION JOINTS EVERY 10' MAXIMUM
AND EXPANSION JOINTS EVERY 50' MAXIMUM



TYPICAL 18" CONCRETE CURB

SCALE: N.T.S.

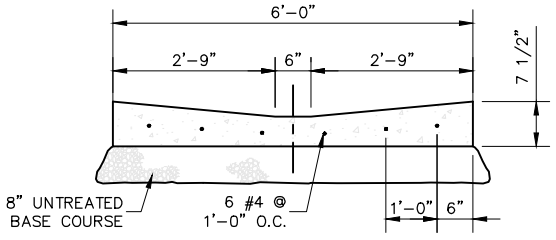
NOTE:
CONTRACTION JOINTS EVERY 10' MAXIMUM
AND EXPANSION JOINTS EVERY 50' MAXIMUM



TYPICAL 12" CONCRETE CURB

SCALE: N.T.S.

NOTES:
CONSTRUCTION & EXPANSION JOINTS @ 5'
EXPANSION JOINTS @ EDGE OF APRON



NOTE:
THIS STANDARD TO BE USED ONLY WHERE APPROVED BY HOOPER CITY PUBLIC WORKS.

CROSS DRAIN SECTION

SCALE: N.T.S.

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
1				
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STREET IMPROVEMENT SECTIONS

HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER: 2B

CAD DWG:	STREET_IMP_SEC
PLOT SCALE:	1 = 32
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	NOV 2005

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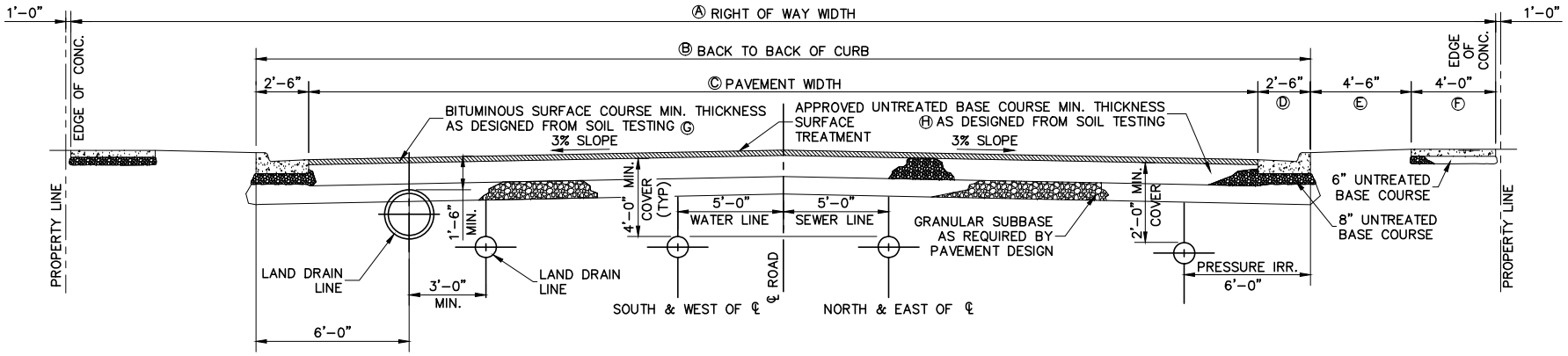
STANDARD ARTERIAL STREET SECTION

HOOPER CITY
DEVELOPMENT STANDARDS



NOTES:
1. TOP BACK OF CURB ON BOTH SIDES OF ROAD TO BE SAME ELEVATIONS.
2. THE CITY ENGINEER SHALL VERIFY PAVEMENT DESIGN PRESCRIBED BY SOILS REPORT. (SEE SPECIFICATIONS)
3. COMMERCIAL AND INDUSTRIAL STREET SECTIONS ARE DETERMINED BASED ON A TRAFFIC ANALYSIS FOR THE PARTICULAR USE.

STREET DESIGNATION	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	Ⓗ
ARTERIAL	UDOT	UDOT	UDOT	UDOT	4.5'	4.0'	NOTE 2	NOTE 2
SECONDARY ARTERIAL	84'	65'	60'	2.5'	4.5'	4.0'	NOTE 2	NOTE 2

STANDARD ARTERIAL STREET SECTION

STANDARD DRAWING NUMBER: 3

CAD DWG:STREET_SEC_C&G
PLOT SCALE: 1 = 1
DRAWN BY: JDM
DESIGN BY: TLA
CHECKED BY: TLA
ADOPTED DATE:NOV 2003

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NOTES:
1. TOP BACK OF CURB ON BOTH SIDES OF ROAD TO BE SAME ELEVATIONS.
2. THE CITY ENGINEER SHALL VERIFY PAVEMENT DESIGN PRESCRIBED BY SOILS REPORT. (SEE SPECIFICATIONS)
3. COMMERCIAL AND INDUSTRIAL STREET SECTIONS ARE DETERMINED BASED ON A TRAFFIC ANALYSIS FOR THE PARTICULAR USE.

STREET DESIGNATION	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	Ⓗ
COLLECTOR	66'	47'	42'	2.5	4.5'	4.0'	3" MIN.	8" MIN.
LOCAL	60'	41'	36'	2.5'	4.5'	4.0'	3" MIN.	8" MIN.

STANDARD STREET SECTION WITH CURB & GUTTER

STANDARD STREET SECTION
WITH CURB & GUTTER

HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER: 4A

CAD DWG STREET_SEC_RURAL_4A
PLOT SCALE: 1 = 1
DRAWN BY: JDM
DESIGN BY: TLA
CHECKED BY: TLA
ADOPTED DATE: NOV 2003

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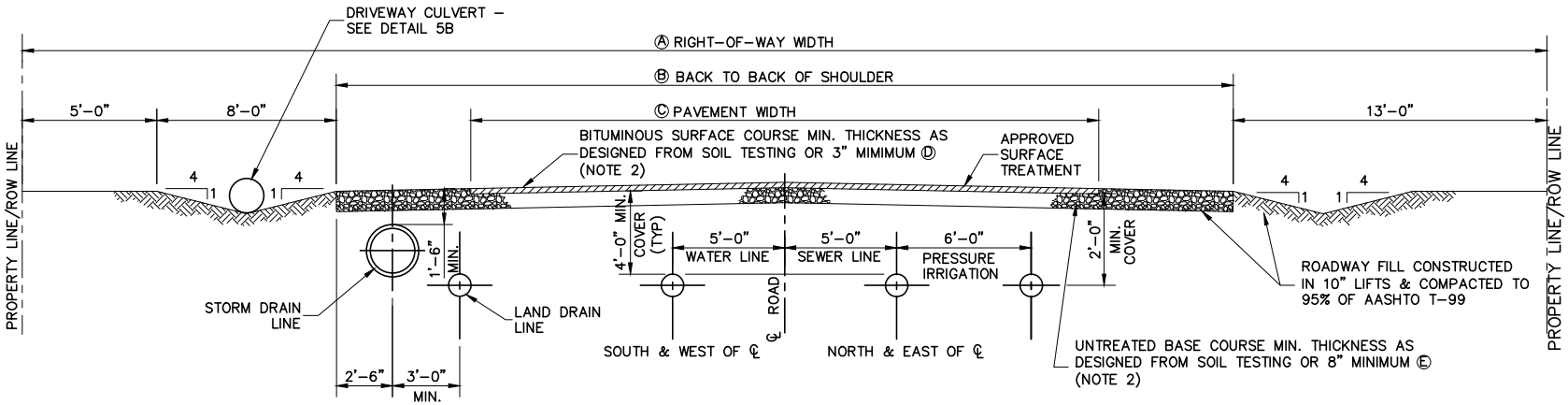
STANDARD RURAL STREET SECTION WITHOUT CURB & GUTTER

HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER: 4B

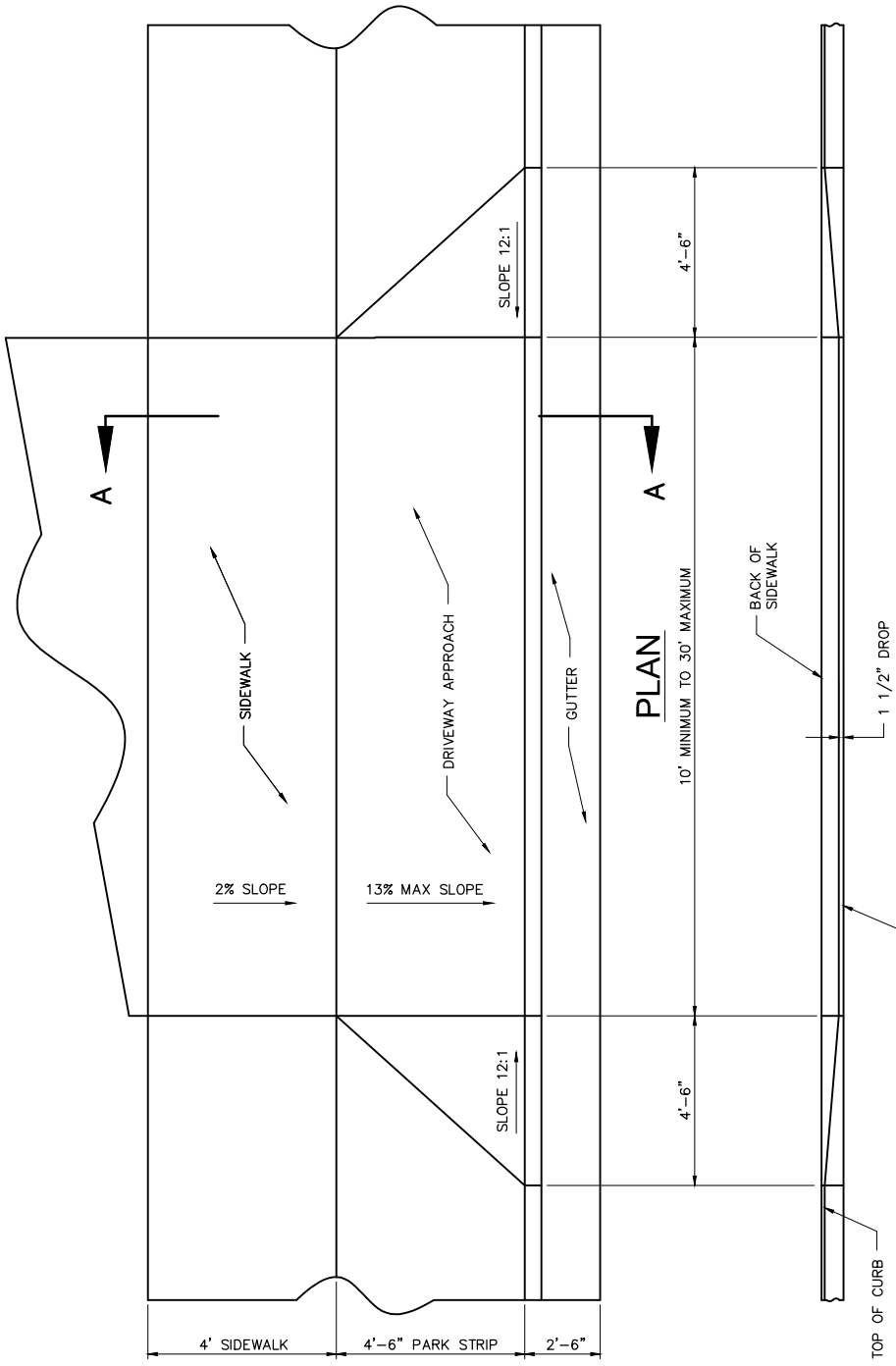
CAD DWG:STREET_SEC_SWALE
PLOT SCALE: 1 = 1
DRAWN BY: JDM
DESIGN BY: TLA
CHECKED BY: TLA
ADOPTED DATE:NOV 2003



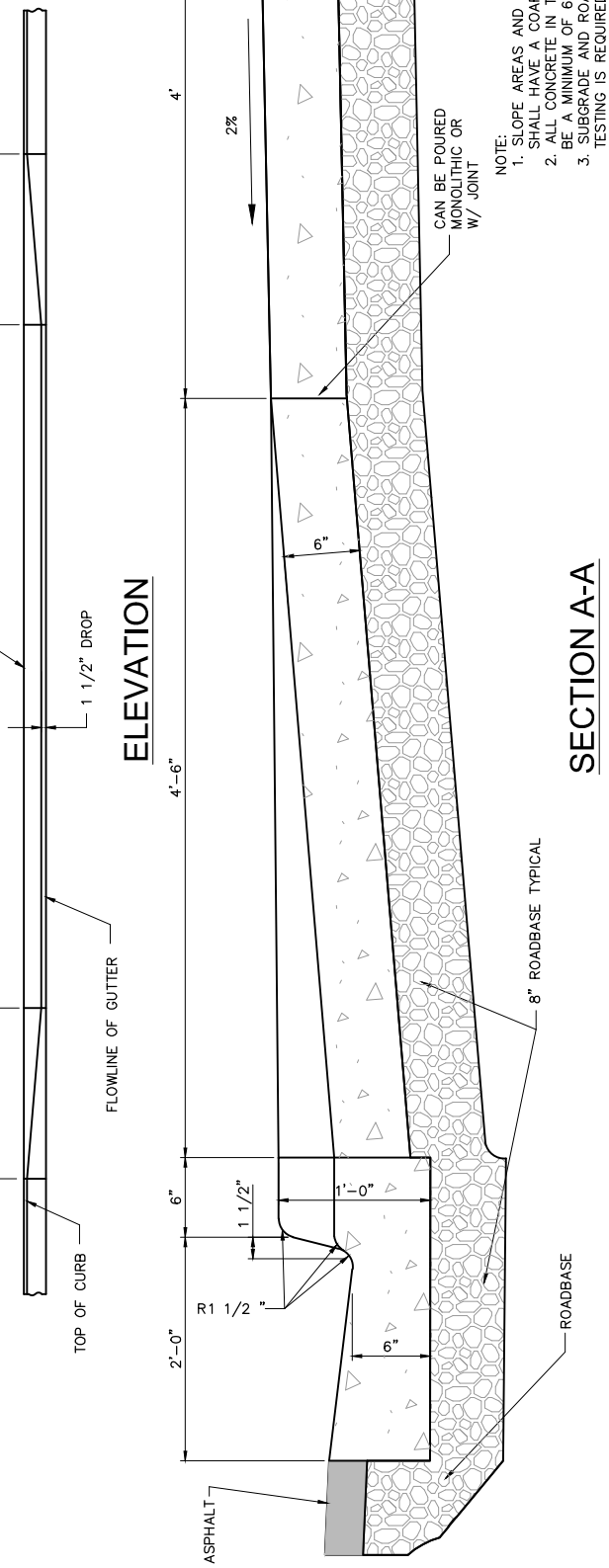
NOTES:
1. BACK OF SHOULDER ON BOTH SIDES OF ROAD TO BE SAME ELEVATIONS.
2. THE CITY ENGINEER SHALL VERIFY PAVEMENT DESIGN PRESCRIBED BY SOILS REPORT. (SEE SPECIFICATIONS)
3. COMMERCIAL AND INDUSTRIAL STREET SECTIONS ARE DETERMINED BASED ON A TRAFFIC ANALYSIS FOR THE PARTICULAR USE.

STREET DESIGNATION	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ
COLLECTOR	66'	40'	28'	3" MIN.	8" MIN.
LOCAL	60'	34'	24'	3" MIN.	8" MIN.

STANDARD RURAL STREET SECTION WITHOUT CURB & GUTTER
(EXISTING STREETS ONLY - NOT FOR NEW DEVELOPMENT)



PLAN



ELEVATION

SECTION A-A

NOTE:
1. SLOPE AREAS AND SLOPE DRIVEWAYS SHALL HAVE A COARSE BROOM FINISH
2. ALL CONCRETE IN THE DRIVEWAY SHALL BE A MINIMUM OF 6" THICK.
3. SUBGRADE AND ROADBASE COMPACTION TESTING IS REQUIRED FOR DRIVEWAYS.

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
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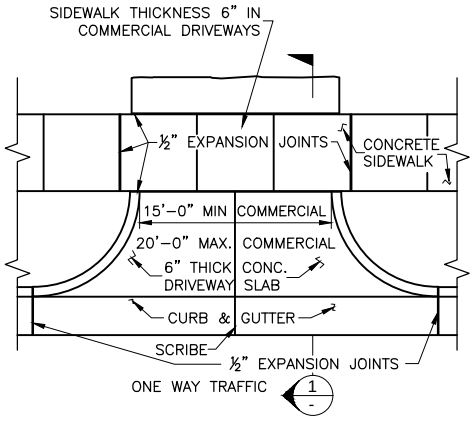
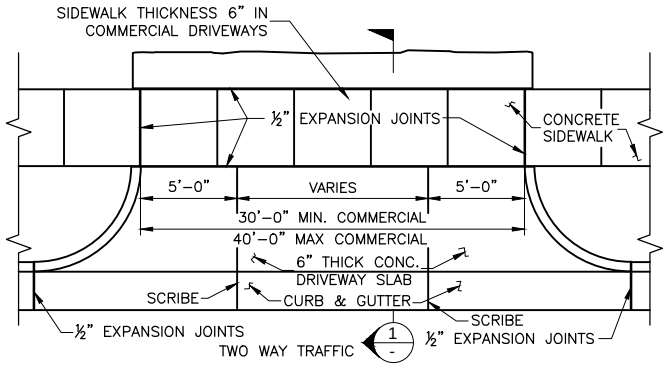
RESIDENTIAL DRIVEWAY DETAILS

HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER: 5A

CAD DWG:	STREET_IMP_SEC
PLOT SCALE:	1 = 1
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	NOV 2005

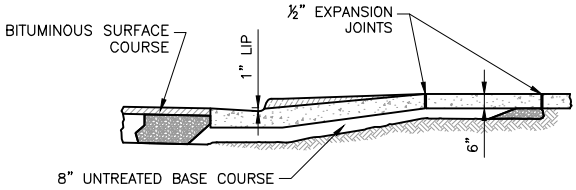




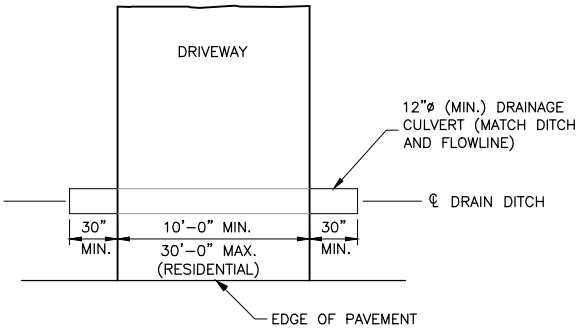
TYPE 1 DRIVEWAY APPROACH

PREFERRED STYLE FOR COMMERCIAL DEVELOPMENT

NOTE:
SCRIBE SIDEWALK ½" DEPTH AT EACH 4'–0"
EXPANSION JOINT AT EACH 32'–0"
CURB & GUTTER EXPANSION JOINT AT EACH 50'
CURB & GUTTER CONSTRUCTION JOINT AT EACH 10'



SECTION 1 / -
SCALE: N.T.S.



TYPE 2 DRIVEWAY APPROACH

TYPICAL ON EXISTING SWALE DRAINAGE FACILITIES - NOT FOR NEW DEVELOPMENT

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
1				
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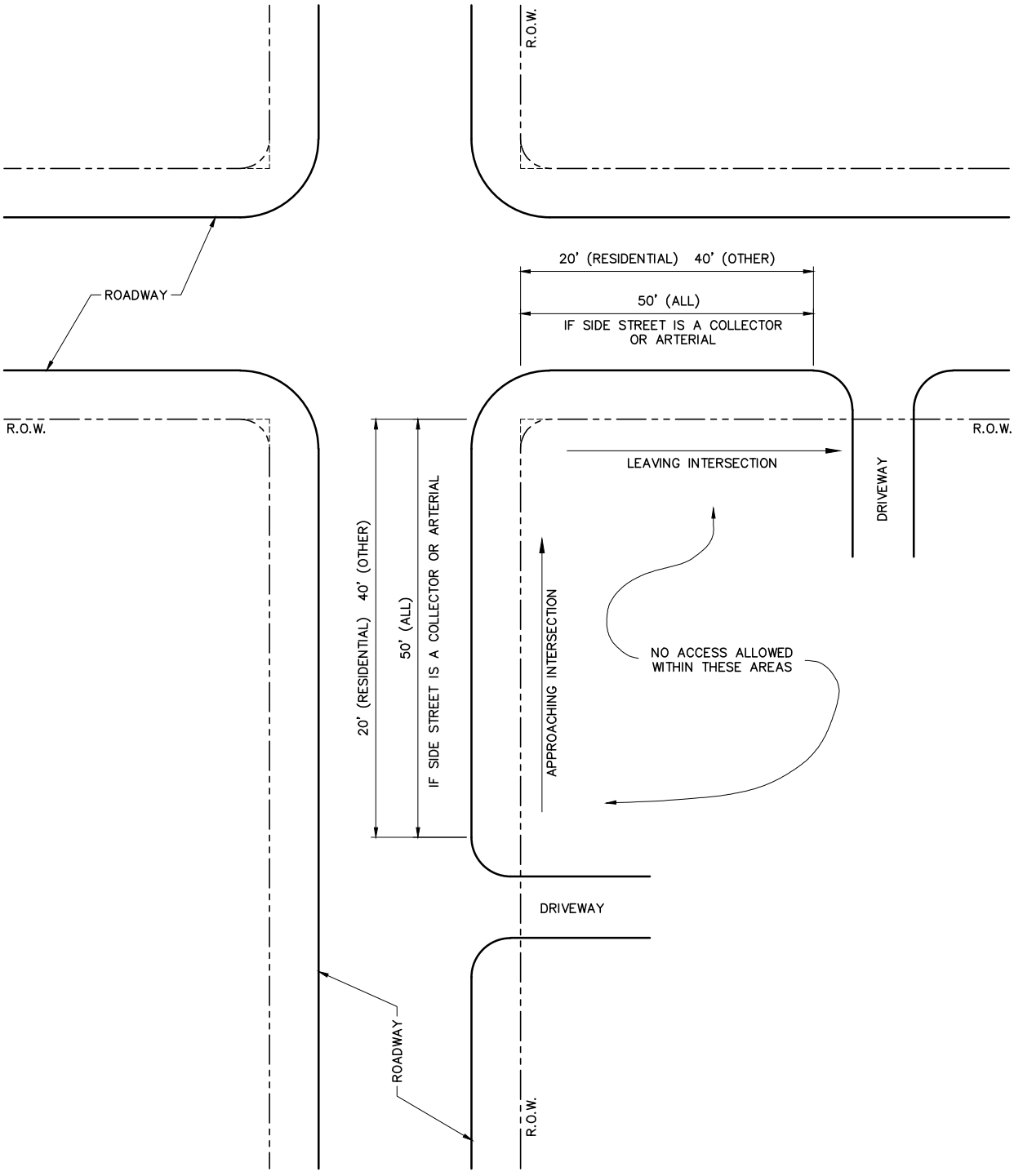
DRIVEWAY DETAILS

HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER: 5B

CAD DWG:	DRIVEWAY_DET
PLOT SCALE:	1 = 1
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	NOV 2005



REVISION

NO.	DESCRIPTION	BY	APR.	DATE
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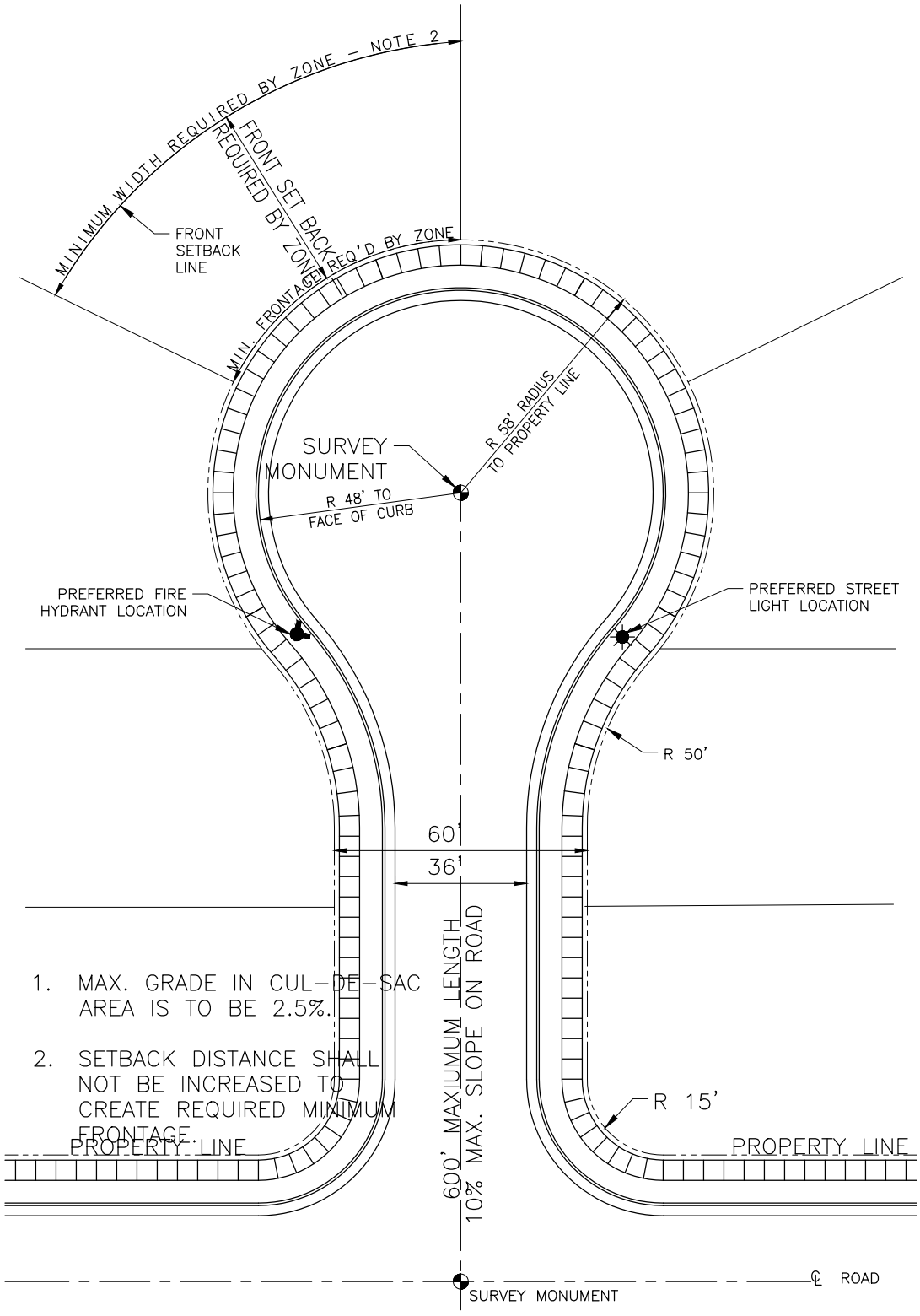
CONTROL OF ACCESS LIMITATIONS

HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER: 5C

CAD DWG:	RES_CONTROL_ACCESS
PLOT SCALE:	1 = 2
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	DEC. 2016



1. MAX. GRADE IN CUL-DE-SAC AREA IS TO BE 2.5%.
2. SETBACK DISTANCE SHALL NOT BE INCREASED TO CREATE REQUIRED MINIMUM FRONTAGE.

STANDARD CUL-DE-SAC

SCALE: N.T.S.

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
1				
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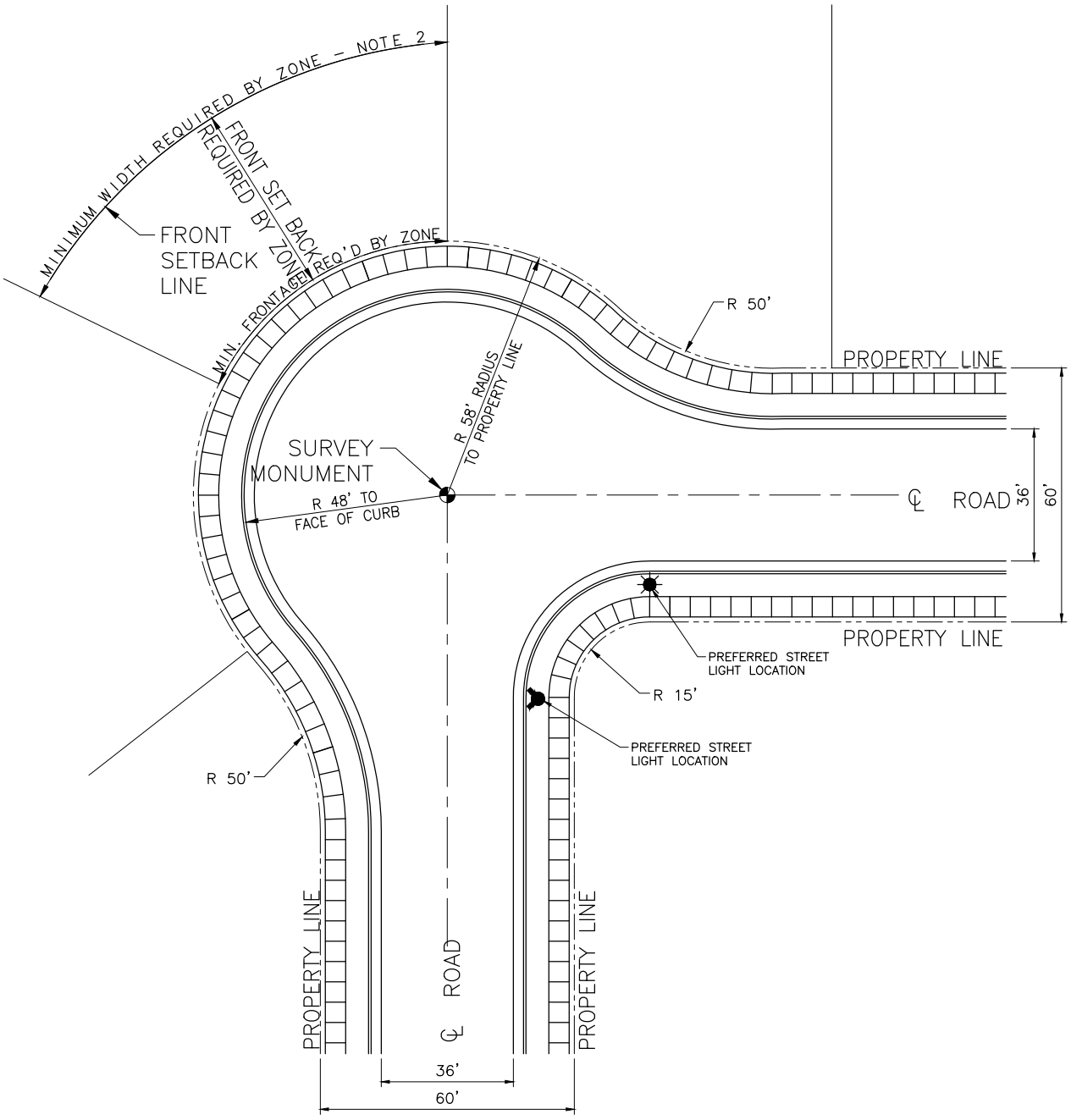
J-U-B ENGINEERS, INC.

STANDARD CUL-DE-SAC

HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER:	6A
CAD DWG:	STREET_IMP_SEC
PLOT SCALE:	1 = 1
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	XX



STANDARD KNUCKLE

SCALE: N.T.S.

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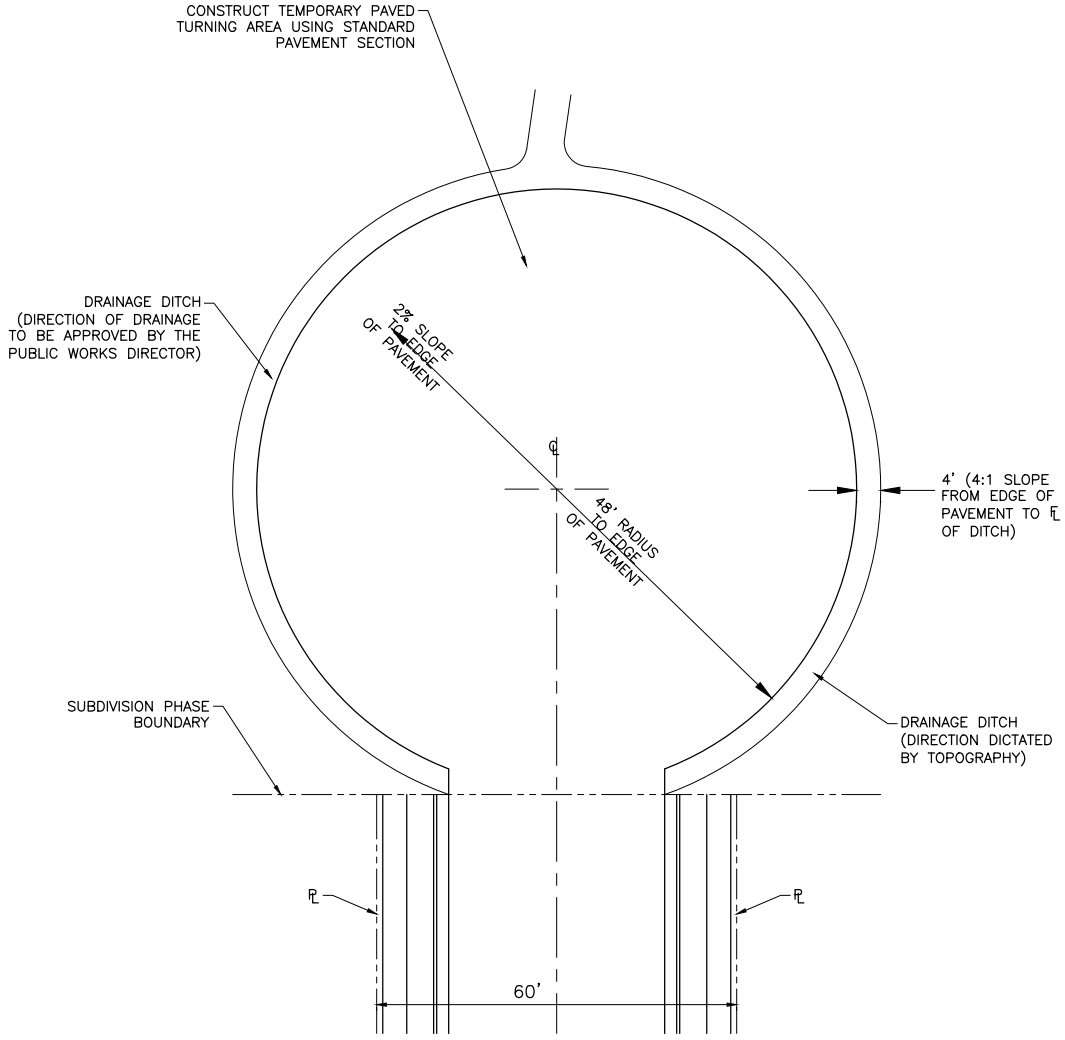
J-U-B ENGINEERS, INC.

STANDARD KNUCKLE AND TEMPORARY TURN-AROUND

HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER:	6B
CAD DWG:	STREET_IMP_SEC
PLOT SCALE:	1 = 1
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	XX



NOTES:
1. PAVED TEMPORARY TURN–AROUND WILL BE PERMITTED WHEN THE PERMANENT STREET IS PLANNED TO CONTINUE IN THE FUTURE AND THE PROPERTY ON WHICH THE TEMPORARY TURN–AROUND WILL BE BUILT IS OWNED BY THE DEVELOPER OF THE CURRENT DEVELOPMENT.

PAVED TEMPORARY TURN-AROUND

SCALE: N.T.S.

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
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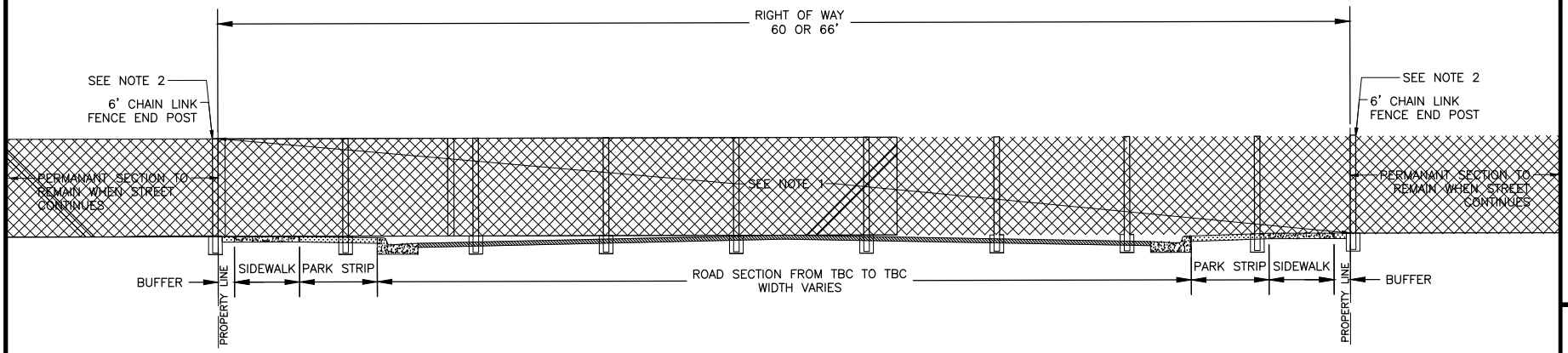
J-U-B ENGINEERS, INC.

PAVED TEMPORARY TURN-AROUND

HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER: 6C

CAD DWG:	CUL–DE–SAC
PLOT SCALE:	1 = 1
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	XX



NOTE:

1. FENCE SECTION IN RIGHT OF WAY TO BE REMOVED IN THE FUTURE; FENCE OUTSIDE THE RIGHT OF WAY IS TO REMAIN
2. ANY MODIFICATION OF FENCE BY THE PROPERTY OWNER, END POST WILL NEED TO BE INSTALLED AT THE PROPERTY LINE

LAND USE SEPARATION FENCE AT STUB STREET

SCALE: N.T.S.

STANDARD DRAWING NUMBER: 6D

CAD DWG: CUL-DE-SAC
PLOT SCALE: 1 = 1
DRAWN BY: ADM
DESIGN BY: ADM
CHECKED BY: TLA
ADOPTED DATE: XX

LAND USE SEPARATION FENCE DETAIL

HOOPER CITY
DEVELOPMENT STANDARDS

J-U-B ENGINEERS, INC.

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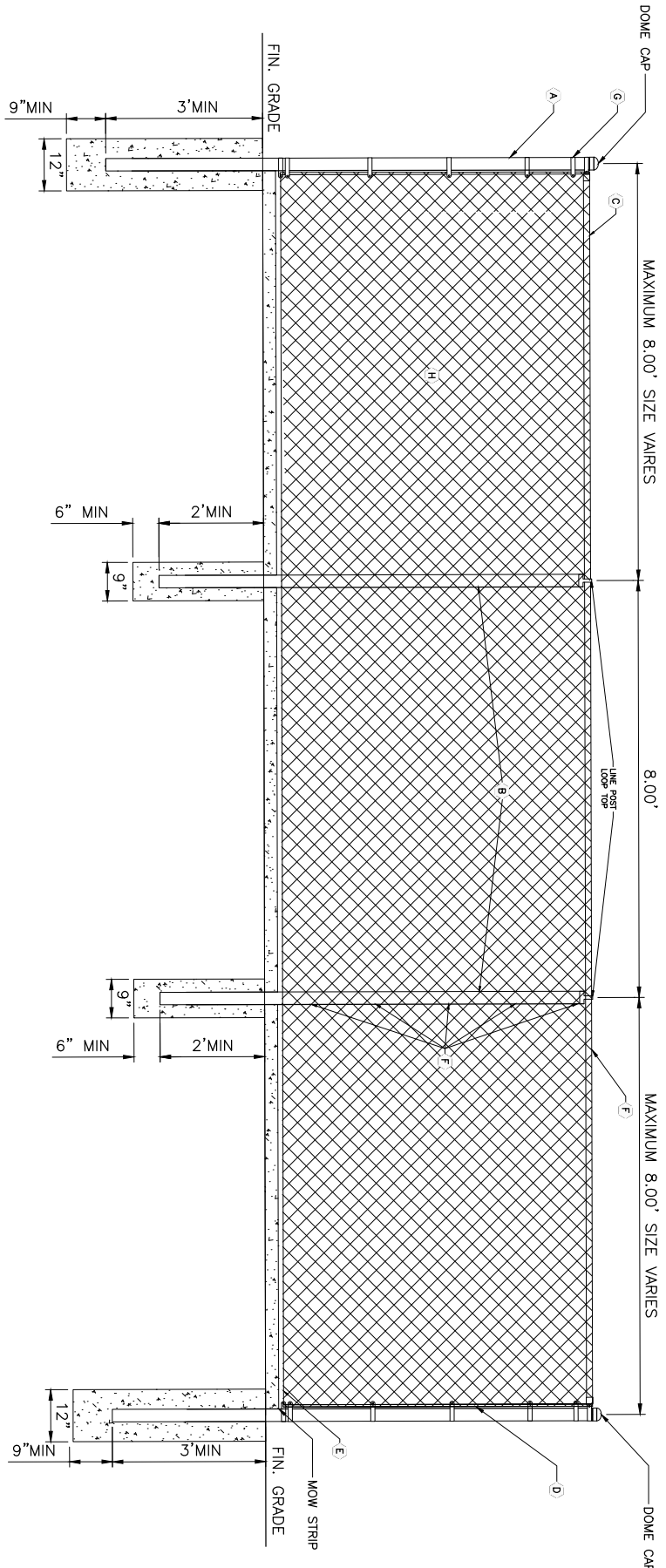

SIZING CHART

	ITEM	MATERIAL	SIZE	SPACING	NOTES
A	END POST	GALVANIZED STEEL ASTM F1083 SCH. 40 PIPE	9.5' X 2.375" OD (MIN)	–	–
B	LINE POST	GALVANIZED STEEL ASTM F1083 SCH. 40 PIPE	8.5' X 1.900" OD (MIN)	–	–
C	TOP RAIL	GALVANIZED STEEL ASTM F1043 SCH. 40 PIPE	1.660 OD	–	–
D	TENSION BAR	GALVANIZED STEEL ASTM F626	70" X 3/4" X 3/16"	–	–
E	TENSION WIRE	GALVANIZED STEEL	7-GAUGE (MIN)	–	INSTALL 4" ABOVE BOTTOM OF FABRIC
F	TIE WIRE	ALUMINUM ALLOY TIES	9-GAUGE (MIN)	18" OC	–
G	TENSION BANDS	GALVANIZED PRESSED STEEL ASTM F626	12 – GAUGE (MIN)	12" OC	–
H	FENCE FABRIC	GALVANIZED STEEL FABRIC	2" MESH, 9-GAUGE, 72" HIGH	–	TWIST TOP AND KNUCKLE BOTTOM SELVAGE

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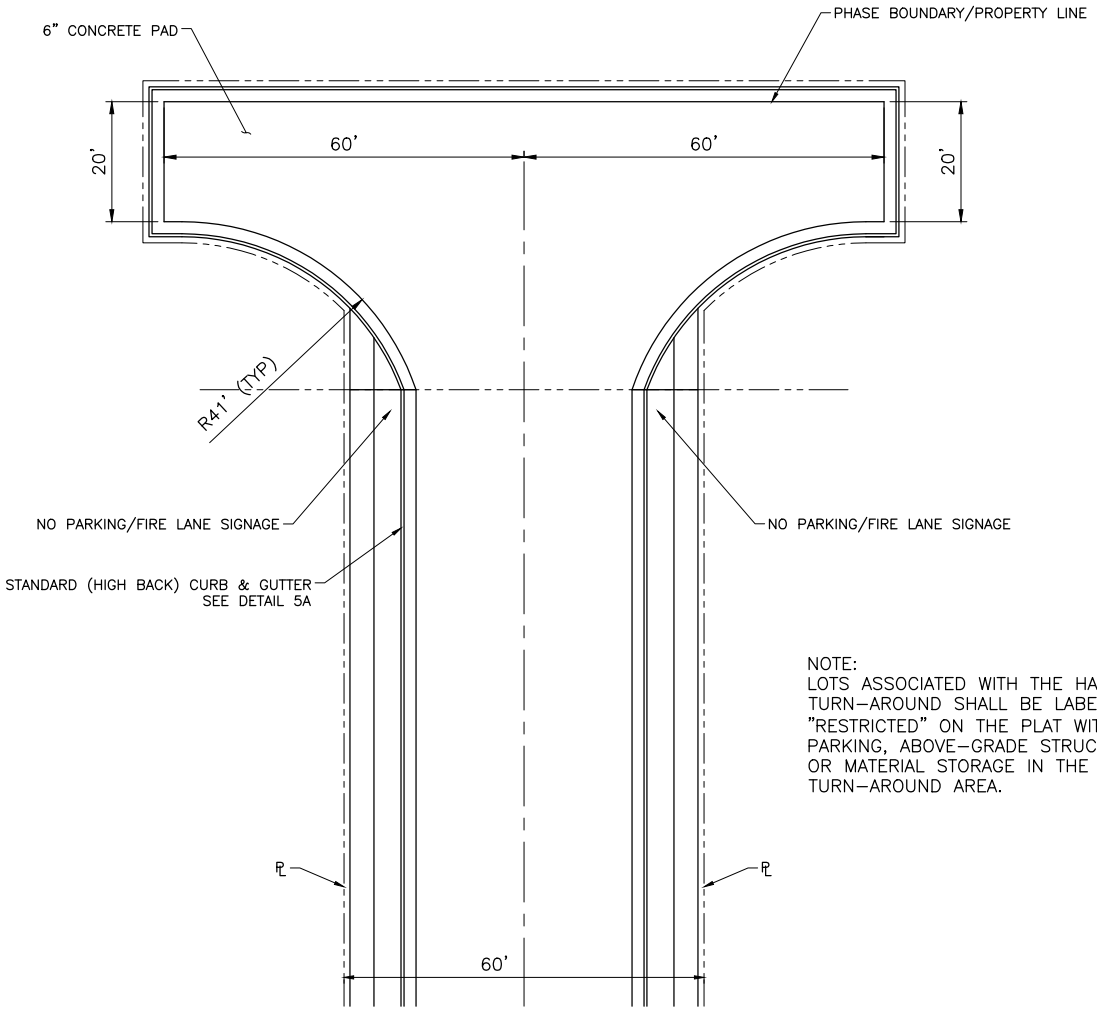
J-U-B ENGINEERS, INC.

CHAIN LINK FENCE DETAIL

HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER: 6E

CAD DWG:	CUL-DE-SAC
PLOT SCALE:	1 = 1
DRAWN BY:	ADM
DESIGN BY:	ADM
CHECKED BY:	TLA
ADOPTED DATE:	XX



NOTE:
LOTS ASSOCIATED WITH THE HAMMERHEAD TURN–AROUND SHALL BE LABELED "RESTRICTED" ON THE PLAT WITH NO PARKING, ABOVE–GRADE STRUCTURES, OR MATERIAL STORAGE IN THE TURN–AROUND AREA.

NOTE:
1. HAMMERHEAD TEMPORARY TURN–AROUND WILL BE REQUIRED WHEN THE PERMANENT STREET IS PLANNED TO CONTINUE AND THE ADJACENT PROPERTY IS NOT OWNED BY THE CURRENT DEVELOPER OR IS NOT PLANNED FOR IMMEDIATE DEVELOPMENT. THE HAMMERHEAD SHALL BE CONSTRUCTED WITH A 6–INCH CONCRETE SLAB ON A MINIMUM OF 6 INCHES OF UNTREATED BASE COURSE.
2. WHEN A HAMMERHEAD TURN–AROUND IS CONSTRUCTED, THE DEVELOPER MUST PLACE IN ESCROW WITH THE CITY FUNDS SUFFICIENT TO REMOVE THE PORTION OF THE HAMMERHEAD NECESSARY FOR THE CONSTRUCTION OF CURB, GUTTER AND SIDEWALK, FUND FOR ALL FUTURE STREET IMPROVEMENTS NEEDED TO COMPLETE THE ROADWAY TO THE BOUNDARY OF THE DEVELOPMENT, AND FUNDS TO REPAIR ADJACENT PROPERTIES TO GOOD CONDITION.
3. ALL CONSTRUCTION SHALL MEET THE HOOPER CITY STANDARDS AND SPECIFICATIONS.
4. 5. ALL WEATHER HARD SURFACE MUST BE COMPLETE PRIOR TO DELIVERY OF COMBUSTIBLE MATERIALS/ISSUANCE OF BUILDING PERMITS.

HAMMERHEAD TEMPORARY TURN-AROUND

SCALE: N.T.S. STANDARD (HIGH BACK) CURB & GUTTER

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
1				
2				
3				
4				

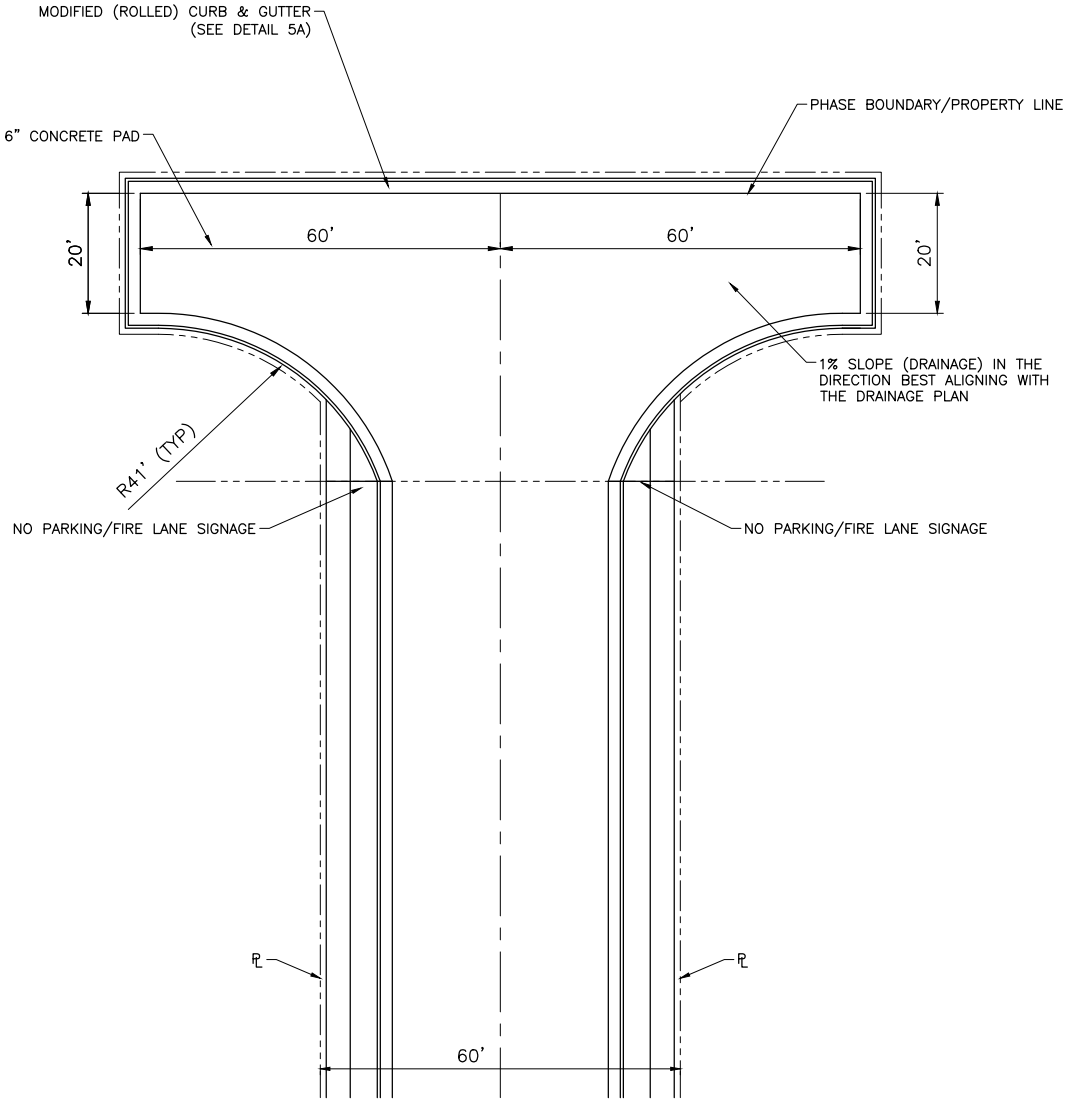
J-U-B ENGINEERS, INC.

STANDARD (HIGH BACK) CURB & GUTTER
TEMPORARY TURN-AROUND

HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER: 6F

CAD DWG:	CUL–DE–SAC
PLOT SCALE:	1 = 1
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	XX



NOTE:
1. HAMMERHEAD TEMPORARY TURN-AROUND WILL BE REQUIRED WHEN THE PERMANENT STREET IS PLANNED TO CONTINUE AND THE ADJACENT PROPERTY IS NOT OWNED BY THE CURRENT DEVELOPER OR IS NOT PLANNED FOR IMMEDIATE DEVELOPMENT.
2. LOTS ASSOCIATED WITH THE HAMMERHEAD TURN-AROUND SHALL BE LABELED "RESTRICTED" ON THE PLAT WITH NO PARKING OR ABOVE-GRADE STRUCTURES IN THE TURN-AROUND AREA.
3. ALL HARD SURFACES SHALL HAVE A MIN OF 8" COMPACTED ROAD BASE PLACED OM SUITABLE SUB-BASE MATERIAL.
4. ALL CONSTRUCTION SHALL MEET THE HOOPER CITY STANDARDS AND SPECIFICATIONS.
5. ALL WEATHER HARD SURFACE MUST BE COMPLETE PRIOR TO DELIVERY OF COMBUSTIBLE MATERIALS/ISSUANCE OF BUILDING PERMITS.

HAMMERHEAD TEMPORARY TURN-AROUND

SCALE: N.T.S. MODIFIED (ROLLED) CURB & GUTTER

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
1				
2				
3				
4				

J-U-B ENGINEERS, INC.

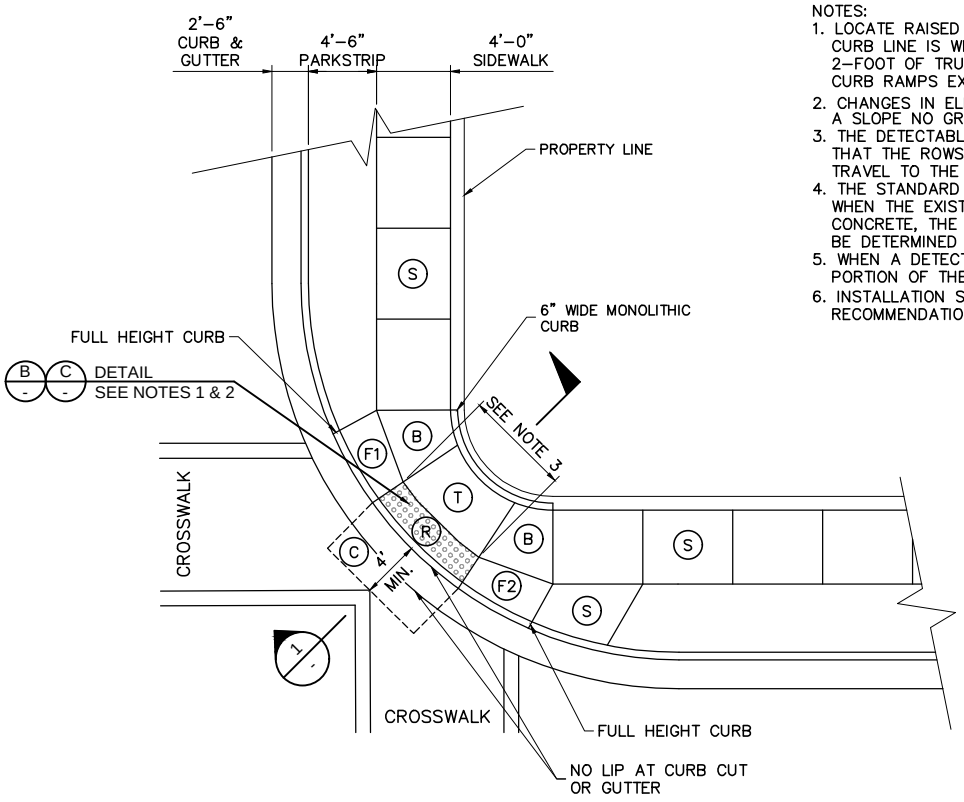
HAMMER HEAD TEMPORARY TURN-AROUND
MODIFIED (ROLLED) CURB & GUTTER

HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER: 6G

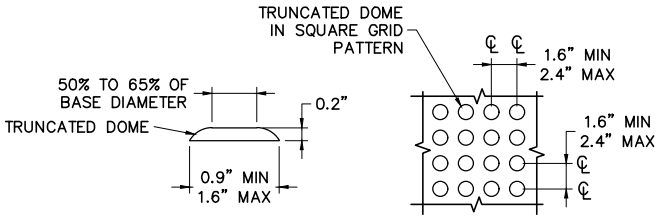
CAD DWG:	CUL-DE-SAC
PLOT SCALE:	1 = 1
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	XX

NOTES:
1. LOCATE RAISED TRUNCATED DOMES SO THAT THE EDGE NEAREST THE CURB LINE IS WITHIN 6 TO 8 INCHES FROM THE CURB LINE. PROVIDE 2–FOOT OF TRUNCATED DOME PATTERN AT THE LOWER END OF ALL CURB RAMPS EXTENDING THE FULL WIDTH OF THE CURB RAMP.
2. CHANGES IN ELEVATION GREATER THAN ¼" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 2:1
3. THE DETECTABLE WARNING SURFACE DOMES SHALL BE ORIENTED SUCH THAT THE ROWS ARE PARALLEL WITH THE DIRECTION OF PEDESTRIAN TRAVEL TO THE RAMP ON THE OPPOSITE SIDE OF THE STREET.
4. THE STANDARD COLOR FOR THE DETECTABLE WARNING SHALL BE YELLOW. WHEN THE EXISTING SIDEWALK COLOR IS NOT STANDARD CONCRETE, THE COLOR OF THE DETECTABLE WARNING SURFACE SHALL BE DETERMINED BY HOOPER CITY.
5. WHEN A DETECTABLE WARNING SURFACE DOME IS CUT, THE REMAINING PORTION OF THE DOME SHALL BE BEVELED TO A MAXIMUM SLOPE OF 1:2.
6. INSTALLATION SHALL BE DONE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION.



A.D.A. WHEELCHAIR RAMP DETAIL A -

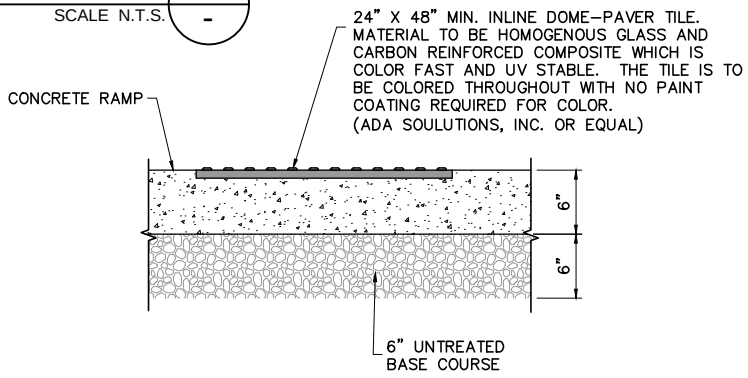
SCALE N.T.S.



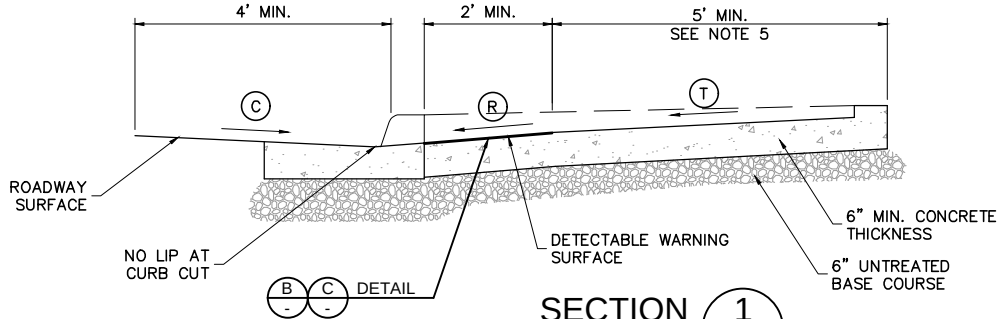
DETECTABLE WARNING SURFACE

DETAIL B -

N.T.S.



INLINE DOME PAVER TILE C -



SECTION 1 -

N.T.S.

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
1	REV'D PER NEW A.D.A. REQUIREMENTS	JDM	TLA	3/9/04
2	REV'D DETECTABLE WARNING DETAIL	JDM	TLA	9/24/04
3				
4				

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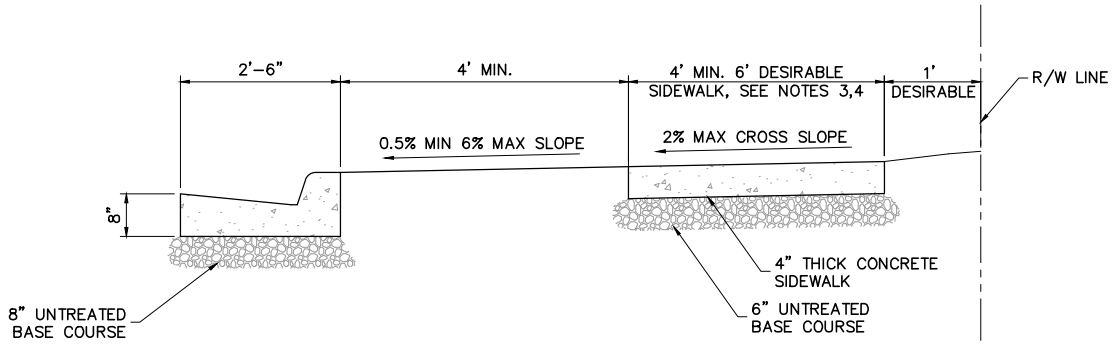
WHEELCHAIR RAMP

HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER: 7A

CAD DWG:	WHEELCHAIR_RAMP
PLOT SCALE:	1 = 2
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	SEP. 2004



NOTES:
1. INSTALL 8:1 OR FLATTER TAPER WHEN CHANGING THE WIDTH OF SIDEWALK.
2. PROVIDE A 5 FT X 5 FT PASSING SPACE ON PEDESTRIAN ACCESS ROUTES LESS THAN 5 FT WIDE AT INTERVALS OF 200 FT MAXIMUM.
3. SIDEWALK CROSS SLOPE DIMENSIONS SHOWN ARE NOT SUBJECT TO CONVENTIONAL INDUSTRY TOLERANCES. CONSTRUCT SIDEWALKS AND RAMPS SUCH THAT THE MINIMUM AND MAXIMUM VALUES ARE EXCEEDED. WORK THAT EXCEEDS THOSE VALUES WILL NOT BE ACCEPTED.
4. PROVIDE A 5 FT X 5 FT PASSING AREA ON SIDEWALKS OF LESS THAN 5 FT WIDE WHEN THERE IS NOT A HARD SURFACE PASSING AREA OF 5 FT MINIMUM WIDTH IN A 200 FT SEGMENT.
5. A MINIMUM OF 7 FT IS REQUIRED AT BACK OF SIDEWALK AT DRIVEWAY LOCATIONS TO MEET GRADING REQUIREMENTS.

PARK STRIP DETAIL — A

N.T.S. —

SLOPE TABLE

	ITEM	MAX RUNNING SLOPE *	MAX CROSS SLOPE *
(T)	TURNING SPACE	2%	2% (d)
(R)	RAMP	8.3% (a) 5.1% MIN	2%
(B)	BLENDED TRANSITION	5%	2% (d)
(C)	CLEAR SPACE/GUTTER	5% (b)	2% (d)
(S)	SIDEWALK	–	2%
(F1)	FLARE WITHIN SIDEWALK	10% (c)	–
(F2)	FLARE NOT IN SIDEWALK	25% (C)	–
	CROSSWALK	5%	2% (e) (F)

* RUNNING SLOPE IS IN THE DIRECTION OF PEDESTRIAN TRAVEL.
** CROSS SLOPE IS PERPENDICULAR TO PEDESTRIAN TRAVEL. SEE CLEAR SPACE/GUTTER DETAIL C

(a) LENGTH OF RUNNING SLOPE FOR RAMPS IS NOT REQUIRED TO EXCEED 15 FT.

(b) MAINTAIN CONSISTENCY OF CLEAR SPACE RUNNING SLOPE ACROSS ENTIRE CURB CUT. WARP GUTTER PAN TO MEET REQUIRED CLEAR SPACE SLOPE AT CURB CUT.

(c) MEASURE FLARE SLOPE PARALLEL TO CURB LINE.

(d) DO NOT EXCEED THE ROADWAY PROFILE GRADE FOR THE CROSS SLOPE AT CROSSWALKS WITHOUT A STOP OR YIELD SIGN AND AT MID-BLOCK CROSSWALKS.

(e) DO NOT EXCEED 5 PERCENT CROSS SLOPE AT CROSSWALKS AT INTERSECTIONS WITHOUT A STOP OR YIELD SIGN.

(f) DO NOT EXCEED A CROSS SLOPE EQUAL TO THE STREET OR HIGHWAY GRADE AT MID BLOCK CROSSWALKS.

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
3	REV'D PER NEW A.D.A. REQUIREMENTS	JDM	TLA	3/9/04
2	REV'D DETECTABLE WARNING DETAIL	JDM	TLA	9/24/04
1				
0				

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WHEELCHAIR RAMP

HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER: 7B

CAD DWG:	WHEELCHAIR_RAMP
PLOT SCALE:	1 = 2
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	SEP. 2004

GENERAL NOTES:

1. DIMENSIONS SHOWN IN THE SLOPE TABLE ARE NOT SUBJECT TO CONVENTIONAL INDUSTRY TOLERANCES. CONSTRUCT SIDEWALK S AND RAMPS SUCH THAT THE MAXIMUM OR MINIMUM VALUES ARE NOT EXCEEDED. WORK THAT EXCEEDS THOSE VALUES WILL NOT BE ACCEPTED.

2. SITE CONDITIONS WILL VARY, CONFIGURATION OF RAMP, BLENDED TRANSITION, TURNING SPACE AND CLEAR SPACE MAY BE CHANGED, BUT THEY MUST MEET DIMENSIONS AND SLOPES SHOWN HERE. THE USE OF ITEMS SUCH AS FLARES AND CURB WALL ARE AT THE DISCRETION OF THE ENGINEER.

3. RAMP GRADE BREAK MUST BE PERPENDICULAR TO THE RUNNING SLOPE.

4. TURNING SPACE WIDTH: USE THE LARGER OF THE CURB CUT WIDTH OR A 4 FT MINIMUM WIDTH X 4 FT MINIMUM DEPTH.

5. TURNING SPACE DEPTH: USE A 4 FT MINIMUM DEPTH WHEN THE TURNING SPACE IS UNCONSTRAINED. USE A 5 FT MINIMUM DEPTH WHEN THE TURNING SPACE IS CONSTRAINED.

6. CONSTRUCT BLENDED TRANSITIONS WITHOUT A TURNING SPACE ONLY WHEN TECHNICAL INFEASIBILITY PREVENTS THE INSTALLATION OF A TURNING SPACE.

7. LOCATE CURB CUT WITHIN CROSSWALK.

8. USE A 4 FT MINIMUM CURB CUT. USE A 8 FT MINIMUM CURB CUT FOR BI–DIRECTIONAL CROSSWALKS.

9. PROVIDE DIRECTIONAL WARNING SURFACE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS FOR FULL WIDTH OF CURB CUT AND 2 FT MINIMUM IN THE DIRECTION OF PEDESTRIAN TRAVEL. SEE DETECTABLE WARNING SURFACE DETAIL B FOR DIMENSIONS.

10. LOCATE DETECTABLE WARNING SURFACE SO THE OUTSIDE CORNER NEAREST THE STREET IS WITHIN 1 INCH OF THE BACK OF CURB.

11. PLACE DETECTABLE WARNING SURFACE PANELS ON A RADIUS IN A STRAIGHT LINE OR ACCORDING TO DETAIL X. TOP CORNERS OF ADJACENT PANELS TO TOUCH, BOTTOM CORNERS OF ADJACENT PANELS TO HAVE A 2 INCH MAXIMUM GAP.

12. GRIND OFF REMAINING PORTION OF ANY CUT DOMES WHEN DETECTABLE WARNING SURFACE IS CUT. SEAL ALL CUT PANEL EDGES TO PREVENT WATER DAMAGE.

13. PROVISE DETECTABLE WARNING SURFACE COLOR THAT CONTRASTS WITH ADJACENT WALKING SURFACE, GUTTER, STREET, AND PEDESTRIAN ACCESS ROUTE, EITHER LIGHT–ON–DARK OR DARK–ON–LIGHT.

14. CLEAR SPACE SIZE: USE A 4 FT MINIMUM DEPTH AND THE LARGER OF THE CURB CUT WIDTH OR A 4 FT MINIMUM WIDTH.

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
3	REV'D PER NEW A.D.A. REQUIREMENTS	JDM	TLA	3/9/04
2	REV'D DETECTABLE WARNING DETAIL	JDM	TLA	9/24/04
1				
0				

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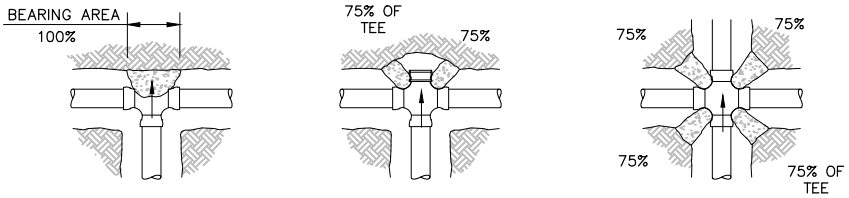
WHEELCHAIR RAMP

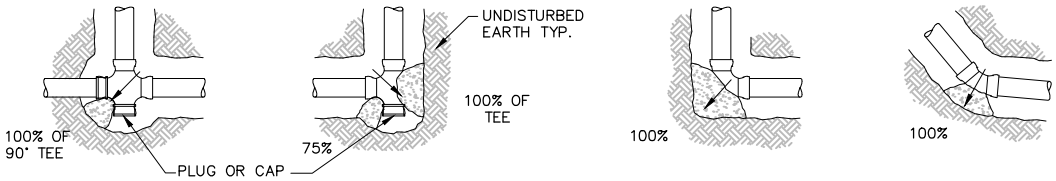
HOOPER CITY
DEVELOPMENT STANDARDS

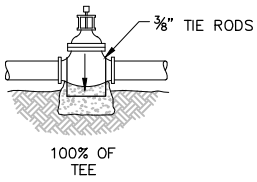
STANDARD DRAWING NUMBER: 7C

CAD DWG:	WHEELCHAIR_RAMP
PLOT SCALE:	1 = 2
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	SEP. 2004

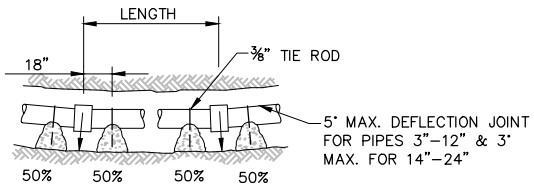


PLANS





VALVE



CURVE THRUST BLOCKING

ALL MJ AND FLANGED FITTINGS TO BE WRAPPED WITH POLYETHYLENE WRAP PRIOR TO POURING THRUST BLOCK.

DETAIL NOTES:
1. FIGURE (100%) AT THRUST BLOCK INDICATES PER CENT OF TOTAL THRUST TO BE APPLIED FOR BEARING AREA.
2. ARROW (→) INDICATES THRUST DIRECTION.
3. CONCRETE FOR THRUST BLOCKS TO BE 2000 P.S.I.

EXAMPLE:
8" 90° ELBOW, PRESSURE–200 LB. / SQ. IN.
FROM TABLE: THRUST = 94 X 200 = 18800 LB.
ASSUME BEARING STRENGTH OF SOIL = 2000 LB. / SQ. FT.
$\frac{18000}{2000}$ = 9.4 SQ. FT. = AREA OF BEARING REQUIRED FOR THRUST BLOCK.

SIDE THRUST PER 1 PSI				
PIPE SIZE	DEAD END OR TEE	90° ELBOW	45° ELBOW	22½° ELBOW
4	19	27	15	7
6	39	55	30	15
8	67	94	51	26
10	109	154	84	43
12	155	218	119	61
14	210	296	161	82
16	272	383	209	106
18	351	494	269	137
20	434	611	333	169
24	623	878	478	244
30	990	1400	757	386
36	1425	2015	1091	556

TABLE NOTES:
1. IN USING THE ABOVE TABLES, USE THE MAXIMUM INTERNAL PRESSURE ANTICIPATED (I.E. HYDROSTATIC TEST PRESSURE, POSSIBLE SURGE PRESSURE DUE TO PUMP SHUT–OFF, ETC.)
2. SEE SOILS REPORT FOR BEARING STRENGTH OF SOIL IN THE ABSENCE OF A SOILS REPORT, AND AVERAGE SOIL (SPADABLE MEDIUM CLAY) CAN BE ASSUMED TO HAVE A BEARING STRENGTH OF 2000 P.S.F.

THRUST BLOCK DETAILS

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
1				
2				
3				
4				

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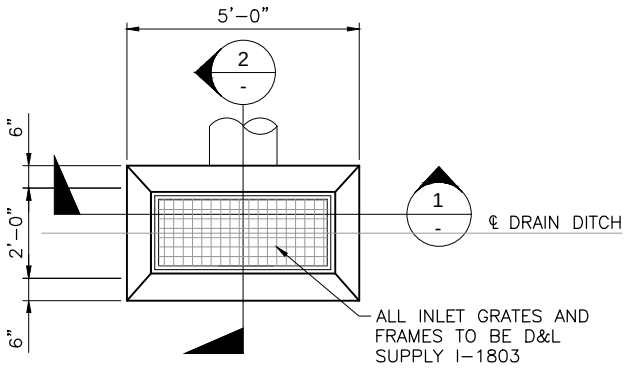
THRUST BLOCK DETAILS

HOOPER CITY
DEVELOPMENT STANDARDS

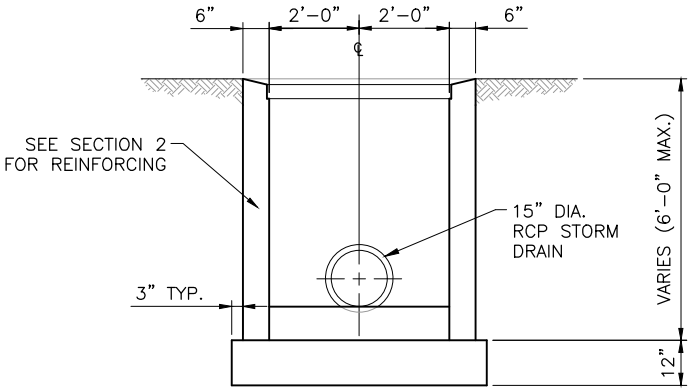
STANDARD DRAWING NUMBER: 8

CAD DWG: THRUST_BLOCK
PLOT SCALE: 1 = 96
DRAWN BY: JDM
DESIGN BY: TLA
CHECKED BY: TLA
ADOPTED DATE: NOV 2003



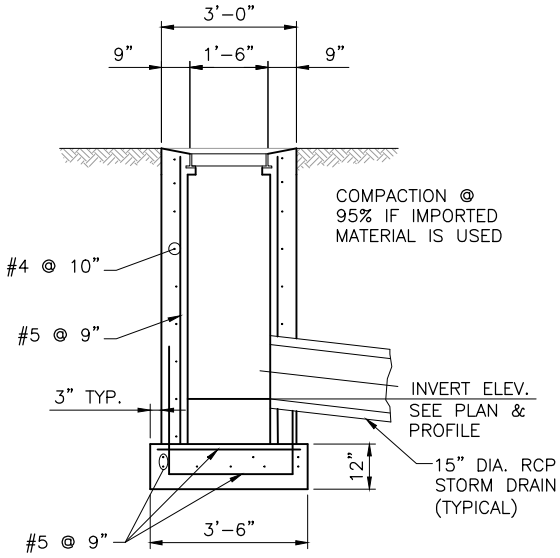
PLAN @ SINGLE CATCH BASIN

SCALE: N.T.S.



SECTION 1

SCALE: N.T.S.



SECTION 2

SCALE: N.T.S.

GENERAL NOTES:

1. ALL STRUCTURAL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGHT OF 4,000 PSI IN 28 DAYS.

2. REINFORCEMENT STEEL SHALL BE DEFORMED BARS CONFORMING IN QUALITY TO THE REQUIREMENTS OF ASTM DESIGNATION A-615, GRADE 60, INCLUDING SUPPLEMENTARY REQUIREMENTS (S1).

3. ALL DETAILING, FABRICATION AND PLACING OF REINFORCING BARS SHALL BE IN ACCORDANCE WITH THE "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" ACI-315, LATEST EDITION.

4. TOLERANCES IN PLACING REINFORCEMENT SHALL BE:

   ±⅜ INCH FOR MEMBERS WITH D < 8 INCHES
   ±½ INCH FOR MEMBERS WITH D >= 8 INCHES

5. DOWELS, PIPES, WATERSTOPS AND OTHER INSTALLED MATERIALS AND ACCESSORIES SHALL BE HELD SECURELY IN POSITION WHILE CONCRETE IS BEING PLACED.

6. UNLESS OTHERWISE SHOWN, ASIDE FROM NORMAL ACCESSORIES USED TO HOLD REINFORCING BARS FIRMLY IN POSITION, THE FOLLOWING SHALL BE ADDED:

   A) IN SLABS #5 RISER BARS AT 36 INCHES O.C. MAXIMUM TO SUPPORT TOP REINFORCING BARS.

   B) IN WALLS WITH 2 CURTAINS #3 U OR Z SHAPE SPACES AT 6 FEET O.C. EACH WAY.

7. METAL CLIPS OR SUPPORTS SHALL NOT BE PLACED IN CONTACT WITH THE FORMS OR THE SUBGRADE. CONCRETE BLOCKS (OR DOBBIES) SUPPORTING BARS ON SUBGRADE SHALL BE IN SUFFICIENT NUMBERS TO SUPPORT THE BARS WITHOUT SETTLEMENT, BUT IN NO CASE SHALL SUCH SUPPORT BE CONTINUOUS.

8. DOWELS SHALL BE WIRED OR OTHERWISE HELD IN POSITION. THEY SHALL NOT BE SHOVED INTO FRESHLY PLACED CONCRETE.

9. REINFORCED BARS AND ACCESSORIES SHALL NOT BE IN CONTACT WITH ANY PIPE, PIPE FLANGE OR METAL PARTS EMBEDDED IN CONCRETE, A MINIMUM OF 2 INCHES CLEARANCE SHALL BE PROVIDED AT ALL TIMES.

10. STRUCTURES SHALL BE BACKFILLED WITH GRANULAR SOIL.

11. ALL CONSTRUCTION JOINTS SHALL BE ROUGHED AND CLEANED AND FREE OF LAITANCE.

12. STRUCTURES HAVE BEEN DESIGNED FOR THE FOLLOWING; IF CONDITIONS ARE EXCEEDED THE ENGINEER SHALL BE NOTIFIED.

   A) AASHTO HS-20 TRUCK LOAD

   B) 1'-6" MAX. SOIL ABOVE THE ROOF OF THE STRUCTURE

   C) GROUND WATER TO TOP OF STRUCTURE

   D) "AT-REST" LATERAL SOIL PRESSURE OF 60 PCF FOR DRY SOIL CONDITIONS AND 92.4 PCF WHEN GROUND WATER IS PRESENT

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
1				
2				
3				
4				

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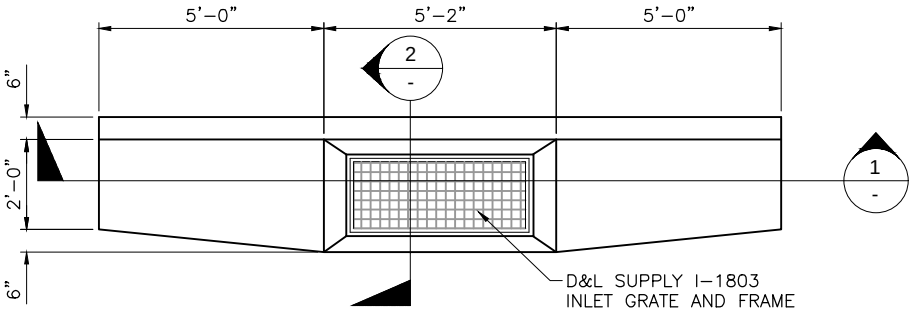
STANDARD SINGLE CATCH BASIN (NO CURB & GUTTER)

HOOPER CITY
DEVELOPMENT STANDARDS

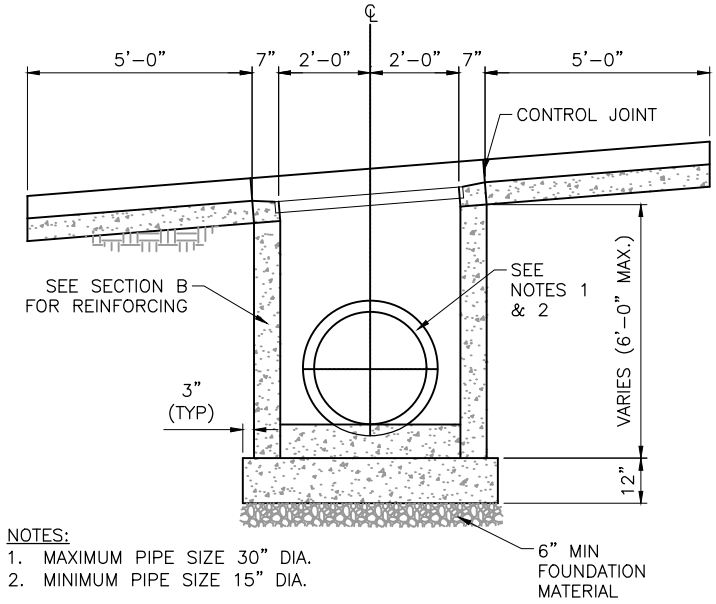
STANDARD DRAWING NUMBER: 9

CAD DWG	CATCH_BASIN_STD
PLOT SCALE:	1 = 1
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	DEC 2007



PLAN @ SINGLE CATCH BASIN

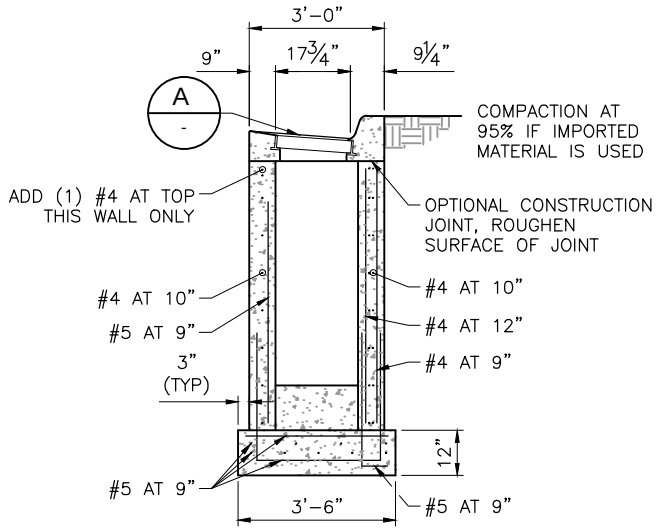
SCALE: N.T.S.



NOTES:
1. MAXIMUM PIPE SIZE 30" DIA.
2. MINIMUM PIPE SIZE 15" DIA.

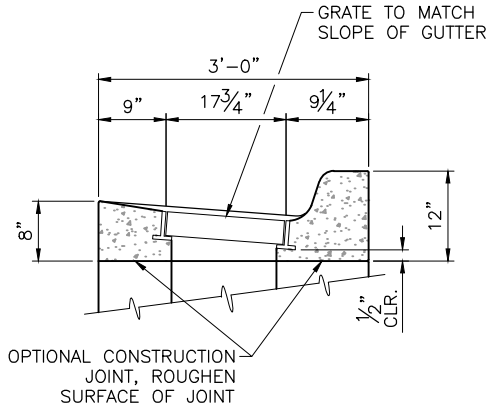
SECTION 1

SCALE: N.T.S.



SECTION 2

SCALE: N.T.S.



DETAIL A

SCALE: N.T.S.

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
1				
2				
3				
4				

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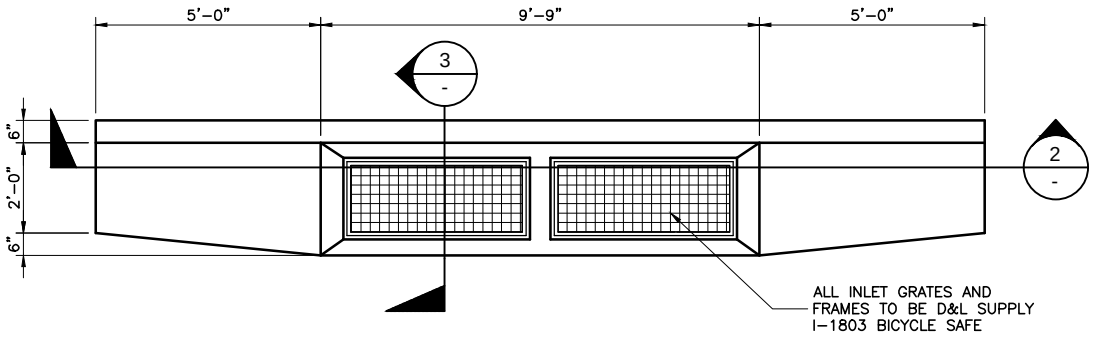
SINGLE CATCH BASIN (WITH CURB & GUTTER)

HOOPER CITY
DEVELOPMENT STANDARDS

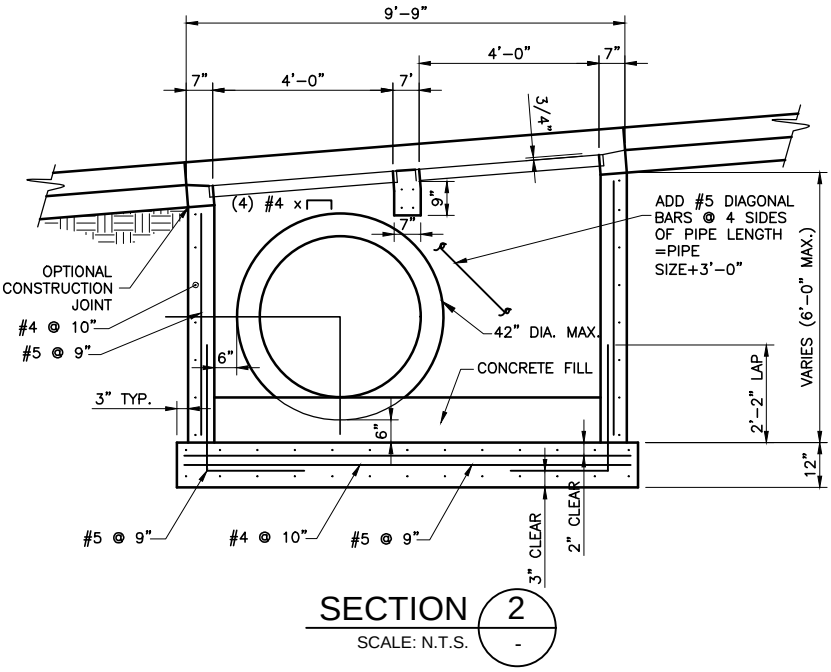
STANDARD DRAWING NUMBER: 10

CAD DWG:	CATCH_BASIN_ALT1
PLOT SCALE:	1 = 48
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	NOV 2003



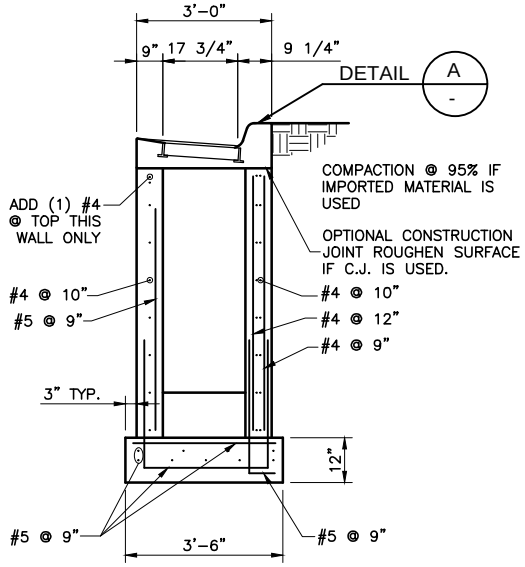
PLAN @ DOUBLE CATCH BASIN

SCALE: N.T.S.



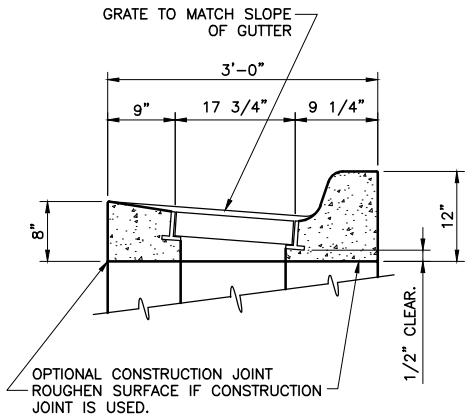
SECTION 2

SCALE: N.T.S.



SECTION 3

SCALE: N.T.S.



CURB & GUTTER

DETAIL A

SCALE: N.T.S.

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
1				
2				
3				
4				

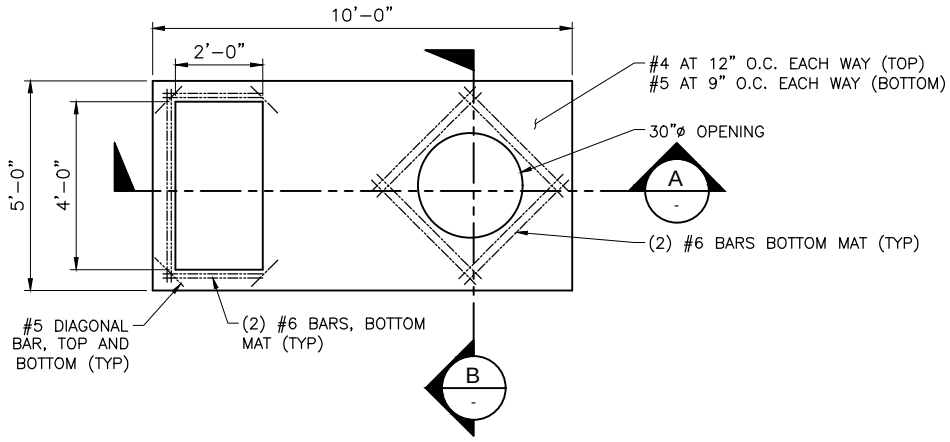
Engineers • Surveyors • Planners

DOUBLE CATCH BASIN

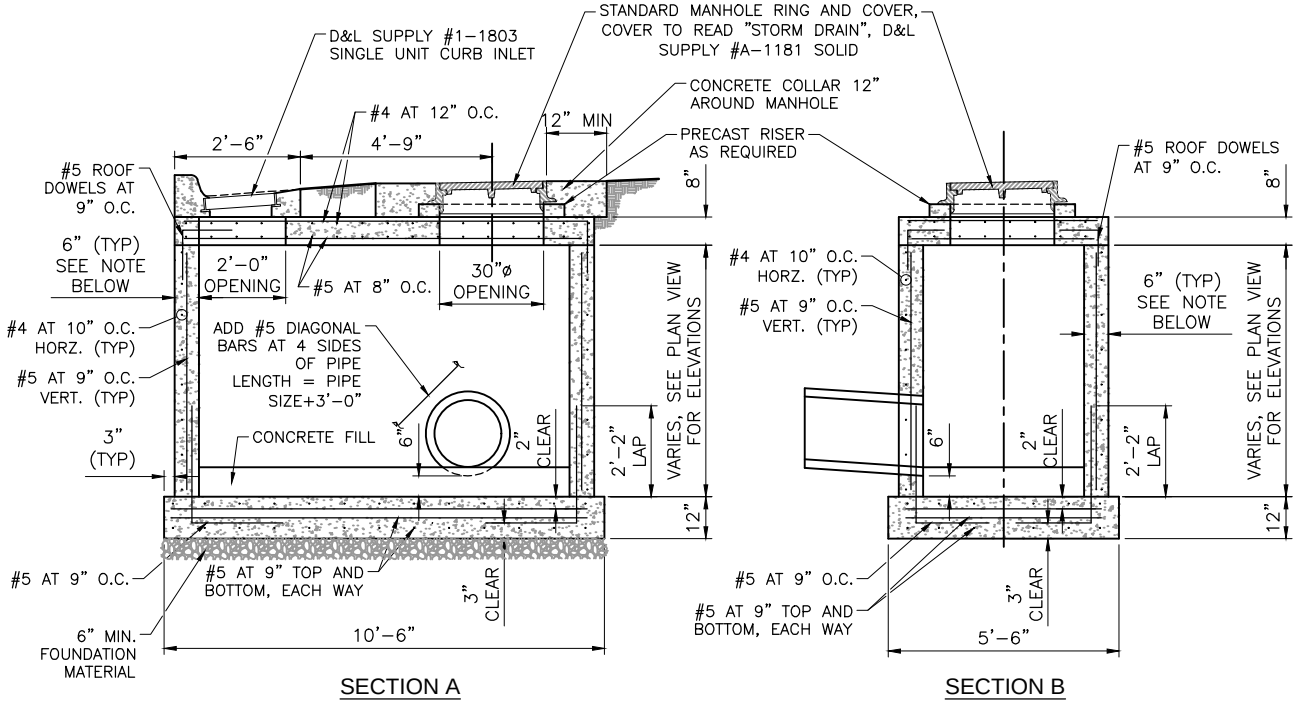
HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER: 11

CAD DWG:	CATCH_BASIN_AL'2
PLOT SCALE:	1 = 96
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	AUG 2001



PLAN



SECTION A

SECTION B

NOTE:
USE 6" THICK WALLS FOR WALL HEIGHT UP TO 5'-0". FOR WALL HEIGHT GREATER THAN 5'-0", USE 8" THICK WALLS.

1 COMBINATION INLET/CLEANOUT DETAIL
SCALE:NOT TO SCALE

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
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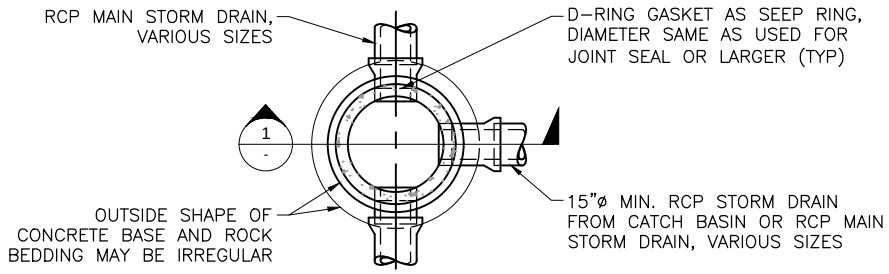
STANDARD STORM DRAIN COMBO BOX

HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER: 12

CAD DWG:	SD_CLEANOUT
PLOT SCALE:	1 = 96
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	NOV 2003

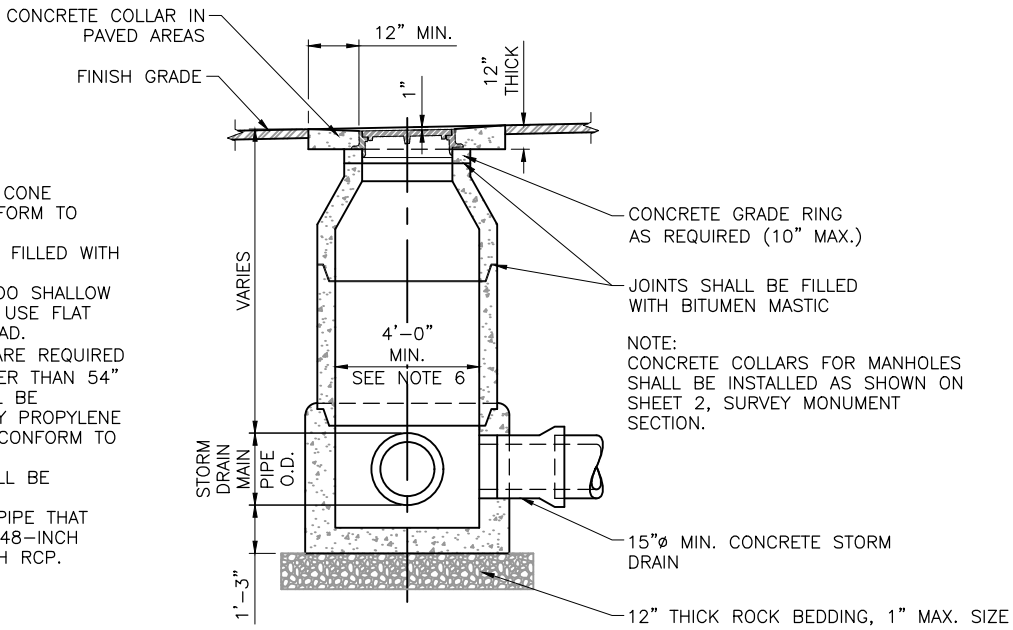


MANHOLE PLAN VIEW BELOW CONE

SCALE: N.T.S.

NOTES:

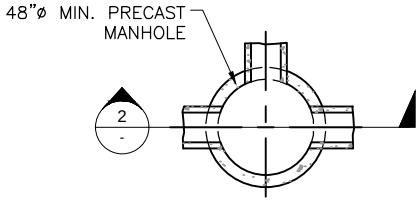
1. MANHOLE WALL AND CONE SECTION SHALL CONFORM TO ASTM C–478.
2. LIFT HOLE SHALL BE FILLED WITH GROUT.
3. IF MANHOLES ARE TOO SHALLOW FOR CONE SECTION, USE FLAT CONCRETE LID INSTEAD.
4. STEPS @ 12" O.C. ARE REQUIRED IN MANHOLES GREATER THAN 54" DEEP. STEPS SHALL BE NON–CORRISIVE POLY PROPYLENE COATED STEEL AND CONFORM TO ASTM C–478.
5. MANHOLE CONE SHALL BE ECCENTRIC.
6. THE MAXIMUM SIZE PIPE THAT CAN BE USED IN A 48–INCH MANHOLE IS 21–INCH RCP.



TYPICAL MANHOLE SECTION 1 / -

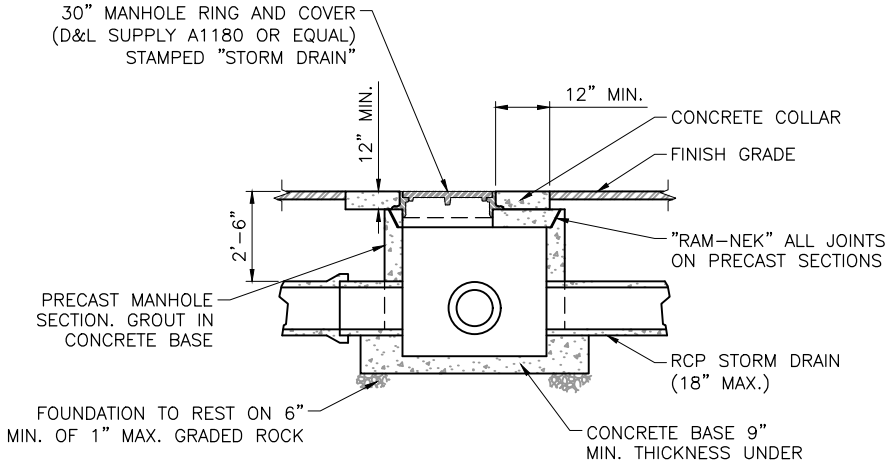
SCALE: N.T.S.

NOTE:
CONCRETE COLLARS FOR MANHOLES SHALL BE INSTALLED AS SHOWN ON SHEET 2, SURVEY MONUMENT SECTION.



FLAT LID STORM DRAIN MANHOLE PLAN

SCALE: N.T.S.



SECTION 2 / -

SCALE: N.T.S.

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
1				
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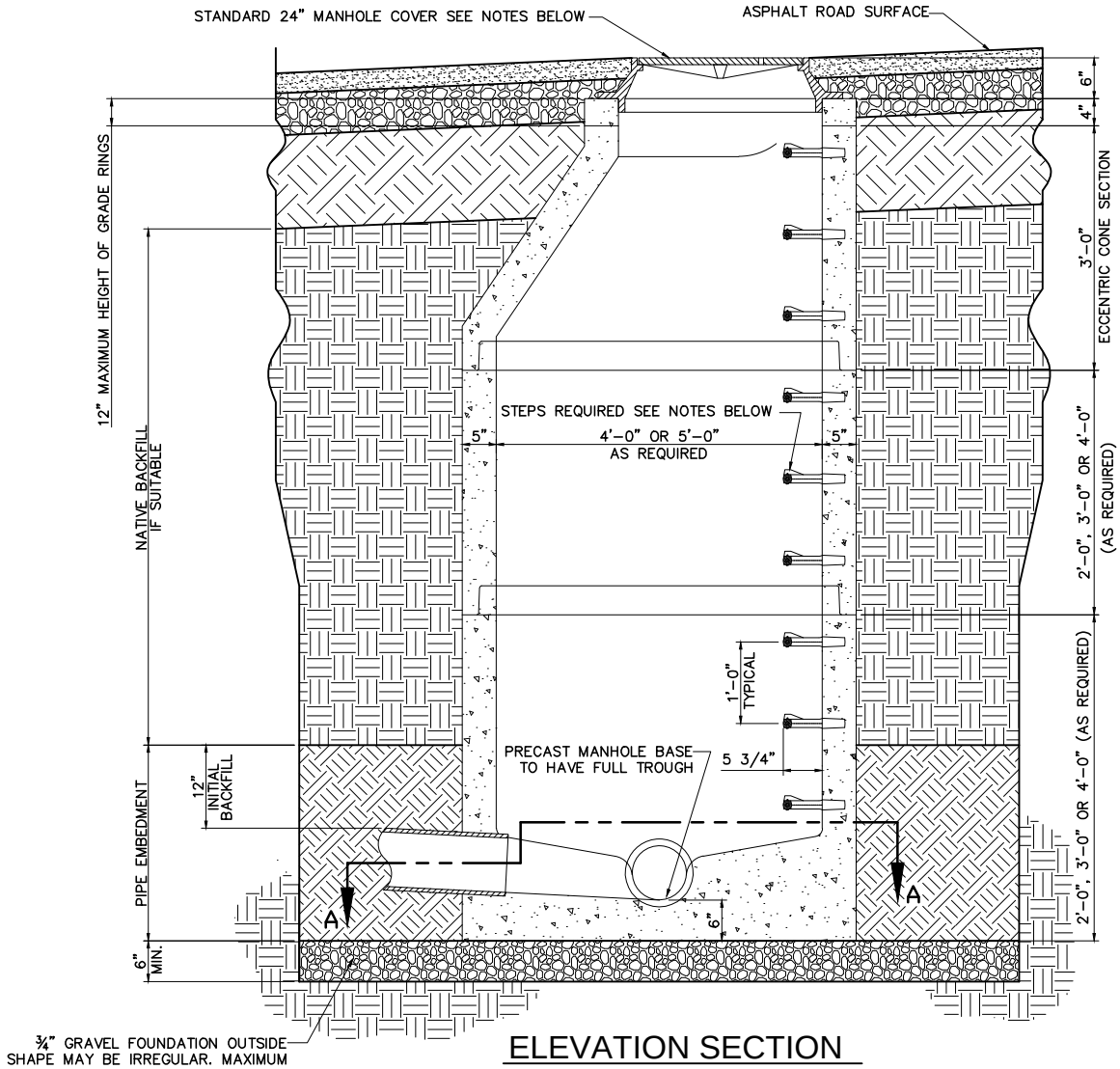
STANDARD STORM DRAIN MANHOLES

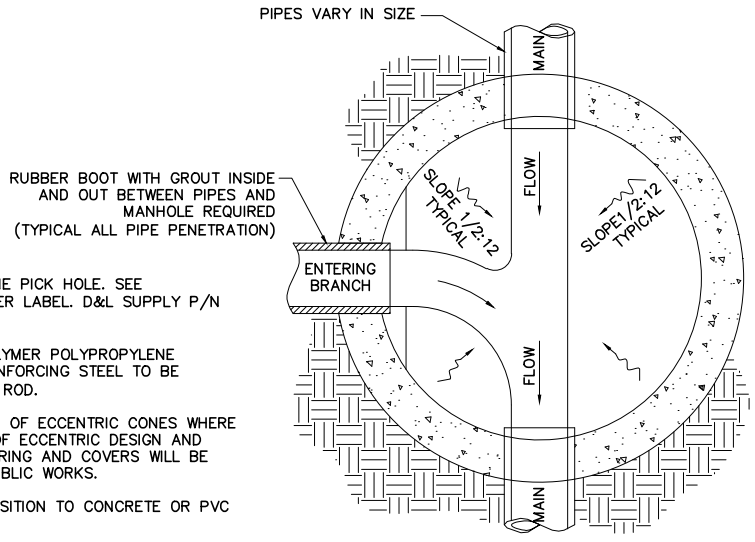
HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER: 13

CAD DWG:	SDMH
PLOT SCALE:	1 = 48
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	NOV 2003



ELEVATION SECTION



SECTION A-A

NOTES:
1. MANHOLE COVER TO CONTAIN ONE PICK HOLE. SEE SPECIFICATION DIVISION 5 FOR COVER LABEL. D&L SUPPLY P/N A-1181 (OR EQUAL).

2. STEP SHALL BE MADE OF COPOLYMER POLYPROPYLENE CONFORMING TO ASTM D-4101. REINFORCING STEEL TO BE DEFORMED ½" DIAMETER GRADE 60 ROD.

3. FLAT LIDS MAY BE USED IN LIEU OF ECCENTRIC CONES WHERE NECESSARY. FLAT LIDS SHALL BE OF ECCENTRIC DESIGN AND MEET H20 LIVE LOADING. NO FLAT RING AND COVERS WILL BE ALLOWED UNLESS APPROVED BY PUBLIC WORKS.

4. USE FERNCO COUPLING TO TRANSITION TO CONCRETE OR PVC PIPE AS APPROPRIATE.

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
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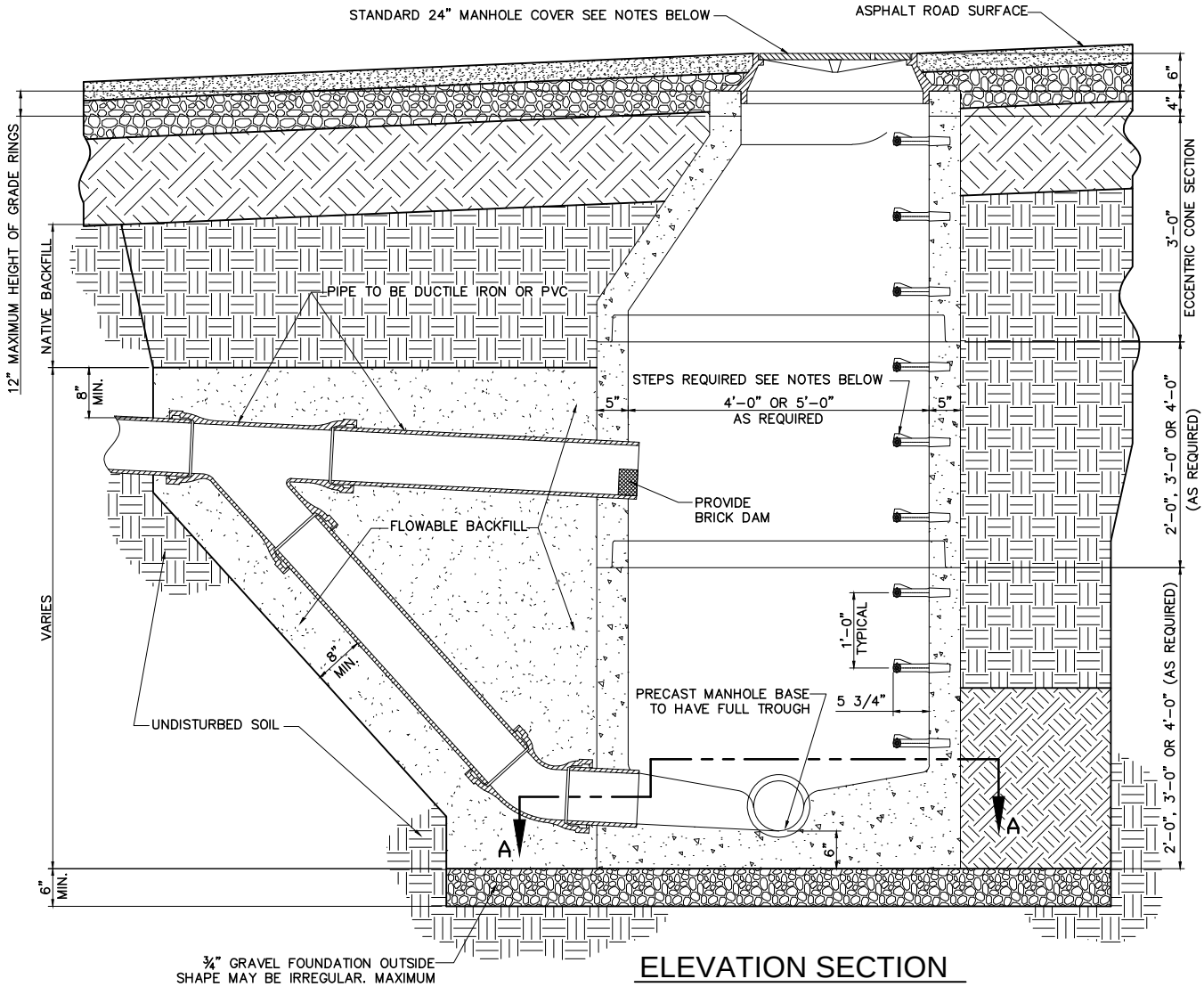
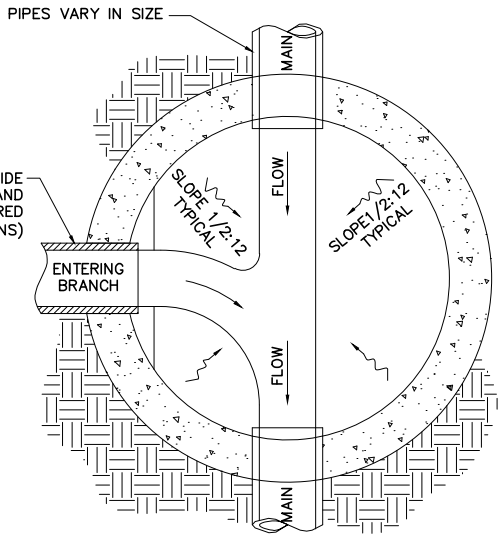
TYPICAL SEWER MANHOLE

HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER:	14A
CAD DWG:	SEWER_MH
PLOT SCALE:	1 = 1
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	NOV 2003



ELEVATION SECTION



SECTION A-A

NOTES:
1. MANHOLE COVER TO CONTAIN ONE PICK HOLE. SEE SPECIFICATION DIVISION 5 FOR COVER LABEL. D&L SUPPLY P/N A-1181 (OR EQUAL).

2. STEP SHALL BE MADE OF COPOLYMER POLYPROPYLENE CONFORMING TO ASTM D-4101. REINFORCING STEEL TO BE DEFORMED ½" DIAMETER GRADE 60 ROD.

3. FLAT LIDS MAY BE USED IN LIEU OF ECCENTRIC CONES WHERE NECESSARY. FLAT LIDS SHALL BE OF ECCENTRIC DESIGN AND MEET H20 LIVE LOADING. NO FLAT RING AND COVERS WILL BE ALLOWED UNLESS APPROVED BY PUBLIC WORKS.

4. USE FERNCO COUPLING TO TRANSITION TO CONCRETE OR PVC PIPE AS APPROPRIATE.

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
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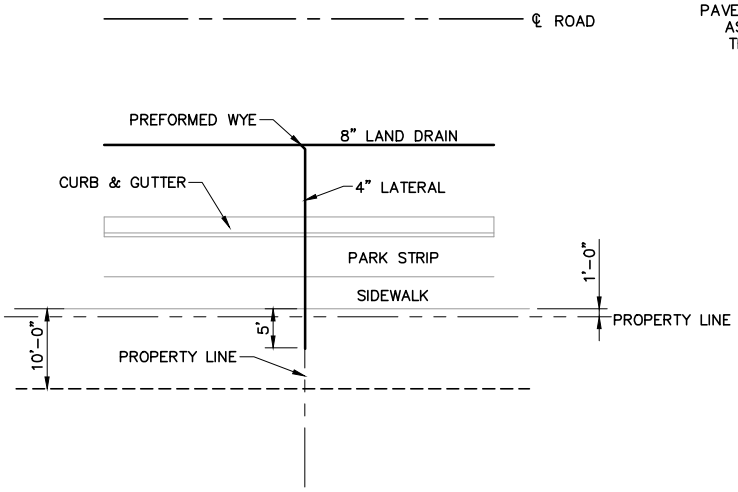
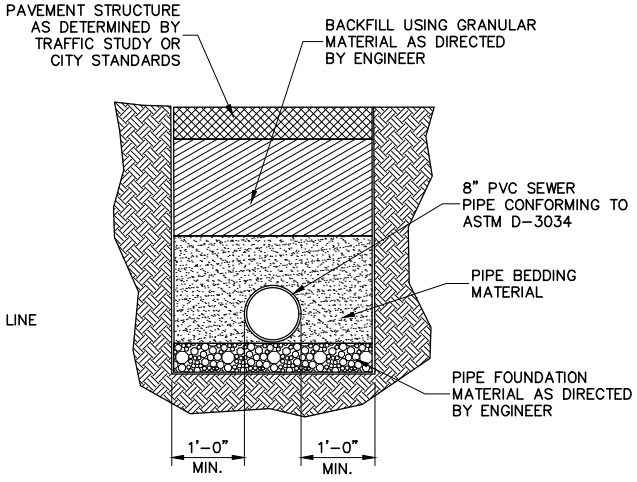
TYPICAL DROP MANHOLE

HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER: 14B

CAD DWG:	DROP_MH
PLOT SCALE:	1 = 1
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	NOV 2003





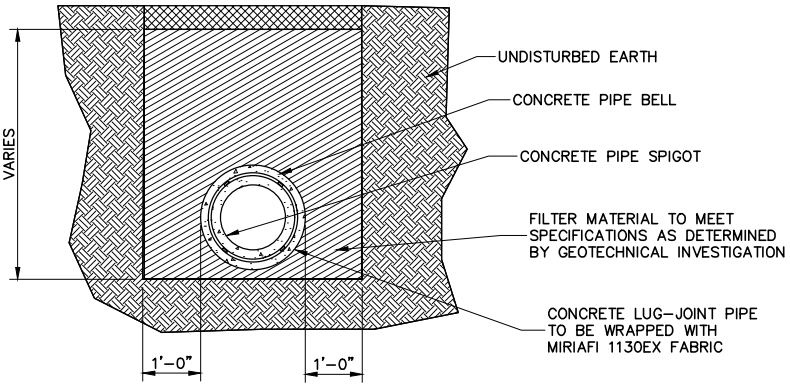
NOTES:
1. ALL CONNECTIONS SHALL BE MADE USING PREFORMED FITTINGS CONFORMING TO ASTM D-3034.
2. CONTRACTOR SHALL PROVIDE A CLEANOUT WITHIN 5'-0" OF HOUSE.
3. LAND DRAIN LATERALS TO BE WHITE PVC TO DIFFERENTIATE FROM SANITARY SEWER LATERALS. MARK END WITH 2X4, PAINTED GREEN.
4. LAND DRAIN LATERAL MUST FLOW BY GRAVITY TO THE MAIN.

TIGHT JOINT LAND DRAIN LATERAL DETAIL

SCALE: N.T.S.

BACKFILL USING GRANULAR FILTER MATERIAL TO MAXIMUM GROUNDWATER ELEVATION AS DIRECTED BY THE ENGINEER.

NOTES:
1. DEWATERING SHALL NOT ALLOW PIPING OF FINES.



OPEN JOINT LAND DRAIN LATERAL DETAIL

SCALE: N.T.S. ONLY WHEN APPROVED BY CITY PUBLIC WORKS

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
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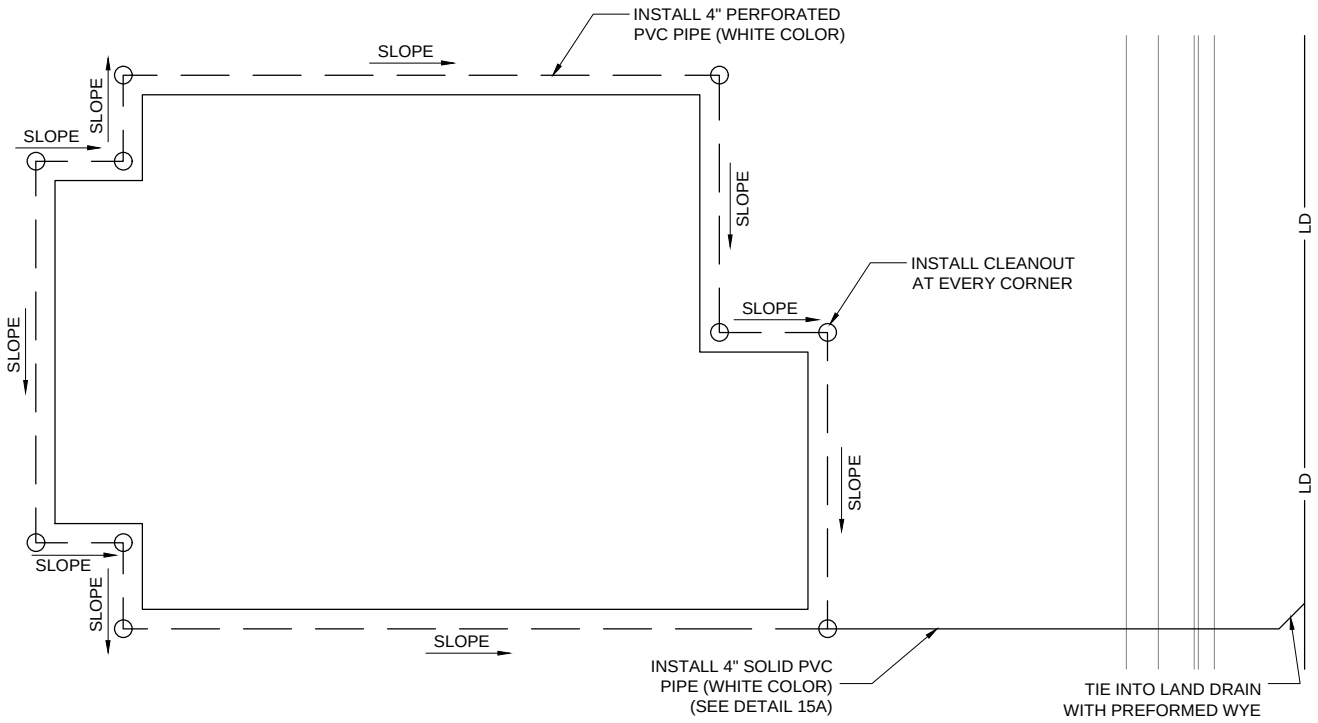
LAND DRAIN DETAILS

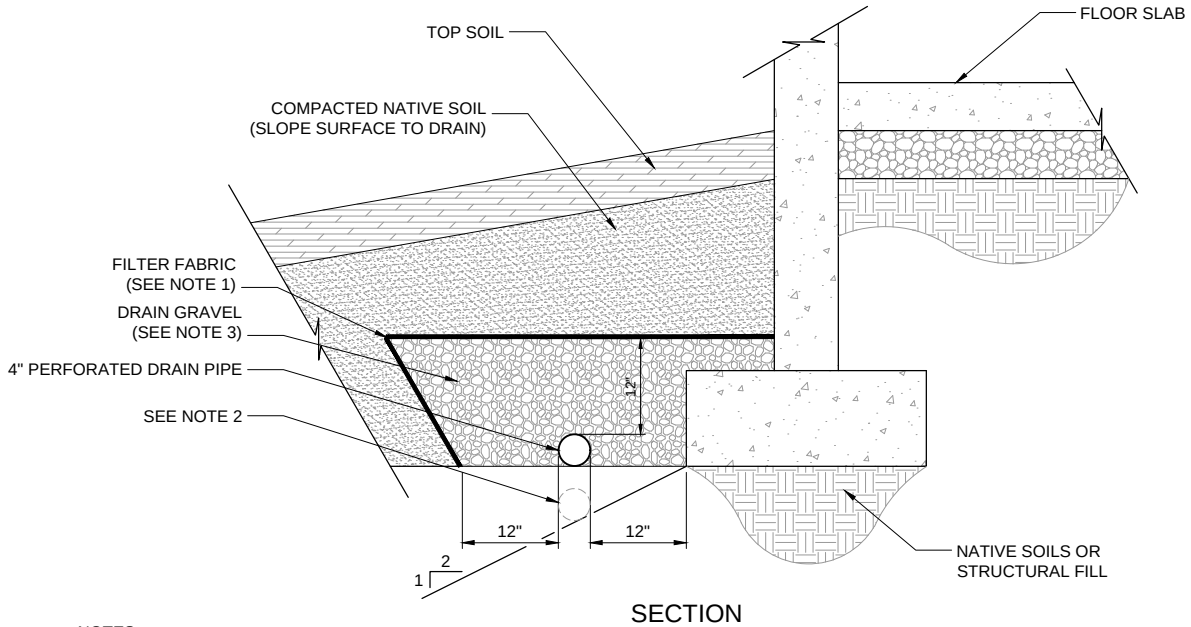
HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER: 15A

CAD DWG:	LAND_DRAIN
PLOT SCALE:	1 = 96
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	NOV 2003



PLAN



SECTION

NOTES:

1. FILTER FABRIC IS NON-WOVEN GEOTEXTILE (MIRAFI 140N, OR EQUIVALENT).
2. LAY PERFORATED DRAIN PIPE ON MINIMUM 0.5% GRADIENT, WIDENING EXCAVATION AS REQUIRED. MAINTAIN PIPE ABOVE 2:1 SLOPE AS SHOWN.
3. DRAIN GRAVEL TO BE CLEAN, WASHED, 3/4" TO 1 1/2" GRAVEL.
4. PROVIDE SOLID DRAIN PIPE BEYOND BUILDING PERIMETER TO TIE TO LAND DRAIN SYSTEM.
5. LAND DRAIN LATERALS SHALL BE "WHITE" PVC PIPE.

FOOTING DRAIN

NOT TO SCALE

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
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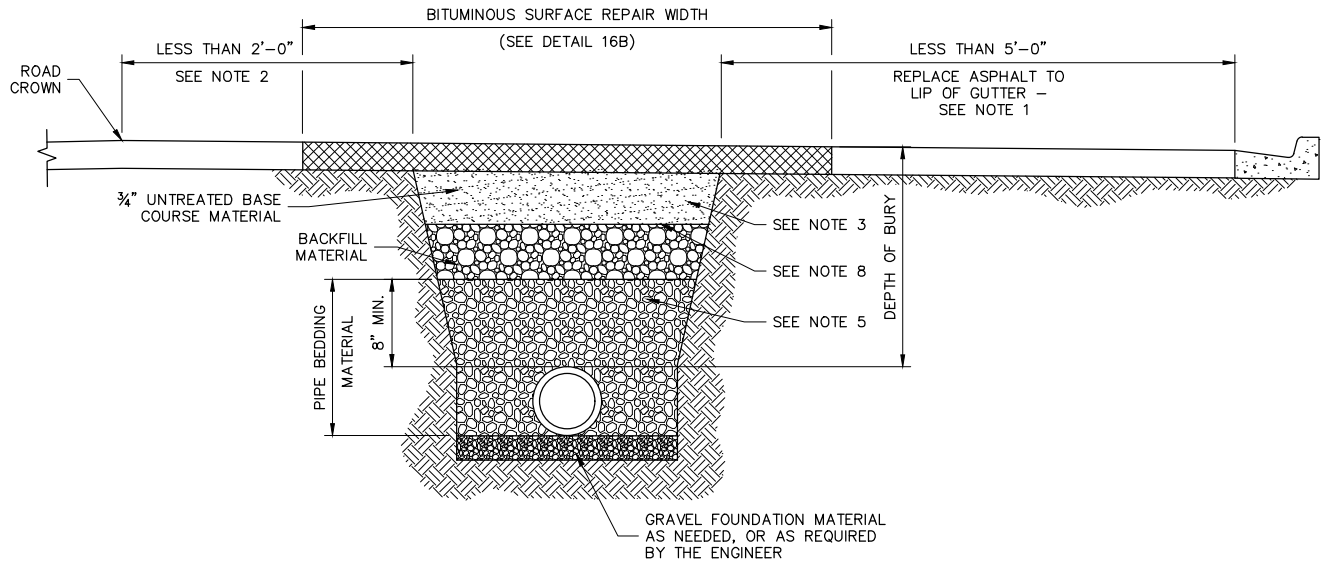
FOOTING DRAIN

HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER: 15B

CAD DWG:	FOOTING_DRAIN
PLOT SCALE:	1 = 96
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	NOV 2003



NOTES:

1. WHERE NO CURB & GUTTER EXISTS AND THE EDGE OF THE TRENCH IS LESS THAN 5'–0" FROM THE EXISTING EDGE OF ASPHALT, REPLACE ENTIRE SECTION OF PAVEMENT FROM EDGE OF TRENCH TO EXISTING EDGE OF ASPHALT.
2. WHERE THE EDGE OF THE TRENCH IS LESS THAN 2'–0" FROM THE EXISTING CROWN OF THE ROAD, SAW CUT AT EXISTING CROWN AND REPLACE AFFECTED LANE FULL DEPTH.
3. SAW CUT BITUMINOUS ASPHALT SURFACE WIDER THAN TRENCH ON EACH SIDE FOR FINAL TRENCH REPAIR WHERE BITUMINOUS SURFACE EXISTS. (DETAIL 16B).
4. BITUMINOUS SURFACE IS TO BE 6" OR TO MATCH EXISTING THICKNESS, WHICHEVER IS GREATER FOR STATE ROADS & 3" OR MATCH EXISTING THICKNESS, WHICHEVER IS GREATER FOR OTHER ROADS.
5. FOR TRENCH REPAIR, 3/4" UNTREATED BASE COURSE MATERIAL IS TO BE 12" OR TO MATCH EXISTING THICKNESS, WHICHEVER IS GREATER. FOR NEW ROAD CONSTRUCTION, 3/4" UNTREATED BASE COURSE MATERIAL IS TO BE 10" MIN. OR AS DIRECTED BY THE ENGINEER. BASE COURSE TO BE COMPACTED TO 96% ASTM D–1557.
6. SLOPE TRENCH SIDES TO MEET OSHA SAFETY REGULATIONS. (LATEST REV.)
7. BACKFILL TO BE COMPACTED TO 96% ASTM D–1557.
8. USE GEOTEXTILE FABRIC TO MATCH EXISTING OR WHERE REQUIRED.

BITUMINOUS SURFACE REPAIR* & TYPICAL TRENCH SECTION

SCALE: N.T.S.

* NOTE: EXISTING BITUMINOUS SURFACE COURSE NEWER THAN ROAD CUT MORATORIUM PLUS FIVE YEARS

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
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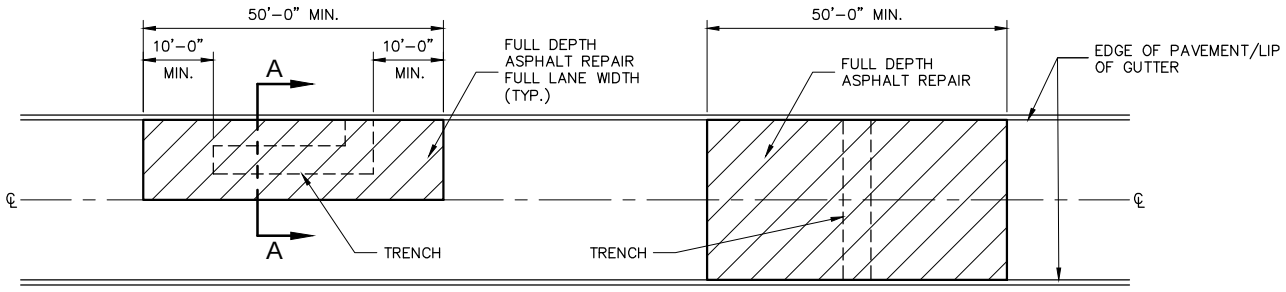
BITUMINOUS SURFACE REPAIR & TYPICAL TRENCH SECTION

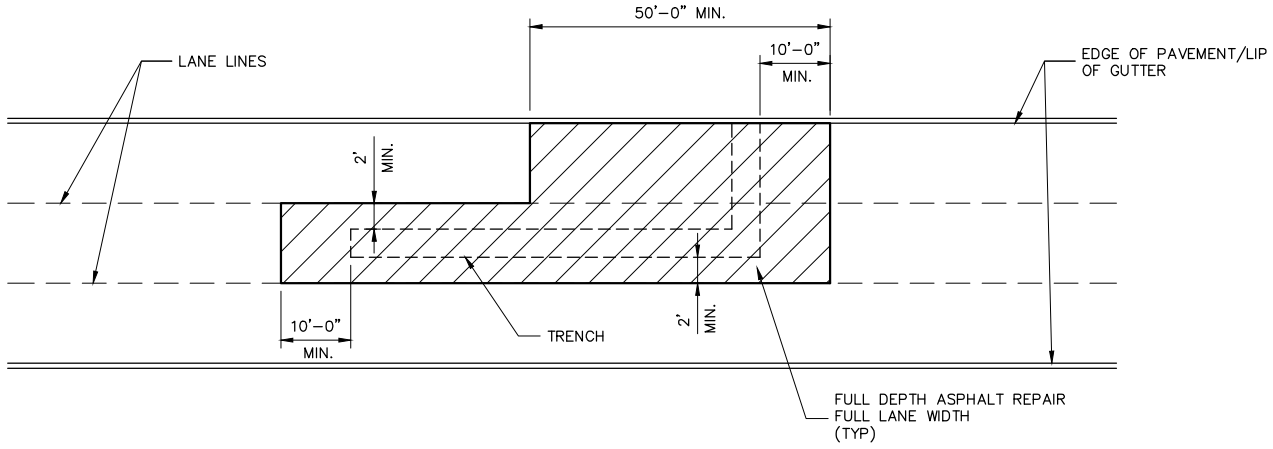
HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER: 16A

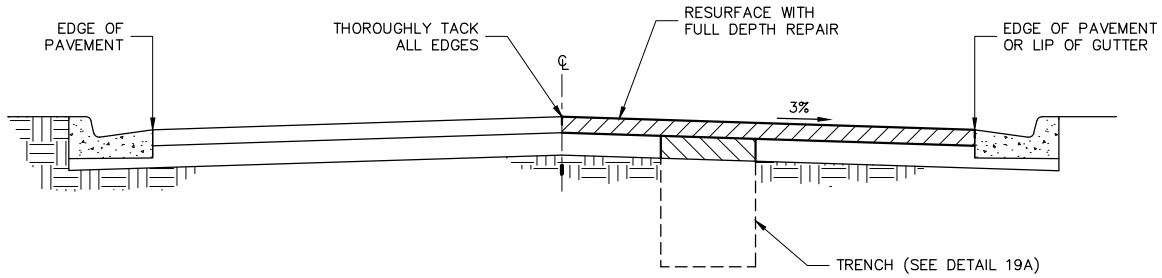
CAD DWG:	TRENCH_SEC
PLOT SCALE:	1 = 96
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	NOV 2010



PLAN VIEW



PLAN VIEW



SECTION A-A

NOTES:

1. THIS STANDARD APPLIES TO ALL ROAD CUTS ON PAVEMENT NEWER THAN ROAD CUT MORATORIUM PLUS 5 YEARS.
2. ADJUST ALL VALVE BOXES, MANHOLE RINGS AND COVERS, AND SURVEY MONUMENTS TO FINISH GRADE AND ADD CONCRETE COLLAR PER CITY STANDARDS.
3. FOR MULTIPLE TRENCHES, PROVIDE CONTINUOUS FULL DEPTH REPAIR FROM THE FIRST TRENCH TO THE CAST TRENCH.

BITUMINOUS SURFACE REPAIR

SCALE: N.T.S.

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
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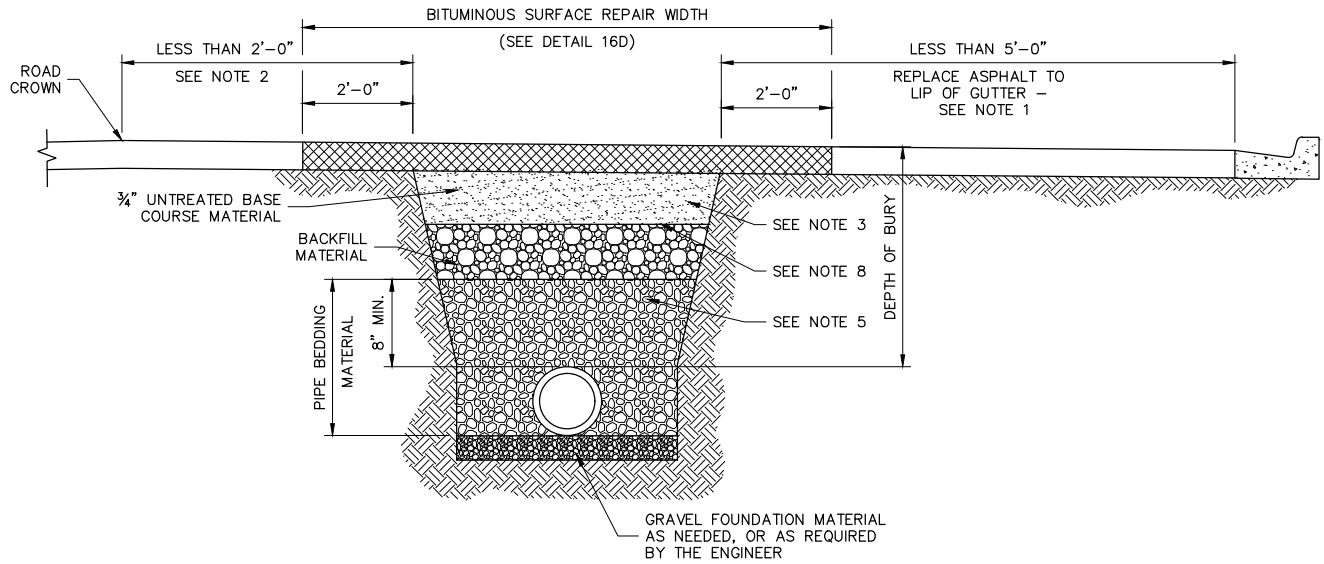
BITUMINOUS SURFACE REPAIR
PLAN AND SECTION VIEWS

HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER: 16B

CAD DWG:	TRENCH_SEC
PLOT SCALE:	1 = 96
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	NOV 2010



NOTES:

1. WHERE NO CURB & GUTTER EXISTS AND THE EDGE OF THE TRENCH IS LESS THAN 5'–0" FROM THE EXISTING EDGE OF ASPHALT, REPLACE ENTIRE SECTION OF PAVEMENT FROM EDGE OF TRENCH TO EXISTING EDGE OF ASPHALT.
2. WHERE THE EDGE OF THE TRENCH IS LESS THAN 2'–0" FROM THE EXISTING CROWN OF THE ROAD, SAW CUT AT EXISTING CROWN AND REPLACE AFFECTED LANE FULL DEPTH.
3. SAW CUT BITUMINOUS ASPHALT SURFACE WIDER THAN TRENCH ON EACH SIDE FOR FINAL TRENCH REPAIR WHERE BITUMINOUS SURFACE EXISTS. (DETAIL 16D).
4. BITUMINOUS SURFACE IS TO BE 6" OR TO MATCH EXISTING THICKNESS, WHICHEVER IS GREATER FOR STATE ROADS & 3" OR MATCH EXISTING THICKNESS, WHICHEVER IS GREATER FOR OTHER ROADS.
5. FOR TRENCH REPAIR, 3/4" UNTREATED BASE COURSE MATERIAL IS TO BE 12" OR TO MATCH EXISTING THICKNESS, WHICHEVER IS GREATER. FOR NEW ROAD CONSTRUCTION, 3/4" UNTREATED BASE COURSE MATERIAL IS TO BE 10" MIN. OR AS DIRECTED BY THE ENGINEER. BASE COURSE TO BE COMPACTED TO 96% ASTM D–1557.
6. SLOPE TRENCH SIDES TO MEET OSHA SAFETY REGULATIONS. (LATEST REV.)
7. BACKFILL TO BE COMPACTED TO 96% ASTM D–1557.
8. USE GEOTEXTILE FABRIC TO MATCH EXISTING OR WHERE REQUIRED.

BITUMINOUS SURFACE REPAIR* & TYPICAL TRENCH SECTION

SCALE: N.T.S.

* NOTE: EXISTING BITUMINOUS SURFACE COURSE OLDER THAN ROAD CUT MORATORIUM PLUS FIVE YEARS

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
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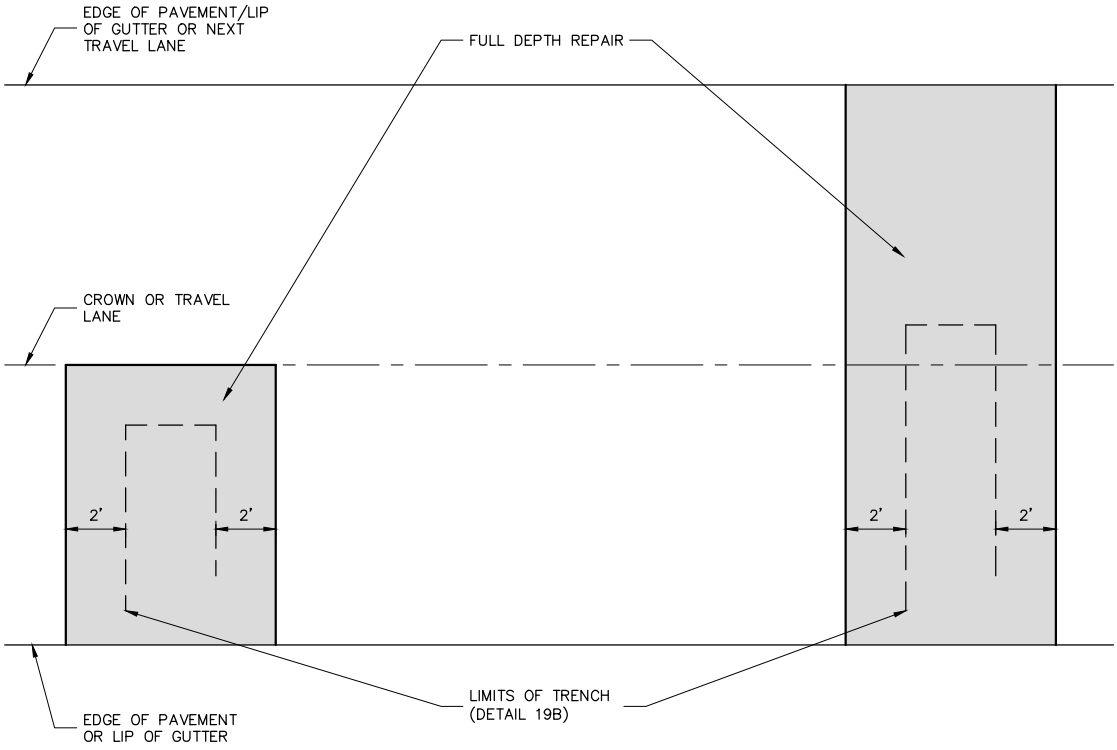
BITUMINOUS SURFACE REPAIR & TYPICAL TRENCH SECTION

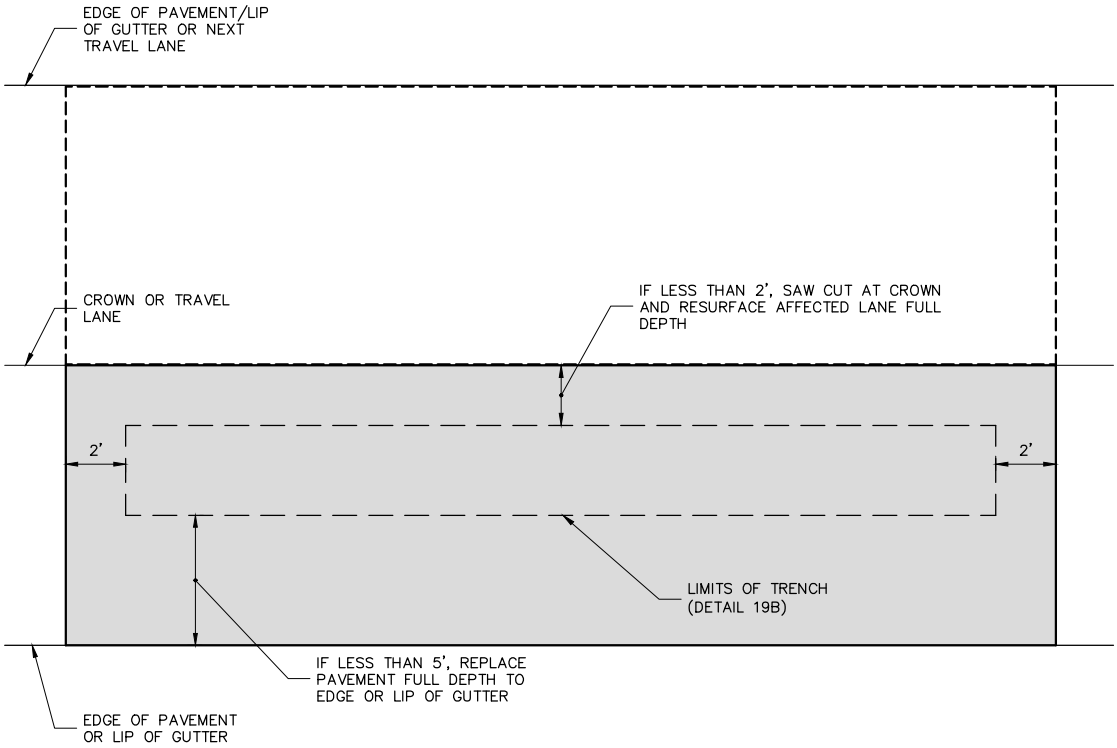
HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER: 16C

CAD DWG:	TRENCH_SEC
PLOT SCALE:	1 = 96
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	NOV 2010



LATERAL (PERPENDICULAR) CUTS



LONGITUDINAL (PARALLEL) CUTS

BITUMINOUS SURFACE REPAIR PLAN VIEWS

SCALE: N.T.S.

REVISION

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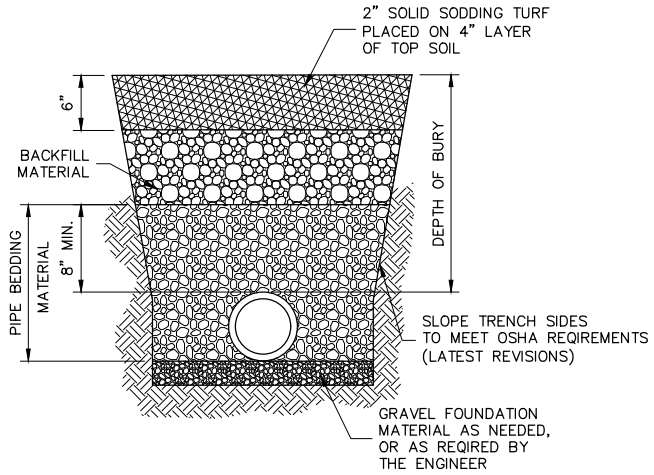
BITUMINOUS SURFACE REPAIR PLAN VIEWS

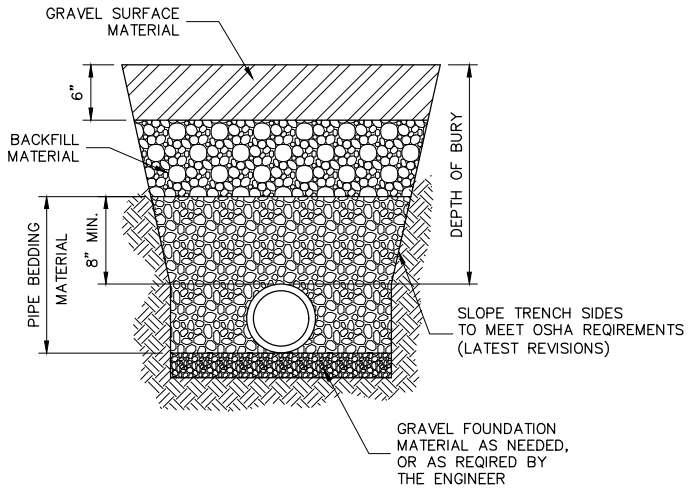
HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER: 16D

CAD DWG:	TRENCH_SEC
PLOT SCALE:	1 = 96
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	NOV 2010



TURF SURFACE TRENCH SECTION



GRAVEL SURFACE TRENCH SECTION

NOTES:
1. SLOPE TRENCH SIDES TO MEET OSHA SAFETY REGULATIONS. (LATEST REV.)
2. BACKFILL TO BE COMPACTED TO 96% ASTM D-1557 IN ROADWAYS AND 90% IN LANDSCAPED AREAS.

NON-BITUMINOUS SURFACE REPAIR - TYPICAL TRENCH SECTIONS

SCALE: N.T.S.

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
1				
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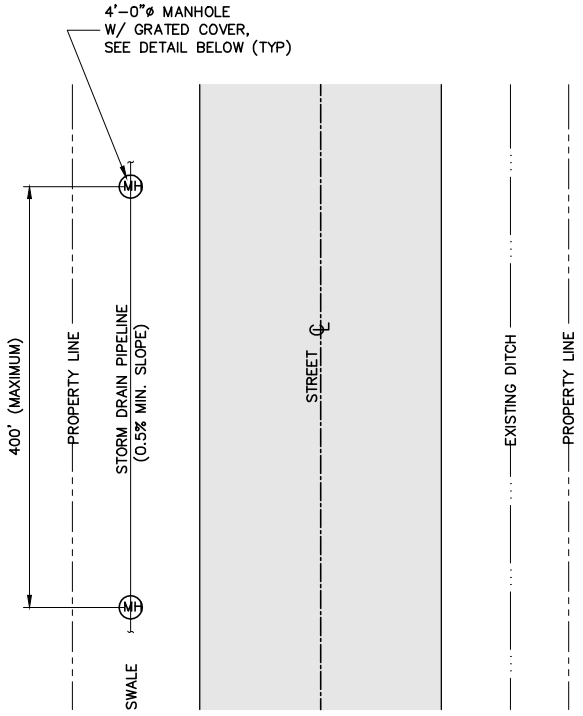
NON-BITUMINOUS SURFACE REPAIR & TYPICAL TRENCH SECTIONS

HOOPER CITY
DEVELOPMENT STANDARDS

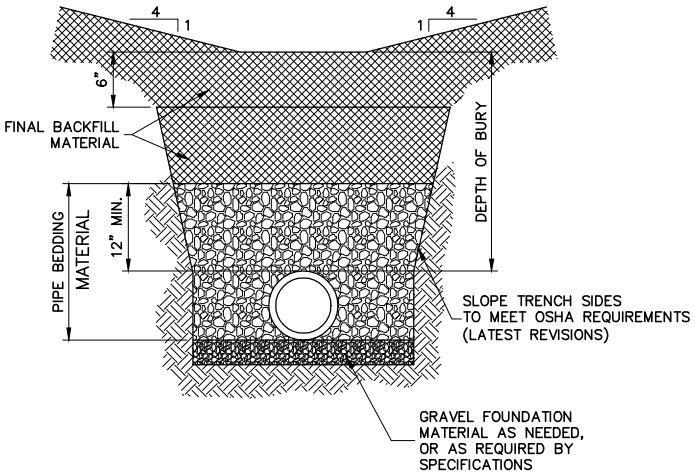
STANDARD DRAWING NUMBER: 16E

CAD DWG:	TRENCH_SEC
PLOT SCALE:	1 = 96
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	NOV 2010



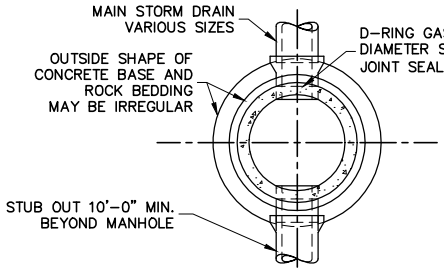
PLAN VIEW

SCALE: N.T.S.

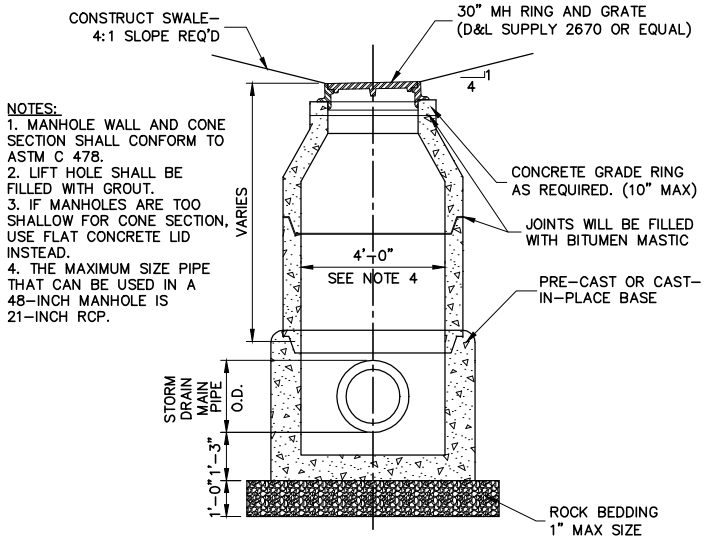


TYPICAL TRENCH DETAIL

SCALE: N.T.S.



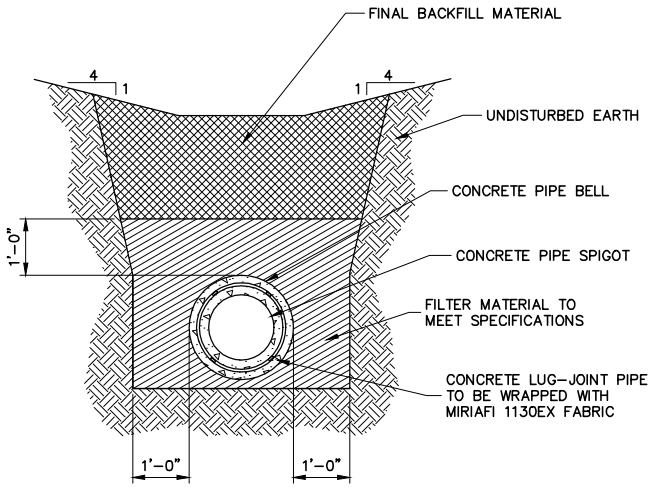
PLAN VIEW



TYPICAL MANHOLE SECTION

SCALE: N.T.S.

NOTES:
1. DEWATERING SHALL NOT ALLOW PIPING OF FINES.



ALTERNATE TRENCH DETAIL-OPEN JOINT

ONLY WHEN APPROVED BY CITY PUBLIC WORKS SCALE: N.T.S.

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
1				
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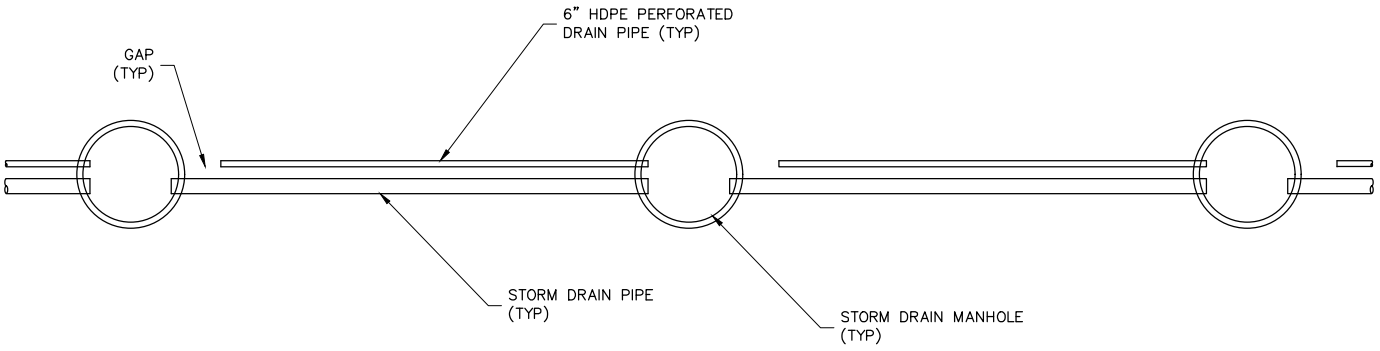
PIPED DRAIN DITCHES WITHIN CITY RIGHTS-OF-WAY

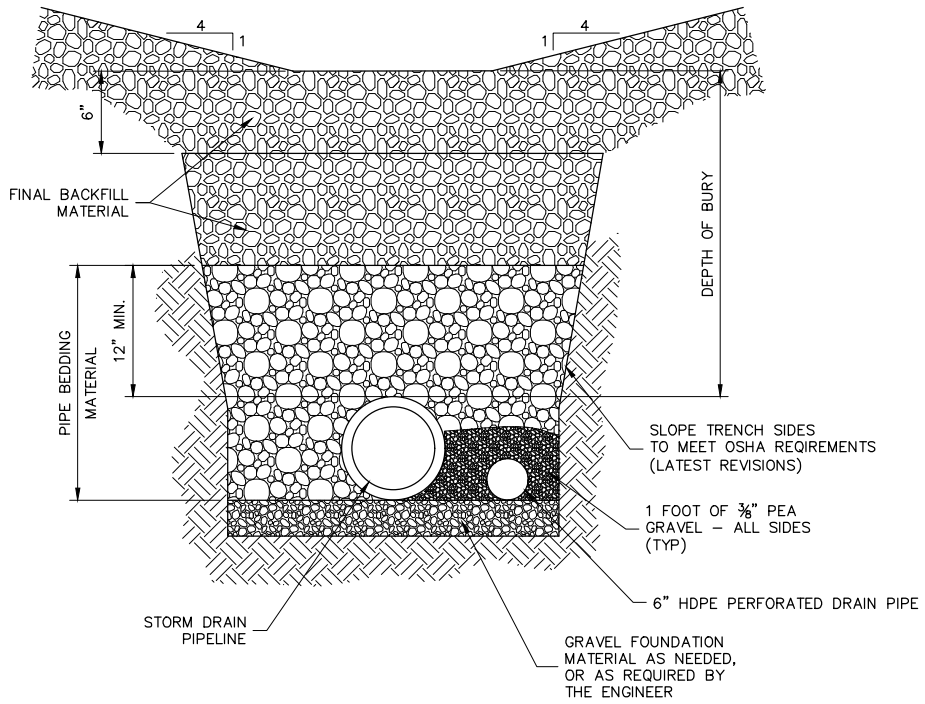
(NO CURB & GUTTER)

HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER:	17A
CAD DWG:	PIPED_DITCHES_1
PLOT SCALE:	1 = 1
DRAWN BY:	ASC
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	NOV 2003



TYPICAL PLAN VIEW



STORM DRAIN PIPING WITH ADJACENT DRAIN PIPE

SCALE: N.T.S.

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
1				
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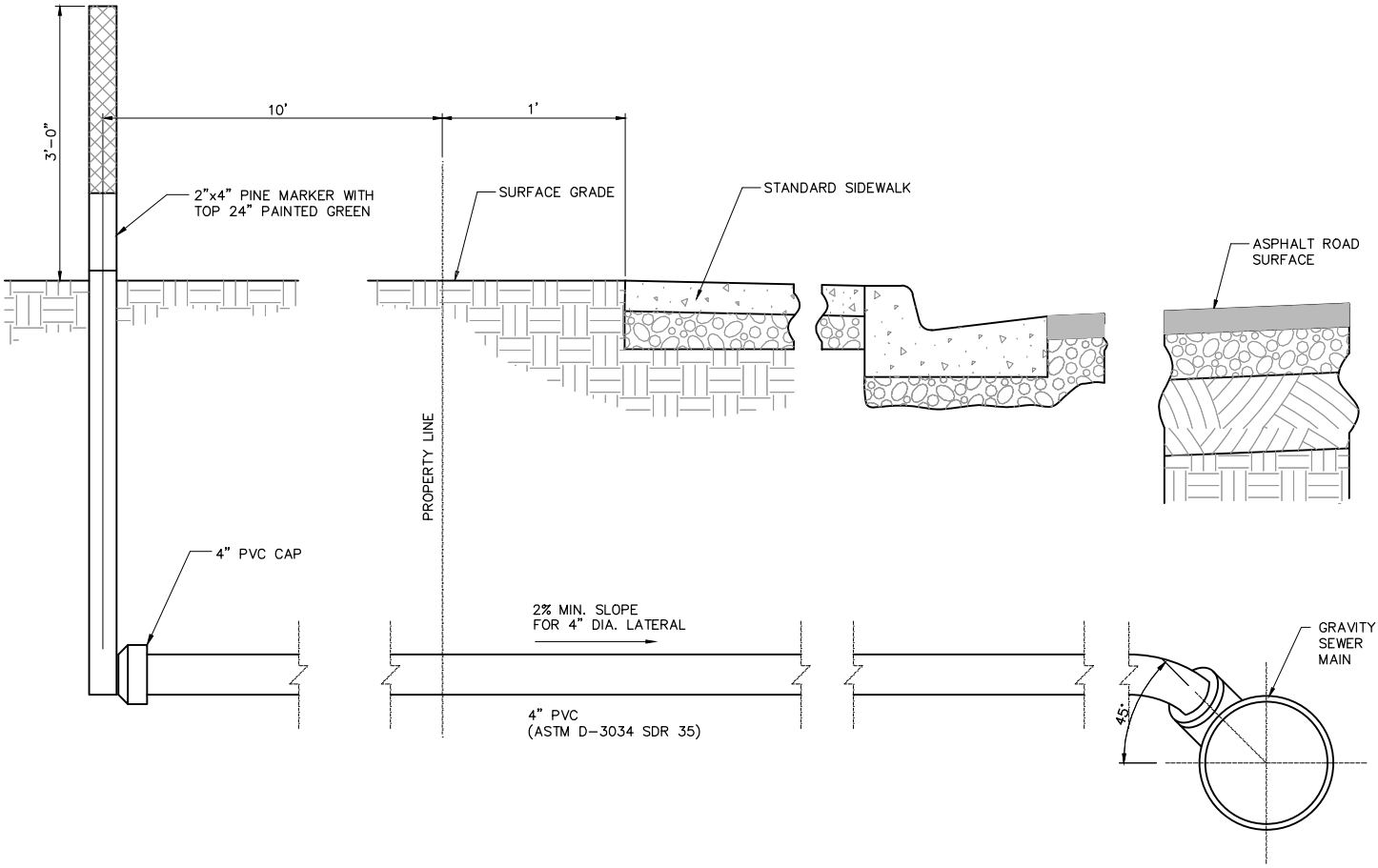
STORM DRAIN PIPING WITH ADJACENT DRAIN PIPE

HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER: 17B

CAD DWG:	PIPE_DITCHES_2
PLOT SCALE:	1 = 96
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	JAN 2020



STUB FOR NEW CONSTRUCTION

NOTES FOR CONNECTING TO NEW SEWER MAIN:

1. CONNECTION TO MAIN SHALL BE BY WYE'S OR TEE'S INSTALLED AS PART OF THE SEWER MAIN CONSTRUCTION.
2. HOOPER CITY MAINTAINS THE SEWER LATERAL FROM THE SEWER MAIN TO THE STREET RIGHT-OF-WAY LINE. THE PROPERTY OWNER MAINTAINS THE SEWER LATERAL FROM THE BUILDING TO THE STREET RIGHT-OF-WAY LINE. A PLUGGED LATERAL IS THE PROPERTY OWNERS RESPONSIBILITY FROM THE BUILDING TO THE SEWER MAIN.

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
1				
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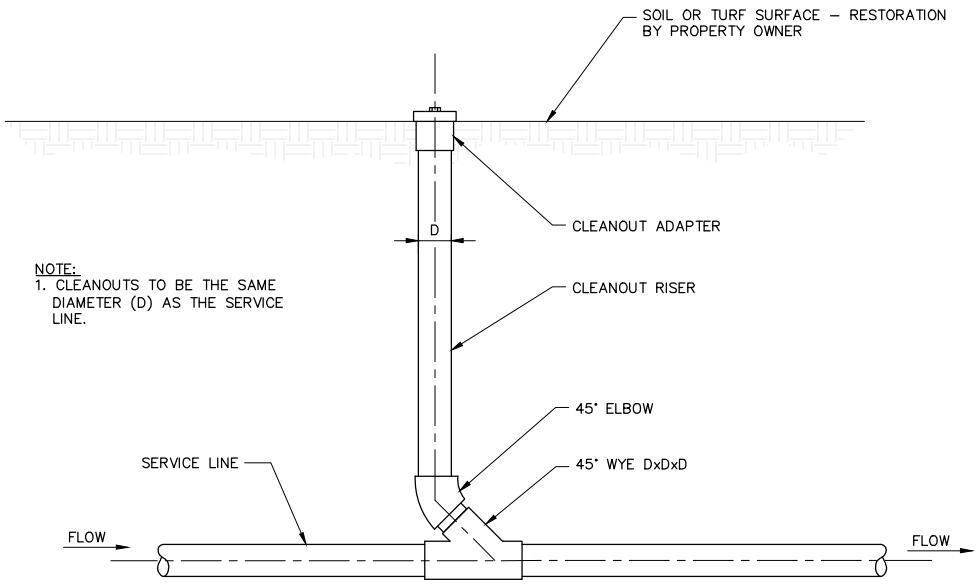
TYPICAL SEWER LATERAL NEW CONSTRUCTION - (NON VACUUM)

HOOPER CITY
DEVELOPMENT STANDARDS

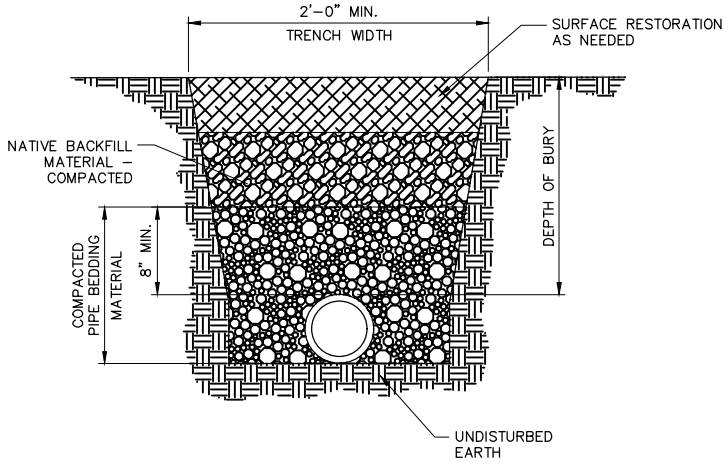
STANDARD DRAWING NUMBER:	18A
CAD DWG:	SEW_LAT_GRAV
PLOT SCALE:	1 = 1
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	NOV 2005



ELEVATION VIEW

TYPICAL GRAVITY SEWER CLEANOUT DETAIL

SCALE: N.T.S.



TYPICAL GRAVITY SEWER TRENCH SECTION

SCALE: N.T.S.

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
1				
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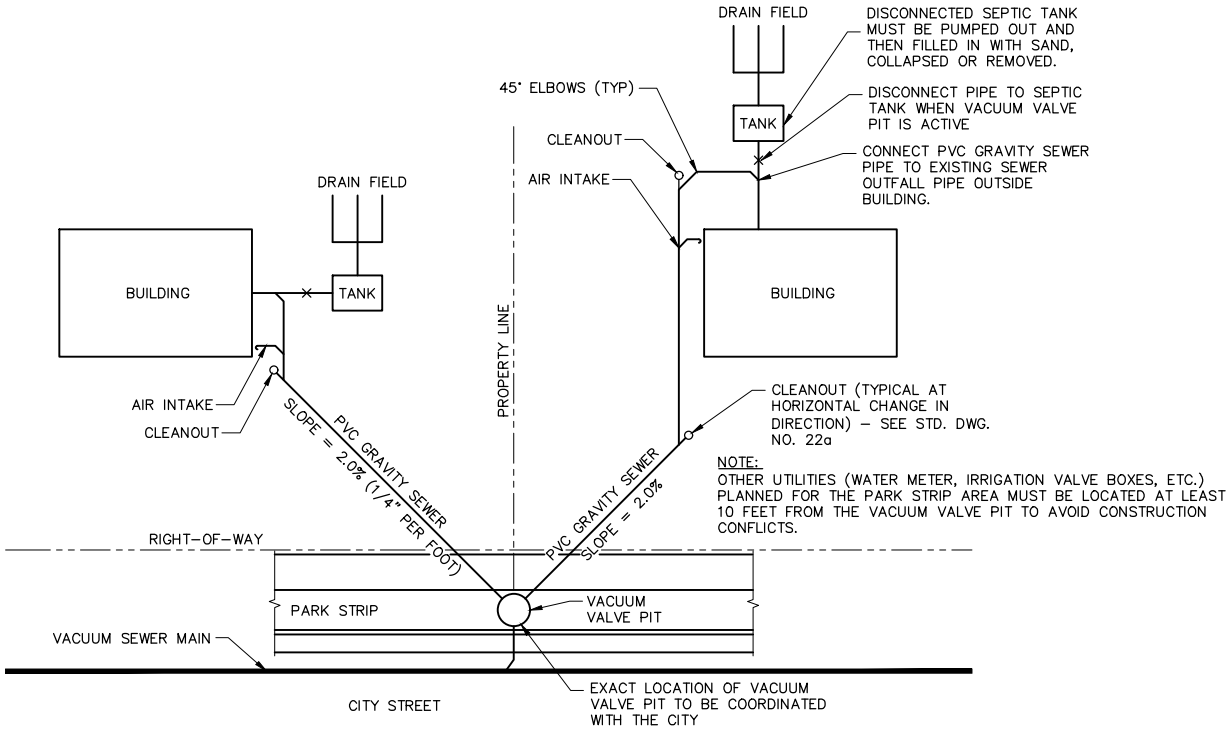
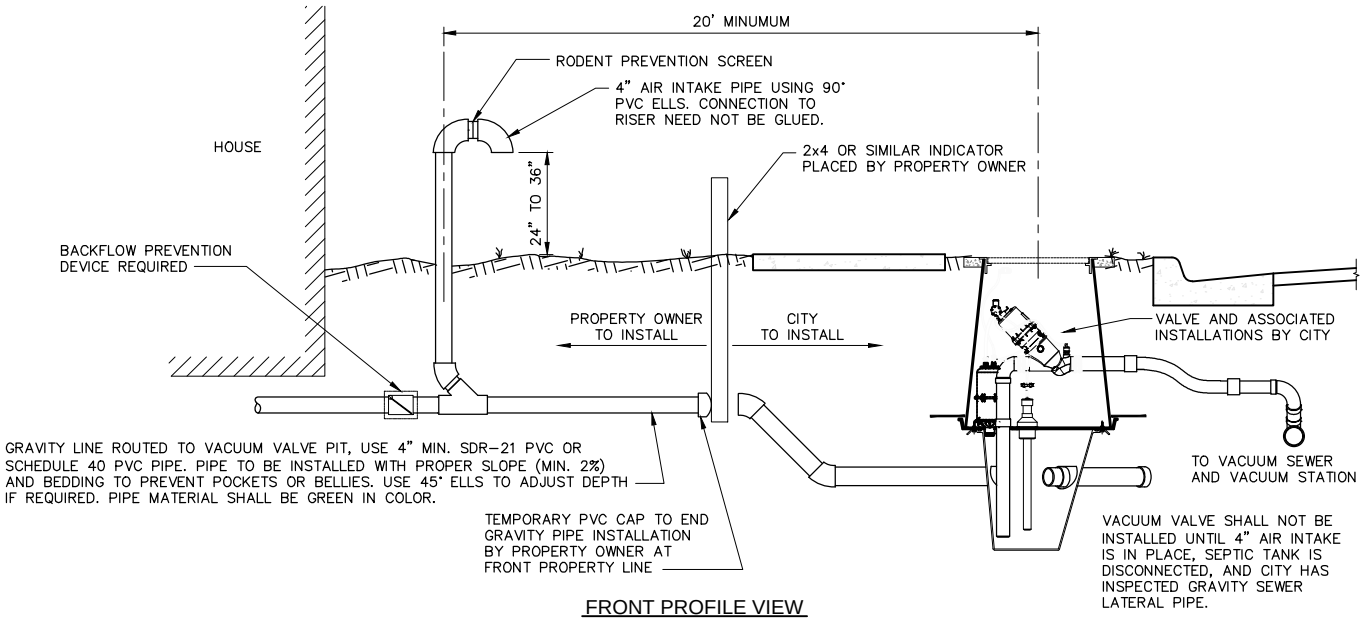
TYPICAL GRAVITY SEWER LATERAL CLEANOUT DETAIL & TRENCH SECTION

HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER:	18B
CAD DWG:	SEWER_LAT
PLOT SCALE:	1 = 48
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	JUN 2005



PLAN VIEW



FRONT PROFILE VIEW

NOTES:

1: PROPERTY OWNER TO INSTALL A GRAVITY SEWER PIPE (SERVICE LATERAL) FROM THE EXISTING SEWER OUTFALL FROM THEIR RESIDENCE OR OTHER BUILDING TO THE FRONT PROPERTY LINE ALONG AN EXISTING CITY STREET.
2: EACH SEPARATELY–OWNED BUILDING SHALL HAVE ITS OWN SEPARATE GRAVITY SEWER SERVICE LATERAL TO THE VALVE PIT.
3: THE LOCATION OF THE VALVE PIT SHALL BE DETERMINED BY THE CITY. IF THE SEWER SERVICE LATERAL IS INSTALLED PRIOR TO THE INSTALLATION OF THE VALVE PIT, COORDINATE WITH PUBLIC WORKS FOR THE PLANNED LOCATION OF THE VALVE PIT.
4: VALVE PIT LIDS SHALL NOT BE BURIED, COVERED, NOR ACCESS OTHERWISE OBSTRUCTED BY ANY ACTION OF THE PROPERTY OWNER.
5: IT IS ILLEGAL TO DISCHARGE ANY FLOWS OTHER THAN SANITARY SEWER FROM THE PRIMARY STRUCTURE'S MAIN OUTFALL INTO THE SEWER SERVICE LATERAL, INCLUDING, BUT NOT LIMITED TO, ROOF DRAINS, SUMP DRAINS, LAND DRAINS, ETC.
6: 90–DEGREE ELBOWS AND TEE FITTINGS SHALL NOT BE PERMITTED FOR USE ON THE THE GRAVITY SEWER SERVICE LATERAL. A WYE FITTING SHALL BE USED INSTEAD OF A TEE. TWO 45 DEGREE ELBOWS SEPARATED BY A 3–FOOT PIPE LENGTH SHALL BE USED INSTEAD OF A 90 DEGREE ELBOW.
7: A PVC SEWER CLEANOUT AS SHOWN IN STANDARD DRAWING 22a SHALL BE REQUIRED AT EVERY HORIZONTAL CHANGE IN DIRECTION, AND EVERY 100–FEET MAXIMUM ALONG THE SERVICE LATERAL.
8: THE ENTIRE GRAVITY SEWER SERVICE LATERAL MUST BE INSPECTED AND APPROVED BY THE CITY PUBLIC WORKS OFFICIALS BEFORE BACKFILLING AND BEFORE THE VACUUM VALVE IS INSTALLED IN THE VALVE PIT.

TYPICAL GRAVITY SEWER LATERAL INSTALLATION

BUILDING OUTFALL TO VACUUM VALVE PIT

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
1				
2				
3				
4				

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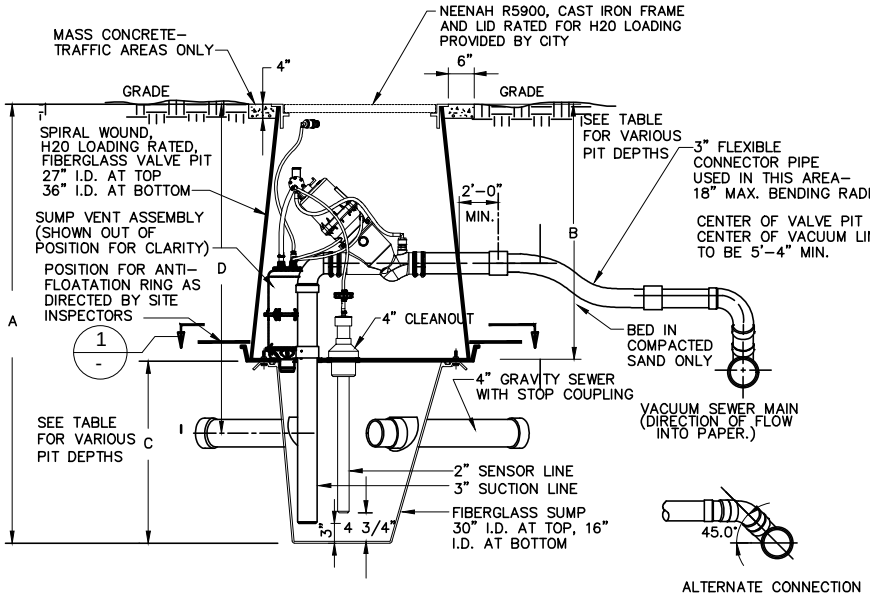
TYPICAL GRAVITY SEWER LATERAL (VACUUM) INSTALLATION DETAILS

HOOPER CITY
DEVELOPMENT STANDARDS

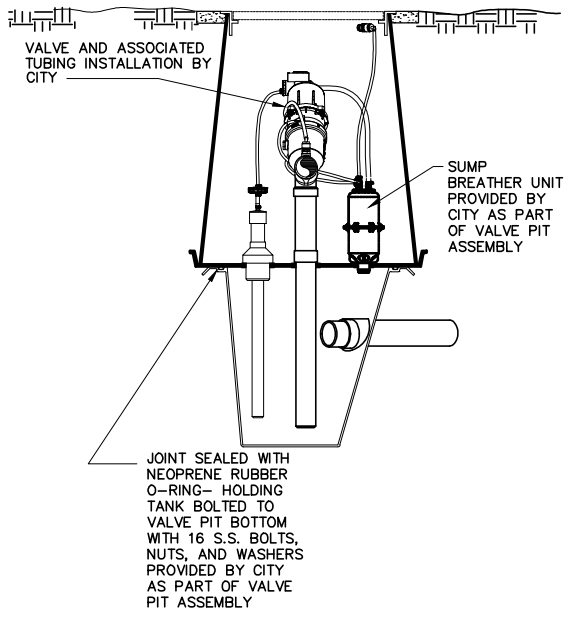
STANDARD DRAWING NUMBER:	18C
CAD DWG:	SEWER_LAT
PLOT SCALE:	1 = 48
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	JUN 2005



VALVE PIT DEPTH TABLE				
TOTAL PIT DEPTH A	.VALVE PIT HEIGHT B	SUMP HEIGHT C	4" INLET DEPTH D	MODEL NUMBER
5'	2.5'	2.5'	3.5'	VP3030WT
6'	3.5'	2.5'	4.5'	VP4230WT
7'	3.5'	3.5'	5.5'	VP4242
8'	4.5'	3.5'	6.5'	VP5442
10'	4.5'	5.5'	8.5'	VP5466

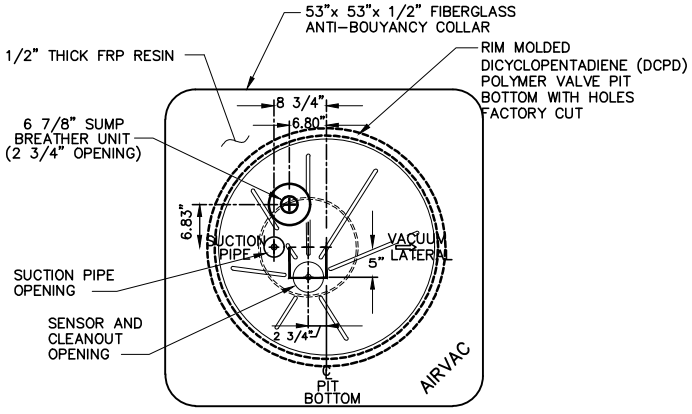
VALVE PIT

SCALE: N.T.S.



VALVE PIT TUBING DIAGRAM

SCALE: N.T.S.



ANTI-BOUYANCY COLLAR

SCALE: N.T.S.

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THIS DOCUMENT AND ANY ILLUSTRATIONS HEREON ARE PROVIDED AS STANDARD CONSTRUCTION DETAILS WITHIN HOOPER CITY. DEVIATION FROM THIS DOCUMENT REQUIRES APPROVAL OF HOOPER CITY. HOOPER CITY CORPORATION CAN NOT BE HELD LIABLE FOR MISUSE OR CHANGES REGARDING THIS DOCUMENT.

REVISION

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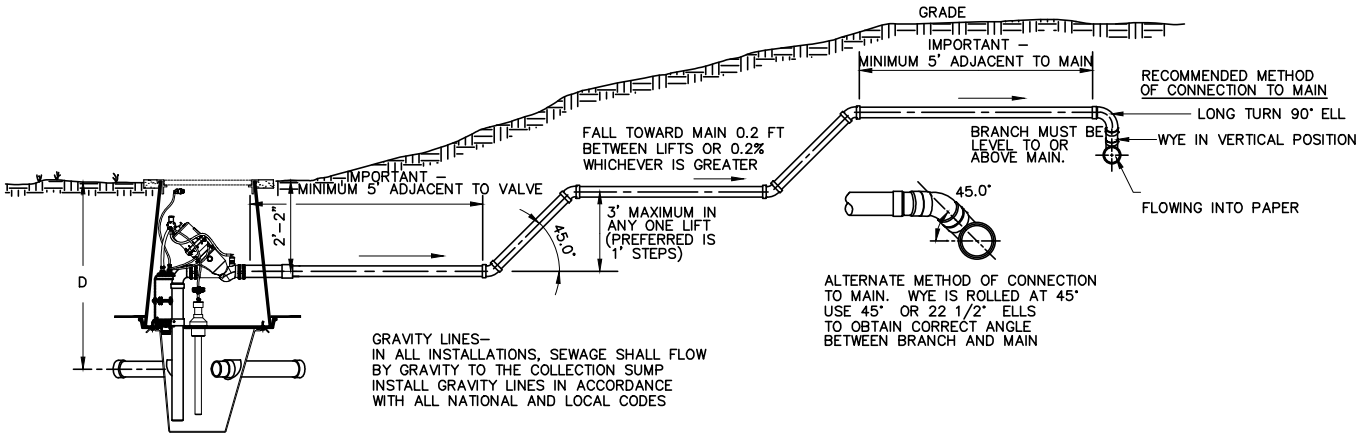
VACUUM SEWER DETAILS

HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER:	19A
CAD DWG:	VALVE_PIT
PLOT SCALE:	1 = 48
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	JUN 2005

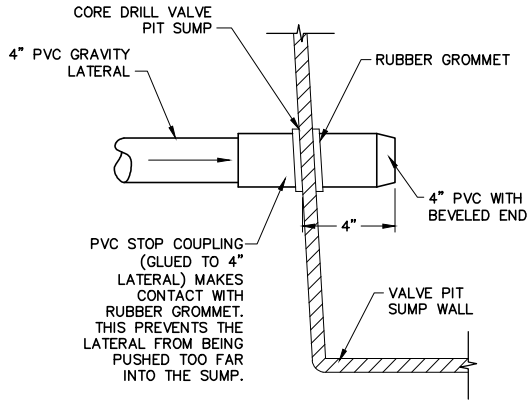
NOTES:
1. ALL HOLES IN VALVE PIT AND PIT BOTTOM ARE FACTORY CUT. ALL GRAVITY LINE CONNECTION OPENINGS IN THE SUMP ARE FIELD CUT.
2. WHEN INSTALLING ANY PIPE THROUGH A GROMMET USE ONLY WATER OR MILD DETERGENT AS A LUBRICANT
3. CITY SHALL INSTALL VACUUM VALVE WHEN HOME GRAVITY LINE IS COMPLETED AND AIR INTAKE PIPING IS IN PLACE AND COUPONS ARE ACCOUNTED.
4. INTERNAL SUMP BREATHER IS TO BE EQUIPPED WITH AUTOMATIC SHUT OFF DEVICES TO PREVENT LIQUID CONTAMINATION OF THE CONTROLLER AND INTERFACE VALVE DURING AN EMERGENCY HIGH LIQUID LEVEL EVENT. THESE DEVICES SHALL BE POSITIVE SEALING, SHALL NOT INHIBIT THE VALVE'S PERFORMANCE UNDER NORMAL CONDITIONS AND SHALL RESET AUTOMATICALLY WHEN RECOVERING FROM AN EMERGENCY HIGH LIQUID LEVEL EVENT.
5. 3" SERVICE LENGTH SHALL NOT EXCEED 300 FEET.



NOTE:
THE PVC STOP COUPLING CAN BE MADE BY CUTTING OFF 4" OF A 4" PVC, SLICING ONE SIDEWALL OF THE CUT PIPE PIECE TO ALLOW THE DIAMETER TO EXPAND, SLIDE IT OVER THE BEVELED END OF THE 4" LATERAL, GLUE IT 4" FROM THE BEVELED END.

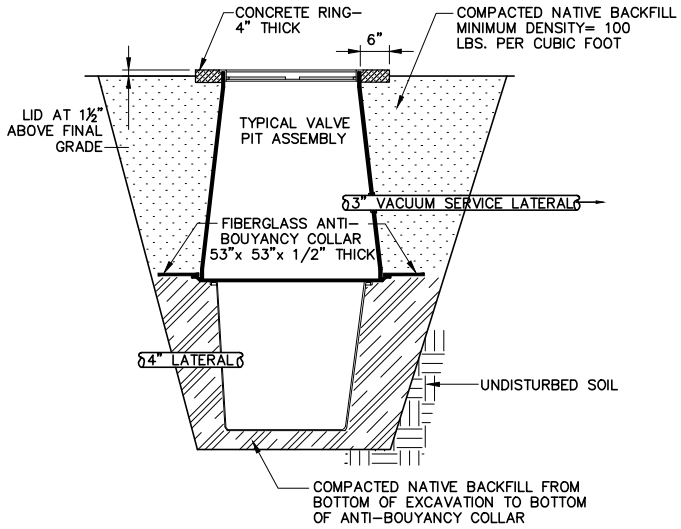
LIFT DETAILS FOR 3" SERVICE LATERAL

SCALE: N.T.S.



GRAVITY LATERAL CONNECTION TO VALVE PIT SUMP

SCALE: N.T.S.



VALVE PIT BEDDING AND BACK FILL

SCALE: N.T.S.

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
1				
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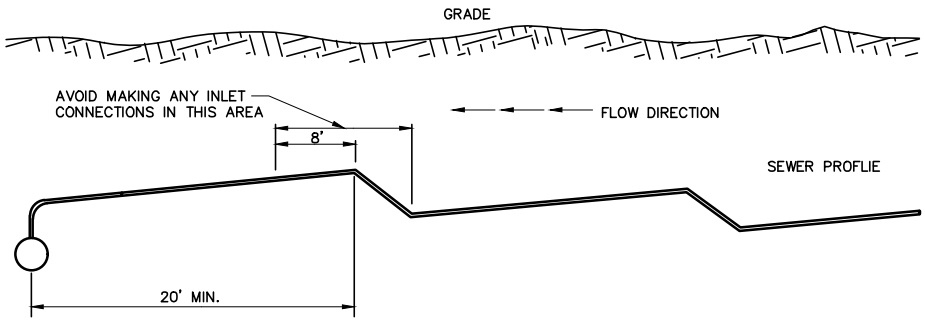
VACUUM SEWER DETAILS

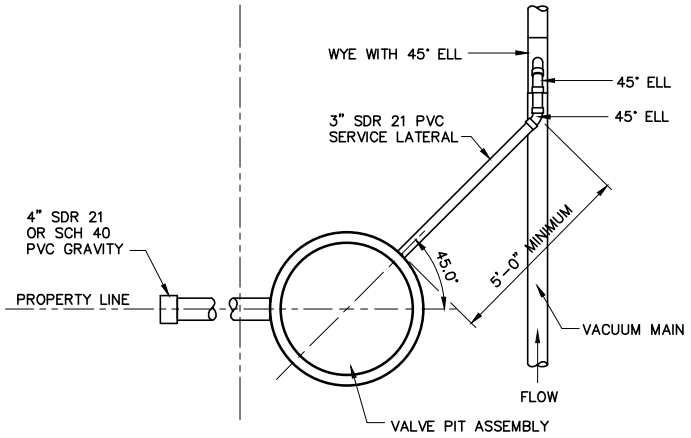
HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER:	19B
CAD DWG:	VALVE_PIT
PLOT SCALE:	1 = 48
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	JUN 2005



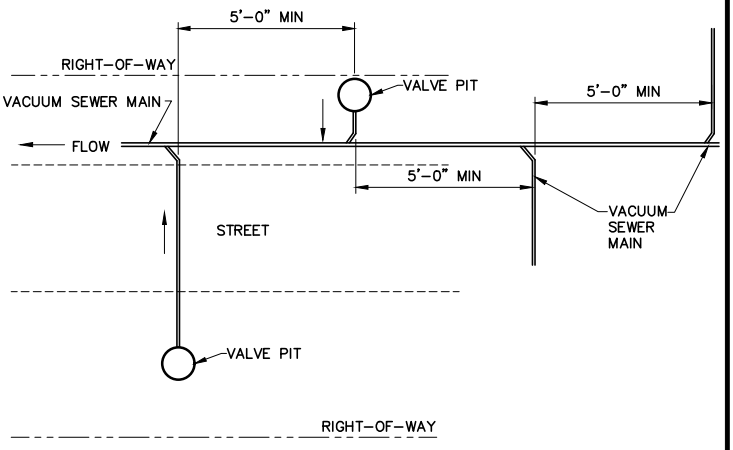
CONNECTION TO MAIN PROFILE

SCALE: N.T.S.



OPTIONAL PLACEMENT FOR VALVE PIT WITH SINGLE CONNECTION

SCALE: N.T.S.



CONNECTION TO MAIN SPACING REQUIREMENTS

SCALE: N.T.S.

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
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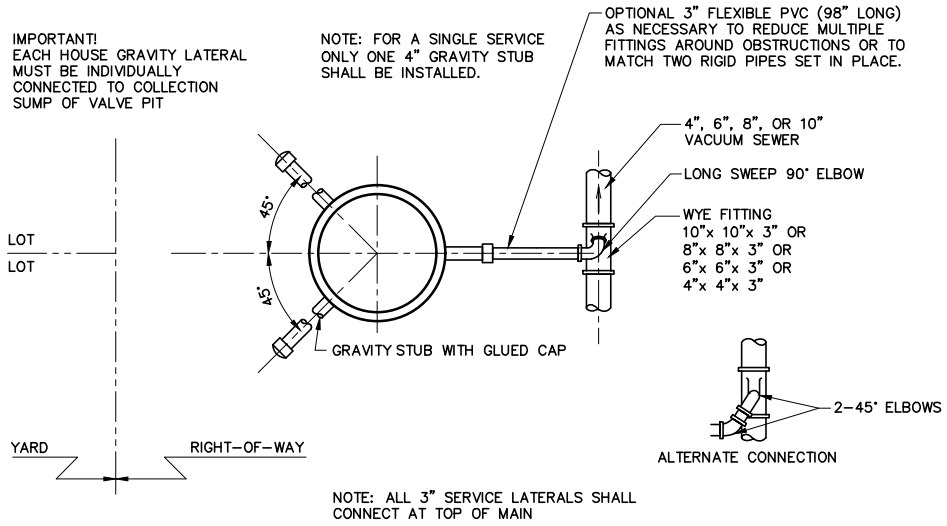
VACUUM SEWER DETAILS

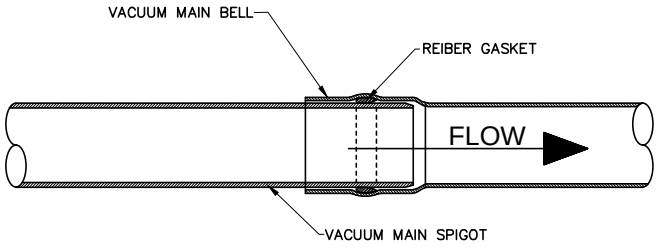
HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER:	19C
CAD DWG:	VALVE PIT 1
PLOT SCALE:	1 = 48
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	JUN 2005



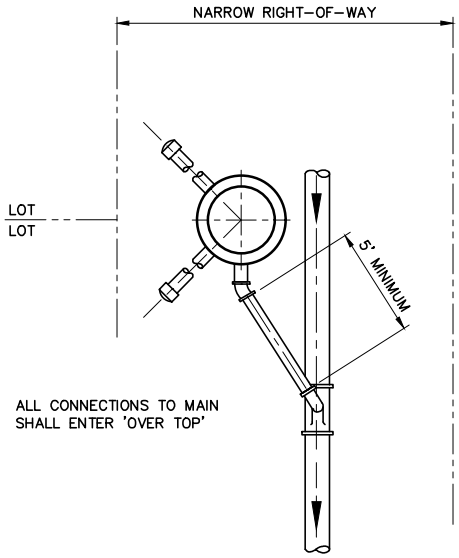
PREFERRED PLACEMENT FOR VALVE PIT WITH 1 OR 2 CONNECTIONS

SCALE: N.T.S.



ALTERNATE VACUUM MAIN BELL CONNECTION WITH FLOW DIRECTION

SCALE: N.T.S.



OPTIONAL PLACEMENT FOR VALVE PIT NARROW RIGHT-OF-WAY

SCALE: N.T.S.

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
1				
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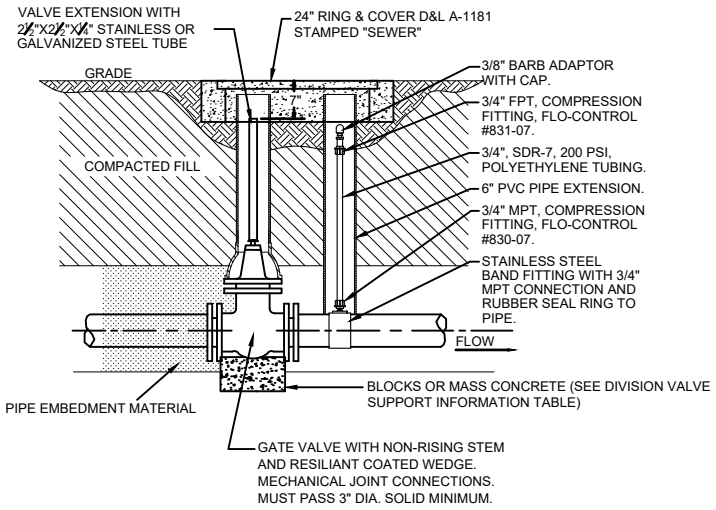
VACUUM SEWER DETAILS

HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER:	19D
CAD DWG:	VALVE PIT 1
PLOT SCALE:	1 = 48
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	JUN 2005

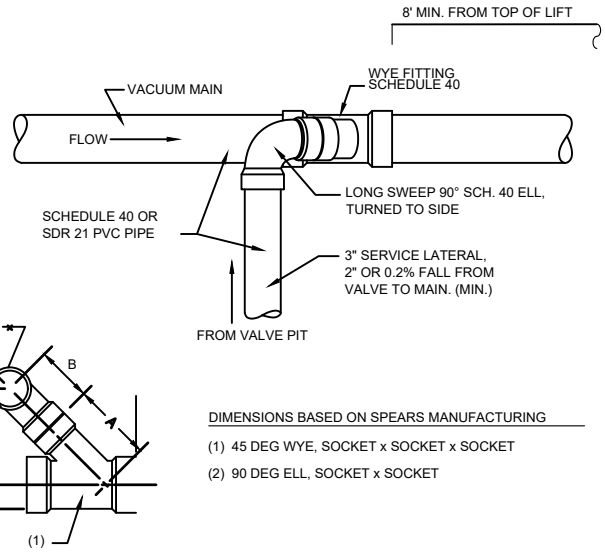
DIVISION VALVE SUPPORT INFORMATION

VALVE SIZE	MIN. SUPPORT SIZE
4"	1" THICK X 1.75' SQUARE
6"	1" THICK X 2.25' SQUARE
8"	1" THICK X 3.00' SQUARE
10"	1" THICK X 3.50' SQUARE



DIVISION VALVE AND GAUGE TAP

SCALE: N.T.S.



DIMENSIONS BASED ON SPEARS MANUFACTURING

(1) 45 DEG WYE, SOCKET x SOCKET x SOCKET

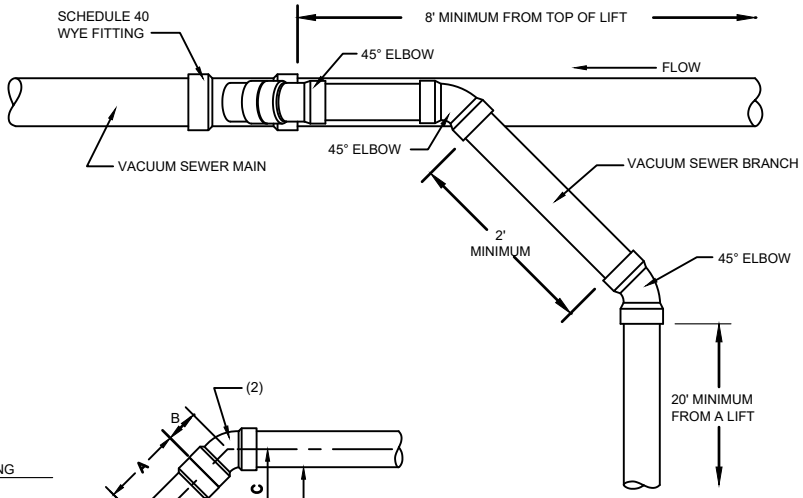
(2) 90 DEG ELL, SOCKET x SOCKET

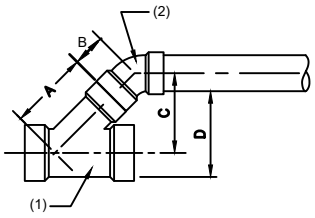
WYE SIZE	A	B	C	D- INVERT
4 x 4 x 3	9 1/4"	3 25/32"	9.32"	0.78'
6 x 6 x 3	10 1/2"	3 25/32"	10.21"	O.85'
8 x 8 x 3	13"	3 25/32"	11.86"	1.00'
10 x 10 x 3	14 3/8"	3 25/32"	12.84"	1.10'

PREFERRED VACUUM SERVICE CONNECTION TO MAIN

SCALE: N.T.S.

WYE SIZE	A	B	C	D- INVERT
4 x 4 x 4	8 3/4"	3 5/16"	8.53"	0.71'
4 x 4 x 3	9 1/4"	3 1/16"	8.70"	0.73'
6 x 6 x 6	12 1/8"	5 9/16"	12.5"	1.04'
6 x 6 x 4	10"	3 5/16"	9.41"	0.78'
6 x 6 x 3	10 1/2"	3 1/16"	9.59"	0.80'
8 x 8 x 8	18 3/4"	6 13/16"	18.07"	1.52'
8 x 8 x 6	16 1/4"	5 9/16"	15.42"	1.30'
8 x 8 x 4	14 1/4"	3 5/16"	12.42"	1.05'
8 x 8 x 3	13"	3 1/16"	11.36"	0.99'
10 x 10 x 10	22 3/8"	8 19/32"	21.90"	1.89'
10 x 10 x 8	20 1/4"	6 13/16"	19.13"	1.61'
10 x 10 x 6	17 3/4"	5 9/16"	16.46"	1.42'
10 x 10 x 4	15 3/4"	3 5/16"	13.48"	1.18'
10 x 10 x 3	14 3/4"	3 1/16"	12.33"	1.08'





DIMENSIONS BASED ON SPEARS MANUFACTURING

(1) 45 DEG WYE, SOCKET x SOCKET x SOCKET

(2) 45 DEG ELL, SOCKET x SOCKET

ALTERNATE VACUUM BRANCH TO MAIN LINE CONNECTION

SCALE: N.T.S.

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
1				
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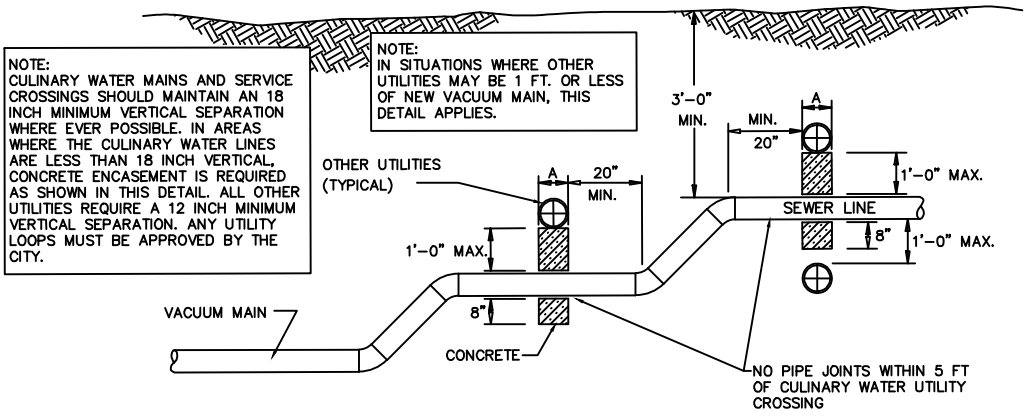
VACUUM SEWER DETAILS

HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER: 19E

CAD DWG:	VALVE_PIT 2
PLOT SCALE:	1 = 48
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	JUN 2005



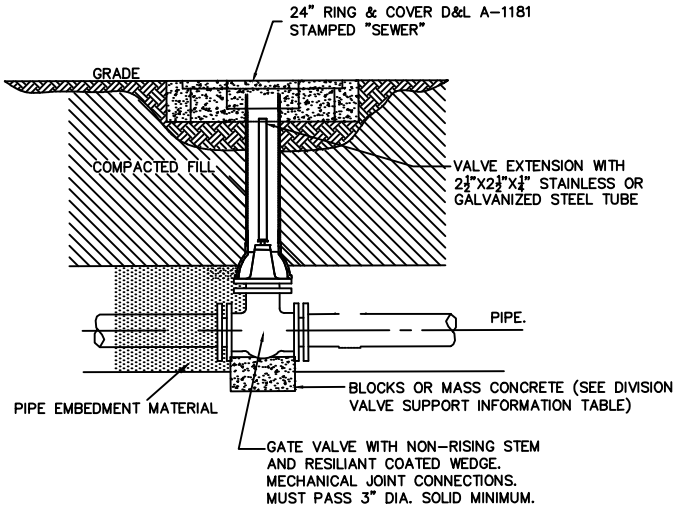
A: WIDTH OF CONCRETE TO MATCH WIDTH OF UTILITY PIPE TO CROSS.

TYPICAL UTILITY CROSSING

SCALE: N.T.S.

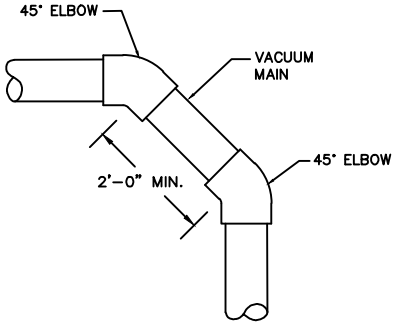
DIVISION VALVE SUPPORT INFORMATION

VALVE SIZE	MIN. SUPPORT SIZE
4"	1" THICK X 1.75' SQUARE
6"	1" THICK X 2.25' SQUARE
8"	1" THICK X 3.00' SQUARE
10"	1" THICK X 3.50' SQUARE



DIVISION VALVE

SCALE: N.T.S.



CHANGE IN DIRECTION

SCALE: N.T.S.

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
1				
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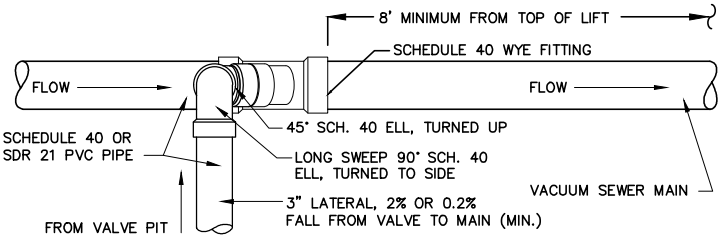
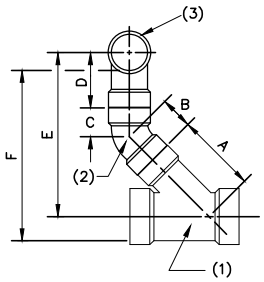
VACUUM SEWER DETAILS

HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER:	19F
CAD DWG:	VALVE_PIT 2
PLOT SCALE:	1 = 48
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	JUN 2005





DIMENSIONS BASED ON SPEARS MANUFACTURING

(1) 45 DEG WYE, SOCKET x SOCKET x SOCKET

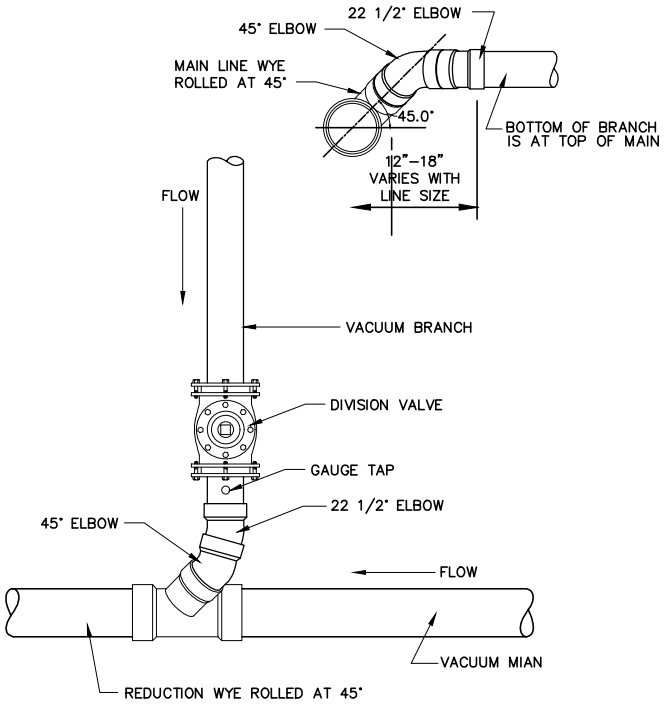
(2) 45 DEG ELL, SOCKET x SOCKET

(3) 90 DEG ELL, SOCKET x SOCKET

WYE SIZE	A	B	C	D	E	F– INVERT
4 x 4 x 3	9 1/4"	3 1/16"	3 1/16"	3 25/32"	15.55"	1.31'
6 x 6 x 3	10 1/2"	3 1/16"	3 1/16"	3 25/32"	16.43"	1.38'
8 x 8 x 3	13"	3 1/16"	3 1/16"	3 25/32"	18.20"	1.53'
10 x 10 x 3	14 3/8"	3 1/16"	3 1/16"	3 25/32"	19.17"	1.62'

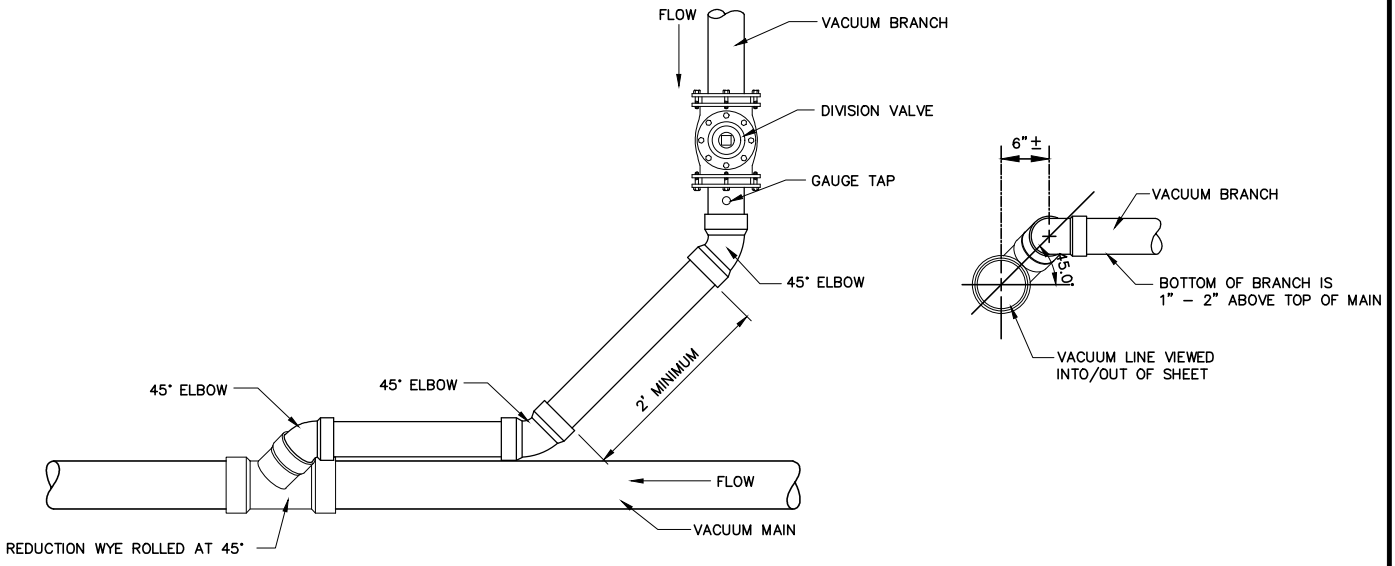
ALTERNATE VACUUM SERVICE CONNECTION TO MAIN

SCALE: N.T.S.



PREFERRED VACUUM BRANCH TO MAIN LINE CONNECTION

SCALE: N.T.S.



ALTERNATE VACUUM BRANCH TO MAIN LINE CONNECTION

SCALE: N.T.S.

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
1				
2				
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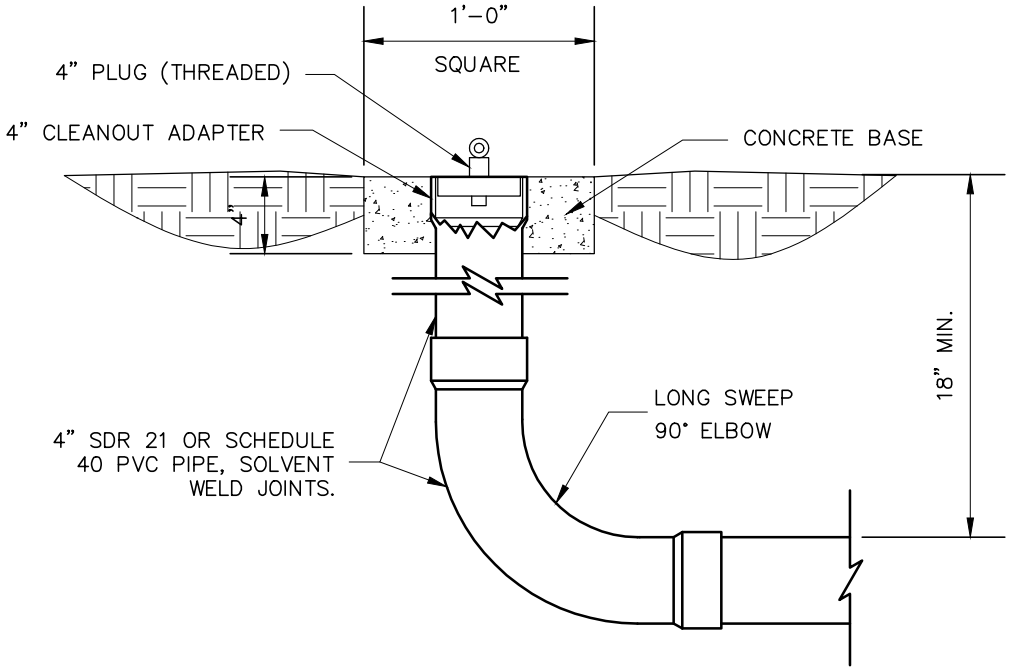
VALVE SEWER DETAIL

HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER: 19G

CAD DWG:	VALVE PIT 3
PLOT SCALE:	1 = 48
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	JUN 2005



RV SANITARY SEWER DUMP

SCALE: N.T.S.

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
1				
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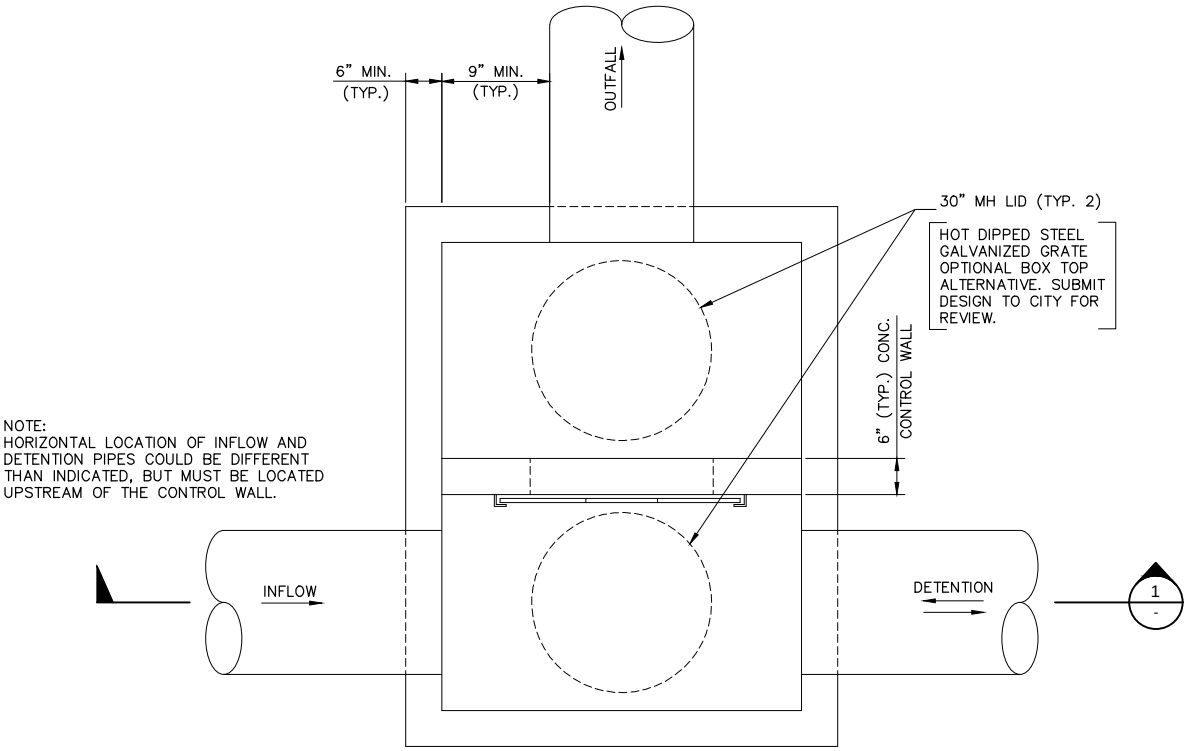
RV SANITARY SEWER DUMP

HOOPER CITY
DEVELOPMENT STANDARDS

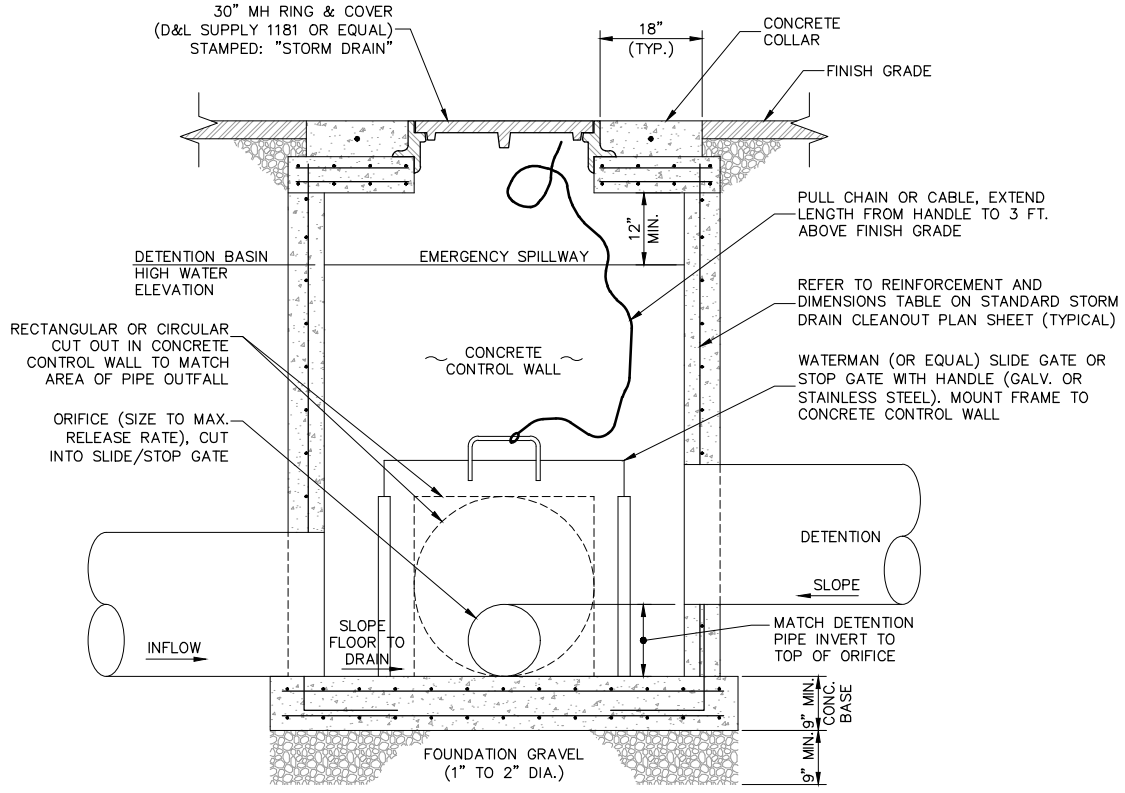
STANDARD DRAWING NUMBER: 20

CAD DWG:	RV_SAN_SEWER
PLOT SCALE:	1 = 1
DRAWN BY:	KEF
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	JUL 2006



STANDARD CONTROL BOX PLAN VIEW

SCALE: N.T.S.



SECTION 1 / -

SCALE: N.T.S.

REVISION

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1				
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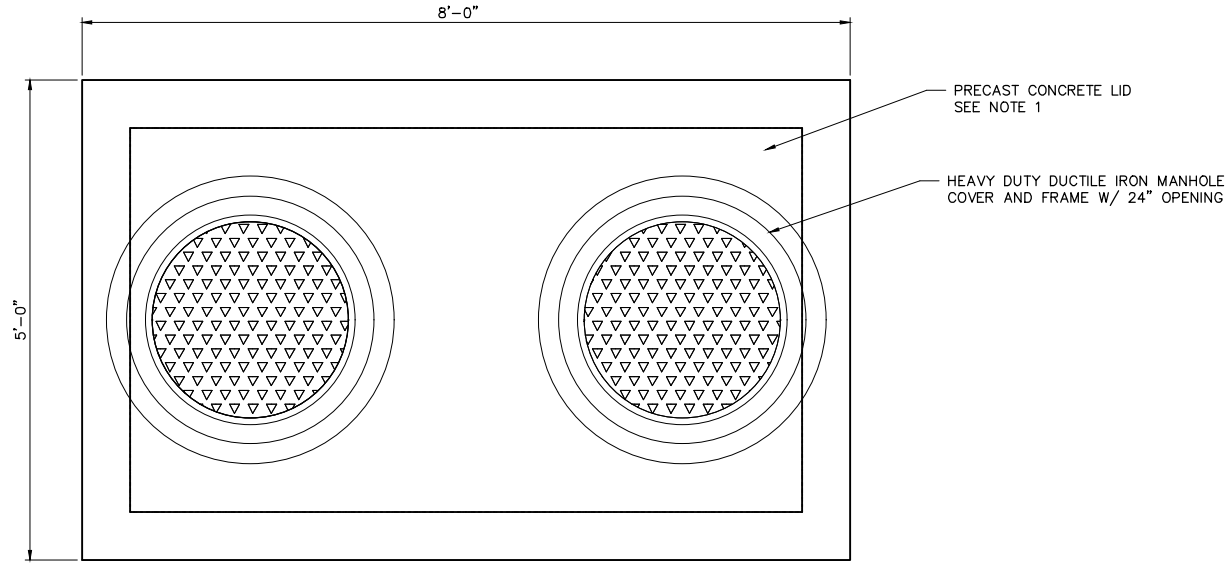
STANDARD STORM DRAIN CONTROL BOX

HOOPER CITY
DEVELOPMENT STANDARDS

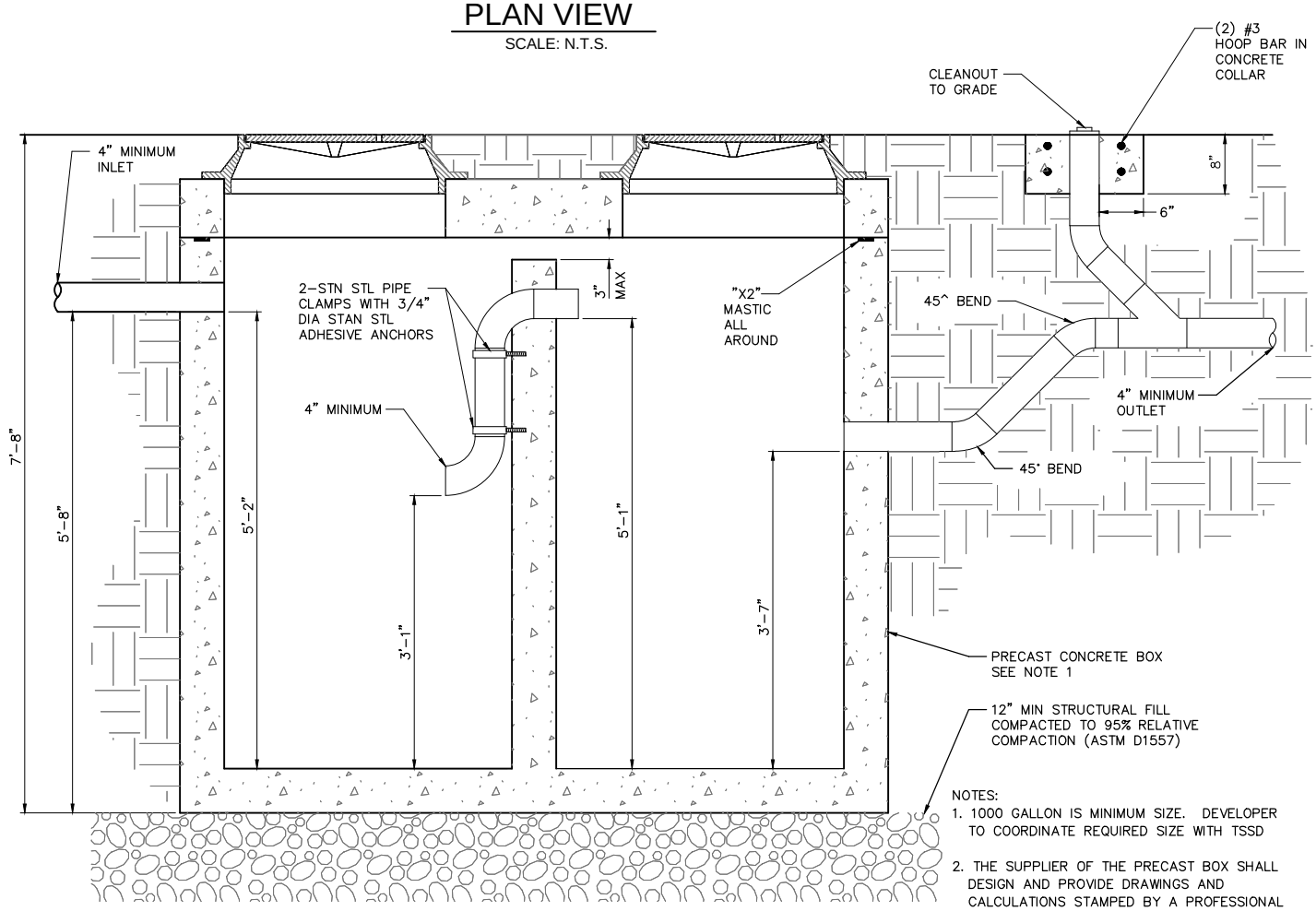
STANDARD DRAWING NUMBER: 21

CAD DWG:	SD_CONTROL_BOX
PLOT SCALE:	1 = 96
DRAWN BY:	JDM
DESIGN BY:	RCW
CHECKED BY:	TLA
ADOPTED DATE:	MAY 2010



PLAN VIEW

SCALE: N.T.S.



SECTION VIEW

SCALE: N.T.S.

NOTES:

1. 1000 GALLON IS MINIMUM SIZE. DEVELOPER TO COORDINATE REQUIRED SIZE WITH TSSD
2. THE SUPPLIER OF THE PRECAST BOX SHALL DESIGN AND PROVIDE DRAWINGS AND CALCULATIONS STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF UTAH TO THE CITY ENGINEER FOR APPROVAL.
3. SUPPLIER SHALL COORDINATE WITH OWNER THE SIZE AND LOCATION OF ALL PIPE PENETRATIONS PRIOR TO FABRICATION
4. NO SANITARY SEWER THROUGH TRAP
5. OTHER MANUFACTURER'S DIMENSIONS MAY VARY

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
1				
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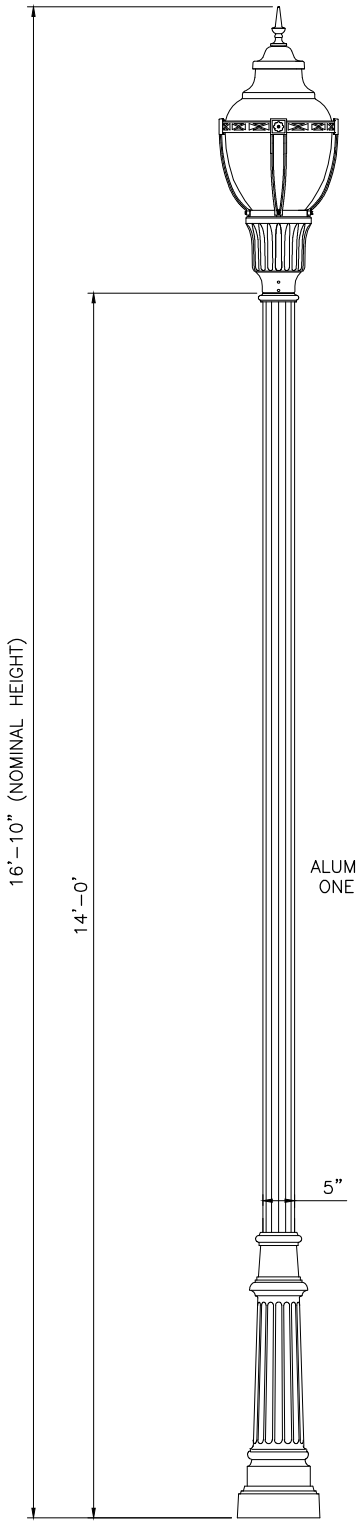
TYPICAL GREASE TRAP
1000 GALLON CAPACITY

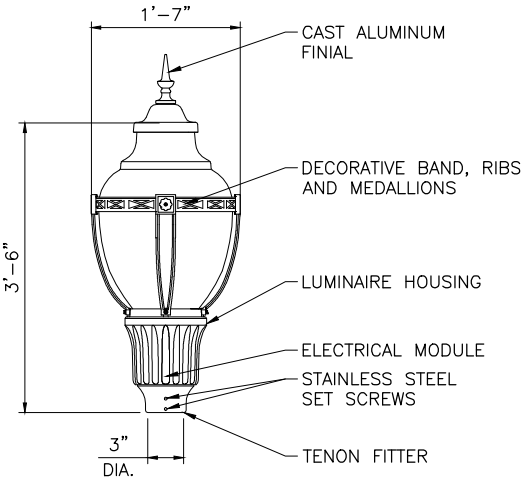
HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER:	22
CAD DWG:	GREASE_TRAP
PLOT SCALE:	1 = 96
DRAWN BY:	JDM
DESIGN BY:	RCW
CHECKED BY:	TLA
ADOPTED DATE:	MAY 2010

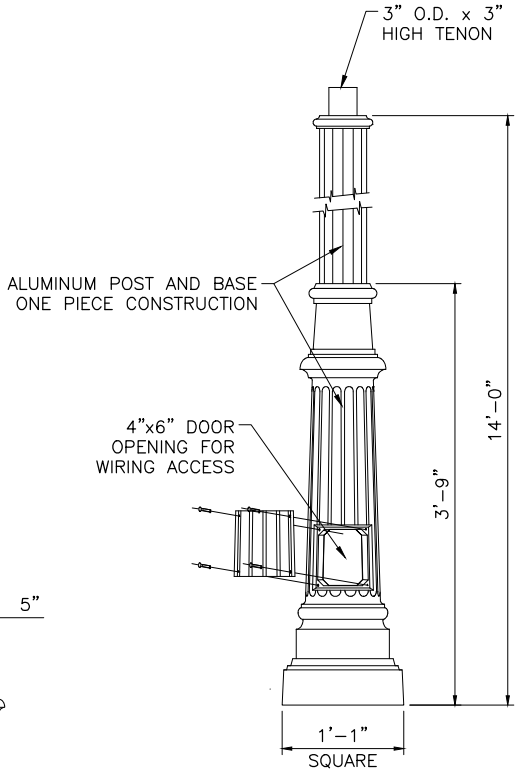


WASHINGTON POSTLITE DETAIL

HOLOPHANE CATALOG #WFCL2035H030KASBKL3SP7PCLLL25



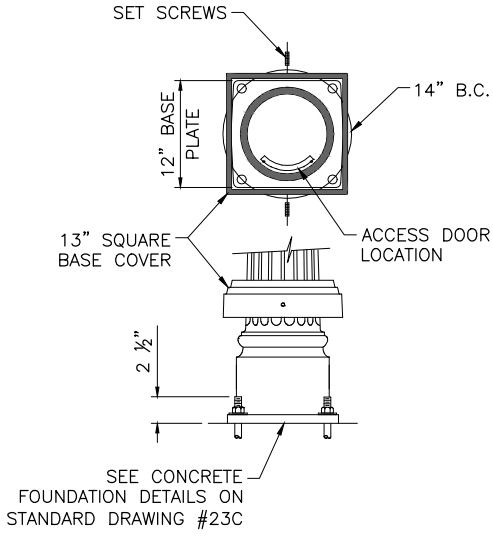
LUMINAIRE DETAIL



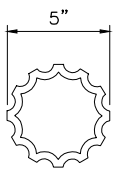
POST DETAIL

CATALOG #SMA14F5J13P07LABBK

NOTE:
TO BE USED ON RESIDENTIAL LOCAL STREETS



ANCHORAGE DETAIL



5" DIA. FLUTED SHAFT
CROSS SECTION

STATEMENT OF USE

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REVISION

NO.	DESCRIPTION	BY	APR.	DATE
1				
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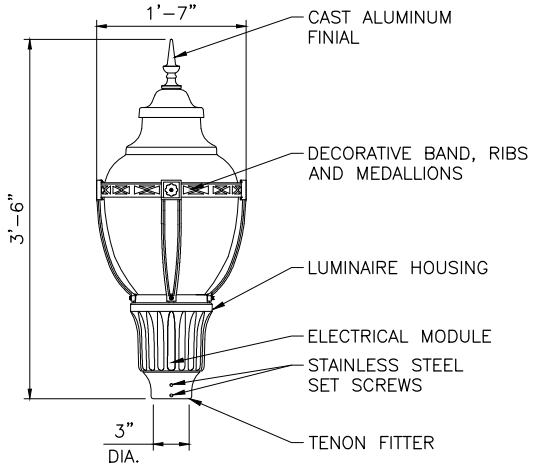
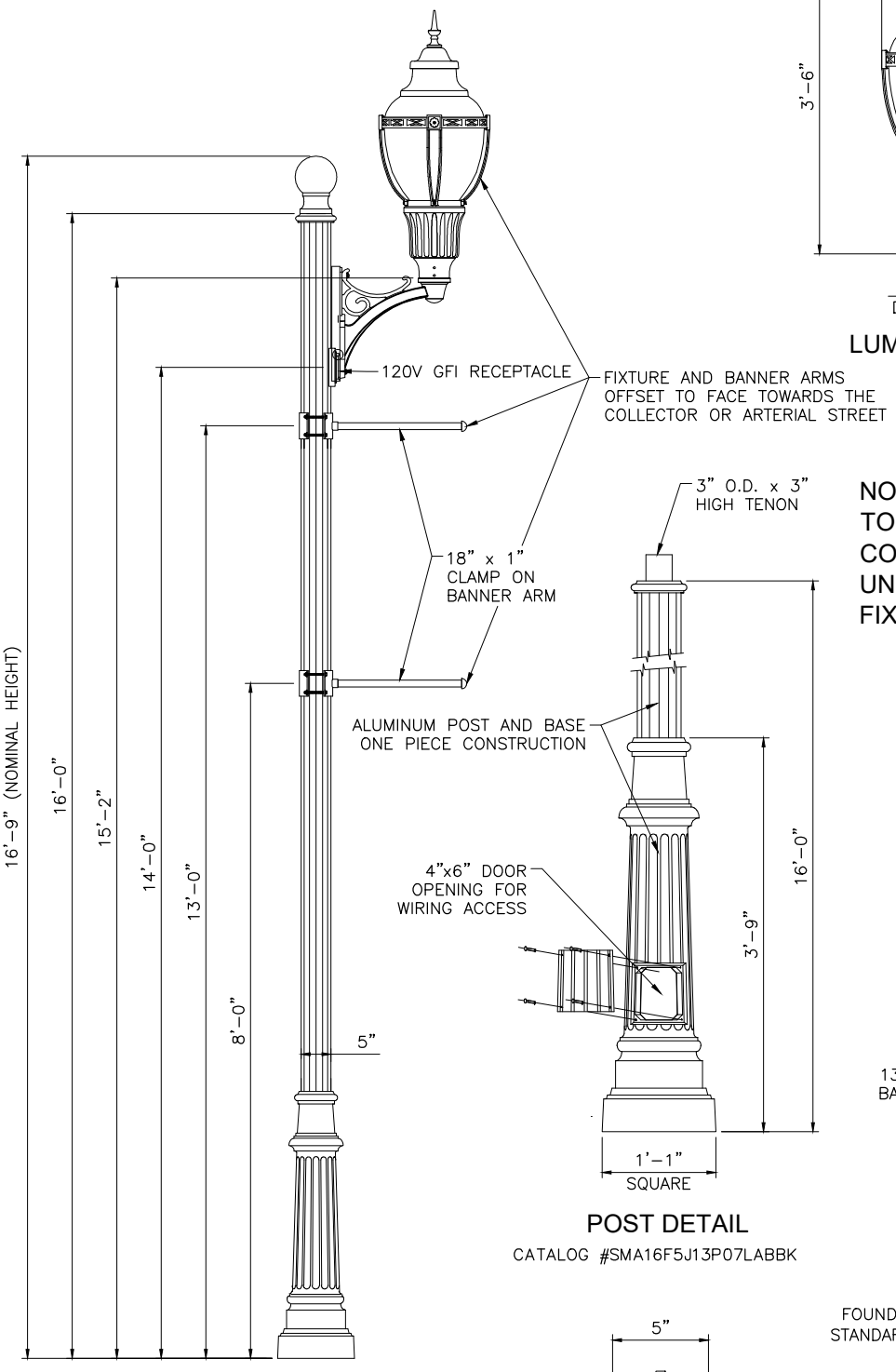
WASHINGTON POSTLIGHT TYPE 1 LED STREET LIGHT

HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER:	23A
CAD DWG:	
PLOT SCALE:	1 = 12
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	



LUMINAIRE DETAIL



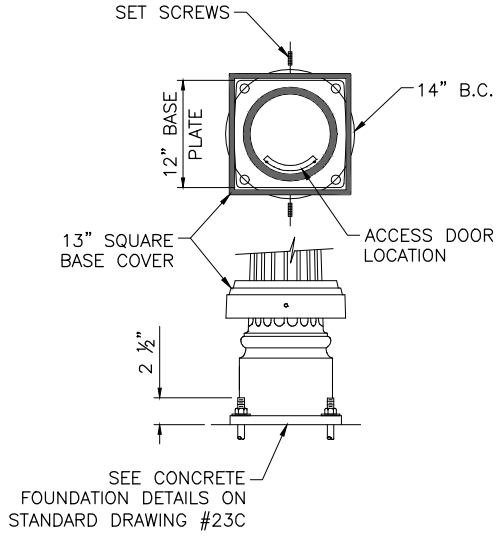
WASHINGTON POSTLITE DETAIL

HOLOPHANE CATALOG #WFCL2070HO40KASBKL3P7PCLLL25
FINIAL: #BFCABKH
ARM: #AWBCABSCROLLH

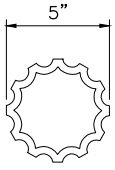
POST DETAIL

CATALOG #SMA16F5J13P07LABBK

NOTE:
TO BE USED ON COMMERCIAL, COLLECTOR, OR ARTERIAL STREETS UNLESS A SPECIFIC SITE RELATED FIXTURE IS APPROVED



ANCHORAGE DETAIL



5" DIA. FLUTED SHAFT
CROSS SECTION

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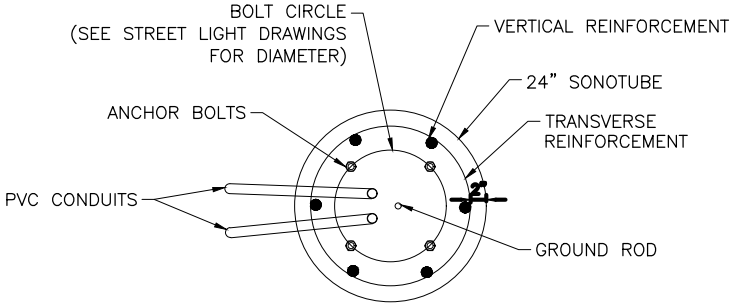
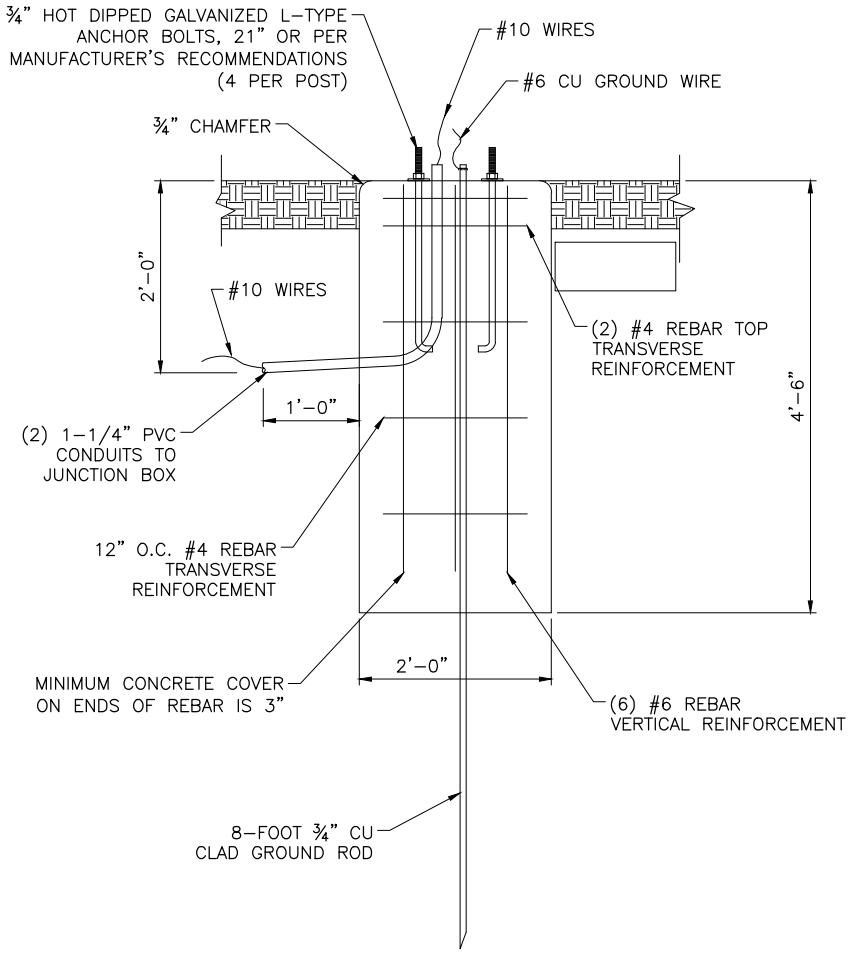
WASHINGTON POSTLIGHT TYPE 2 LED STREET LIGHT

HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER: 23B

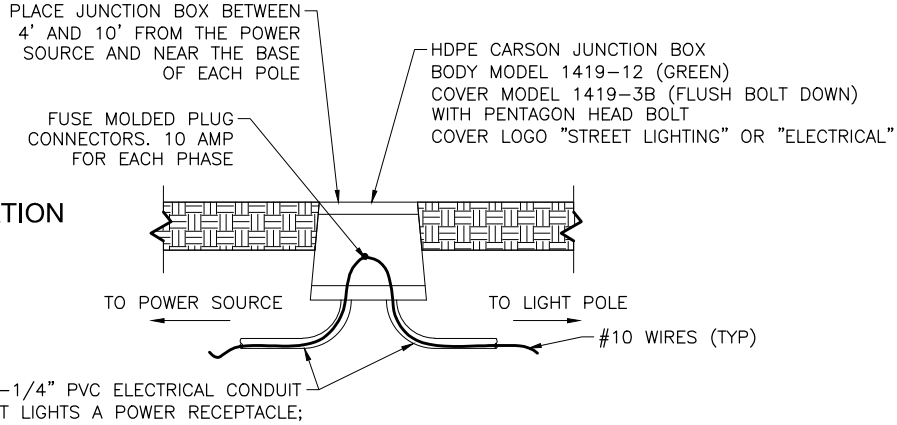
CAD DWG:	
PLOT SCALE:	1 = 12
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	





NOTE:
(1) GROUND ROD AND PLASTIC CONDUITS MUST BE LOCATED WITHIN A 3" RADIUS FROM THE CENTER OF BOLT CIRCLE.
(2) IN-LINE WATERTIGHT FUSE HOLDERS REQUIRED AT CONNECTION POINT IN BASE OF LIGHT. LITTLEFUSE #WPB1 OR EQUAL.

CONCRETE FOUNDATION



REVISION

NO.	DESCRIPTION	BY	APR.	DATE
1				
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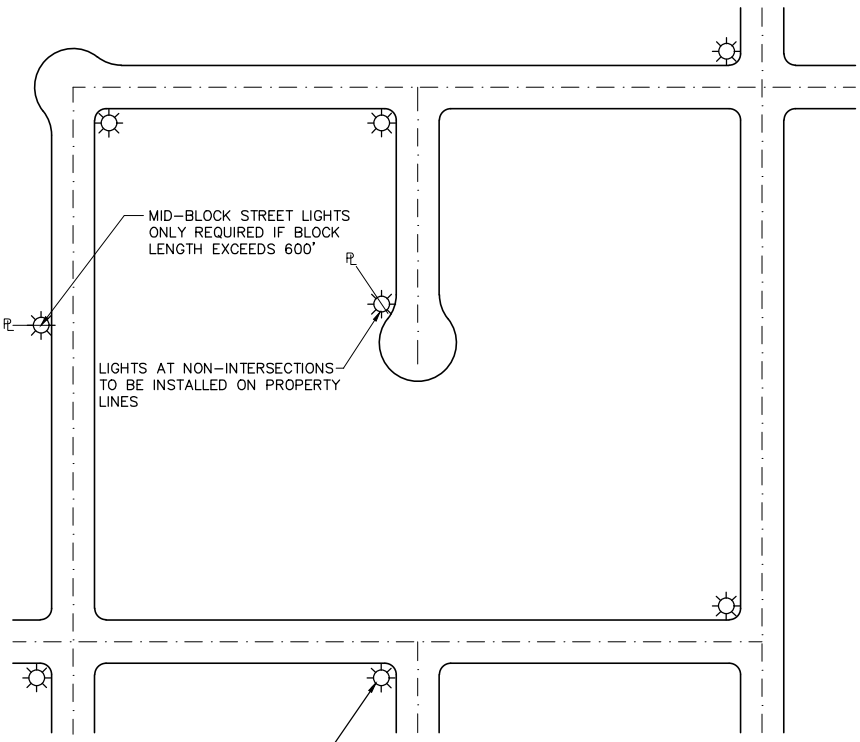
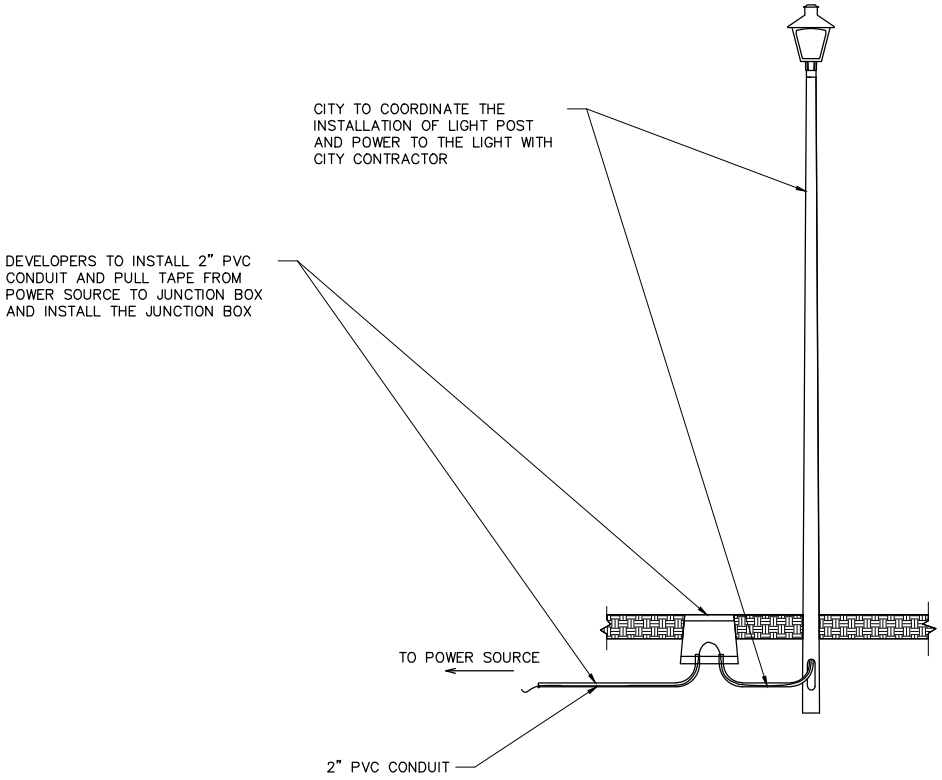
FOUNDATION AND JUCTION BOX FOR STREET LIGHTS

HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER: 23C

CAD DWG:	
PLOT SCALE:	1 = 12
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	





REVISION

NO.	DESCRIPTION	BY	APR.	DATE
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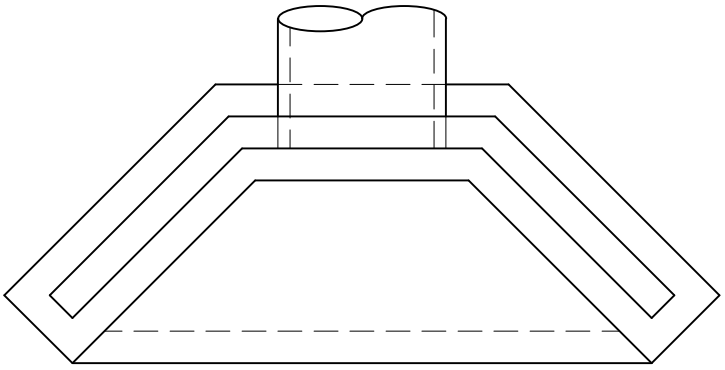
STANDARD STREET LIGHTING LOCATIONS

HOOPER CITY
DEVELOPMENT STANDARDS

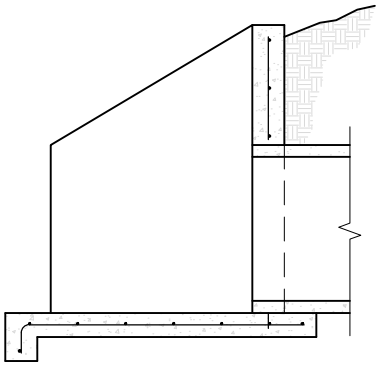
STANDARD DRAWING NUMBER: 23D

CAD DWG:	
PLOT SCALE:	1 = 12
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	

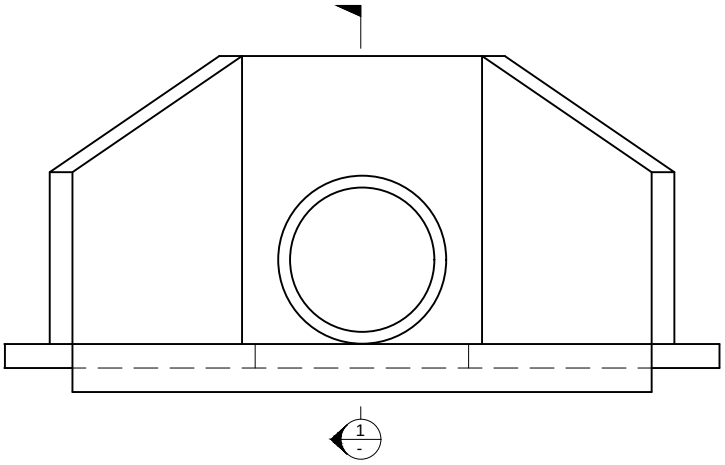
NOTES:
1. THIS DETAIL APPLIES WHEN REQUIRED BY PUBLIC WORKS FOR TRANSITION FROM PIPED DITCH TO OPEN CHANNEL.
2. STRUCTURAL DESIGN SHALL BE COMPLETED BY THE ENGINEER–OF–RECORD FOR THE PROJECT. DETAILS SHALL BE INCLUDED IN PROJECT DRAWINGS.
3. THE CONCRETE SPLASH PAD IS OPTIONAL UNLESS REQUIRED BY PUBLIC WORKS.
4. DESIGNED HEIGHT OF HEADWALL AND SLOPE OF WINGWALLS MUST CONSIDER MOTORIST SAFETY IF STRUCTURE IS ADJACENT TO A ROADWAY



PLAN VIEW
SCALE: N.T.S.



SECTION 1/-
SCALE: N.T.S.



FRONT VIEW
SCALE: N.T.S.

REVISION

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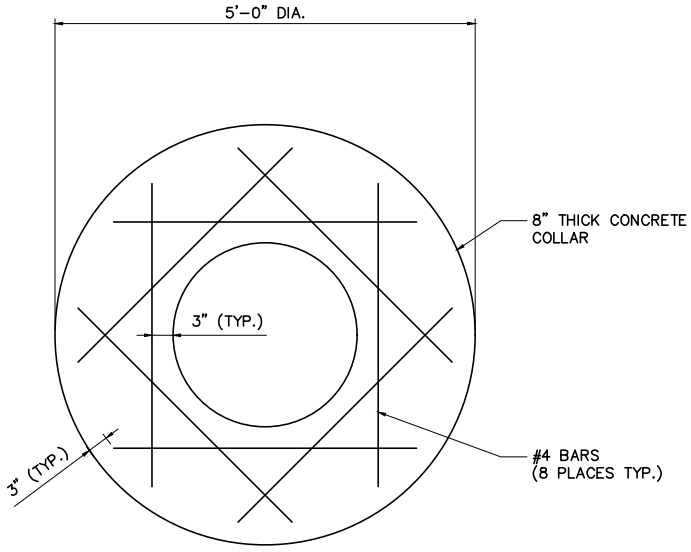
CONCRETE HEADWALL WITH WINGWALLS

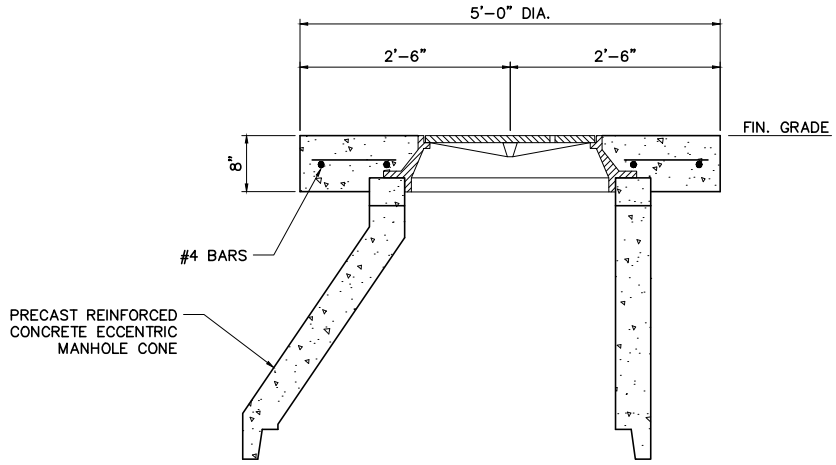
HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER: 24

CAD DWG:	WING WALL
PLOT SCALE:	1 = 1
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	NOV 2005



PLAN



SECTION

NOTE:
USE GRADE RINGS AS NECESSARY TO ARRIVE AT REQUIRED FINISH GRADE.

REVISION

NO.	DESCRIPTION	BY	APR.	DATE
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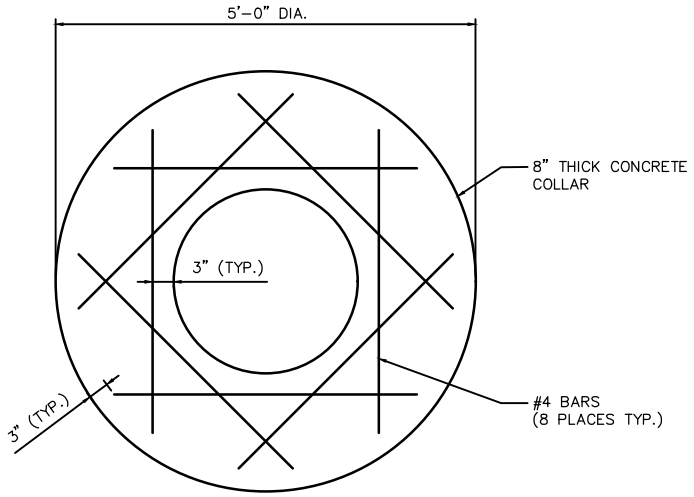
MANHOLE CONCRETE COLLAR

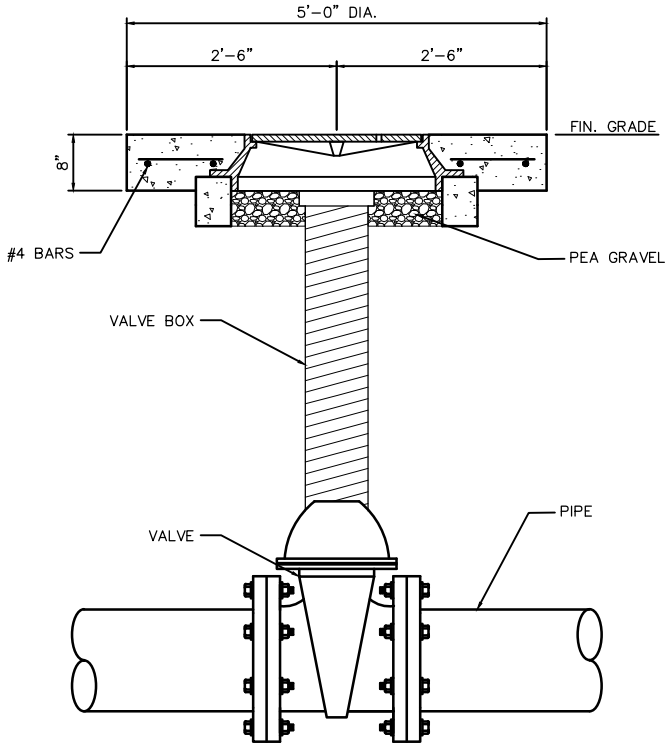
HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER: 26A

CAD DWG:	CONC_COLLAR
PLOT SCALE:	1 = 1
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	NOV 2003



PLAN



NOTE:
1. NOT FOR VAC SEWER
2. CAST IRON "SEWER" LID
3. COORDINATE CONCRETE COLLAR AND VALVE BOX LID REQUIREMENTS WITH INDIVIDUAL UTILITY COMPANIES.

SECTION

UTILITY	LID	CONCRETE COLLAR	NOTES
HOOPER CITY VACUUM SEWER	ROUND "SEWER"	60" ROUND	
HOOPER WATER IMPROVEMENT DISTRICT	ROUND "WATER"	COORDINATE	SURVEY MONUMENT REQUIRED
HOOPER IRRIGATION COMPANY	TRIANGULAR "WATER"	24" ROUND	
TAYLOR-WEST WEBER WATER IMPROVEMENT DISTRICT	ROUND "WATER"	COORDINATE	COORDINATE

REVISION

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VALVE CONCRETE COLLAR

HOOPER CITY
DEVELOPMENT STANDARDS

STANDARD DRAWING NUMBER: 26B

CAD DWG:	CONC_COLLAR
PLOT SCALE:	1 = 1
DRAWN BY:	JDM
DESIGN BY:	TLA
CHECKED BY:	TLA
ADOPTED DATE:	NOV,2003

CONSTRUCTION NOTES:

1. PUMP STATION MECHANICAL EQUIPMENT SHOWN IS SCHEMATIC. CONTRACTOR IS RESPONSIBLE FOR CORRECT QUANTITIES AND PIPE SPOOL LENGTHS AS REQUIRED FOR A FULLY FUNCTIONAL INSTALLATION. VERIFY ALL DIMENSIONS (BOTH VERTICAL AND HORIZONTAL). VERIFY MANUFACTURERS CONNECTION DETAILS AND INSTALLATION REQUIREMENTS. PROVIDE A DIMENSIONED DRAWING SHOWING ALL VALVES, FITTINGS, PIPE SPOOLS, AND PUMP CONNECTIONS WITH SHOP DRAWING SUBMITTAL. COORDINATE ALL WORK WITH RELATED TRADES TO AVOID CONFLICTS.

2. INITIAL FLOAT SWITCH SETTINGS (FIELD ADJUST TO OPTIMIZE PERFORMANCE AS REQUIRED):

ELEVATION (FEET)	CONTROLLER FUNCTION FOR RISING LEVEL	CONTROLLER FUNCTION FOR FALLING LEVEL
XXXX.XX	HIGH WATER ALARM ON	HIGH WATER ALARM OFF
XXXX.XX	LAG PUMP ON	
XXXX.XX	LEAD PUMP ON	
XXXX.XX		BOTH PUMPS OFF AND ALTERNATE LEAD/LAG

3. INSTALL PUMP AND ALL RELATED PUMP EQUIPMENT IN STRICT ACCORDANCE WITH THE DRAWINGS, SPECIFICATIONS, AND MANUFACTURERS RECOMMENDATIONS.

4. GENERATOR BUILDING AND SITE REQUIREMENTS ARE NOT INCLUDED IN THESE DRAWINGS. REFER TO LIFT STATION SPECIFICATIONS FOR SPECIFIC REQUIREMENTS.

5. REFER TO GEOTECH REPORT FOR BACKFILL REQUIREMENTS. IMPORTED BACKFILL MAY BE REQUIRED.

6. PROTECT BUILDINGS, FENCES, CURBS, AND SIDEWALKS ADJACENT TO THE SITE, UNLESS NOTED OTHERWISE. DAMAGE BY CONTRACTORS OPERATIONS SHALL BE REPAIRED AT CONTRACTORS EXPENSE.

7. UNLESS NOTED OTHERWISE, ALL PIPING AND FITTINGS FROM THE PUMPS THROUGH THE VALVE VAULT SHALL BE DUCTILE IRON CLASS 53 AND HAVE A 2-PART HIGH BUILD COAL TAR EPOXY COATING (40 MIL THICKNESS) ON INTERIOR AND EXTERIOR SURFACES.

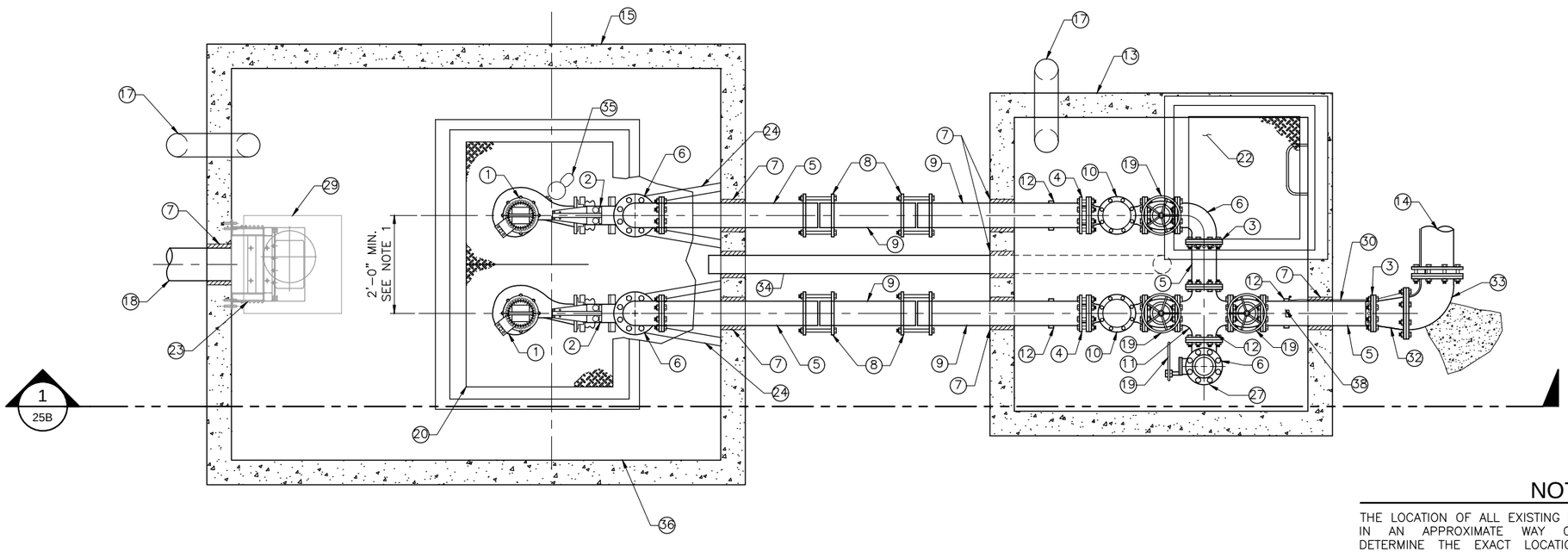
8. ALL BOLTS, NUTS, WASHERS, FASTENERS, ETC. SHALL BE STAINLESS STEEL, TYPE 304 OR 316.

9. INSTALL EXPANSION JOINT MATERIAL BETWEEN CONCRETE STRUCTURES AND ANY CONCRETE SLABS

10. NOT ALL FEATURES ARE SHOWN IN BOTH PLAN AND SECTION VIEWS FOR CLARITY.

KEYED NOTES:

1. 20HP FLYGT SUBMERSIBLE PUMP MODEL NP3153.185-462 UNLESS OTHERWISE APPROVED BY THE CITY
2. 4" PUMP QUICK DISCONNECT DISCHARGE ELBOW AND MOUNTING BASE WITH EPOXY-SET ST.ST. ANCHOR BOLTS, VERIFY SIZE WITH PUMP MFTR.
3. 6" UNI-FLANGE (MEGA-LUG)
4. 6" RESTRAINED FLANGE COUPLING ADAPTER
5. 6" DI PIPE SPOOL (FLxPE)
6. 6" DI 90° LONG RADIUS ELBOW (FLGxFLG)
7. WATERTIGHT WALL PENETRATION, MANHOLE ADAPTER "A-LOK", "KOR-N-SEAL" OR EQUIVALENT. FOR DEPTHS GRATER THAN 15', USE A PENETRATION SEAL THAT IS RATED FOR HIGHER HYDROSTATIC GROUNDWATER PRESSURES SUCH AS "LINK-SEAL".
8. DUAL 6" FLEXIBLE SLEEVE-TYPE PIPE COUPLINGS
9. 6" DI PIPE SPOOL (PExPE)
10. 6" SWING CHECK VALVE (FLGxFLG)
11. 6"x6" DI CROSS (FLG)
12. VALVE/PIPE SUPPORT, SEE DETAIL
13. 6'-0"x6'-0"x6'-6" HIGH PRECAST CONCRETE VALVE VAULT WITH PLASTIC COATED STEPS. 6" MIN. WALL THICKNESS. HS-20 RATED. MODIFY OPENINGS AS REQ'D TO ACCOMMODATE PIPING AND ACCESS HATCH AS SHOWN. COAT EXTERIOR WITH WATERPROOFING TREATMENT.
14. 8" PVC C-900 FORCEMAIN
15. 8'x10' PRECAST CONCRETE WETWELL HS-20 RATED WITH MONOLITHIC BASE. CHECK BUOYANCY CALC'S TO DETERMINE MIN. BASE THICKNESS AND IF WING IS NEEDED. DESIGN PER GEOTECH REPORT. COAT EXTERIOR WITH WATERPROOF TREATMENT.
16. STAINLESS STEEL PUMP REMOVAL SYSTEM, COMPLETE WITH MOUNTING BRACKETS AND INTERMEDIATE SUPPORT BRACES.
17. SCREENED VENT, SEE DETAIL
18. INLET SEWER. A SINGLE INLET SEWER IS PREFERABLE. TO MULTIPLE INLET SEWERS. MINIMIZE CASCADING FLOW INTO WETWELL. ENTRAINED AIR AND TURBULENCE REDUCES EFFICIENCY OF PUMPS.
19. 6" PLUG VALVE WITH HAND WHEEL (FLGxFLG)
20. 36"x60" MIN. ALUMINUM DOUBLE LEAF ACCESS DOOR WITH STAINLESS STEEL HARDWARE AND ORANGE SAFETY GRATE - OPENING DIMENSIONS AND DOOR LOCATION SHALL BE IN ACCORDANCE WITH PUMP MANUFACTURERS REQUIREMENTS. HATCH SHALL BE HS-20 TRAFFIC RATED AND WATER-TIGHT. PROVIDE RECESSED, LOCKABLE HASP COVERED WITH HINGED LID FLUSH WITH SURFACE. INSTALL DOOR SUCH THAT ENTRY SYSTEM IS NOT IN CONFLICT WITH DOOR.
21. STAINLESS STEEL CABLE SUPPORT BRACKET FOR POWER CABLES AND FLOAT SWITCHES, THE BRACKET IS SHOWN SCHEMATICALLY IN THESE DRAWINGS. THE SUPPORT BRACKET NEEDS TO BE LOCATED SO THE CABLES AND FLOATS ARE EASILY ACCESSIBLE FROM THE ACCESS HATCH. FIELD ADJUST TO AVOID CONFLICTS WITH PUMP REMOVAL AND TO OPTIMIZE FLOAT SWITCH PERFORMANCE.
22. 30"x30" MIN. ALUMINUM SINGLE LEAF ACCESS DOOR WITH STAINLESS STEEL HARDWARE. HATCH SHALL BE HS-20 TRAFFIC RATED AND WATER-TIGHT. PROVIDE RECESSED, LOCKABLE HASP COVERED WITH HINGED LID FLUSH WITH SURFACE. INSTALL DOOR SUCH THAT ENTRY SYSTEM IS NOT IN CONFLICT WITH DOOR. PLUMB HATCH RIM DRAIN TO VAULT FLOOR DRAIN.
23. STAINLESS STEEL LIFTING CHAIN OR CABLE (MIN. STRENGTH 6,000 LBS.) WITH S.S. CLEVIS FITTING AT EACH END.
24. THRUST RESTRAINT PIPE SUPPORT, SEE DETAIL.
25. MANHOLE JOINT WITH EXTRUDED BUTYL RUBBER SEAL OR EQUIVALENT. GROUT JOINT INSIDE AND OUT OR VULLCEM 16 JOINT SEALANT CAULKING, TYP.
26. CRUSHED AGGREGATE (¾" MINUS) COMPACTED TO 95% ASTM D-698 OR MODIFIED PROCTOR UNLESS INDICATED OTHERWISE IN GEOTECH REPORT.
27. 6" ALUM. LOCKING CAM-LOCK FITTING WITH PRESSURE CAP. EXTEND THROUGH TOP OF VAULT TO 18" ABOVE GRADE.
28. INSTALL SLIDE RAILS AND ELECTRICAL CONDUIT FOR FUTURE GRINDER. COORDINATE WITH GRINDER SUPPLIER (JWC ENVIRONMENTAL MUFFIN MONSTER MODEL 30005-0012)
29. 2'x2' ALUMINUM ACCESS HATCH FOR FUTURE GRINDER (HS-20 TRAFFIC RATED AND WATER-TIGHT)
30. LOCATING WIRE. PROVIDE SUFFICIENT LENGTH FOR WIRE TO BE PULLED TO GROUND SURFACE.
31. 4" FLAP GATE
32. 8"x6" DI CONCENTRIC REDUCER, (MJxMJ)
33. 8" DI BEND (MJxMJ) WITH THRUST BLOCK
34. 6"ø CAST IRON FLOOR DRAIN, P-TRAP, & 4" PVC DRAIN TO WETWELL SLOPED AT 2% MIN.
35. ITT FLYGT MIX FLUSH VALVE, ONE PUMP ONLY
36. APPLY SPECTRASHIELD LINER (OR APPROVED EQUAL) TO INTERIOR OF WETWELL AFTER ALL JOINTS ARE SEALED AND PIPES ARE INSTALLED.
37. GROUT PLUG (WATER-TIGHT)
38. PRESSURE GAUGE ASSEMBLY (SEE DETAIL 2 OF M-102)
39. 6"x4" CONCENTRIC REDUCER (FLGxFLG)
40. 4" UNI-FLANGE (MEGA-LUG)



1 LIFT STATION - MECHANICAL PLAN
SCALE:3/4"=1'

NOTE

THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES IS SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES

CALL 48 HOURS BEFORE YOU DIG
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PRELIMINARY PLANS

NOT FOR CONSTRUCTION

NO.	DESCRIPTION	BY	APP.	DATE
	REVISION			

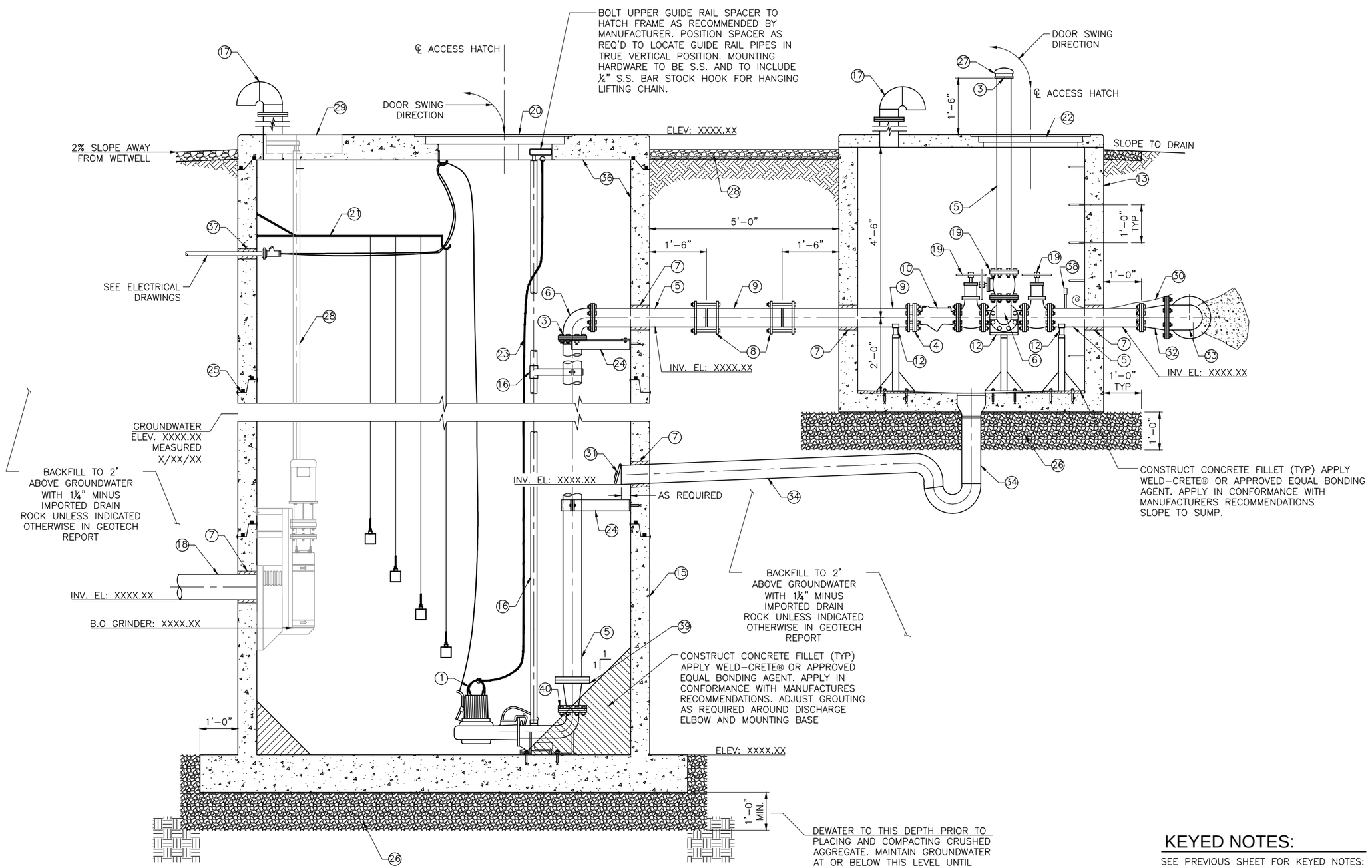
STANDARD LIFT STATION DETAIL
HOOPER CITY

M-101

FILE : LIFT_STATION
JUB PROJ. # : 55-14-044
DRAWN BY: ##
DESIGN BY: ###
CHECKED BY: ###
ONE INCH
AT FULL SIZE, IF NOT ONE INCH, SCALE ACCORDINGLY
LAST UPDATED: 1/26/2018

SHEET NUMBER:
27A

Plot Date:1/26/2018 10:12 AM Plotted By: Jason Miller
Date Created:1/24/2018 F:\STANDARDS\CITY STANDARDS\UPDATED STANDARDS\HOOPER-JUB\LIFT_STATION.DWG



KEYED NOTES:

SEE PREVIOUS SHEET FOR KEYED NOTES: SHEET M-101

1 LIFT STATION-MECHANICAL SECTION
SCALE:3/4"=1'

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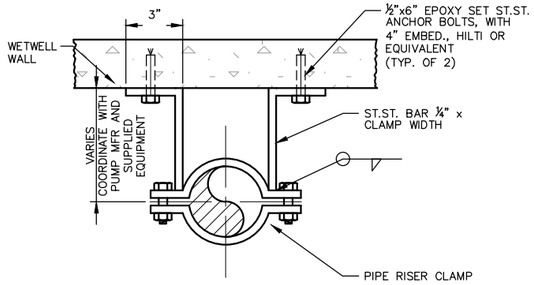
STANDARD LIFT STATION DETAIL
HOOPER CITY

M-102

FILE : LIFT_STATION
JUB PROJ. # : 55-14-044
DRAWN BY: ##
DESIGN BY: ###
CHECKED BY: ###
ONE INCH
AT FULL SIZE. IF NOT ONE INCH, SCALE ACCORDINGLY
LAST UPDATED: 1/26/2018

SHEET NUMBER:
27B

Plot Date:1/26/2018 10:13 AM Plotted By: Jason Miller
Date Created:1/24/2018 F:\STANDARDS\CITY STANDARDS\UPDATED STANDARDS\HOOPER-JUBLIFT_STATION.DWG

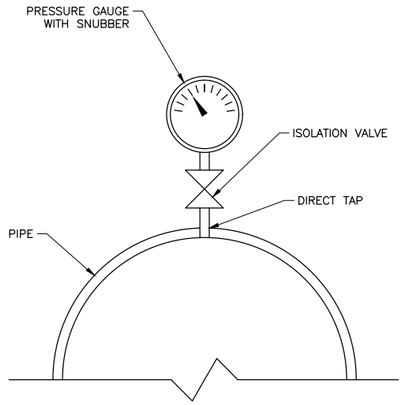


PLAN VIEW

NOTES:

1. MATERIALS TO BE STAINLESS STEEL
2. USE WHERE REQUIRED THRUST RESTRAINT IS MINIMAL.

1 PIPE BRACE DETAIL
SCALE:N.T.S



2 PRESSURE GAUGE ASSEMBLY
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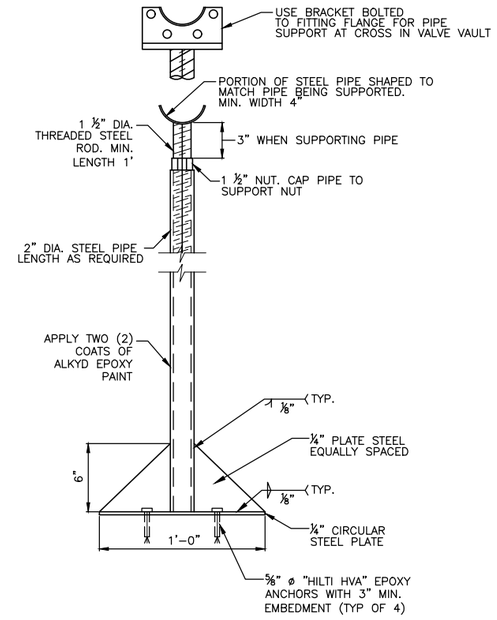
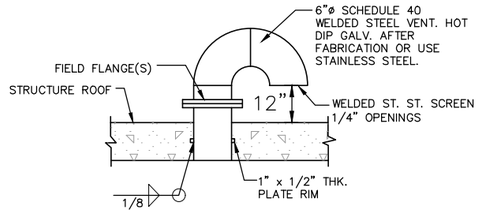
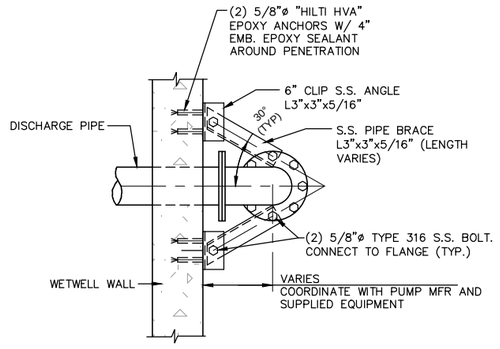


3 TYP. STEEL PIPE SUPPORT DETAIL
SCALE:N.T.S



4 SCREENED VENT DETAIL
SCALE:N.T.S



PLAN VIEW

NOTES:

1. MATERIALS TO BE STAINLESS STEEL
2. TOP SUPPORT MUST PROVIDE THRUST RESTRAINT.

5 THRUST RESTRAINT PIPE SUPPORT DETAIL
SCALE:N.T.S

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STANDARD LIFT STATION DETAIL HOOPER CITY

M-103

FILE : LIFT_STATION
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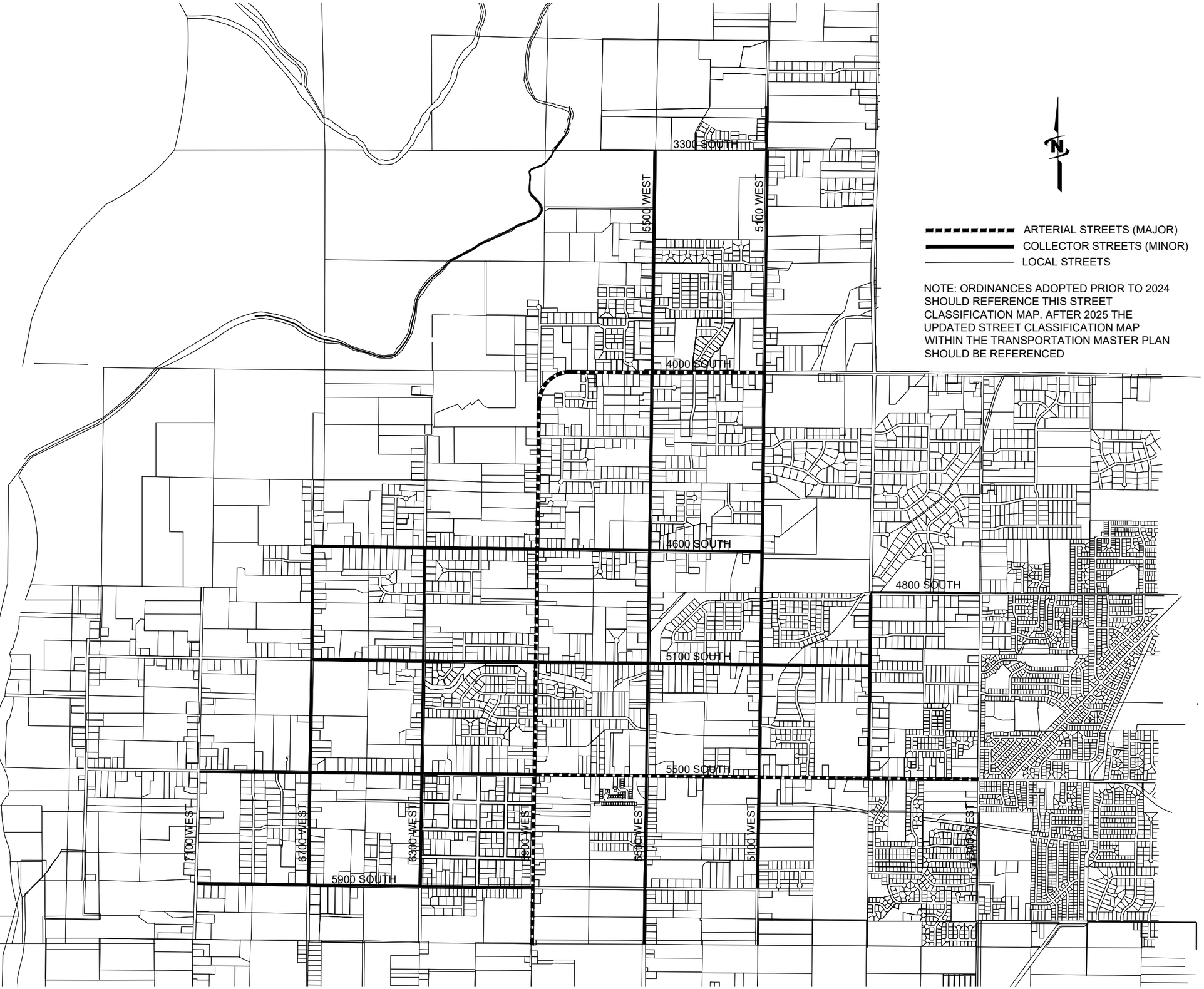

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HOOPER CITY STREET CLASSIFICATION MAP

HOOPER CITY
DEVELOPMENT STANDARDS

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JUB PROJ. # :
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DESIGN BY: TLA
CHECKED BY: TLA

ONE INCH
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Plot Date:4/1/2025 3:40 PM Plotted By: Aaron Macklet
Date Created:4/1/2025 \\JUB.COM\CENTRAL\CLIENTS\UT\HOOPERCITY\RESOURCES\STANDARD DRAWINGS\STREET CLASS MAP.DWG