CITY OF McFARLAND

Tradition • Unity • Excellence

1957

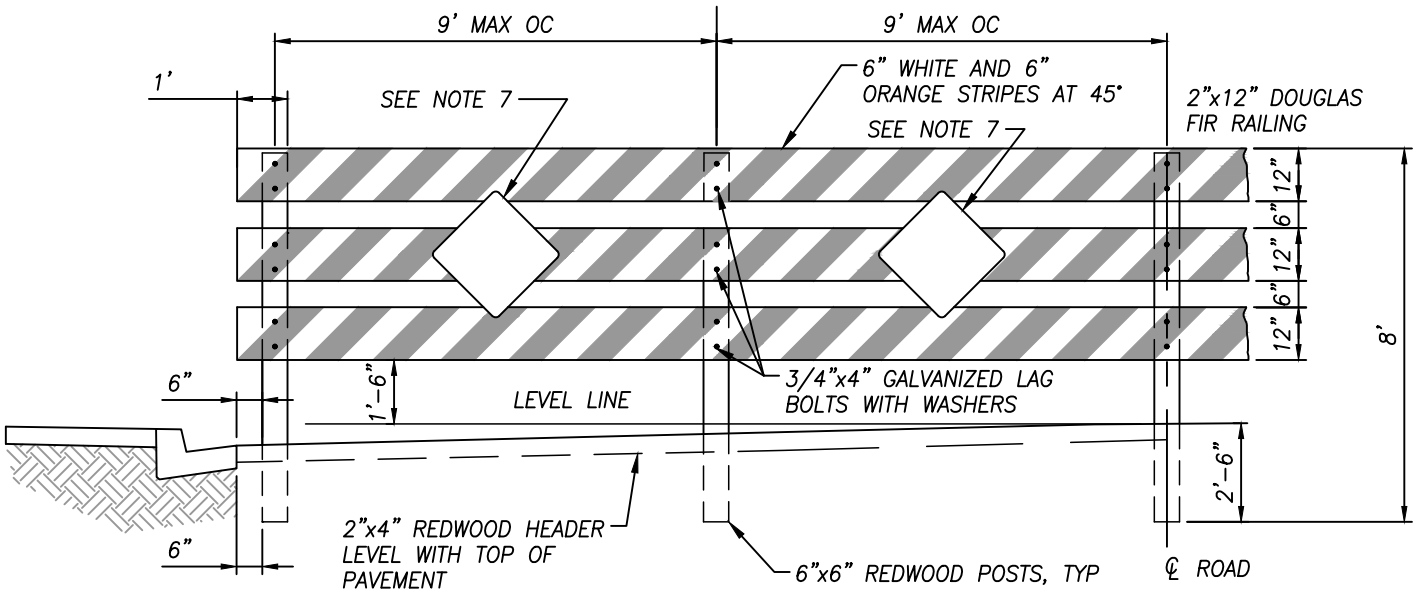
IMPROVEMENT STANDARDS
JUNE 2024

QK

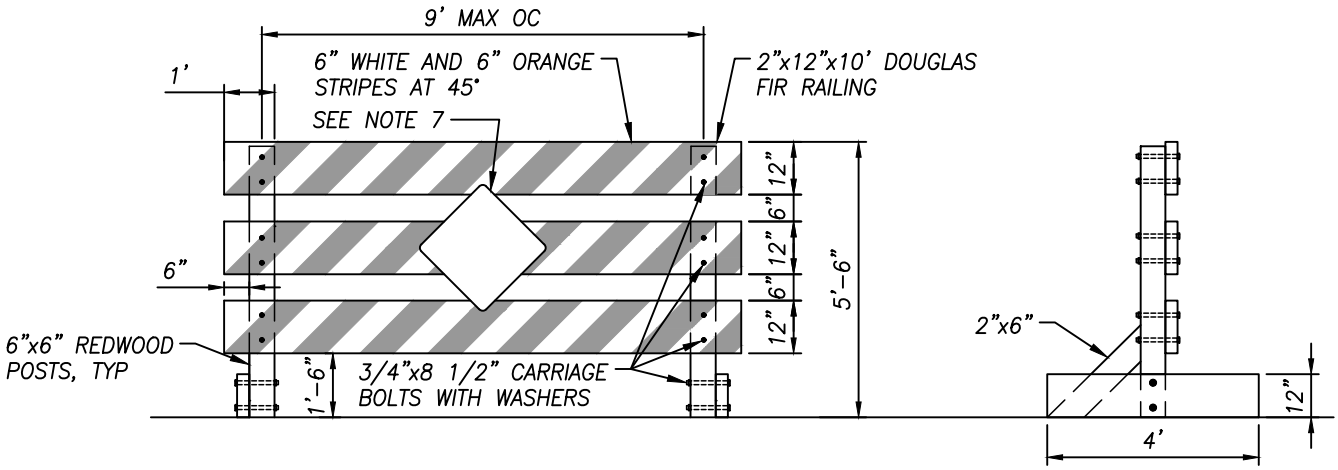
REGISTERED PROFESSIONAL ENGINEER
GREGORY T THOMPSON
NO. 63210
CIVIL
STATE OF CALIFORNIA

TABLE OF CONTENTS
CITY OF McFARLAND IMPROVEMENT STANDARDS

TABLE OF CONTENTS
CITY OF McFARLAND IMPROVEMENT STANDARDS



TEMPORARY TIMBER BARRICADE FOR TYPICAL CONDITIONS

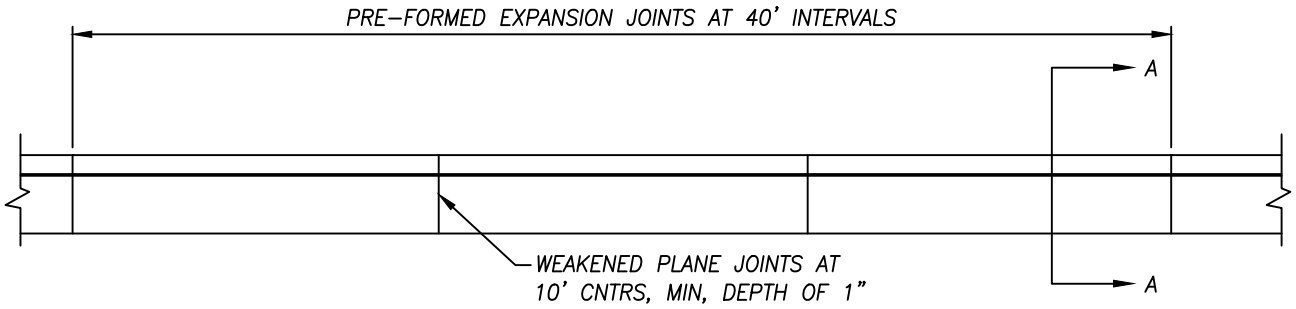


PORTABLE TEMPORARY TIMBER BARRICADE FOR TYPICAL CONDITIONS

NOTES:

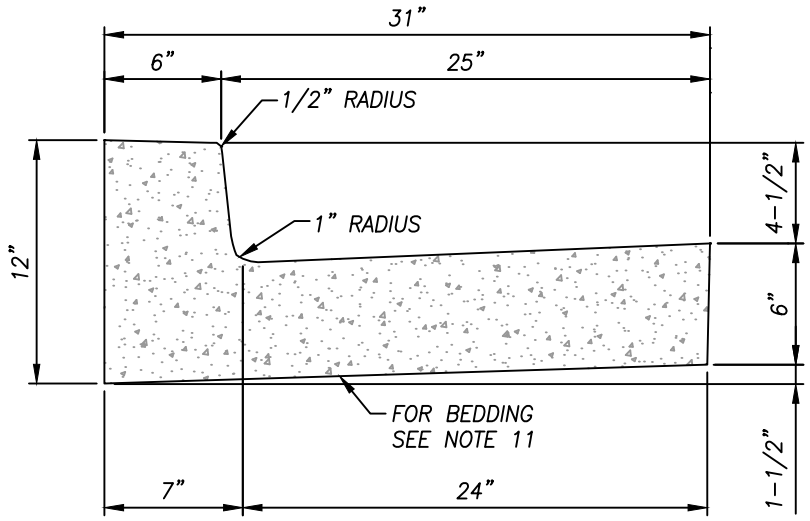
1. PAINT SHALL COMPLETELY SEAL ALL EXPOSED SURFACES OF BARRICADE.
2. BARRICADE SHALL BE EXTENDED ACROSS THE FULL WIDTH OF THE TRAVELED WAY.
3. PERMISSION TO PERFORM REQUIRED SLOPING SHALL BE ACQUIRED FROM THE AFFECTED PROPERTY OWNER IN WRITING PRIOR TO STARTING WORK.
4. BARRICADE SHALL BE PAINTED WITH TWO COATS OF WHITE PAINT. FOLLOWED BY TWO COATS OF ORANGE PAINT FOR STRIPE. PAINT SHALL BE A PREMIUM QUALITY EXTERIOR GLOSS OR SEMI-GLOSS ENAMEL AND SHALL BE PURE WHITE IN COLOR. PAINT SHALL COMPLETELY SEAL ALL EXPOSED SURFACES OF THE BARRICADE. RETROREFLECTIVE STRIPES TO BE INSTALLED TO BARRICADE PER CALTRANS DETAIL A73C.
5. WOOD PRESSURE TREATED WITH A PRESERVATIVE MAY BE SUBSTITUTED FOR REDWOOD MATERIAL.
6. ALL SIGNS SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
7. REFLECTOR SIGNS – CALIFORNIA OM4-1. FASTEN REFLECTOR SIGN TO BARRICADE WITH 3/8" X 1 1/2" GALVANIZED LAG SCREWS WITH WASHERS, MUST BE HIGH INTENSITY REFLECTIVE STANDARD, AND SIGNAGE MUST HAVE ANTI-GRAFFITI COATING.
8. DIAGONAL STRIPES ON BARRICADE SHALL POINT TO THE CENTER OF THE ROADWAY.

SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	TIMBER BARRICADE	STANDARD No. B-1

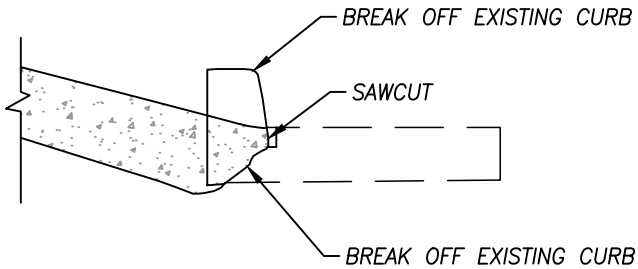


NOTES:

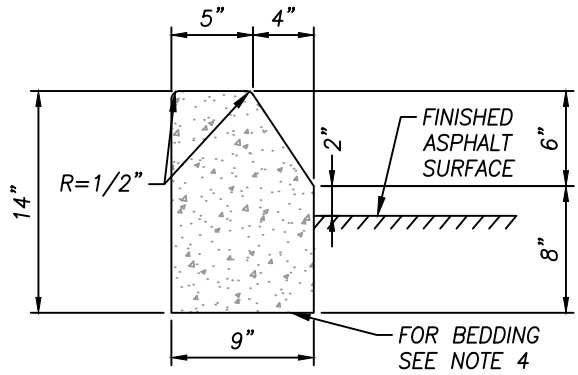
1. 16–18 INCH GUTTER PAN TO BE INSTALLED WHERE SIMILAR EXIST OR AS DIRECTED BY THE CITY ENGINEER.
2. THE MAXIMUM SPACING FOR EXPANSION JOINTS FOR CURB & GUTTER IS 40 FEET.
3. WEAKENED PLANE JOINTS SHALL BE PLACED AT A SPACING OF 10 FEET. FOR CURB & GUTTER.
4. ALL CONCRETE USED IN CURB & GUTTER SHALL BE 2,500 P.S.I. CONCRETE AT 28 DAYS, CONTAINING NOT LESS THAN 505 POUNDS OF PORTLAND CEMENT PER CUBIC YARD WITH 1 INCH AGGREGATE AND 5 INCH MAXIMUM SLUMP.
5. ALL CURB & GUTTER SHALL HAVE A LIGHT BROOM FINISH.
6. GUTTER FLOW SLOPE = 0.2% MINIMUM.
7. BARRIER TYPE CURB & GUTTER ON THE CURVE OF CUL–DE–SACS AND STREET BULBS SHALL HAVE A MINIMUM GRADIENT OF 0.35 FEET PER 100 FEET OR AS APPROVED BY THE CITY ENGINEER.
8. STAMP CURB FACE AT SEWER & WATER LATERAL HOUSE BRANCH LOCATIONS PER CITY SPECIFICATIONS.
9. WHERE ADA ACCESSIBLE PATH CROSSES GUTTER PAN, SLOPE IN DIRECTION OF TRAVEL SHALL BE 4% MAXIMUM.
10. ALL CURB & GUTTER SHALL BE PLACED ON A MINIMUM OF 6 INCHES OF MOIST SAND BASE MATERIALS. 95% MINIMUM RELATIVE COMPACTION.



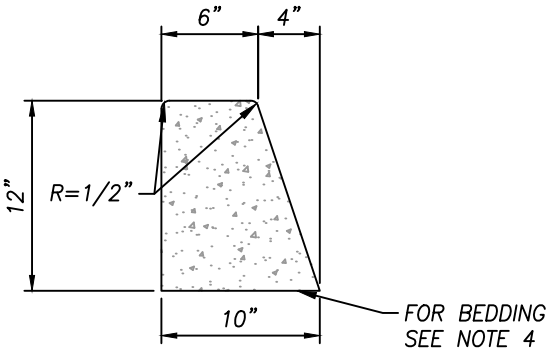
SECTION A–A



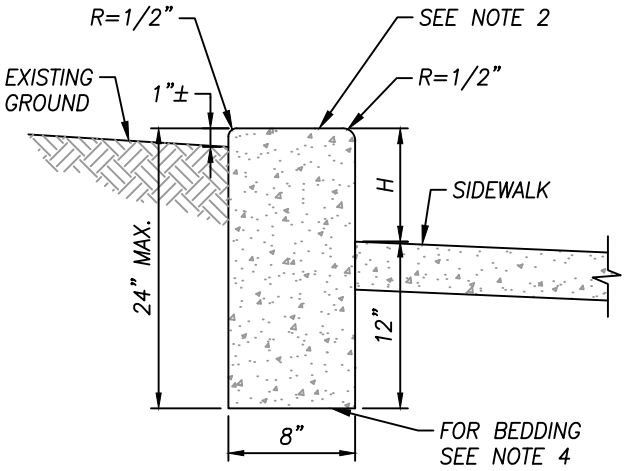
SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	CURB & GUTTER/CURB SAWCUT	STANDARD No. C–1



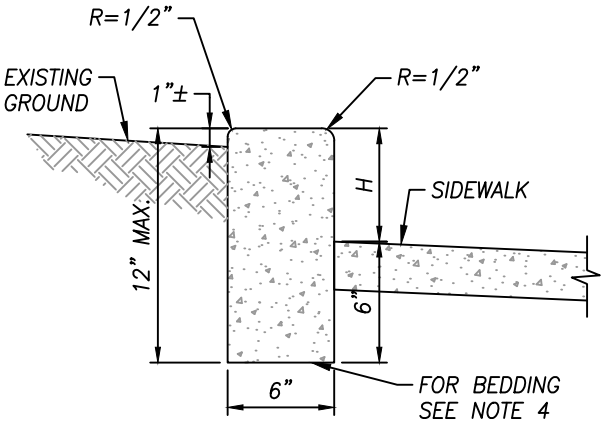
MEDIAN CURB TYPE B1-6
STREET APPLICATIONS



LANDSCAPE CURB
NON-STREET APPLICATIONS



RETAINING CURB
NON-STREET APPLICATIONS
USE WHEN H>6"

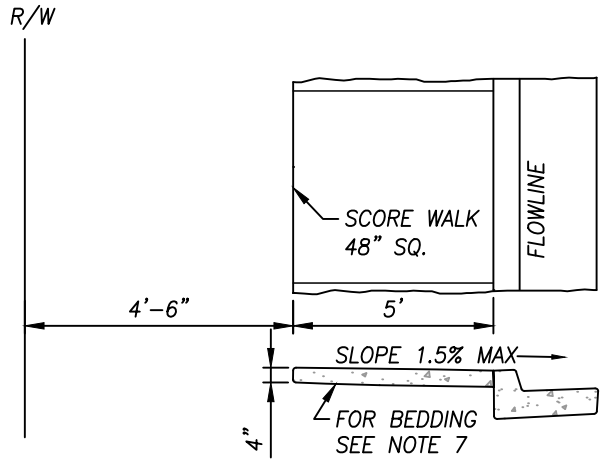


RETAINING CURB
NON-STREET APPLICATIONS
USE WHEN H≤6"

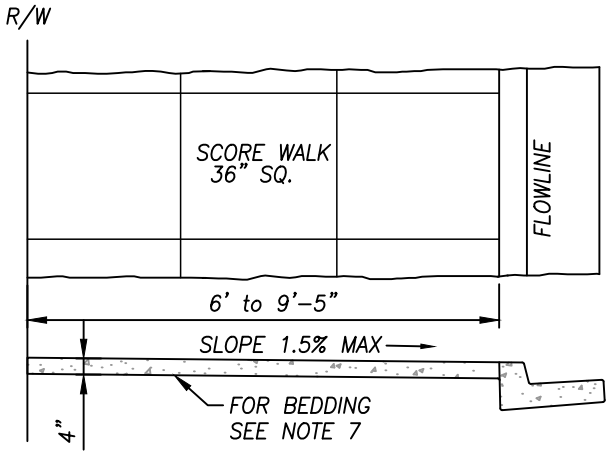
NOTES:

1. ALL CONCRETE SHALL CONTAIN NOT LESS THAN 505 POUNDS OF PORTLAND CEMENT PER CUBIC YARD WITH 1 INCH AGGREGATE. 5 INCH MAXIMUM SLUMP. 2,500 P.S.I. AT 28 DAYS.
2. REBAR SHALL BE USED AT THE DISCRETION OF THE CITY ENGINEER.
3. ALL CURBING SHALL HAVE A LIGHT BROOM FINISH.
4. ALL CURBING SHALL BE PLACED ON A MINIMUM OF 6 INCHES OF MOIST SAND BASE MATERIALS. 95% MINIMUM RELATIVE COMPACTION.

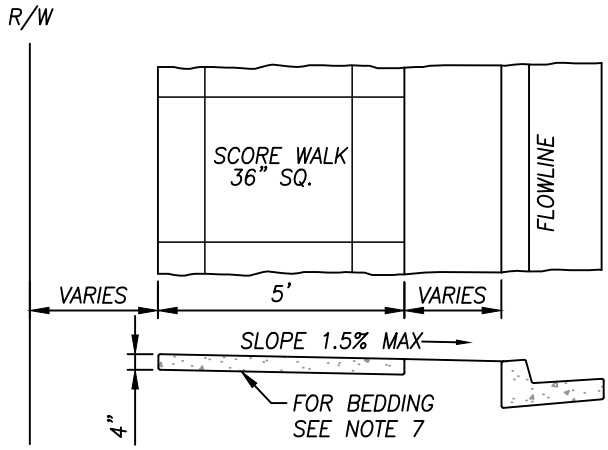
SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	STANDARD CURBING	STANDARD No. C-2



RESIDENTIAL (NEW)

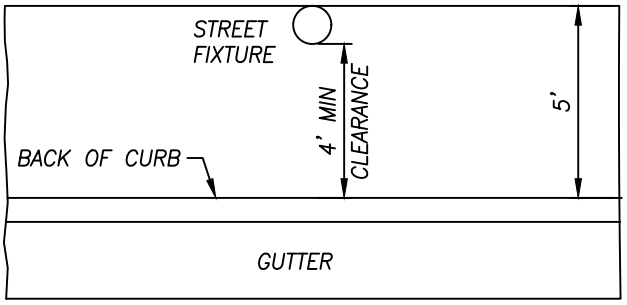


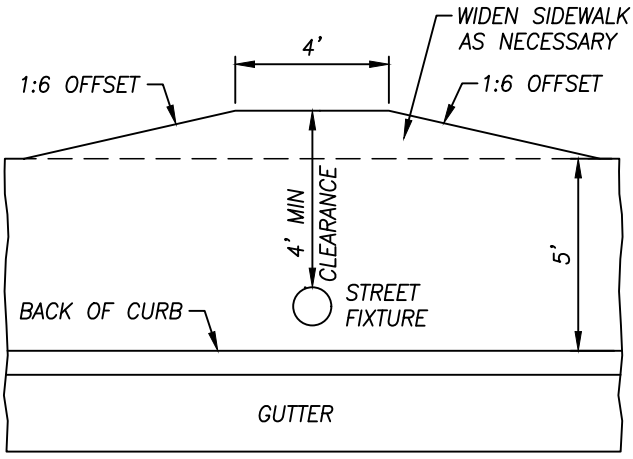
COMMERCIAL & INDUSTRIAL



RESIDENTIAL (OLDER)

PLAN WITH STREET FIXTURE

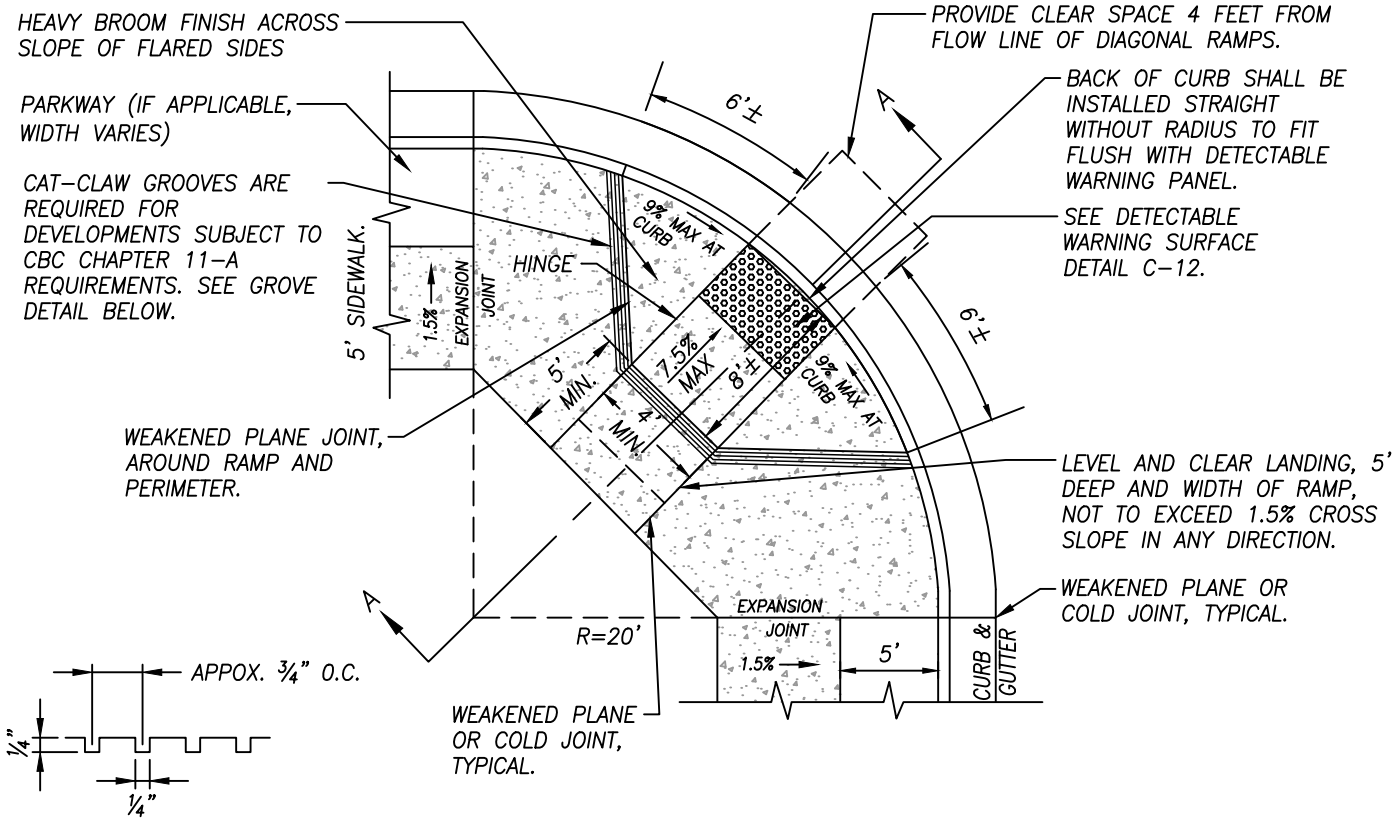




NOTES:

1. CONCRETE SHALL CONTAIN NOT LESS THAN 505 POUNDS OF PORTLAND CEMENT PER CUBIC YARD WITH 1 INCH AGGREGATE. MAXIMUM SLUMP 5 INCHES. 2,500 P.S.I. AT 28 DAYS.
2. EXPANSION JOINTS 1/2 INCH WIDE SHALL BE INSTALLED AT 60 FOOT INTERVALS WITH WEAKENED PLANE JOINTS AT 20 FOOT INTERVALS.
3. CONCRETE SHALL BE STEEL TROWELED AND FINISHED WITH A LIGHT BROOM TEXTURE.
4. ESTABLISHED SIDEWALK PATTERN IN BLOCK TO BE MATCHED.
5. ASPHALT PAVING IS NOT PERMITTED WITHIN SIDEWALK AREA.
6. SPECIAL SIDEWALK DESIGNS AND MATERIALS WILL BE SUBJECT TO APPROVAL BY THE CITY ENGINEER.
7. CONCRETE SIDEWALK TO BE PLACED ON A MINIMUM 6 INCHES OF MOIST SAND BASE MATERIAL. 95% PERCENT RELATIVE COMPACTION.

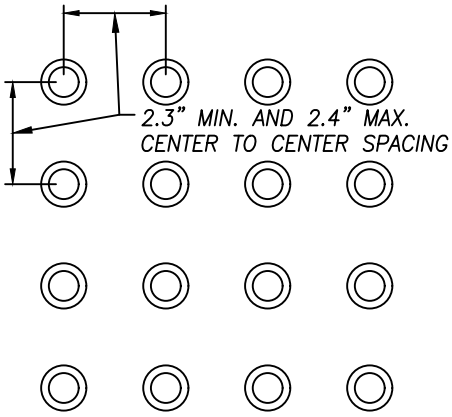
SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	SIDEWALKS	STANDARD No. C-3



NOTES:

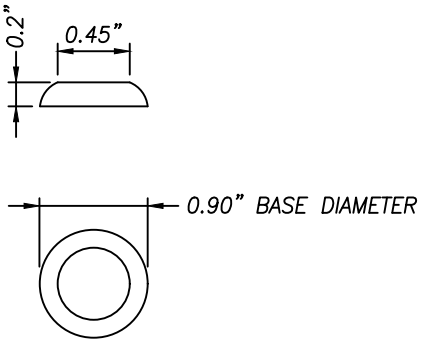
1. CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL CURRENT STATE AND FEDERAL ACCESSIBILITY STANDARDS.
2. WHEN THIS METHOD CAN NOT BE USED. INSTALL RAMP PER CAL-TRANS A88A CASE "C", OR OTHER PER CITY ENGINEER APPROVAL.
3. MEDIUM BROOM-FINISH WITHIN RAMP AND LANDING AREA.
4. THICKEN RAMP 1 INCH UNDER DETECTABLE WARNING SURFACE FOR CAST IN PLACE CONSTRUCTION OPTION.
5. CONSTRUCT RAMP OVER MINIMUM OF 6 INCHES OF MOIST SAND BASE MATERIALS. 95% RELATIVE COMPACTION.
6. DETECTABLE WARNING SURFACE REQUIRED FULL WIDTH & 3 FEET DEPTH OF RAMP PER C-12.
7. MAXIMUM SLOPES OF ADJOINING GUTTERS, THE ROAD SURFACE IMMEDIATELY ADJACENT TO THE CURB RAMP OR ACCESSIBLE ROUTE SHALL NOT EXCEED 4.5% WITHIN 2 FEET OF THE BOTTOM OF THE CURB RAMP.
8. NO CROSS SLOPE IN THE PATH OF TRAVEL TO EXCEED 1.5%.
9. CONCRETE SHALL CONTAIN NOT LESS THAN 505 POUNDS OF PORTLAND CEMENT PER CUBIC YARD WITH 1 INCH AGGREGATE. MAXIMUM 5 INCH SLUMP. 2,500 P.S.I. AT 28 DAYS.
10. MINIMUM 0.65% FLOW LINE SLOPE REQUIRED AROUND RAMP CURB RETURN.

SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	20' RADIUS CURB RETURN WITH SINGLE RAMP	STANDARD No. C-4



NOTE: WHERE INSTALLED IN A RADIAL PATTERN, TRUNCATED DOMES SHALL HAVE A CENTER TO CENTER SPACING OF 1.6" MINIMUM OR 2.4" MAXIMUM OR AS INDICATED PER CURRENT CALIFORNIA BUILDING CODE (CBC).

RAISED TRUNCATED DOME PATTERN

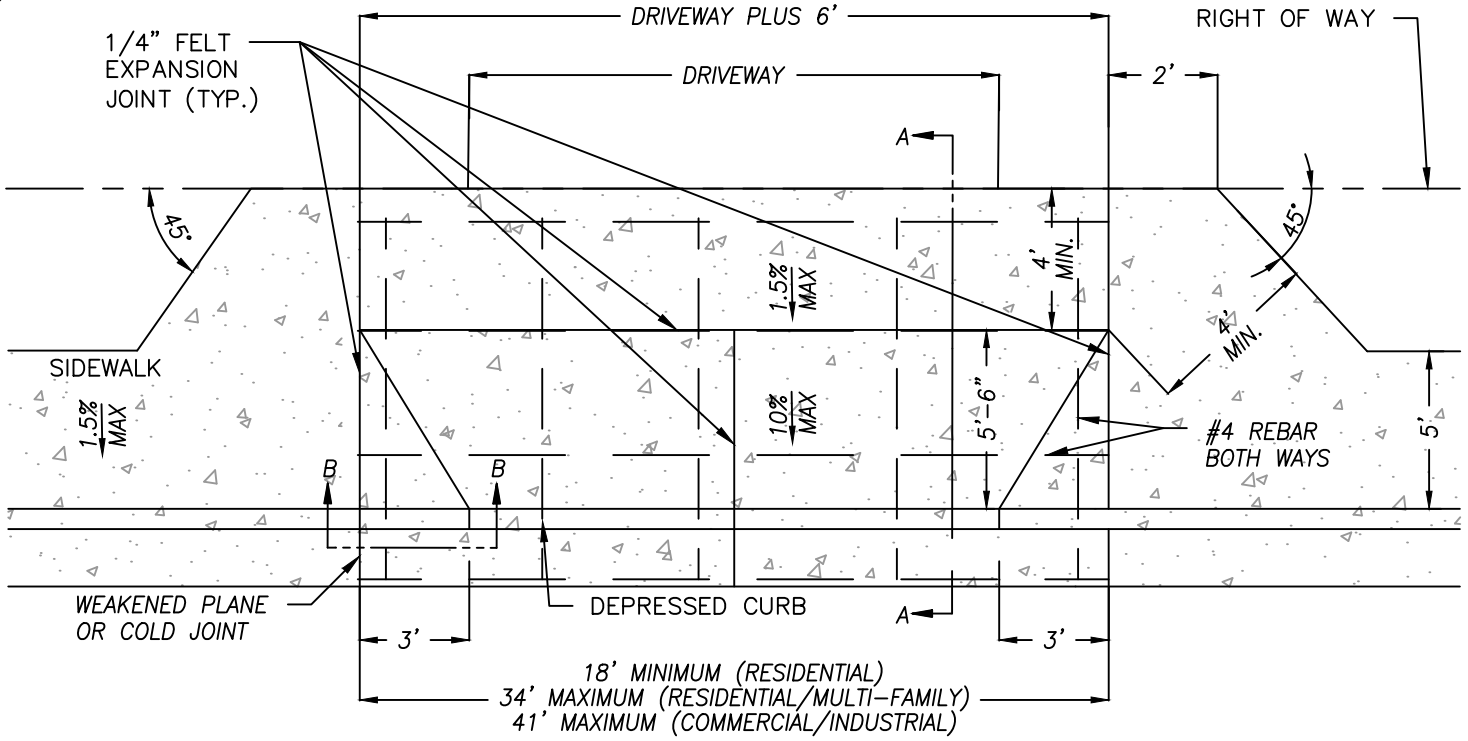


RAISED TRUNCATED DOME

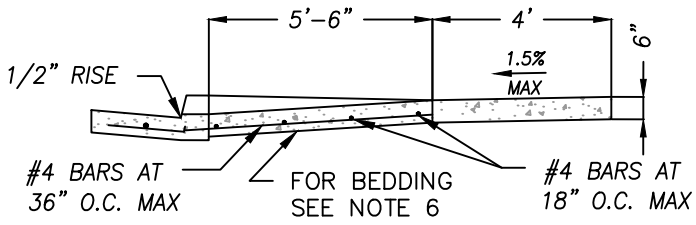
NOTES:

1. DETECTABLE WARNING SURFACE SHALL BE INSTALLED AT THE BOTTOM OF ALL CURB RAMPS.
2. DETECTABLE WARNING SHALL BE INSTALLED SO THAT IT BUTTS UP FLUSH AGAINST THE BACK OF ADJACENT CURB. WHERE CURBS ARE ON A CURVE, THE BACK OF CURB SHALL BE STRAIGHTENED AT THE DETECTABLE WARNING LOCATION SO THE WARNING BUTTS UP FLUSH AGAINST THE BACK OF CURB.
3. DETECTABLE WARNING SURFACE SHALL BE THE FULL WIDTH OF RAMP (LESS 2 INCHES) AND SHALL BE A MINIMUM OF 36 INCHES IN DEPTH.
4. DETECTABLE WARNING SURFACE SHALL BE PREMIXED FEDERAL YELLOW COLORED AND SHALL BE OF AN AUTHORIZED MATERIAL BY THE CITY OF McFARLAND.
5. IN RETROFIT TYPE SITUATIONS ON EXISTING SURFACES THE CITY WILL ALLOW RETROFIT TYPE WARNING PANELS. RETROFIT WARNING PANEL MATERIALS MUST BE SUBMITTED TO THE CITY ENGINEER FOR ACCEPTANCE PRIOR TO CONSTRUCTION. PANELS SHALL BE GLUED AND BOLTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. BOTTOM OF PANELS SHALL BE FLUSH AGAINST THE ADJACENT CONCRETE SURFACE.

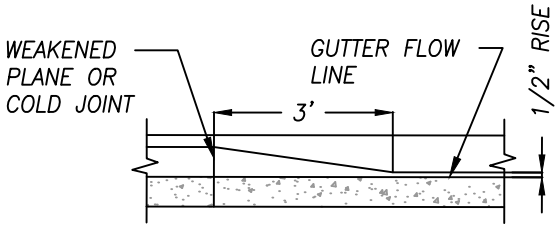
SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	DETECTABLE WARNING SURFACE	STANDARD No. C-5



PLAN



SECTION A–A

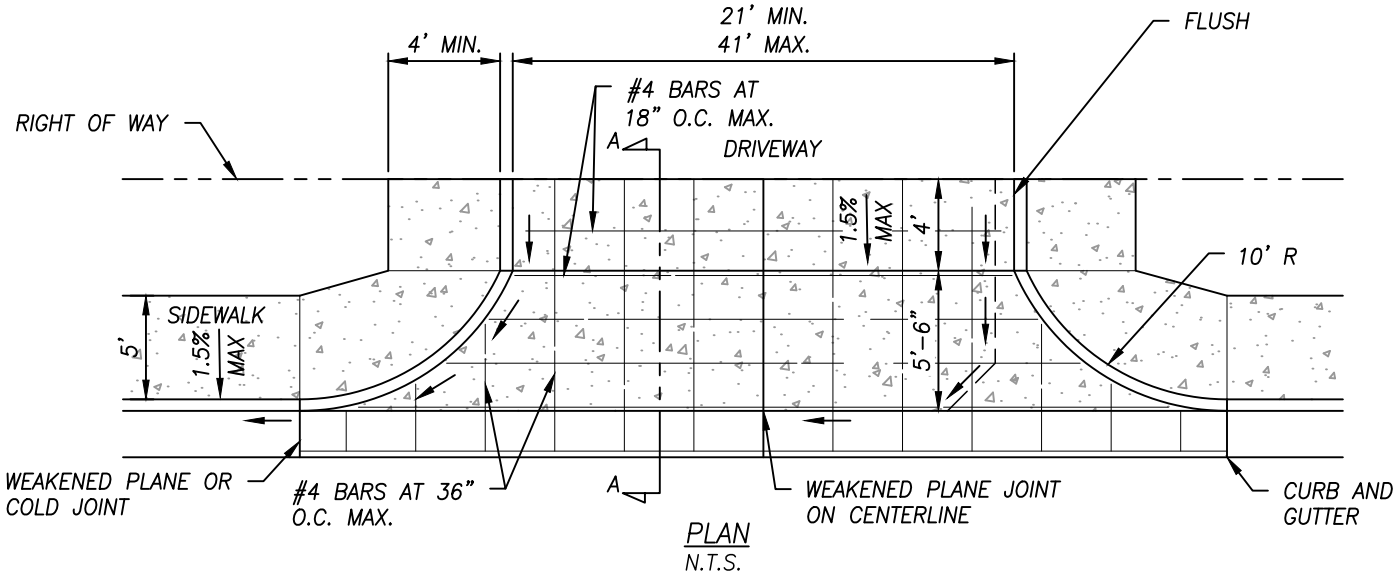


SECTION B–B

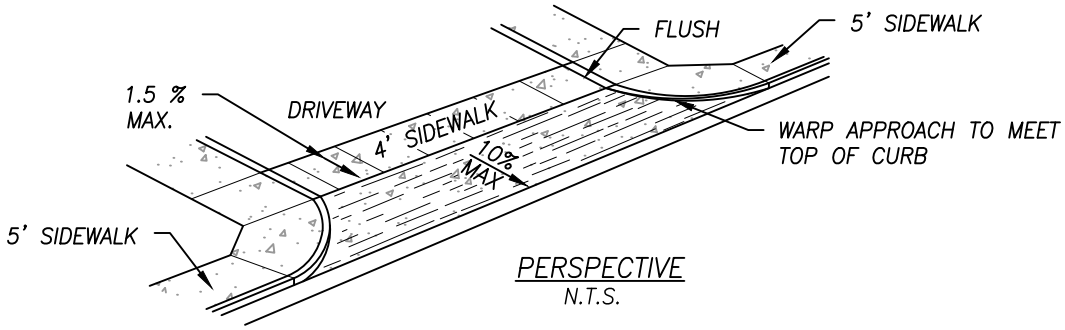
NOTES:

1. REMOVE ENTIRE CURB & GUTTER WHEN RECONSTRUCTION IS REQUIRED.
2. NOT MORE THAN 40% OF LOT FRONTAGE MEASURED AT STREET SIDE (TOP OF CURB BETWEEN LOT LINES EXTENDED) MAY BE USED FOR DRIVEWAY OPENING.
3. ALL CONCRETE FOR DRIVE APPROACH SHALL BE 4,000 P.S.I. CONCRETE AT 28 DAYS. CONTAINING NOT LESS THAN 590 POUNDS OF PORTLAND CEMENT PER CUBIC YARD WITH 1 INCH AGGREGATE AND 5 INCH MAXIMUM SLUMP.
4. DEEP JOINT REQUIRED IN CENTER OF DRIVE APPROACH. MEDIUM BROOM FINISH ON DRIVEWAY APPROACH.
5. DRIVE APPROACH SHALL BE PLACED ON A MINIMUM OF 6 INCHES OF MOIST SAND BASE MATERIALS. 95% MINIMUM RELATIVE COMPACTION.
6. FOR MULTI–FAMILY DRIVE APPROACHES THE MINIMUM WIDTH SHALL BE 21 FEET FOR ONE–WAY DRIVE APPROACHES AND 25 FEET FOR TWO–WAY DRIVE APPROACHES, OR AS APPROVED BY THE CITY ENGINEER.
7. REBAR IS REQUIRED FOR MULTI–FAMILY DRIVE APPROACHES.
8. REBAR SHALL BE DEFORMED STEEL BARS AND SHALL BE GRADE 40 MINIMUM. REBAR SHALL BE FREE OF RUST OR DIRT AND SHALL BE THOROUGHLY CLEANED BEFORE PLACEMENT.
9. REBAR SHALL HAVE A MINIMUM OF 2 INCHES OF CLEAR COVERAGE.

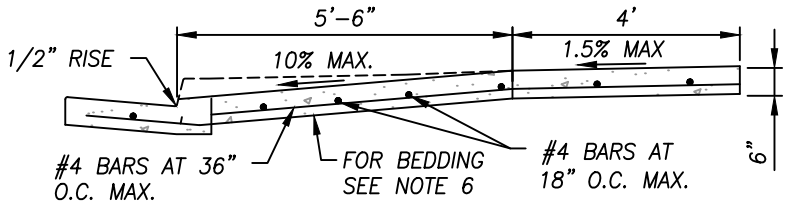
SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	DRIVE APPROACH – RESIDENTAL	STANDARD No. C–6



PLAN
N.T.S.



PERSPECTIVE
N.T.S.

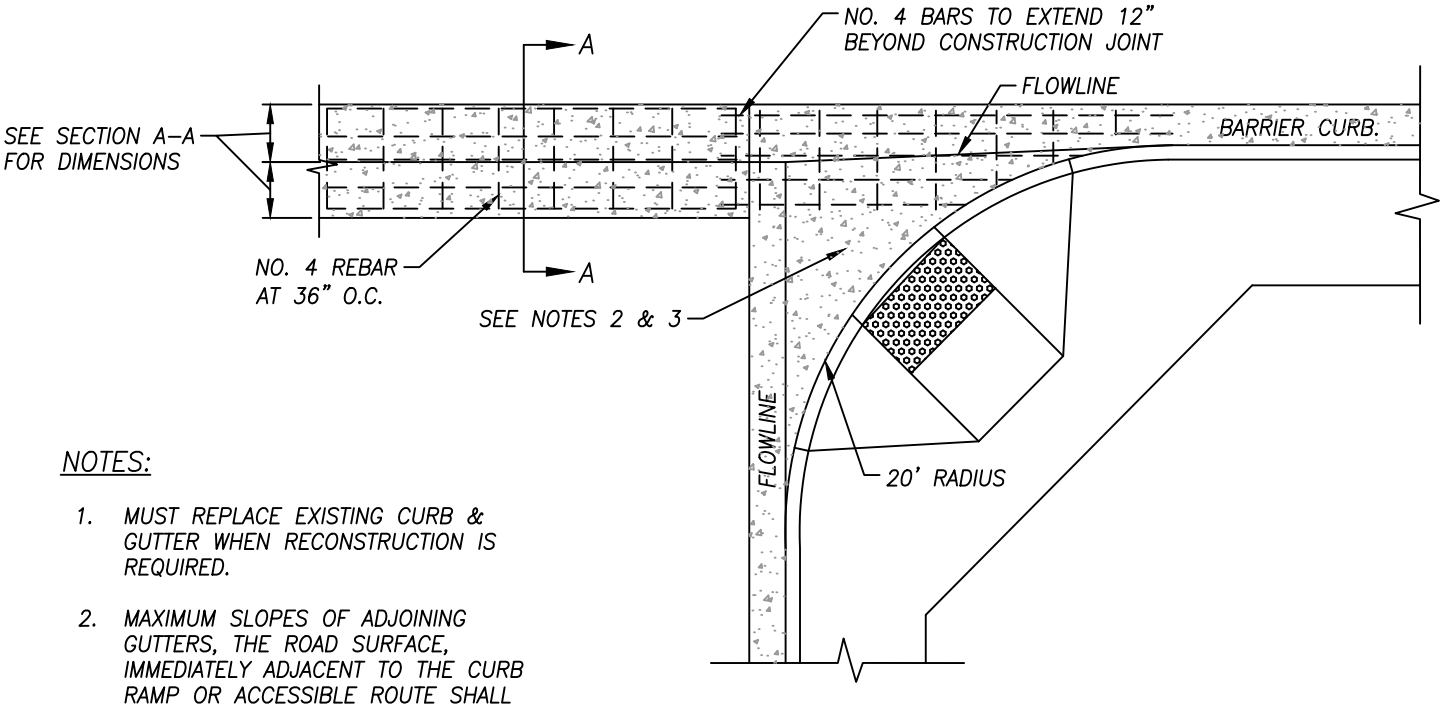


SECTION A-A
N.T.S.

NOTES:

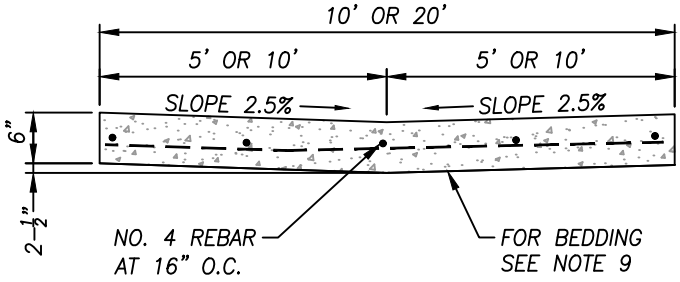
1. MUST REMOVE ENTIRE CURB & GUTTER WHEN RECONSTRUCTION IS REQUIRED.
2. NOT MORE THAN 60% OF LOT FRONTAGE MEASURED AT STREET SIDE (TOP OF CURB BETWEEN LOT LINES EXTENDED) MAY BE USED FOR DRIVEWAY OPENING.
3. ALL CONCRETE FOR DRIVE APPROACH SHALL BE 4,000 P.S.I. CONCRETE AT 28 DAYS. CONTAINING NOT LESS THAN 505 POUNDS OF PORTLAND CEMENT PER CUBIC YARD WITH 1 INCH AGGREGATE AND 5 INCH MAXIMUM SLUMP.
4. DEEP JOINT REQUIRED IN CENTER OF DRIVE APPROACH. BROOM SWEEP FINISH ON DRIVEWAY APPROACH.
5. DETECTABLE WARNING SURFACE SHALL BE INSTALLED ON EACH SIDE OF COMMERCIAL AND INDUSTRIAL DRIVE APPROACHES.
6. DRIVE APPROACH SHALL BE PLACED ON A MINIMUM OF 6 INCHES OF MOIST SAND BASE MATERIALS. 95% MINIMUM RELATIVE COMPACTION.
7. FOR COMMERCIAL, AND INDUSTRIAL DRIVE APPROACHES THE MINIMUM WIDTH SHALL BE 21 FEET FOR ONE-WAY DRIVE APPROACHES AND 25 FEET FOR TWO-WAY DRIVE APPROACHES, OR AS APPROVED BY THE CITY ENGINEER.
8. REBAR IS REQUIRED FOR COMMERCIAL, AND INDUSTRIAL DRIVE APPROACHES.
9. REBAR SHALL BE DEFORMED STEEL BARS AND SHALL BE GRADE 40 MINIMUM. REBAR SHALL BE FREE OF RUST OR DIRT AND SHALL BE THOROUGHLY CLEANED BEFORE PLACEMENT.
10. REBAR SHALL HAVE A MINIMUM OF 2 INCHES OF CLEAR COVERAGE.

SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	DRIVE APPROACH- COMMERCIAL/INDUSTRIAL	STANDARD No. C-7



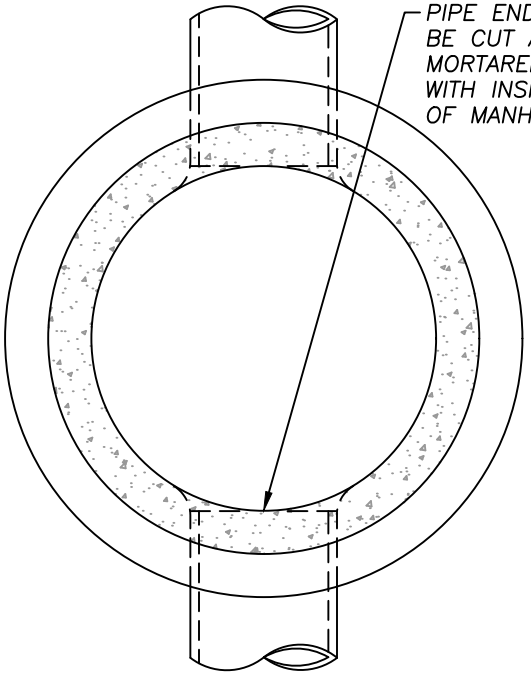
NOTES:

1. MUST REPLACE EXISTING CURB & GUTTER WHEN RECONSTRUCTION IS REQUIRED.
2. MAXIMUM SLOPES OF ADJOINING GUTTERS, THE ROAD SURFACE, IMMEDIATELY ADJACENT TO THE CURB RAMP OR ACCESSIBLE ROUTE SHALL NOT EXCEED 4.5% WITHIN 2 FEET OF THE BOTTOM OF THE CURB RAMP.
3. CROSS SLOPE IN THE PEDESTRIAN ACCESS ROUTE TO SHALL NOT EXCEED 1.5%.
4. CONCRETE SHALL CONTAIN NOT LESS THAN 590 POUNDS OF PORTLAND CEMENT PER CUBIC YARD WITH 1 INCH AGGREGATE. 5 INCH MAXIMUM SLUMP. 4,000 P.S.I. AT 28 DAYS.
5. REBAR SHALL BE DEFORMED STEEL BARS AND SHALL BE GRADE 40 MINIMUM. REBAR SHALL BE FREE OF RUST, PLACED AS SHOWN, AND SHALL HAVE A MINIMUM 2 INCHES OF CLEAR COVERAGE.
6. SHALL HAVE A LIGHT BROOM FINISH.
7. GUTTER FLOW LINE SHALL BE WATER TESTED FOR FLOW.
8. CONTINUOUS CONCRETE CROSS GUTTER TO HAVE MINIMUM SLOPE OF 0.4%.
9. CONCRETE CROSS GUTTER SHALL BE PLACED ON A MINIMUM OF 6 INCHES OF CLASS 2 AGGREGATE BASE AND A MINIMUM OF 6 INCHES OF COMPACTED NATIVE SOIL. 95% MINIMUM RELATIVE COMPACTION FOR BOTH.



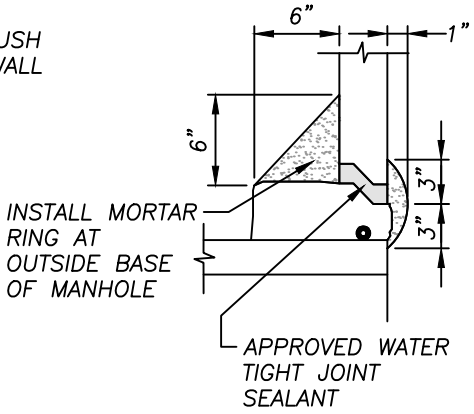
SECTION A–A

SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	CONCRETE CROSS GUTTER	STANDARD No. C–8

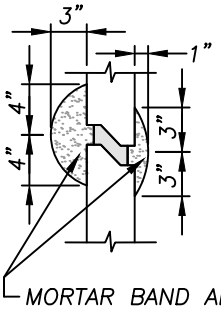


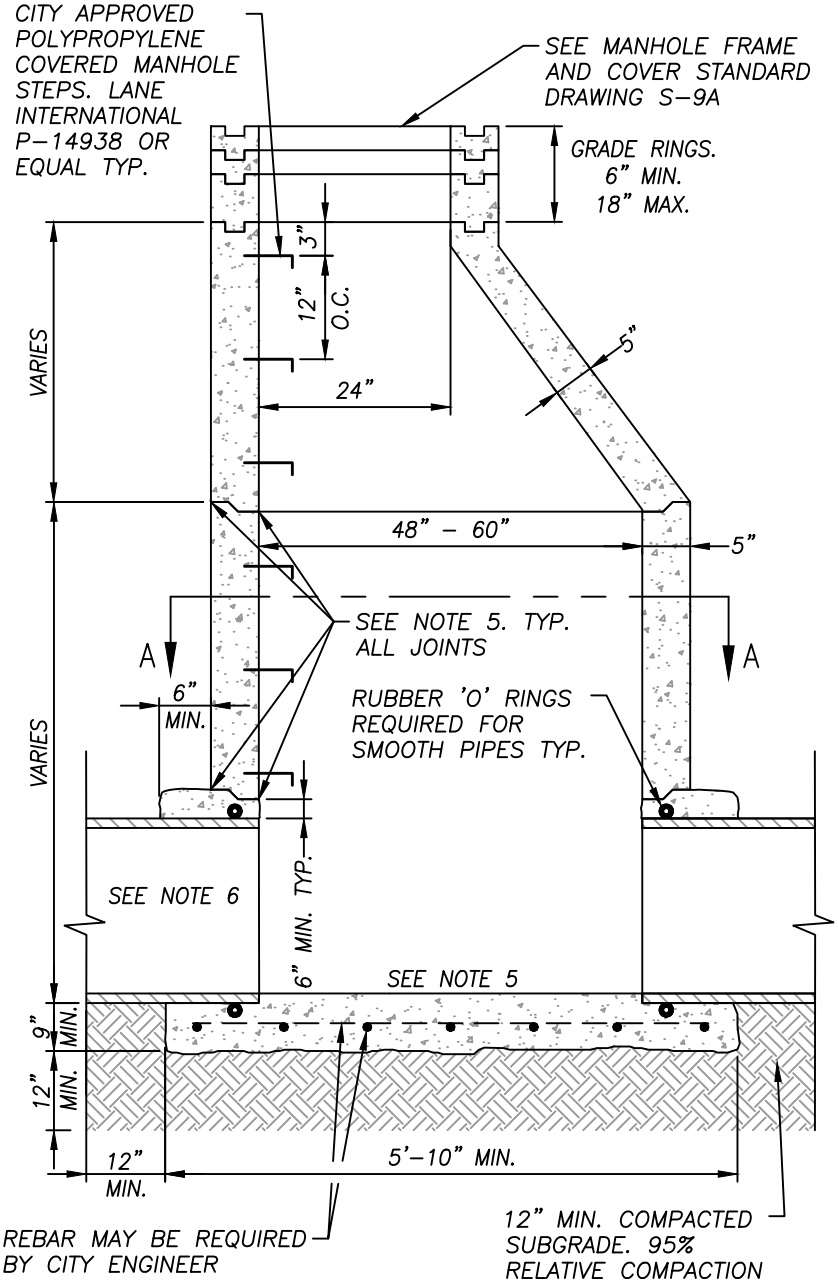
SECTION A–A

DETAIL 1



DETAIL 2

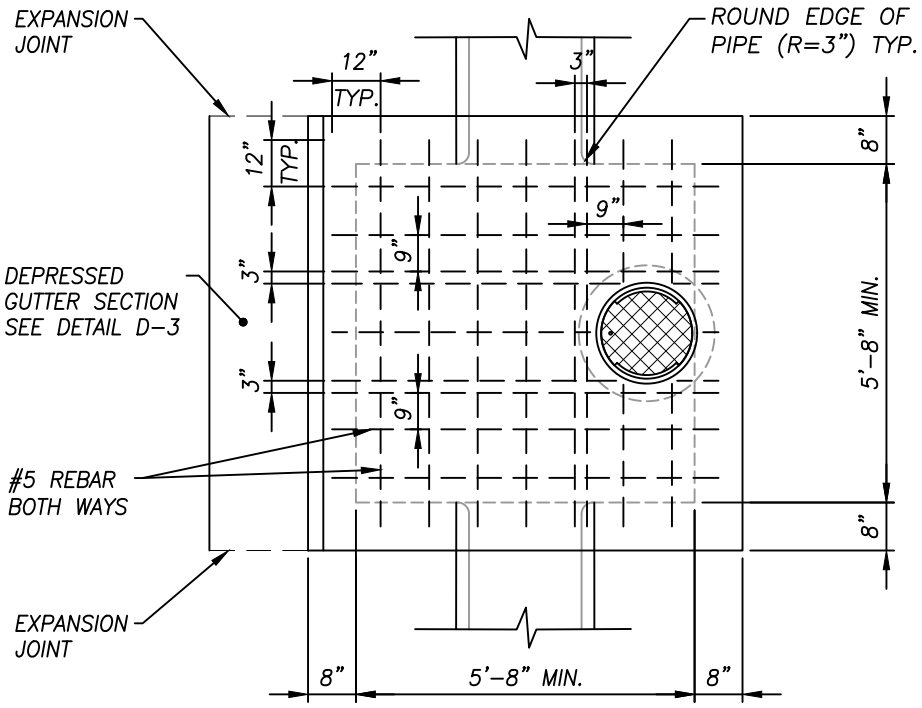




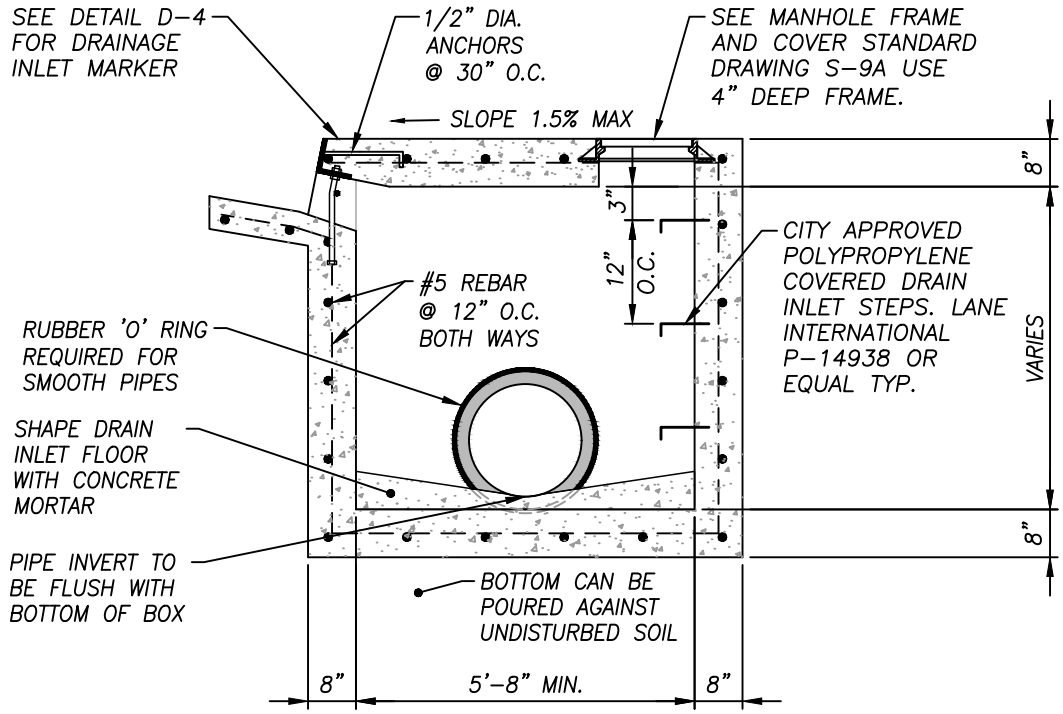
NOTES:

1. ALL CONCRETE SHALL BE 590 LBS, 1 INCH AGGREGATE, 5 INCHES MAX SLUMP, 4,000 P.S.I. AT 28 DAYS.
2. MANHOLE PIPE, CONE AND GRADE RINGS SHALL BE PRECAST REINFORCED CONCRETE AS PER ASTM C478.
3. JOINTS SHALL BE RUBBER GASKET AS PER ASTM C443 OR JOINTS SHALL BE CONSTRUCTED WITH MASTIC (KENT SEAL NO. 2 OR EQUAL) AS PER ASTM C990 AT CONTRACTOR'S OPTION. MASTIC SHALL COVER A MINIMUM OF ONE–HALF THE COMPRESSED SURFACE. ALL JOINTS SHALL BE WATER TIGHT.
4. MAXIMUM DISTANCE BETWEEN MANHOLES SHALL BE 500 FEET OR AS REQUIRED BY THE CITY ENGINEER.
5. MORTAR BAND ALL THE WAY AROUND EXTERIOR AND INTERIOR OF ALL MANHOLE JOINTS. SEE DETAILS 1 AND 2.
6. 48 INCHES MANHOLES ARE REQUIRED FOR STORM DRAIN PIPE SIZES FROM 12 INCHES TO 24 INCHES OR AS REQUIRED BY THE CITY ENGINEER.
6. 60 INCHES MANHOLES ARE REQUIRED FOR STORM DRAIN PIPE SIZES FROM 27 INCHES TO 36 INCHES OR AS REQUIRED BY THE CITY ENGINEER.
7. EXFILTRATION TEST REQUIRED AS PER ASTM C969–02, AS IMPLEMENTED BY CITY OF McFARLAND.

SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	STORM DRAIN MANHOLE	STANDARD No. D–1



PLAN VIEW

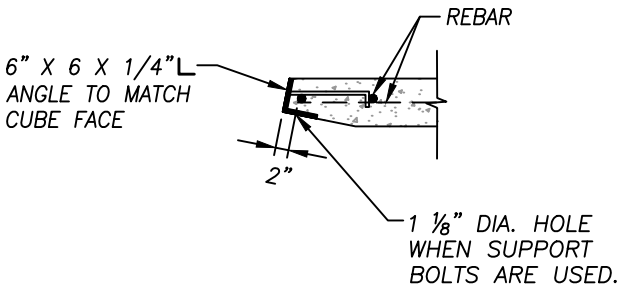


SECTION VIEW

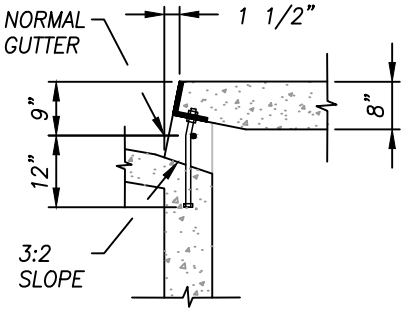
NOTES:

1. METAL HARDWARE SHALL BE HOT DIPPED GALVANIZED.
2. CONCRETE DRAINAGE INLET SHALL BE 3,000 P.S.I. CONCRETE AT 28 DAYS. CONTAINING NOT LESS THAN 590 POUNDS OF PORTLAND CEMENT PER CUBIC YARD WITH 1 INCH AGGREGATE AND 5 INCH MAXIMUM SLUMP.
3. MINIMUM 3 INCHES CLEARANCE BETWEEN SURFACES AND REBAR.

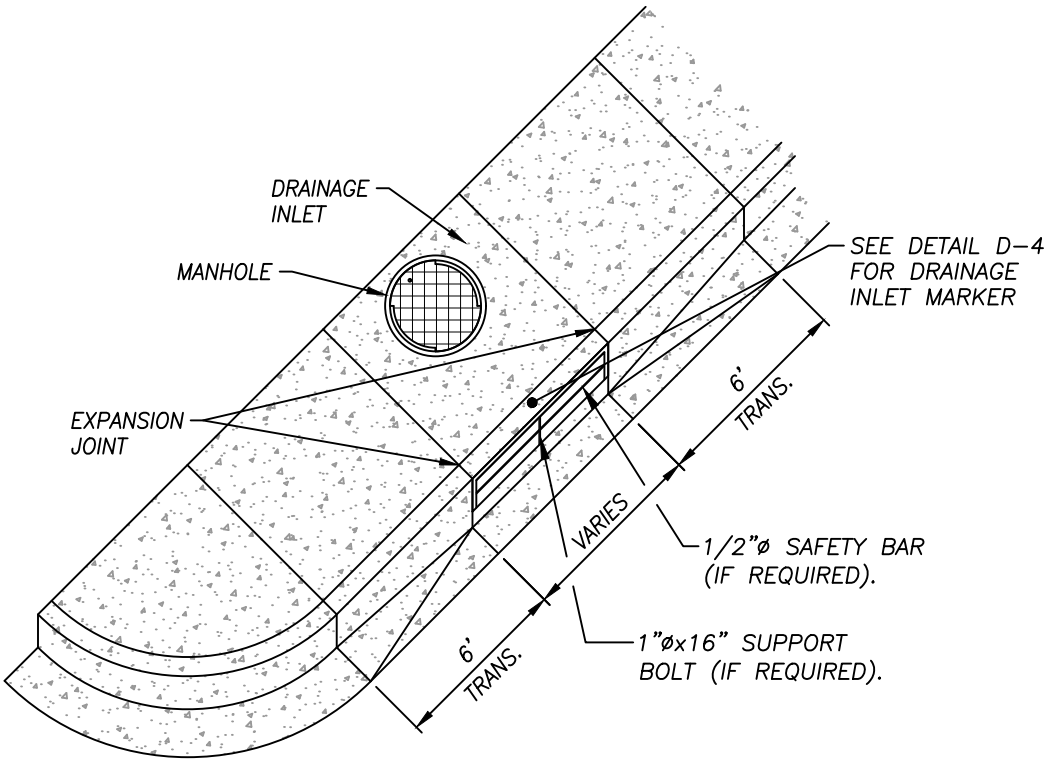
SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	DRAINAGE INLET	STANDARD No. D-2



CURB ANGLE DETAIL



INLET DETAIL

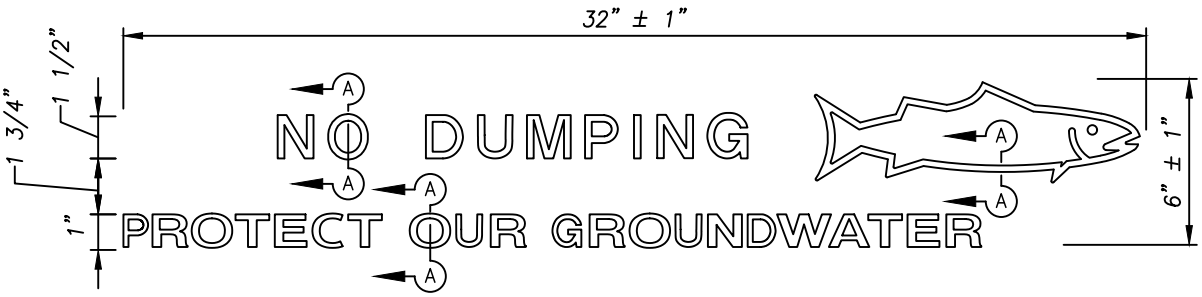


GUTTER DEPRESSION DETAIL

NOTES:

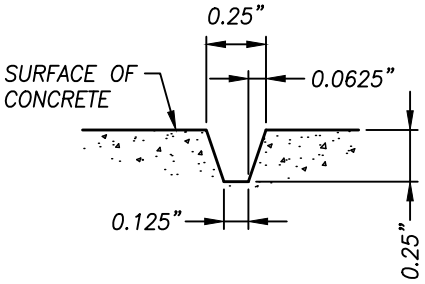
1. METAL HARDWARE SHALL BE HOT DIPPED GALVANIZED.
2. CONCRETE DRAINAGE INLET SHALL BE 3,000 P.S.I. CONCRETE AT 28 DAYS. CONTAINING NOT LESS THAN 590 POUNDS OF PORTLAND CEMENT PER CUBIC YARD WITH 1 INCH AGGREGATE AND 5 INCH MAXIMUM SLUMP.
3. MINIMUM 3 INCHES CLEARANCE BETWEEN SURFACES AND REBAR.
4. FOR MANHOLE, SEE MANHOLE FRAME AND COVER STANDARD DRAWING S-9A USE 4" DEEP FRAME.
5. DRAINAGE INLET STRUCTURE TOP, BOTTOM, AND SIDES ARE REINFORCED 8" THICK CONCRETE.

SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	DRAINAGE INLET FRAME	STANDARD No. D-3



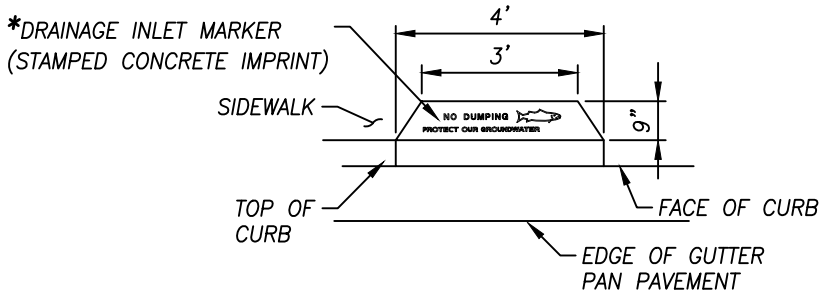
PLAN

DRAINAGE INLET MARKER
(STAMPED CONCRETE IMPRINT)



SECTION A–A

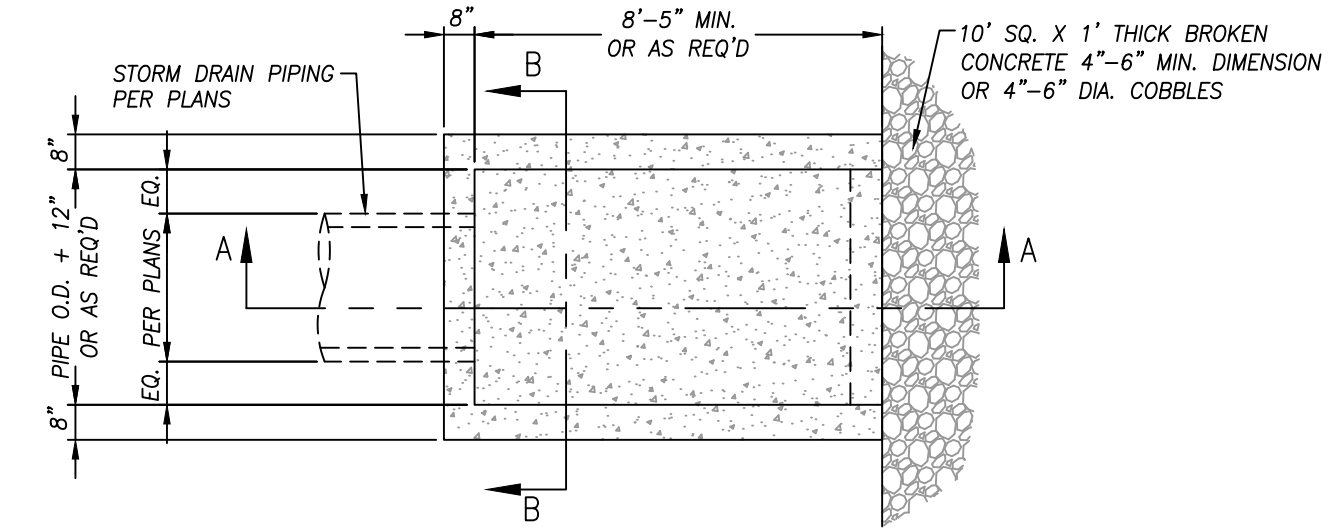
STAMPED CONCRETE IMPRINT DETAIL



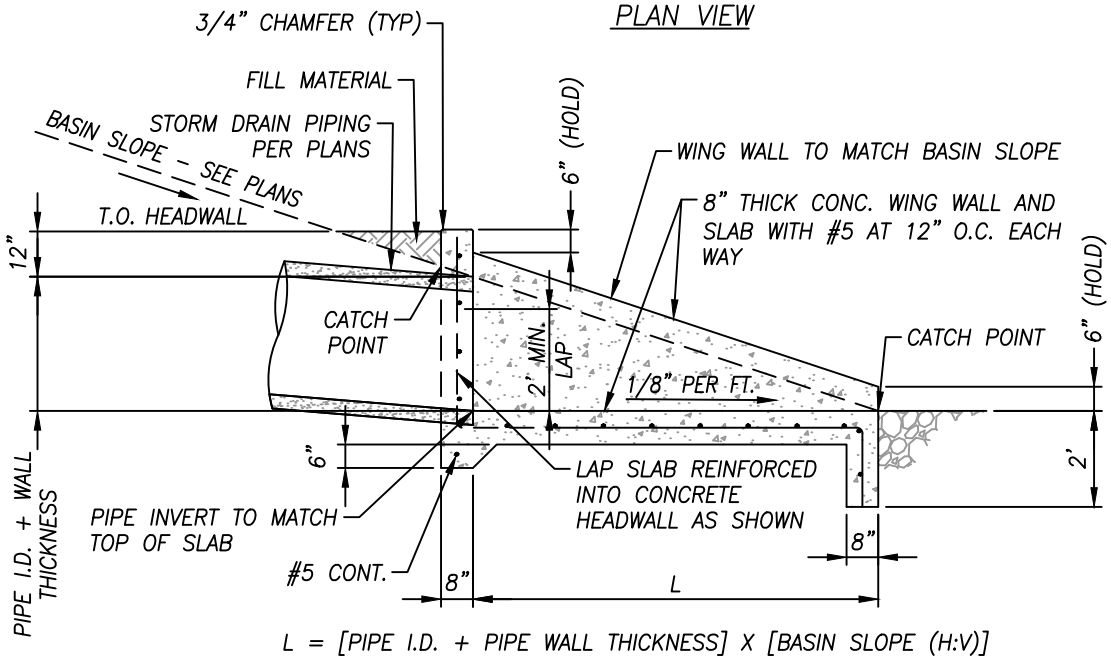
*PLACE 4" THICK CONCRETE AREA FOR IMPRINT WHERE REQUIRED. TO BE PLACED AT TIME OF DRAINAGE INLET CONSTRUCTION.

DRAINAGE INLET MARKER ON DRAINAGE INLET

SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	DRAINAGE INLET MARKER	STANDARD No. D–4

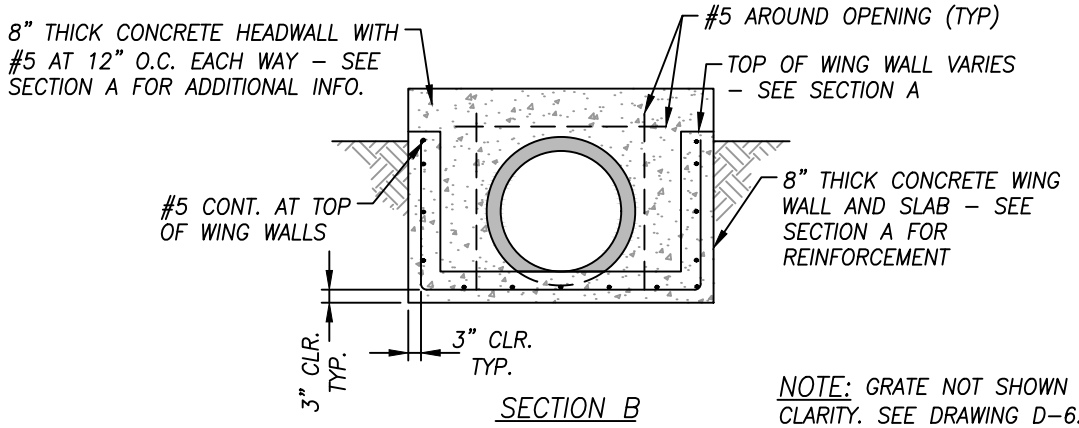


PLAN VIEW



L = [PIPE I.D. + PIPE WALL THICKNESS] X [BASIN SLOPE (H:V)]

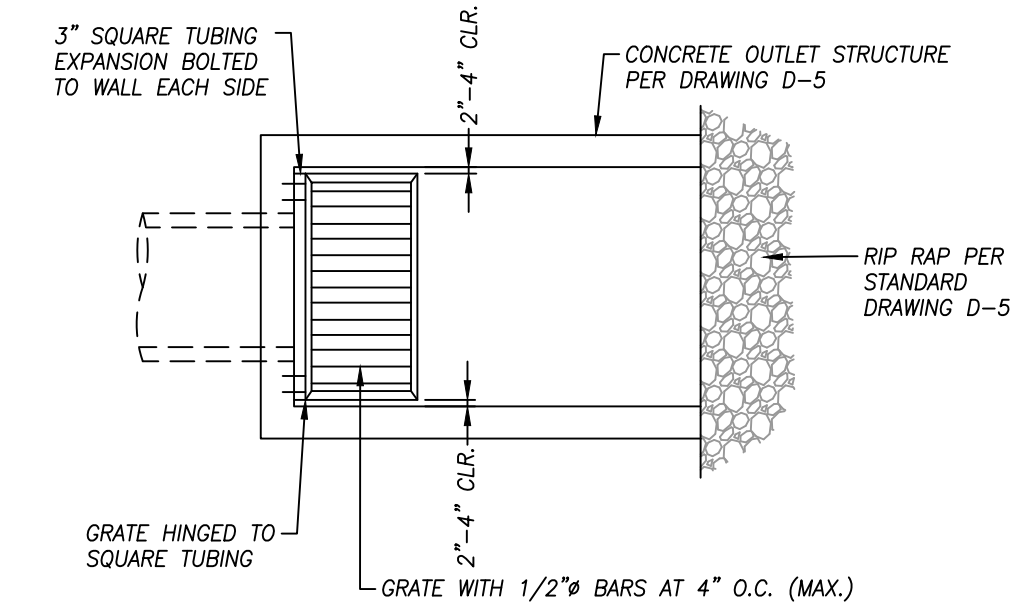
SECTION A



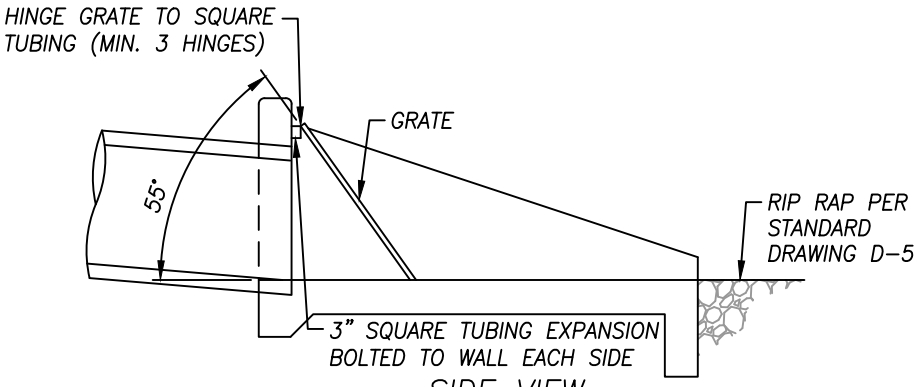
SECTION B

NOTE: GRATE NOT SHOWN FOR CLARITY. SEE DRAWING D-6.

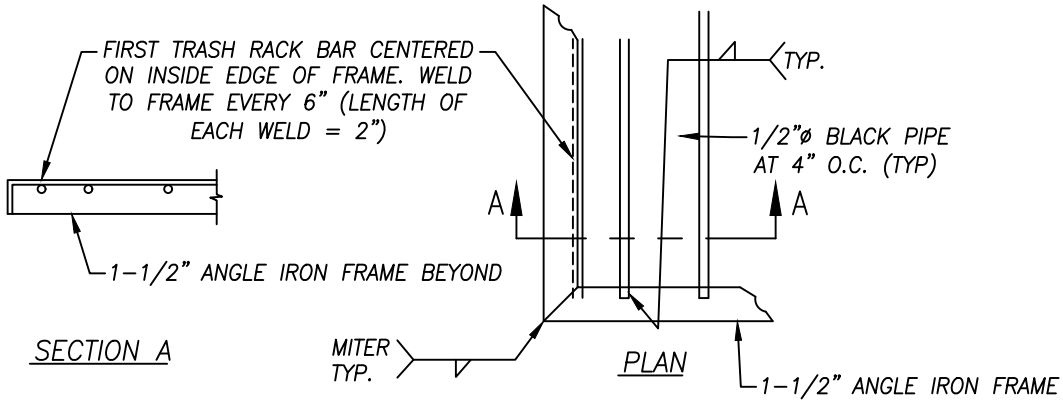
SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	CAST-IN-PLACE OUTLET STRUCTURE	STANDARD No. D-5



PLAN VIEW



SIDE VIEW

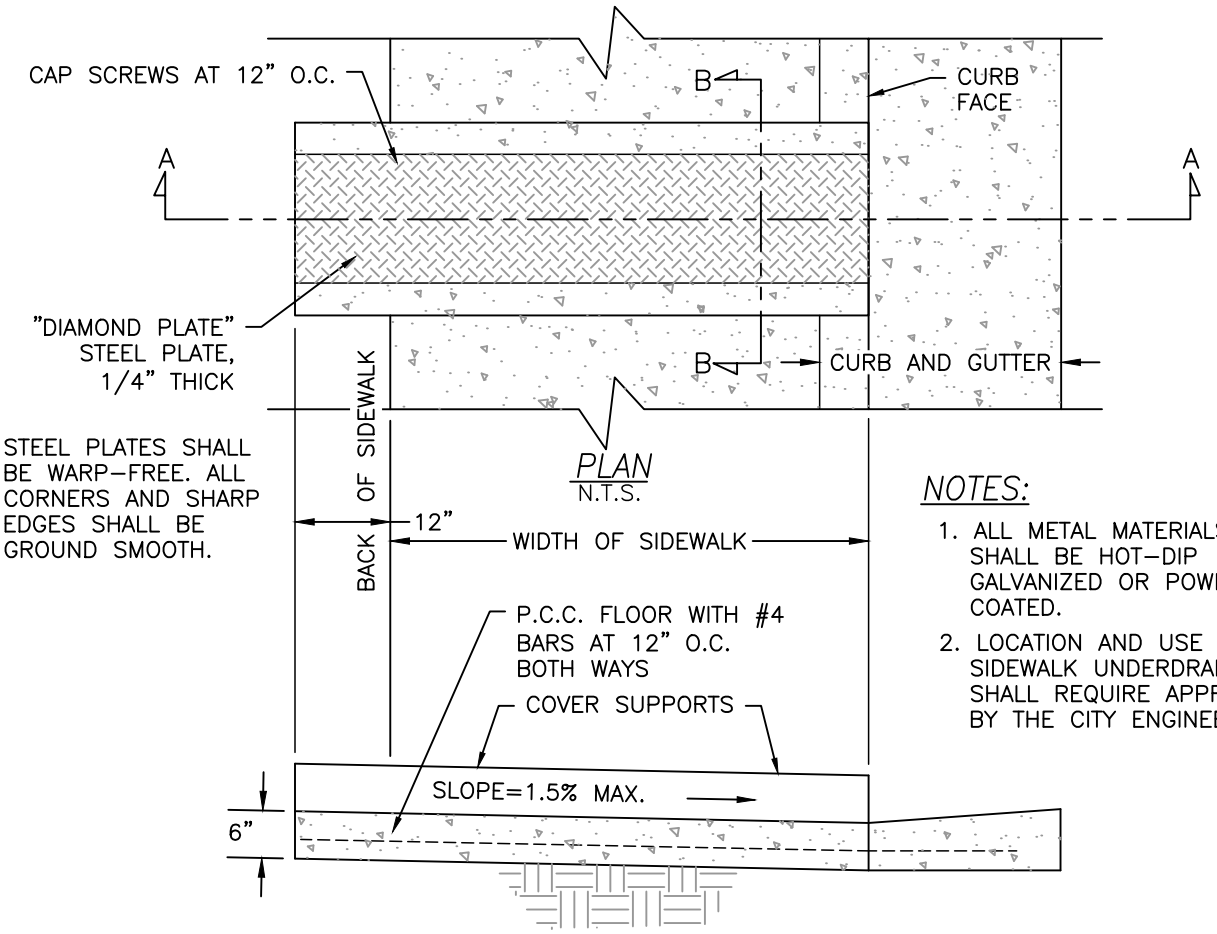


GRATE CONSTRUCTION

NOTE:

1. METAL TUBING, FRAME PARTS, & GRATE SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION.

SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	CAST-IN-PLACE OUTLET STRUCTURE - GRATE	STANDARD No. D-6

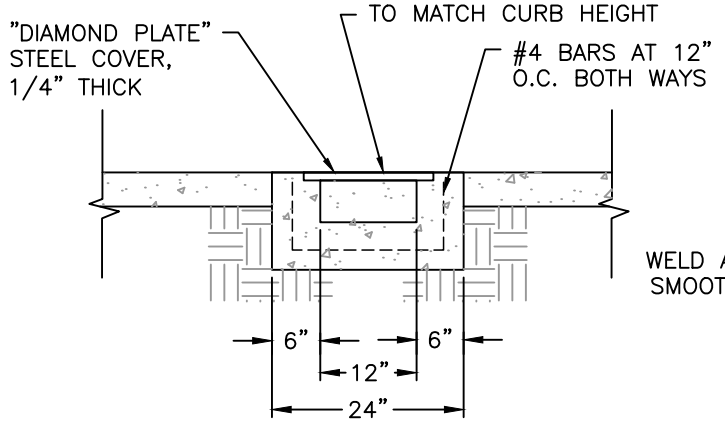


PLAN
N.T.S.

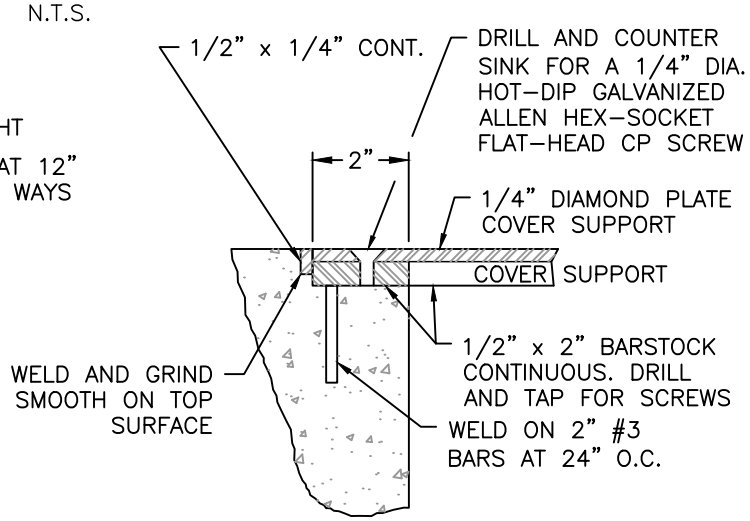
NOTES:

1. ALL METAL MATERIALS SHALL BE HOT-DIP GALVANIZED OR POWDER COATED.
2. LOCATION AND USE OF SIDEWALK UNDERDRAIN SHALL REQUIRE APPROVAL BY THE CITY ENGINEER.

SECTION A-A
N.T.S.

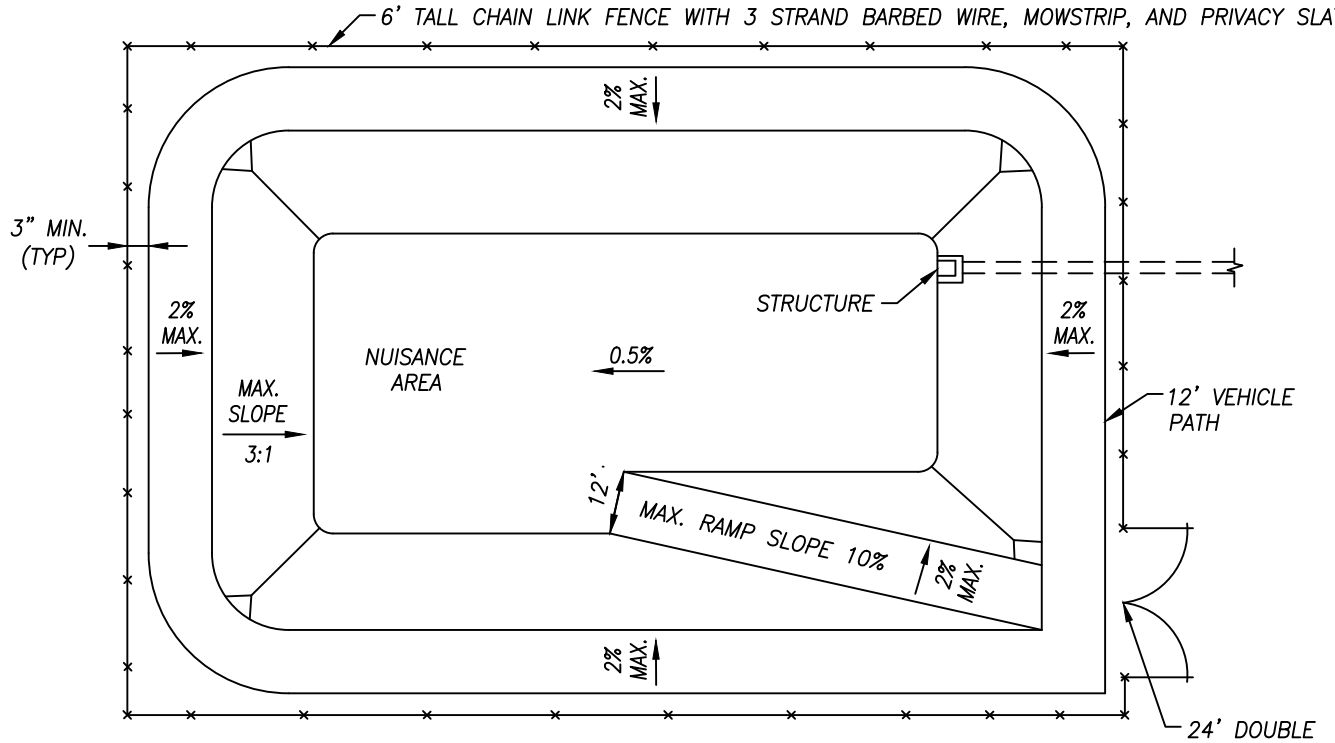


SECTION B-B
N.T.S.

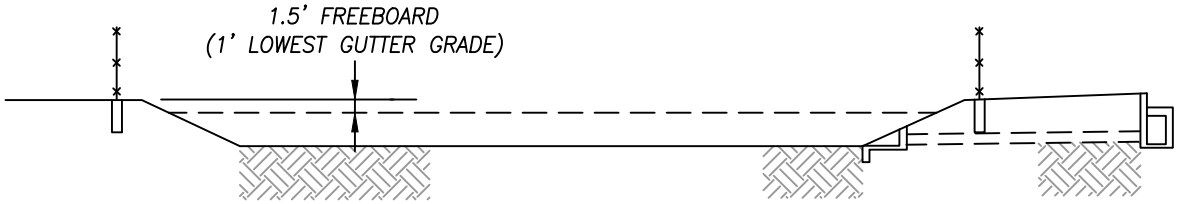


LOCKING DEVICE DETAIL
N.T.S.

SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Greg Mangum 06/25/24 Signing Engineer Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	UNDER SIDEWALK DRAIN	STANDARD No. D-7



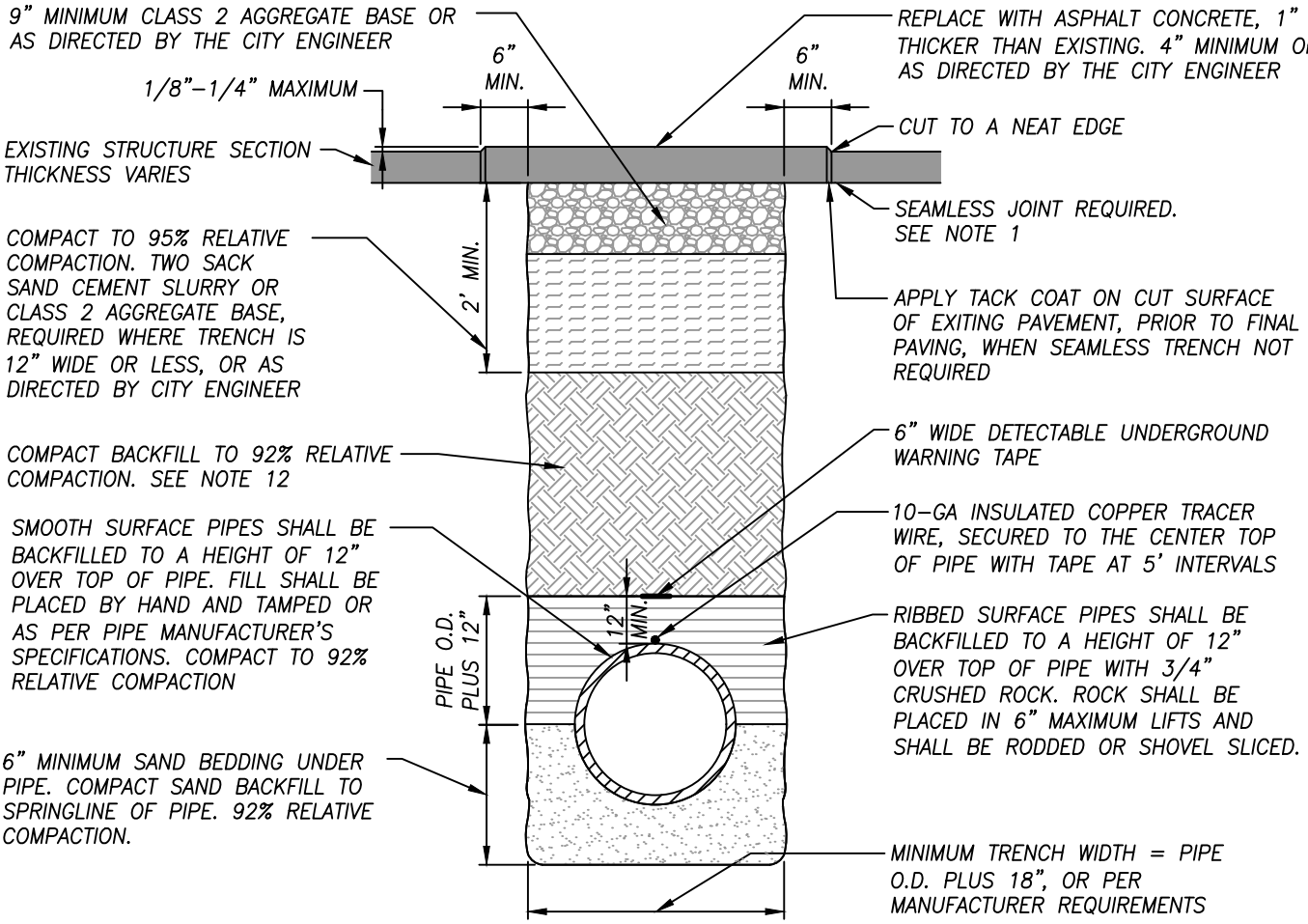
BASIN PLAN



NOTES:

1. OVERFLOW MUST BE TO THE STREET, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
2. DESIGNED WATER SURFACE ELEVATION SHALL BE 1 FOOT BELOW THE LOWEST INLET FLOW OR POND PERIPHERAL ELEVATION, WHICHEVER IS LOWER.
3. TO DETERMINE CAPACITY OF BASIN REFER TO APPENDIX A, DRAINAGE ENGINEERING DESIGN CRITERIA.
4. PROVIDE COMPOSITE "C" CALCULATIONS.
5. VEHICLE RAMP SHALL BE 12 FEET WIDE WITH A MAXIMUM SLOPE OF 10% REQUIRED.
6. BASIN SHALL BE SIZED TO HANDLE THE REQUIRED STORAGE VOLUME WITHOUT EXCEEDING AN EXCAVATION DEPTH OF 12 FEET.
7. ADEQUATE AREA AT THE FLOOR OF THE BASIN SHALL BE PROVIDED FOR MANEUVERING MAINTENANCE EQUIPMENT.
8. LANDSCAPING OF THE BASIN MAY NOT BE NECESSARY IF SCREENED FENCING IS PROVIDED. HOWEVER, LANDSCAPING TREATMENT BETWEEN THE FENCE AND THE STREET MAY BE REQUIRED.
9. FENCING IS NOT REQUIRED ON BASINS WHERE THE MAXIMUM POSSIBLE WATER DEPTH DOES NOTE EXCEED 18 INCHES AND THE SIDE SLOPES ARE 6 TO 1 OR FLATTER.
10. A SOIL BORING LOG TO A DEPTH OF NOT LESS THAN 30 FEET SHALL BE SUBMITTED TO THE CITY ENGINEER.

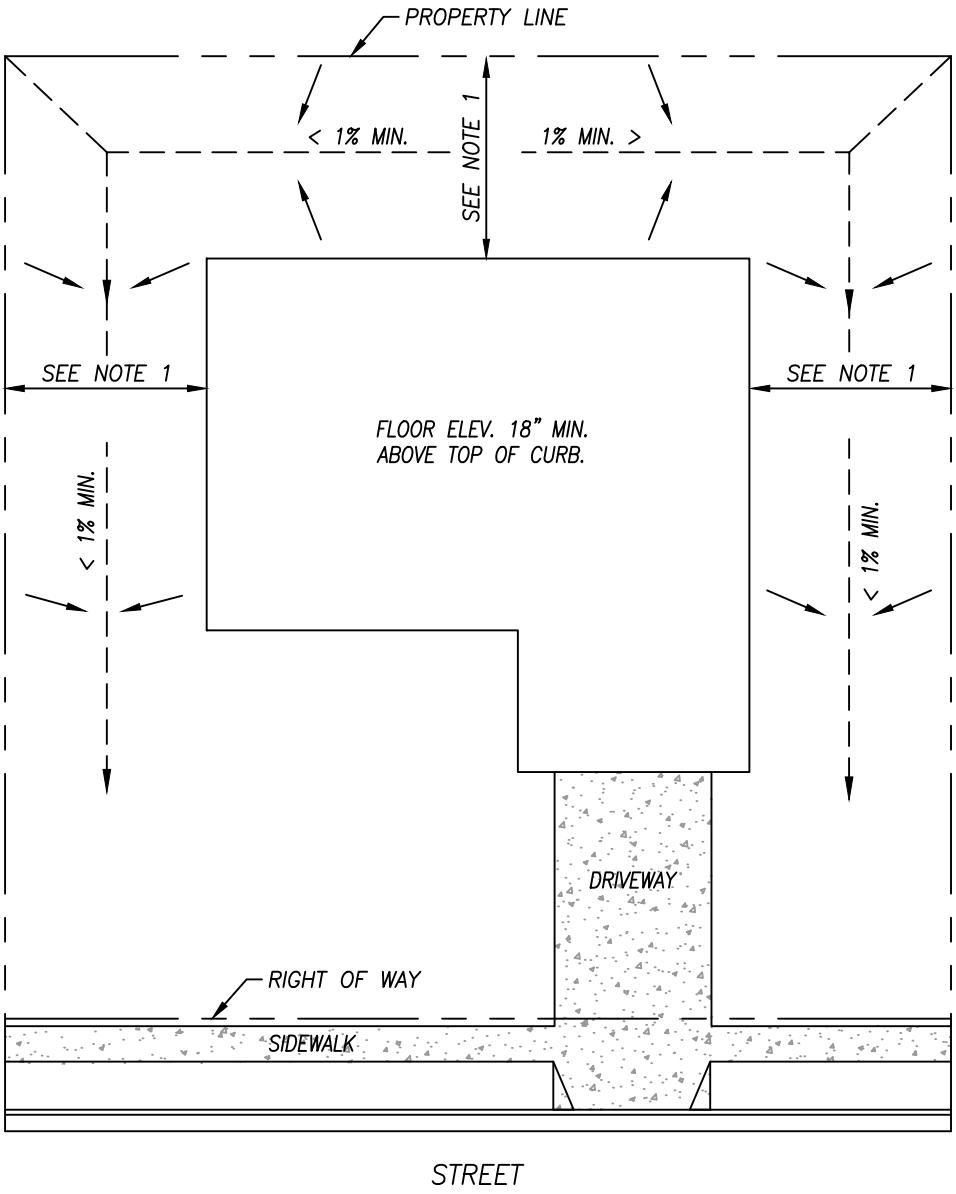
SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	STORM DRAIN BASIN TYPE "B"	STANDARD No. D-8



NOTES:

1. ALL CUTS IN EXISTING PAVEMENT THAT ARE LESS THAN EIGHT YEARS OLD OR AS REQUIRED BY THE CITY ENGINEER SHALL BE REQUIRED TO HAVE SEAMLESS JOINTS WITH THE EXISTING PAVEMENT BY USING A HEATER–REMIX PROCESS.
2. ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN THE CITY OF McFARLAND STANDARD SPECIFICATIONS.
3. ALL PROVISIONS AND REQUIREMENTS OF THE CITY OF McFARLAND MUNICIPAL CODE SHALL BE FOLLOWED.
4. STREET CUTS SHALL BE MADE PARALLEL OR AT RIGHT ANGLES TO THE CENTERLINE OF THE STREET.
5. ALL TRENCHES UNDER EXISTING CURB AND GUTTER OR OTHER CITY STRUCTURES SHALL REQUIRE A TWO SACK CEMENT SLURRY BACKFILL. CEMENT SLURRY BACKFILL SHALL NOT HAVE LESS THAN 188 POUNDS OF CEMENT PER CUBIC YARD OF MATERIAL PRODUCED.
6. MANHOLE AND WATER VALVE RAISING ASSOCIATED WITH NEW STREET CONSTRUCTION IS NOT REQUIRED TO FOLLOW NOTE 1.
7. MOISTURE CONDITION AND MIX BACKFILL MATERIAL PRIOR TO PAVEMENT.
8. TEMPORARY TRENCH RESURFACING SHALL CONSIST OF A MINIMUM OF 2 INCHES COLD MIX AND SHALL BE REQUIRED WHENEVER THE STREET IS TEMPORARILY OPENED TO TRAFFIC. ALL TEMPORARY MATERIAL SHALL BE COMPLETELY REMOVED PRIOR TO FINAL PAVING.
9. TRENCH RESURFACING STRUCTURAL SECTION IN OTHER THAN PERMANENTLY PAVED OR UNPAVED AREAS SHALL BE DETERMINED BY THE CITY ENGINEER.
10. NO JETTING OR FLOODING OF TRENCH BACKFILL WILL BE ALLOWED. BACKFILL IS TO BE PLACED IN MAXIMUM 6 INCH LOOSE LIFTS, THEN COMPACTED AS DIRECTED BY THE CITY ENGINEER.
11. IF THERE IS LESS THAN 2 FEET BETWEEN THE EDGE OF A TRENCH CUT AND A CONCRETE IMPROVEMENT, OR EDGE OF PAVING, THEN REMOVE AND REPLACE THE HMA PAVEMENT FROM THE EDGE OF THE TRENCH CUT TO THE CONCRETE IMPROVEMENT, OR EDGE OF PAVING.
12. UNLESS OTHERWISE NOTED BACKFILL SHALL BE CLEAN GRANULAR NATIVE MATERIAL, FREE FROM DEBRIS, LUMPS, HARDPAN CHUNKS, PAVING MATERIALS, COBBLES LARGER THAN 3 INCHES, OR ORGANIC MATTER OF OTHER DEFECTIONS OR UNSUITABLE SUBSTANCE OR SHALL BE IMPORT BORROW.

SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	TRENCH BACKFILL/PATCH PAVING	STANDARD No. E–1



NOTES:

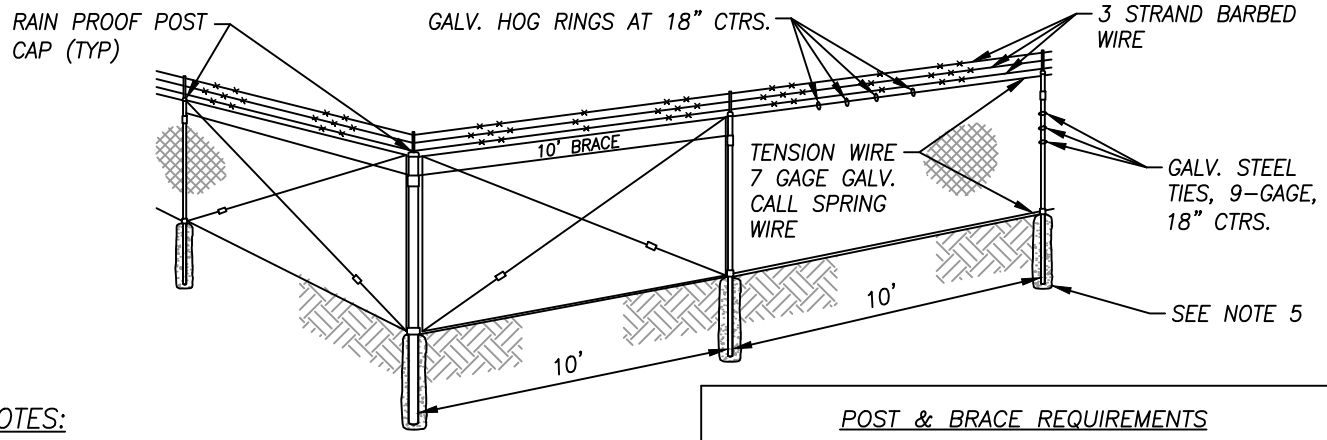
1. FOR LOT REQUIREMENTS, SEE CITY ZONING ORDINANCE.
2. LOTS SHALL BE GRADED TO DRAIN AWAY FROM FOUNDATION TO THE STREET PER BUILDING CODE.

SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	TYPICAL LOT REQUIREMENTS	STANDARD No. L–1

NOTES:

1. COMMERCIAL QUALITY POST TOPS, EXTENSION ARMS, STRETCHER BARS AND OTHER REQUIRED FITTINGS AND HARDWARE SHALL BE STEEL OR MALLEABLE IRON OR WROUGHT IRON AND SHALL BE GALVANIZED.

2. WIRE USED IN THE MANUFACTURE OF THE FABRIC SHALL BE 9–GAGE FOR ALL FENCES 84 INCHES OR LESS IN HEIGHT, AND SHALL BE WOVEN INTO APPROXIMATELY 2–INCH MESH.



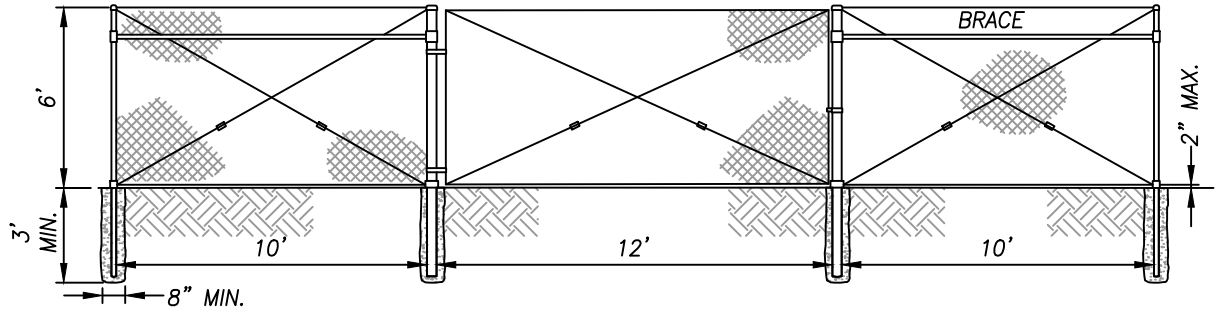
NOTES:

3. LINE POSTS SHALL BE SPACED AT NOT MORE THAN 10–FEET INTERVALS, MEASURED FROM CENTER TO CENTER OF POSTS.

4. END, CORNER AND GATE POSTS SHALL BE BRACED TO THE NEAREST LINE POST WITH GALVANIZED DIAGONAL OR HORIZONTAL BRACES USED AS COMPRESSION MEMBERS AND GALVANIZED 3/8 INCH STEEL TRUSS RODS WITH TURNBUCKLES USED AS TENSION MEMBERS.

POST & BRACE REQUIREMENTS

LOCATION	TYPE	MIN. SIZE	MIN. WT(LB./FT.)
END AND CORNER POSTS	PIPE	2.351 O.D.	2.78
LINE POSTS	PIPE	1.869 O.D.	2.20
BRACES	PIPE	1.630 O.D.	1.75
GATE POSTS	PIPE	3.960 O.D.	9.11



NOTES:

5. COMMERCIAL QUALITY GATE FRAME SHALL BE CONSTRUCTED OF NOT LESS THAN 1.86 INCH DIA. GALVANIZED PIPE AND SHALL BE CROSS TRUSSED WITH 3/8 INCH ADJUSTABLE TRUSS RODS. THE CORNER OF GATE FRAMES SHALL BE FASTENED TOGETHER WITH A MALLEABLE IRON FITTING OR WELDED & GALVANIZE COATED OVER WELDS.

6. THE GATE SHALL BE HUNG BY AT LEAST TWO (2) STEEL OR MALLEABLE IRON HINGES NOT LESS THAN 3 INCHES IN WIDTH, AND A MALLEABLE CATCH AND LOCKING ATTACHMENT.

7. ALL COMMERCIAL QUALITY POSTS SHALL BE A MINIMUM OF 9 FEET LONG.

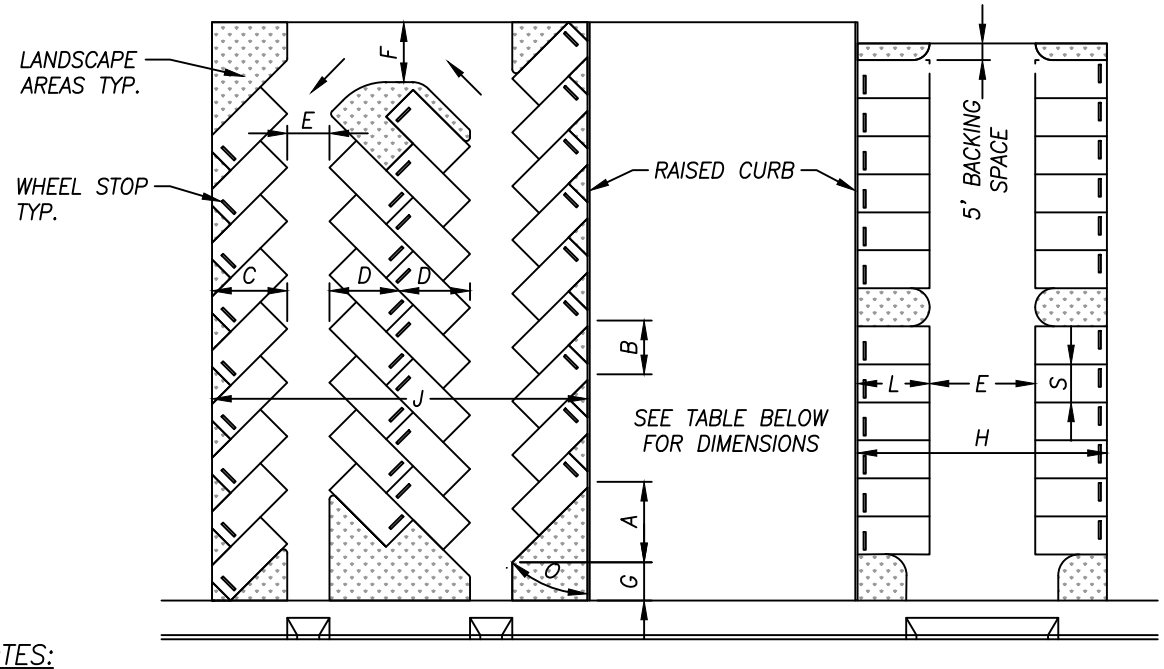
8. COMMERCIAL QUALITY CHAIN LINK FENCING FOR SCREENING SHALL BE RUSTAKE OR EQUAL.

9. CONCRETE SHALL CONTAIN NOT LESS THAN 505 POUNDS OF PORTLAND CEMENT PER CUBIC YARD WITH 1 INCH AGGREGATE. MAXIMUM SLUMP 5 INCHES. 2,500 P.S.I. AT 28 DAYS.

10. WHEN SLATS ARE REQUIRED MESH SHALL BE 3 1/2 INCHES AND SLATS SHALL BE 2 INCHES WIDE. COLOR OF SLATS SHALL BE APPROVED BY CITY ENGINEER.

11. NOT ALLOWED IN RESIDENTIAL AREAS.

SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	CHAIN LINK FENCE	STANDARD No. M–1



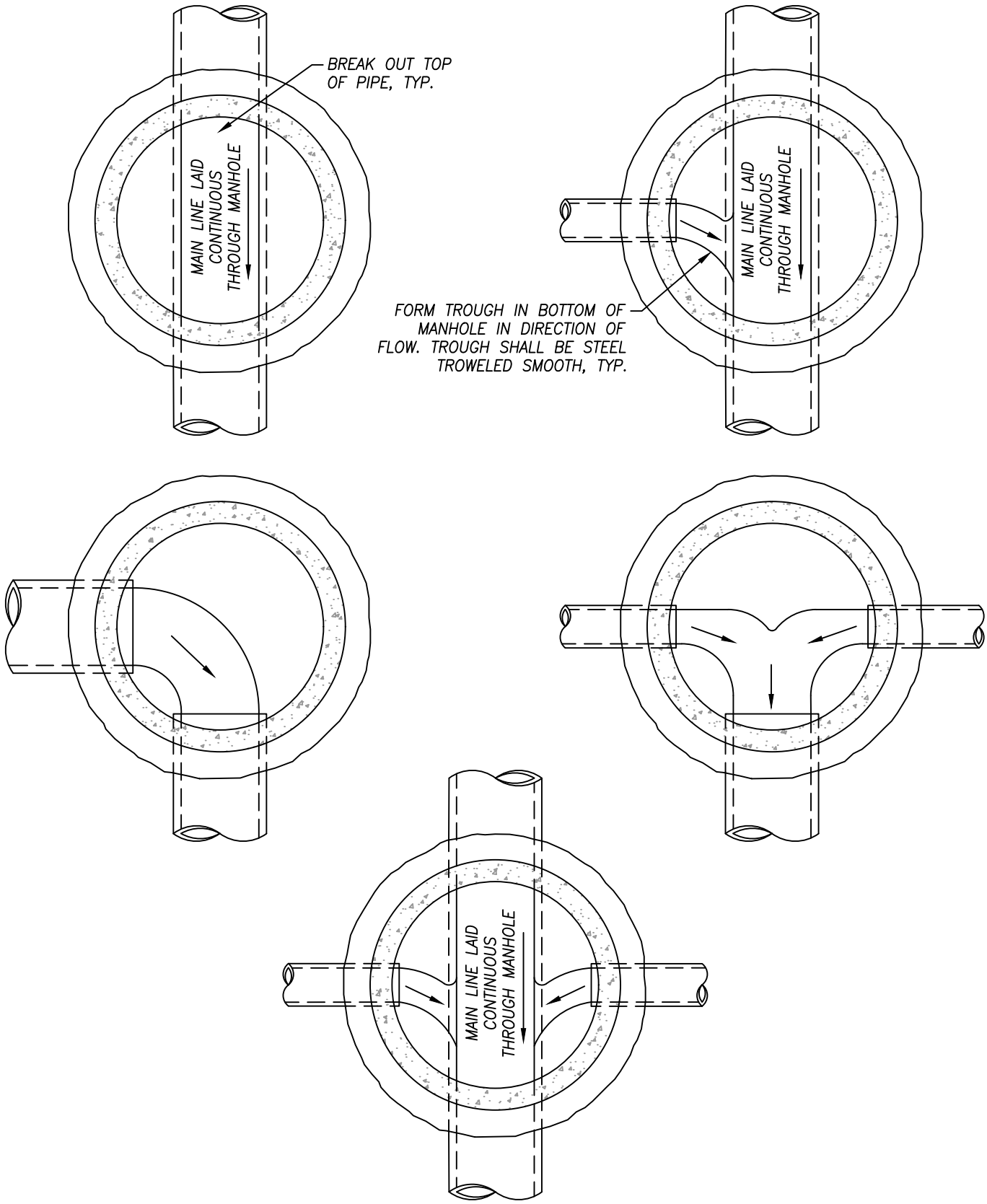
NOTES:

1. PARKING LOT STRUCTURAL SECTION SHALL CONSIST OF 3 INCHES MINIMUM OF ASPHALT CONCRETE OVER 6 INCHES MINIMUM OF CLASS 2 AGGREGATE BASE, OVER 6 INCHES MINIMUM OF COMPACTED SUBGRADE TO 95% RELATIVE COMPACTION. DESIGN STRUCTURAL PAVING SECTION TO TRAFFIC INDEX OF 5.5 MINIMUM FOR SOLID WASTE TRUCK TRAVEL PATH. CITY PARKING LOT PAVEMENT SHALL BE DESIGNED PER STREET SECTION REQUIREMENTS STANDARD DRAWINGS.
2. MINIMUM SLOPE OF ASPHALT CONCRETE SURFACE SHALL BE 2%.
3. A LANDSCAPED ISLAND SHALL BE INSTALLED EVERY 10 SPACES.
4. MINIMUM AMOUNT OF LANDSCAPED AREA SHALL BE 5% TOTAL AREA.
5. ACCESSIBLE ROUTES SHALL BE PROVIDED TO THE CITY STREET RIGHT OF WAY, TO BUILDINGS, AND FACILITY ARRIVAL POINTS.
6. MINIMUM WIDTHS FOR ACCESSIBLE STALLS: 9.0 (STANDARD), 12.0 (VAN ACCESSIBLE). ACCESS AISLE WIDTH MINIMUM 5.0

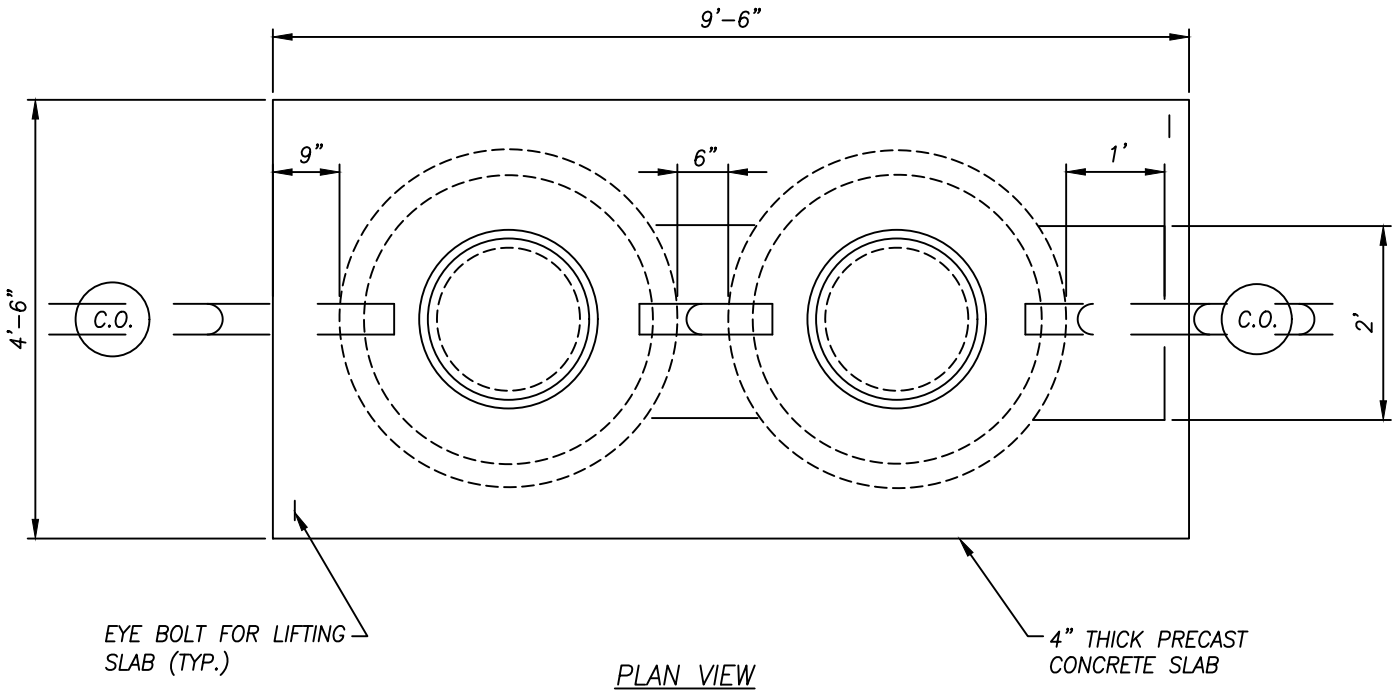
TABLE OF DIMENSIONS IN FEET

Q	S	L	A	B	C	D	E	F	G	H	J
0°	8.0	22.0	0.0	22.0	8.0	8.0	12.0		5.0	28.0	
	8.0	24.0	0.0	24.0	8.0	8.0	11.0		5.0	27.0	
	8.0	26.0	0.0	26.0	8.0	8.0	10.0		5.0	26.0	
30°	9.0	19.0	30.0	18.0	17.3	13.4	9.0		6.0	43.6	
45°	9.0	19.0	19.8	12.7	19.8	16.6	10.0	16.0	9.0	49.6	92.8
	9.5	19.0	20.1	13.4	20.1	16.7	9.5	16.5	8.5	49.7	92.6
	10.0	19.0	20.5	14.1	20.4	16.9	9.0	17.0	8.0	49.8	92.6
60°	9.0	19.0	12.1	10.4	21.0	18.8	17.0	15.0	12.0	59.0	113.6
	9.5	19.0	12.3	11.0	21.3	18.9	15.5	15.0	11.5	58.1	111.4
	10.0	19.0	12.4	11.5	21.5	19.0	14.0	15.0	11.0	57.0	109.0
90°	9.0	19.0	0.0	9.0	19.0	19.0	25.0	20.0	5.0	63.0	126.0
	9.5	19.0	0.0	9.5	19.0	19.0	24.0	20.0	5.0	62.0	124.0
	10.0	19.0	0.0	10.0	19.0	19.0	23.0	20.0	5.0	61.0	122.0

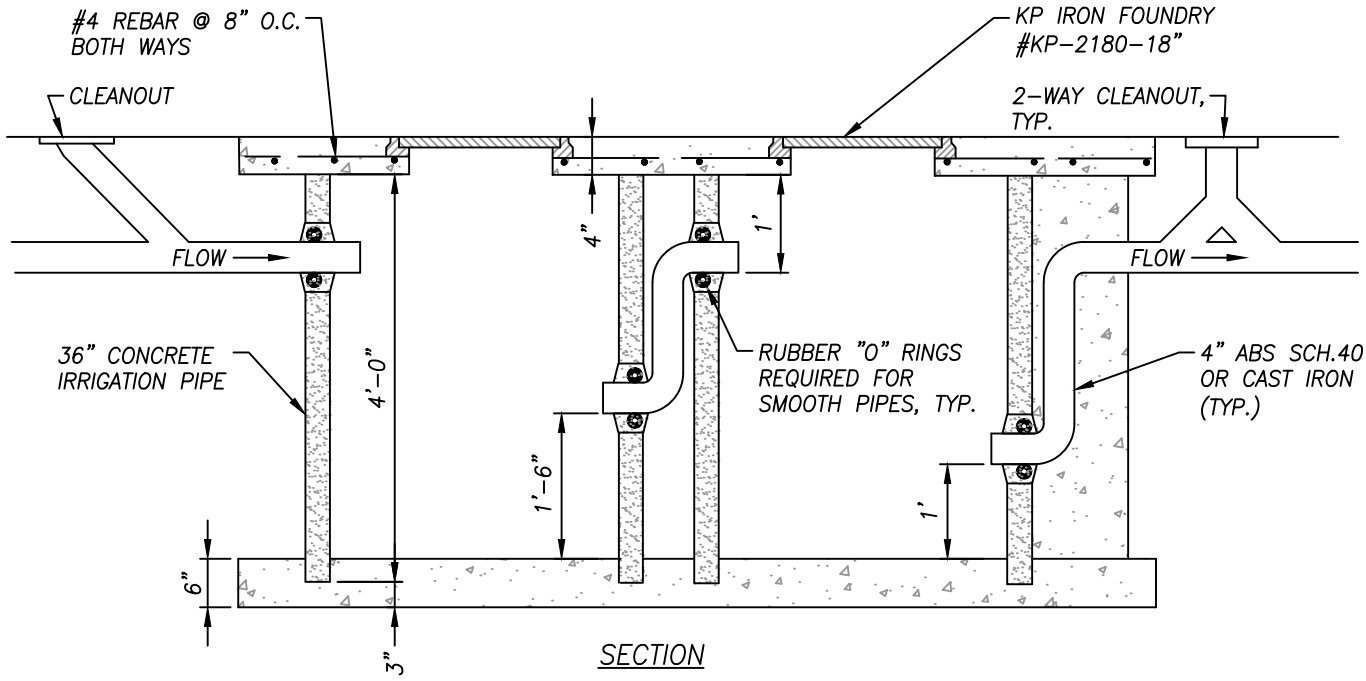
SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	SPACE REQUIREMENTS	STANDARD No. PK-1



SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	TYPICAL FLOW CHANNELS FOR SANITARY SEWER MANHOLES	STANDARD No. S-12



PLAN VIEW

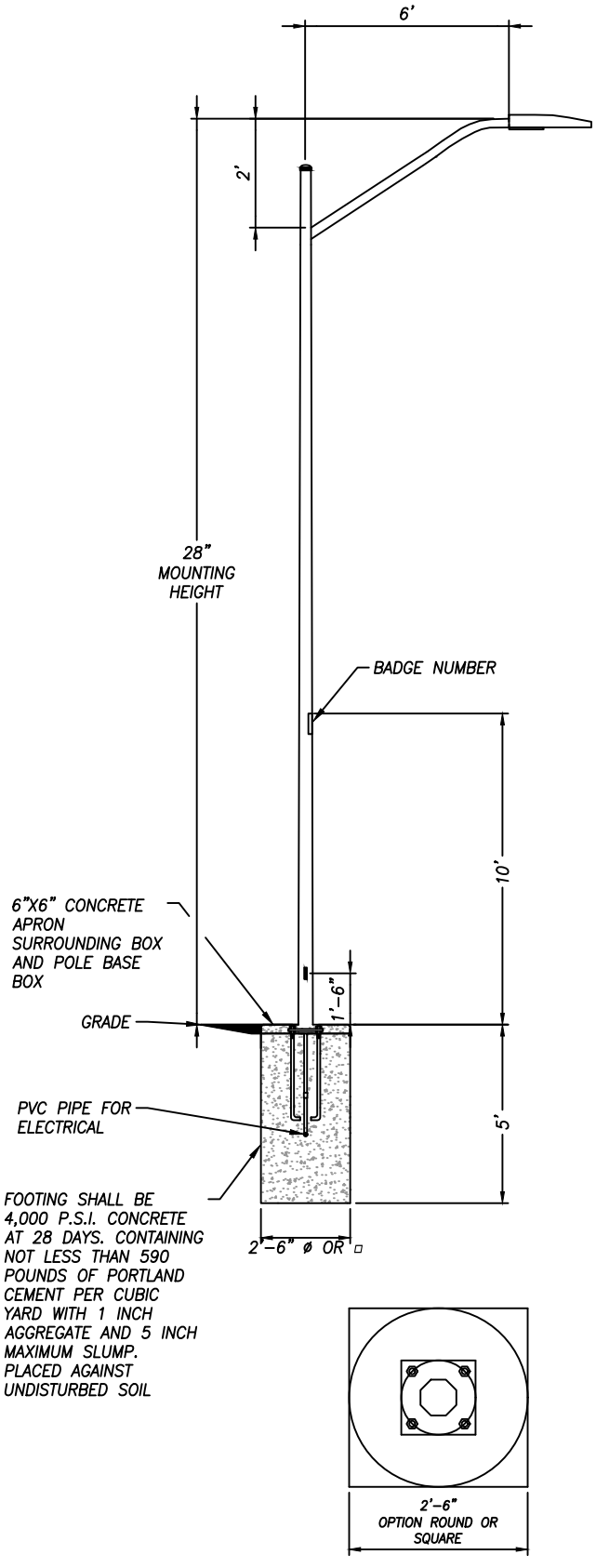


SECTION

NOTES:

1. CONCRETE SLAB FOR GREASE TRAP SHALL BE 4,000 P.S.I. CONCRETE AT 28 DAYS. CONTAINING NOT LESS THAN 505 POUNDS OF PORTLAND CEMENT PER CUBIC YARD WITH 1 INCH AGGREGATE AND 5 INCH MAXIMUM SLUMP.
2. CONTRACTOR MAY SUBSTITUTE A MANUFACTURED GREASE TRAP WITH APPROVAL OF CITY ENGINEER.
3. THE ABOVE DRAWING DEPICTS A MINIMUM SIZE GREASE TRAP ENCLOSURE. ACTUAL SIZE WILL VARY DEPENDING UPON QUANTITY OF FLOW. THE CITY ENGINEER MUST APPROVE ALL INSTALLATIONS.
4. MORTAR INSIDE ALL INTERIOR JOINTS TO A SMOOTH FINISH.

SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	GREASE TRAP	STANDARD No. S-13



NOTES:

1. POLE: TYPE 15-26' TALL, ROUND TAPERED, GALVANIZED POLE WITH 6' ELLIPTICAL MAST ARM HAVING 24" ELEVATION LUMINAIRE FOR A 28' LUMINAIRE MOUNTING HEIGHT.

   4"X 6-1/2 HAND-HOLE COVER WITH 1/4" X 1-1/2" REINFORCEMENT RING WELDED TO OUTSIDE OF POLE. STEEL HAND-HOLE COVER TO HAVE TWO 1/4-20 STAINLESS STEEL TAMPERPROOF HEX REJECT SCREWS.

   INSTALL HOT DIPPED GALVANIZED NUTS AND LEAVING WASHERS ON TOP AND BOTTOM OF FLANGE BASE. INSTALL GROUT UNDER BASE AFTER LEVELING.

   BOLT CIRCLE 11" TO 11-1/2", BOLTS ASTM A-307 1"X36"X4" WITH HEX NUT, LEVELING NUT AND TWO WASHES PER BOLT.

2. PULL BOX: OLD CASTLE B1017 OR APPROVED EQUAL WITH GALVANIZED STEEL SKID RESISTANT BOLT DOWN LID MARKED "STREET LIGHTS", USE LARGER BOXES WHEN NECESSARY.

   LOCATE PULL-BOX WITHIN 2' OF POLE BASE WITH CONTINUOUS CONCRETE APRON - 200' MAXIMUM DISTANCE BETWEEN PULL BOXES.

   INSTALL 8" MINIMUM THICKNESS OF 3/4" CRUSHED ROCK UNDER BOX FOR DRAINAGE.

   INSTALL 2" MORTAR BED ON GRAVEL TO SEAL BOTTOM OF BOX.

   INSTALL 3/4" PVC DRAIN PIPE TO ALLEVIATE STANDING WATER IN PULL BOX.

   1/2" X 8' COPPER CLAD GROUND RODS ARE REQUIRED, BOND BOX FRAME. (SEE ST-23.1)

3. CONDUCTS: CONDUITS TO BE GRAY PVC SCHEDULE 40, 1-1/2" MINIMUM, LARGER CONDUITS TO USED WHERE NEEDED OR NOTED.

   INSTALL CONDUITS SO THAT THEY ARE NEATLY ARRANGED IN CENTER PORTION OF BOX, ENTERING BOX PLUMB.

   INSTALL END BELLS ON ALL CONDUITS.

   SEAL CONDUITS WITH DUCT SEAL, COMPLETELY SEALING AROUND CONDUCTORS AND AT LEAST 1" THICK.

   USE 18" RADIUS MINIMUM SWEEPS ON ALL BENDS-EXCEPTION STANDARD SWEEPS ARE OK ON SHORT RUNS BETWEEN PULL-BOX AND POLE.

   RUNS SHALL HAVE NO MORE THAN A TOTAL OF 270 DEGREES OF BENDS BETWEEN PULLING POINTS.

   MINIMUM CONDUIT DEPTH SHALL BE 24" BELOW GRADE.

4. WIRING: CONDUCTORS SHALL BE XLPE USE-2 2KV STRANDED COPPER, MINIMUM #10 AWG, ALTERNATE WIRE SIZES MUST BE USED IF VOLTAGE DROP EXCEEDS 5%-CHECK AND RECHECK VOLTAGE DROP CALCULATIONS.

   120V, 208V, 240V, NOMINAL VOLTAGE SYSTEM CONDUCTOR COLORS: PHASE A:BLACK, B:RED, C:BLUE, NEUTRAL:WHITE. 277V, 480V NOMINAL VOLTAGE SYSTEM CONDUCTOR COLORS: PHASE A:BROWN, B:ORANGE, C:YELLOW, NEUTRAL:GREY. GROUND:GREEN. CONDUCTOR ARE CONTINUOUS COLOR, NO PHASE TAPE IDENTIFICATION ALLOWED.

   SUPPLY VOLTAGE AL THE UTILITY COMPANY SERVICE BOX SHALL BE 120VAC OR 240VAC. OTHER VOLTAGES (208,277, OR 480) MAY BE USED ONLY WITH THE APPROVAL OF THE CITY'S ELECTRICAL DEPARTMENT.

   SPLICES IN PULL BOXES SHALL BE MADE WITH ILSCO PED SERIES SUBMERSIBLE CONNECTOR (OR APPROVED EQUAL) IN ACCORDANCE WITH CALTRANS DETAIL ES-13A.

   A INLINE FUSE MUST BE INSTALLED IN PULL BOX TO PROTECT EACH LUMINARIE AND BE WATERPROOF.

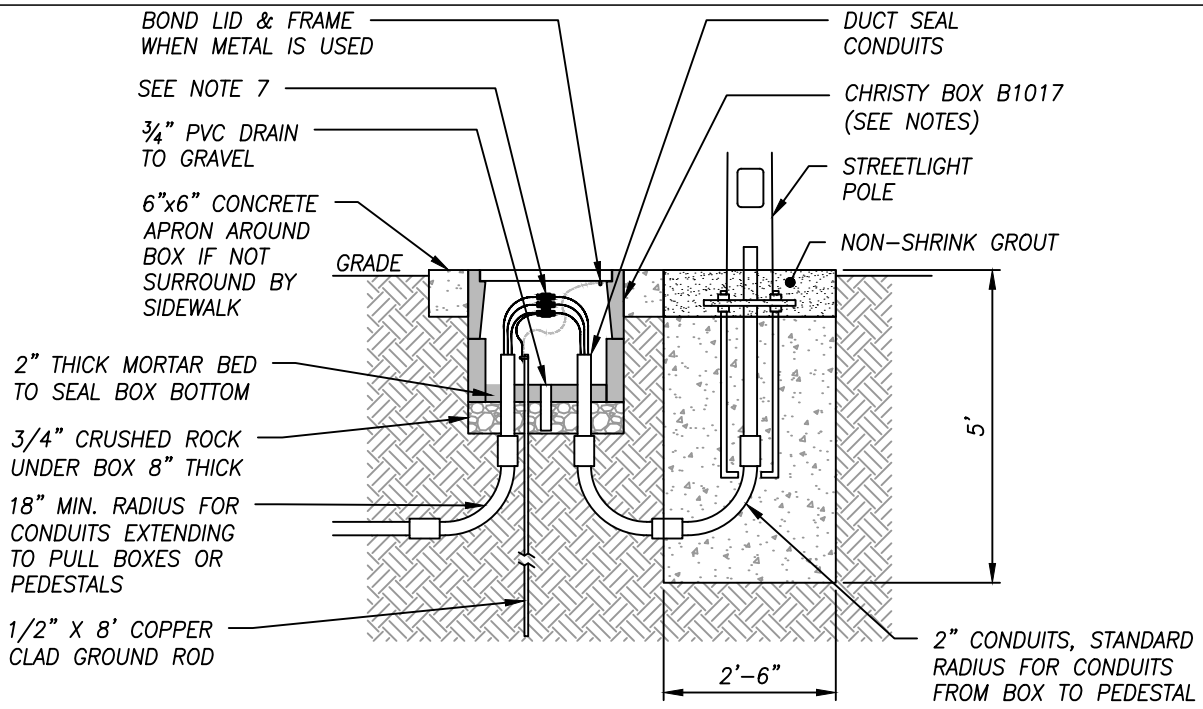
   POLES SHALL BE FED FROM PEDESTALS AND SHALL HAVE A GROUNDING CONDUCTOR INSTALLED.

5. LUMINARIES: LUMINARIES SHALL BE LED TYPE OR CITY APPROVED LUMINAIRE. INSTALL TWISTLOCK PHOTOCELL ORIENTED NORTH-OR SHORTING CAPS WITH PC IN METER PEDESTAL.

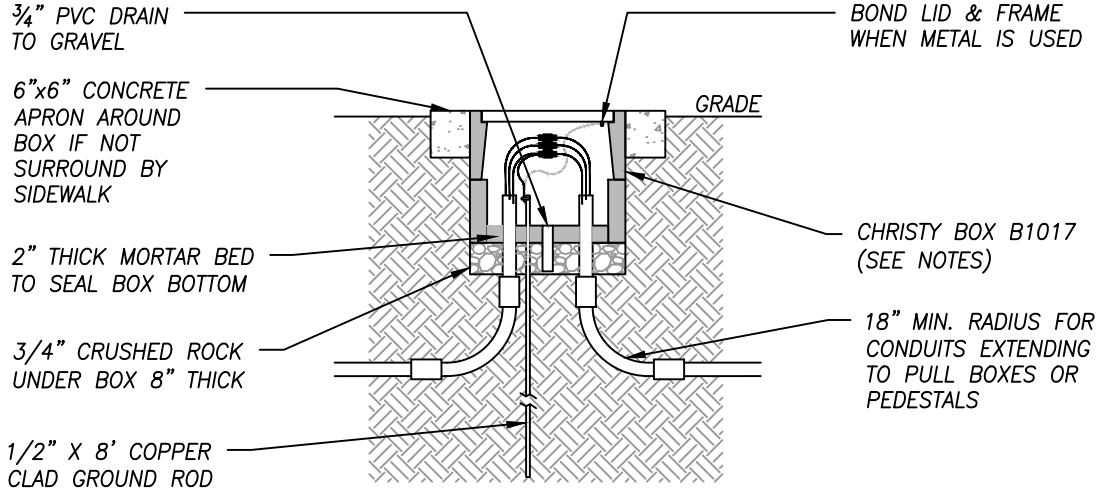
6. SPARE PARTS: FOR EVERY FIVE TO TEN NON-STANDARD LIGHTS INSTALLED, THE DEVELOPER SHALL PROVIDE ONE ADDITIONAL REPLACEMENT COMPLETE STREET LIGHT SYSTEM AND ADDITIONAL SPARE PARTS AS REQUIRED BY THE CITY ENGINEER.

7. FOOTING REINFORCEMENT: SEE DETAIL SL-6.

SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	TYPE 15 POLE	STANDARD No. SL-1



LIGHT POLE PULL BOX

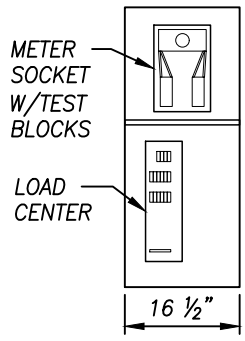


INTERMEDIATE PULL BOX
NON TRAFFIC AREAS

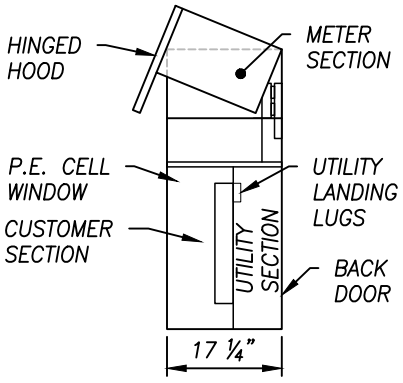
NOTES:

1. BOX-OLDCASTLE B1017 OR APPROVED EQUAL WITH GALVANIZED STEEL SKID RESISTANT BOLT DOWN LOCKING LID MARKED "STREET LIGHTS". CONTRACTOR SHALL USE LARGER BOX SIZE WHEN NECESSARY FOR NONSTANDARD WIRING INSTALLATIONS.
2. LOCATE PULL-BOX WITHIN 2' OF POLE BASE WITH CONTINUOUS CONCRETE APRON-200' MAXIMUM DISTANCE BETWEEN PULL BOXES.
3. INSTALL 8" MINIMUM THICKNESS OF 3/4" CRUSHED ROCK UNDER BOX FOR DRAINAGE.
4. INSTALL 2" MORTAR BED ON GRAVEL TO SEAL BOTTOM OF BOX.
5. INSTALL 3/4" PVC DRAIN PIPE TO ALLEVIATE STANDING WATER IN PULL-BOX.
6. BOND LID AND FRAME.
7. PULL-BOX SPLICES SHALL BE ILSCO PED SERIES SUBMERSIBLE CONNECTOR OR APPROVED EQUAL. EQUIPMENT SHALL BE INSTALLED PER CALTRANS ES-13A.
8. GROUND CLAMPS SHALL BE, "DIRECT BURY RATED".

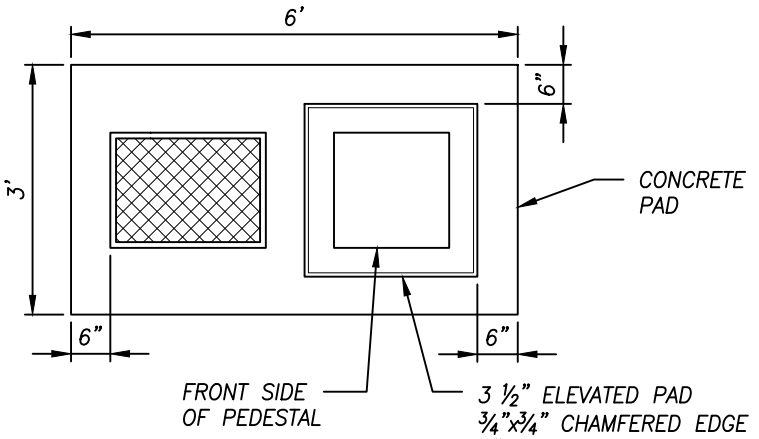
SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	PULL BOX	STANDARD No. SL-2



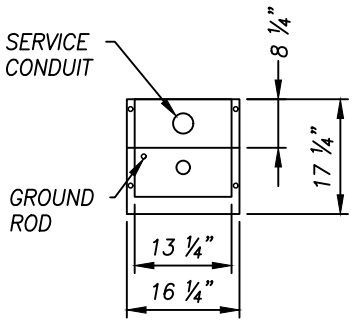
FRONT VIEW



SIDE VIEW

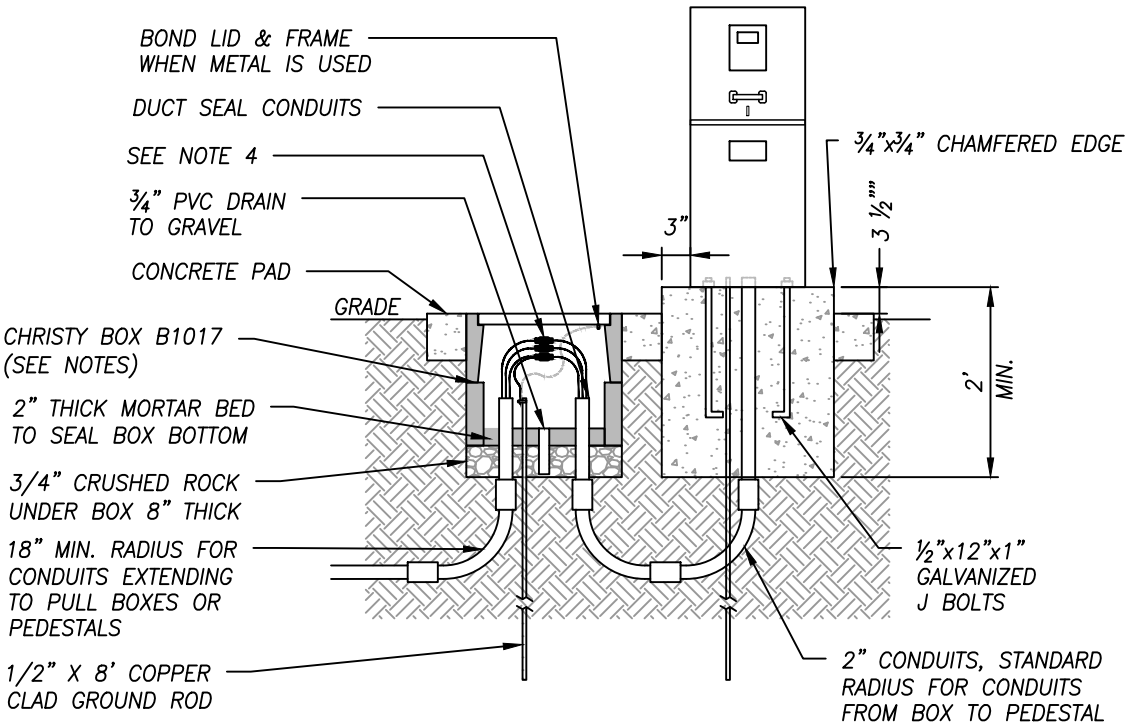


FOUNDATION DETAIL
PLAN VIEW



BASE DETAIL

PEDESTAL MINIMUM CLEARANCE REQUIRED 3 FEET: FRONT, BACK, AND SIDES



FOUNDATION DETAIL
FRONT ELEVATION

SEE DETAIL SL-3B FOR NOTES

SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	COMBINATION METERED & NON-METERED PEDESTAL	STANDARD No. SL-3A

NOTES:

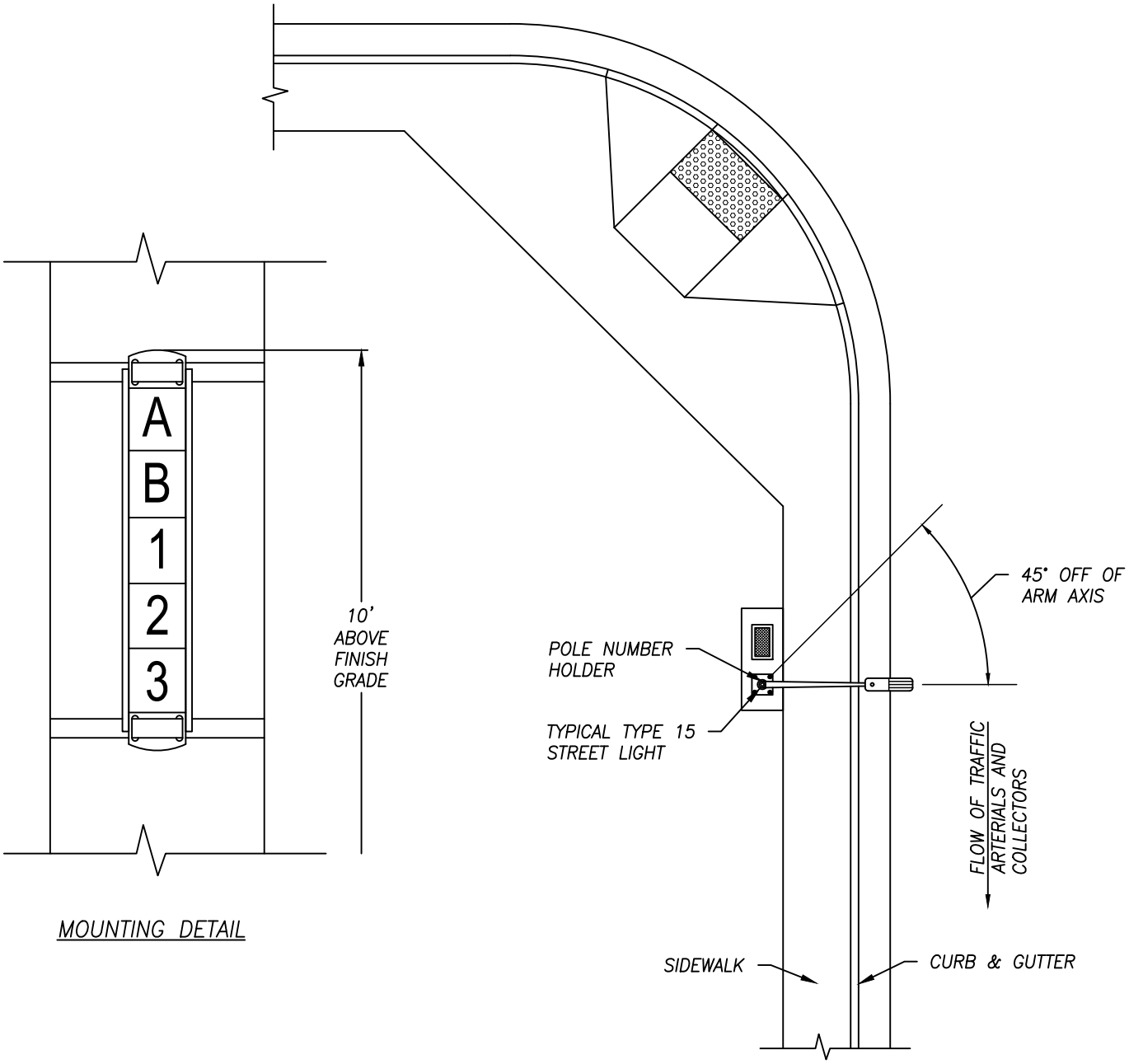
1. PEDESTAL: MEYERS MEUG16-MO70TS (MOD) CITY OF MCFARLAND STANDARD REFER TO MANUFACTURE'S DRAWINGS FOR EXACT SIZE OF PEDESTAL AND ANCHOR BOLT LAYOUT PRIOR TO PLACING FOUNDATION.
   LAYOUT CONDUIT PER LOCAL ELECTRICAL UTILITY REQUIREMENTS.
   INSTALL 1/2"X8' COPPER CLAD GROUND ROD AND SIZE GROUNDING ELECTRODE CONDUCTOR AND BONDING JUMPER TO NEC TABLE 250.66.
   LABEL BREAKERS WITH STREET LIGHT NUMBERS.

2. PULL-BOX: BOX-OLDCASTLE B1017 OR APPROVED EQUAL WITH GALVANIZED STEEL SKID RESISTANT BOLT DOWN LOCKING LID MARKED "STREET LIGHTS". USE LARGER BOX SIZE WHEN NECESSARY.
   INSTALL 8" MINIMUM THICKNESS OF 3/4" CRUSHED ROCK UNDER BOX FOR DRAINAGE.
   INSTALL 2" MORTAR BED ON GRAVEL TO SEAL BOTTOM OF BOX.
   INSTALL 3/4" PVC DRAIN PIPE TO ALLEVIATE STANDING WATER IN PULL-BOX (SEE SL-2).

3. CONDUITS: CONDUITS TO BE GRAY PVC SCHEDULE 40, 1-1/2" MINIMUM, LARGER CONDUITS TO BE USED WHERE NEEDED OR NOTED.
   INSTALL CONDUITS SO THAT THEY ARE NEATLY ARRANGED IN CENTER PORTION OF BOX.
   INSTALL END BELLS ON ALL CONDUITS.
   SEAL CONDUITS WITH DUCT SEAL, COMPLETELY SEALING AROUND CONDUCTORS AND AT LEAST 1" THICK.
   USE 18" RADIUS MINIMUM SWEEPS ON ALL RUNS BETWEEN PULL-BOX AND PEDESTAL.
   RUNS SHALL HAVE NO MORE THAN A TOTAL OF 270 DEGREES OF BENDS BETWEEN PULLING POINTS.
   MINIMUM CONDUIT DEPTH SHALL BE 24" BELOW GRADE.

4. WIRING: CONDUCTORS SHALL BE XLPE USE-2 2KV STRANDED COPPER MINIMUM #10 AWG, ALTERNATE WIRE SIZES MUST BE USED IF VOLTAGE DROP CALCULATIONS WARRANT.
   120V, 208V, 240V NORMAL VOLTAGE SYSTEM CONDUCTOR COLOR PHASE A:BLACK, B:RED, NEUTRAL:WHITE, GROUND:GREEN,
   CONDUCTORS ARE SUBMERSIBLE CONNECTOR (OR APPROVED EQUAL) IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
   POLES SHALL BE FED FROM PEDESTALS AND SHALL HAVE A GROUNDING CONDUCTOR INSTALLED.
   ONLY CONNECT STREET LIGHTING ON LS2 UTILITY TARIFF TO UNMETERED SECTION.
   METERED PEDESTAL IS REQUIRED FOR SIGN LIGHTS, BILLIARDS, IRRIGATION CONTROLLERS OR OTHER LOADS.

SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	COMBINATION METERED & NON-METERED PEDESTAL NOTES	STANDARD No. SL-3B



MOUNTING DETAIL

NOTES:

1. EVERLAST ALUMINUM TAG HOLDER.
2. EVERLAST 2 INCH TALL VERTICAL CHARACTERS, BLACK CHARACTER ON ORANGE FIELD, PART NUMBER EL2K0xxx (xxx TO DESIGNATE THE NUMBER OR LETTER).
3. FOR ARTERIALS AND COLLECTORS, POSITION POLE TAG AT 45° ROTATIONAL AXIS FACING ONCOMING TRAFFIC OR CENTER OF INTERSECTION.
4. FOR RESIDENTIAL STREETS, POSITION THE TAG FACING THE STREET DIRECTLY (NOT 45°).
5. ATTACH TAG HOLDER TO POLE WITH ¼ INCH OR ⅜ INCH STAINLESS BANDING.
6. PINCH TAG HOLDER SLOTS TO CAPTIVATE TAGS.
7. CONTRACTOR SHALL FURNISH AND INSTALL THE TAG HOLDER AND TAGS.
8. POLE NUMBERS ARE ASSIGNED BY THE CITY OF McFARLAND.

SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	BADGE NUMBER	STANDARD No. SL-4

MANUFACTURER:
KING LUMINAIRE

STREET LIGHT LUMINAIRE:
MODEL NUMBER: K203-P4RAD-III-75(SSL)
7030-120:270 S/F KPL20-PR
TYPE: 75W LED 4K
PAINT COLOR: TEXTURED BLACK

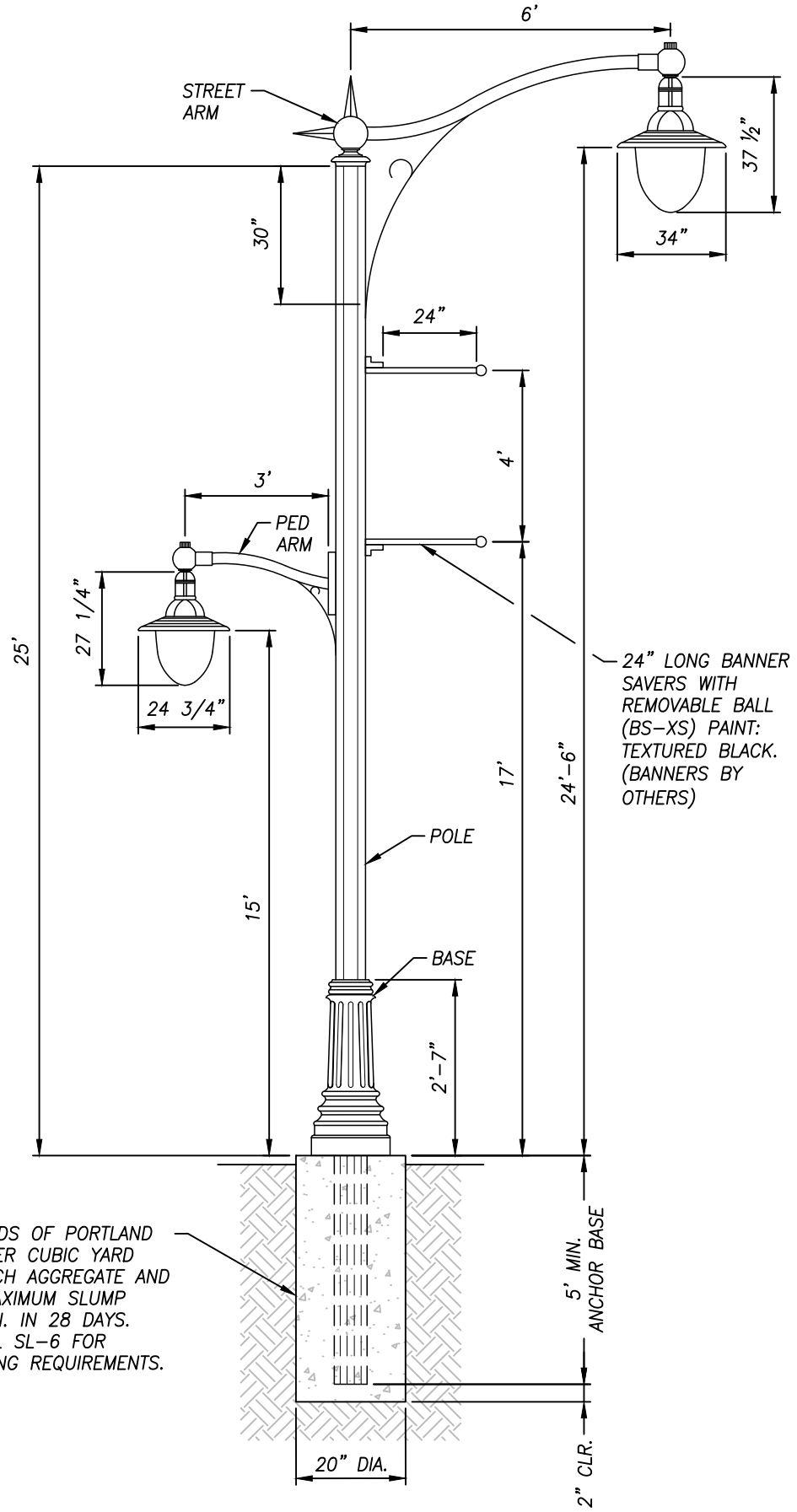
PEDESTRIAN LIGHT LUMINAIRE:
MODEL NUMBER: K203-P4RAD-III-40(SSL)
7030-120:270 S/F KPL20-PR
TYPE: 40W LED 4K
PAINT COLOR: TEXTURED BLACK

STREET ARM:
MODEL NUMBER: KA30-T-1-6'
MATERIAL: ALUMINUM
PAINT COLOR: TEXTURED BLACK
OPTIONS: KPL20 LEVELING DEVICE
(CONTRACTOR TO PROVIDE AND INSTALL INTERCONNECT PHOTO-EYE WITH STREET ARM PHOTO-EYE)

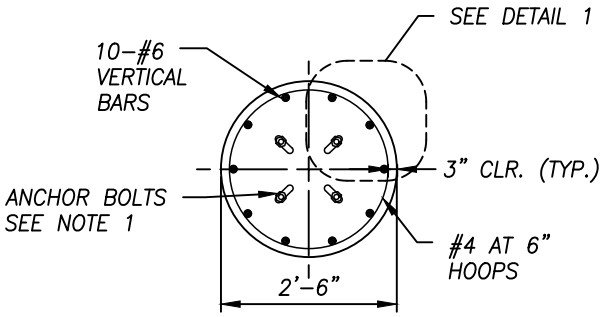
PEDESTRIAN ARM:
MODEL NUMBER: KA40-S-1-3'
MATERIAL: ALUMINUM
PAINT COLOR: TEXTURED BLACK
OPTIONS: KPL20 LEVELING DEVICE
(CONTRACTOR TO PROVIDE AND INSTALL INTERCONNECT PHOTO-EYE WITH STREET ARM PHOTO-EYE)

POLE/BASE:
MODEL NUMBER: KSB19-FF-A-25'-(BS-XS)
BASE MATERIAL: CAST ALUMINUM ALLOY 319
SHAFT MATERIAL: 16 FLUTED FORMED ALUM.
PAINT COLOR: TEXTURED BLACK
TAPER: 0.14 INCH/FOOT
SHAFT TOP: 4 1/2" ϕ
SHAFT BUTT: 8" ϕ
OVERALL HEIGHT: 25' 0"
ANCHOR BOLTS: (4) 1" ϕ X 36"L
(HOT DIPPED GALV.)
BOLT CIRCLE: 11 1/2" ϕ
BOLT PROJECTION: 3" HIGH
OPTIONS: BANNER SAVERS (BS-XS)

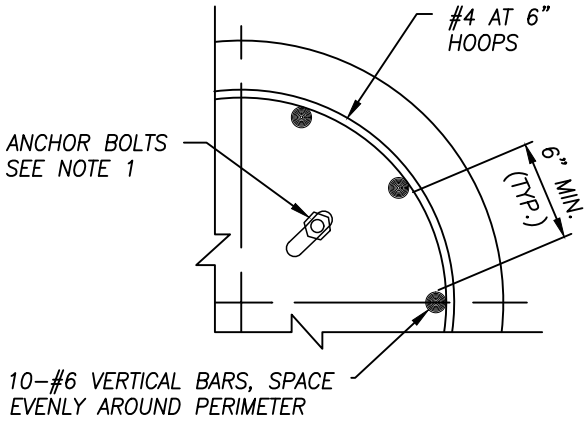
CITY TO ADVISE ON WHEN PEDESTRAIN LUMINAIRE IS REQUIRED.



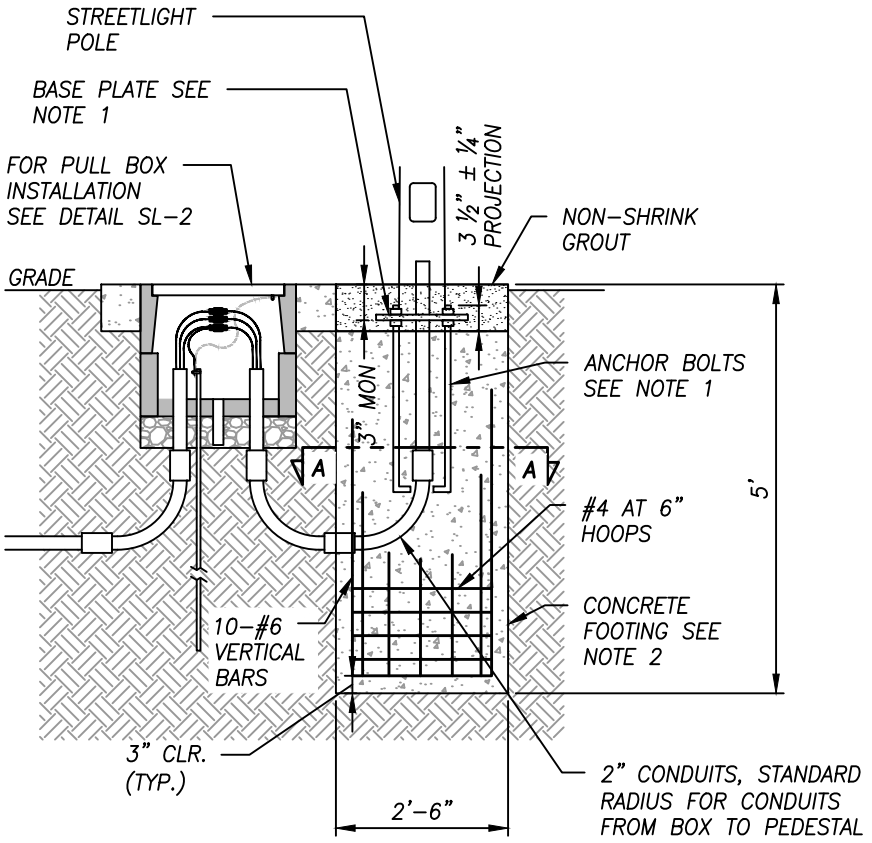
SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	DECORATIVE STREET LIGHT	STANDARD No. SL-5



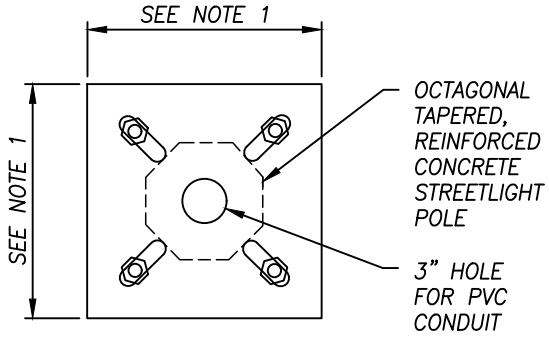
SECTION A–A



DETAIL 1



ELEVATION

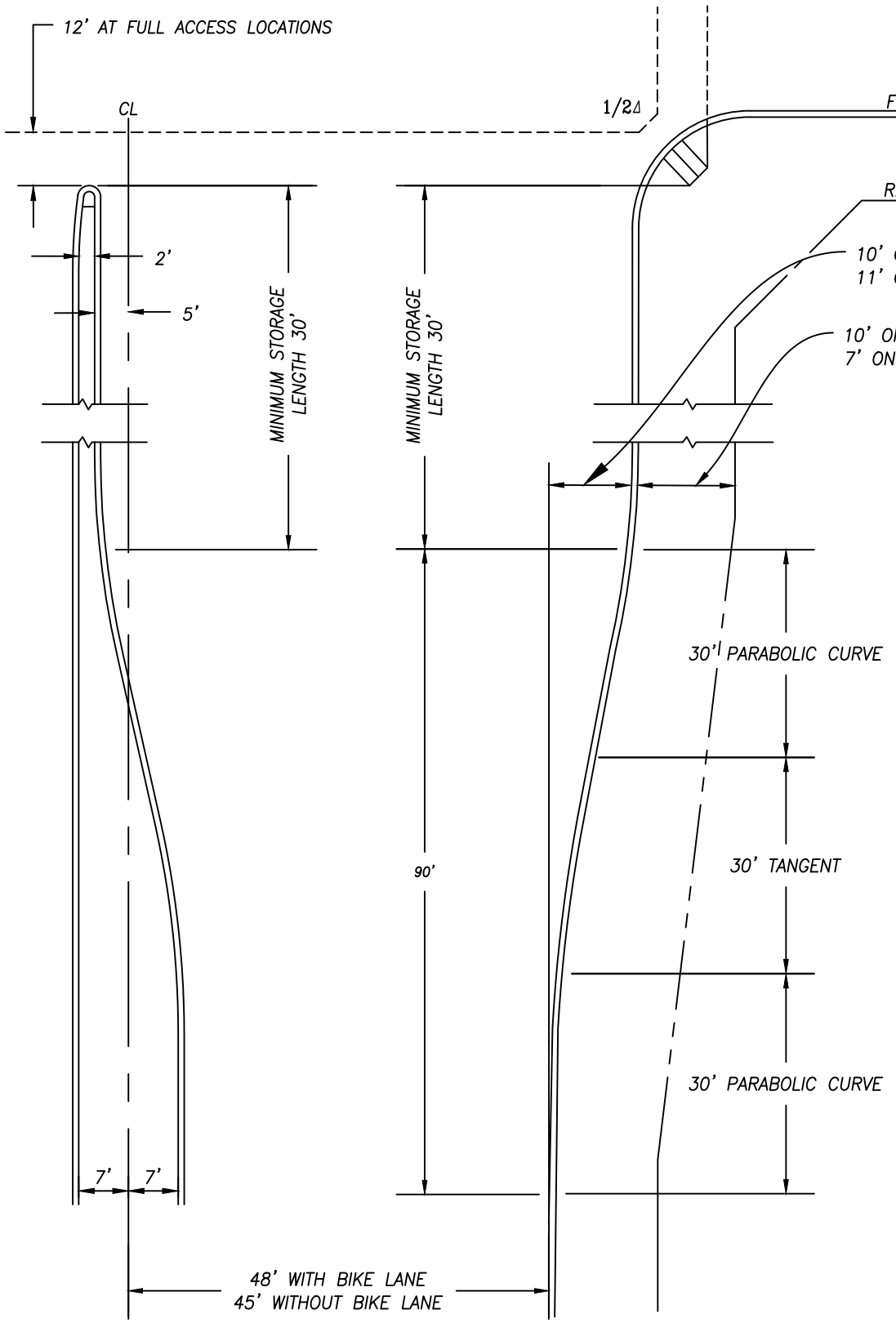


BASE PLATE DETAIL

NOTES:

1. BASE PLATE AND ANCHOR BOLT DIMENSIONS PER MANUFACTURE SPECIFICATIONS. AT MINIMUM, ANCHOR BOLTS 1"ø x36"x4". INSTALL PER MANUFACTURERS RECOMMENDATION.
2. FOOTING SHALL BE 4,000 P.S.I. CONCRETE AT 28 DAYS. CONTAINING NOT LESS THAN 590 POUNDS OF PORTLAND CEMENT PER CUBIC YARD WITH 1 INCH AGGREGATE AND 5 INCH MAXIMUM SLUMP. PLACED AGAINST UNDISTURBED SOIL.
3. REINFORCING DETAILS ARE MINIMUM REQUIREMENTS. IF AUTHORITY HAVING JURISDICTION OR MANUFACTURER HAVE MORE STRINGENT REQUIREMENTS, PROVIDE REINFORCEMENT MEETING THOSE MORE STRINGENT REQUIREMENTS.
4. NOT ALL REBAR SHOWN IN ELEVATION DETAIL IS FOR CLARITY PURPOSES ONLY.

SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	LIGHT POLE FOOTING	STANDARD No. SL–6

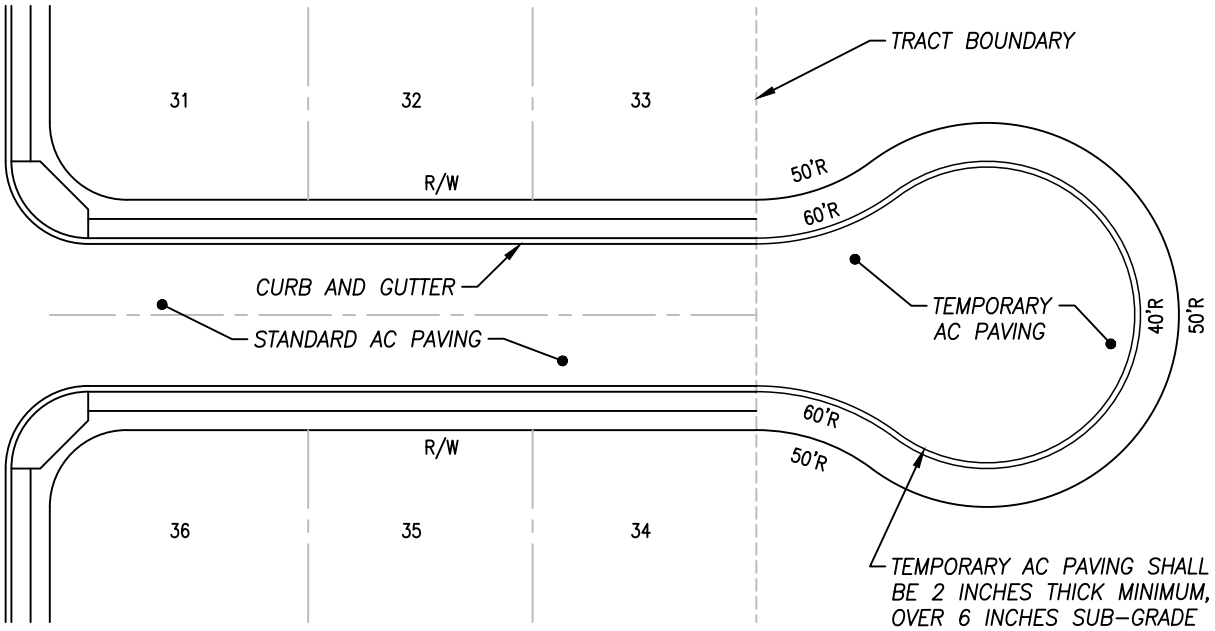


Median Taper Data	
	12'x 90'
Sta.	Offset
0+00	0.00'
0+05	0.13'
0+10	0.38'
0+15	0.75'
0+20	1.38'
0+25	2.13'
0+30	3.00'
0+60	9.00'
0+65	9.88'
0+70	10.63'
0+75	11.25'
0+80	11.63'
0+85	11.88'
0+90	12.00'

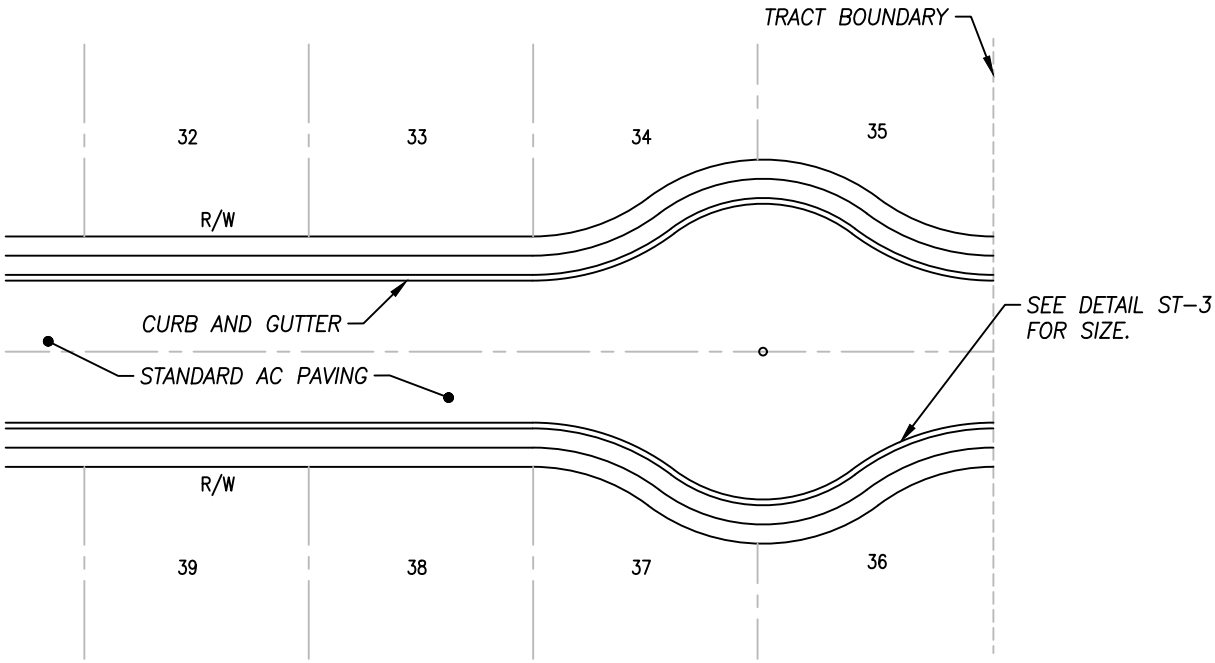
FL Taper Data		
	10'x 90'	11'x 90'
Sta.	Offset	Offset
0+00	0.00'	0.00'
0+05	0.10'	0.11'
0+10	0.31'	0.34'
0+15	0.63'	0.69'
0+20	1.15'	1.26'
0+25	1.77'	1.95'
0+30	2.50'	2.75'
0+60	7.75'	8.75'
0+65	8.23'	9.05'
0+70	8.85'	9.74'
0+75	9.38'	10.31'
0+80	9.69'	10.66'
0+85	9.90'	10.89'
0+90	10.00'	11.00'

FL Taper Data		
	10'x 60'	11'x 60'
Sta.	Offset	Offset
0+00	0.00'	0.00'
0+05	0.16'	0.17'
0+10	0.63'	0.69'
0+15	1.41'	1.55'
0+20	2.50'	2.75'
0+40	7.50'	8.25'
0+45	8.59'	9.45'
0+50	9.38'	10.31'
0+55	9.84'	10.83'
0+60	10.00'	11.00'

SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer	06/25/24 Date	LEFT AND RIGHT TURN LANES	STANDARD No. ST-1



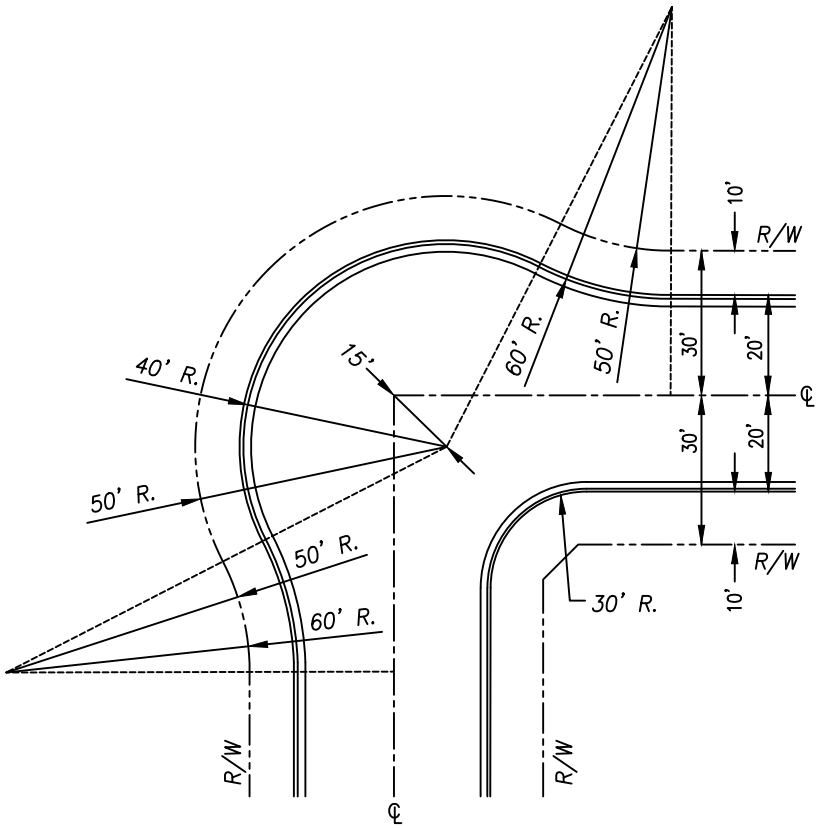
OFF-SITE TURNAROUND



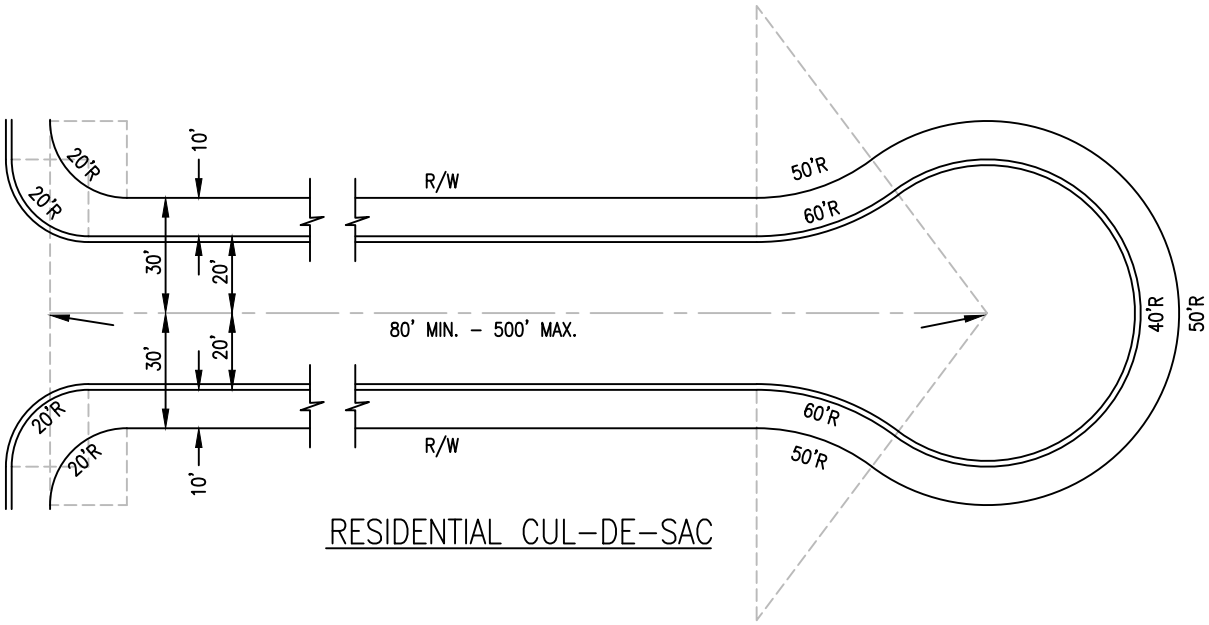
ON-SITE TURNAROUND

REQUIRED WHEN THE DEVELOPER IS UNABLE TO OBTAIN OFF-SITE DEDICATION OF RIGHT OF WAY.

SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	TURNAROUNDS FOR STREETS TO BE EXTENDED	STANDARD No. ST-2

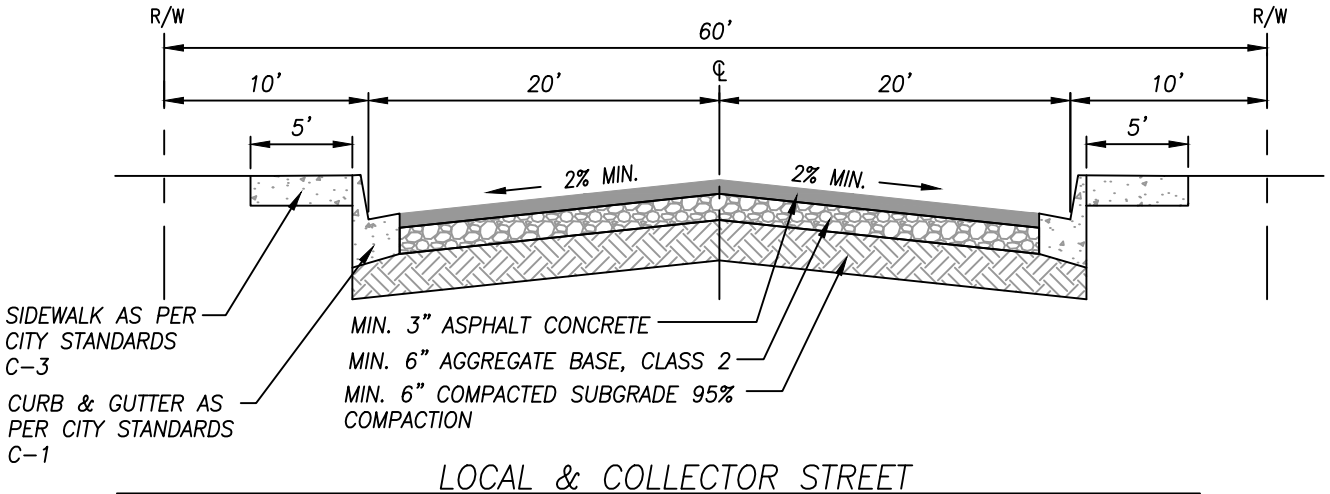


TYPICAL STREET BULB
CONNECTION WITH 10' DISTANCE
CURB FACE TO RIGHT OF WAY



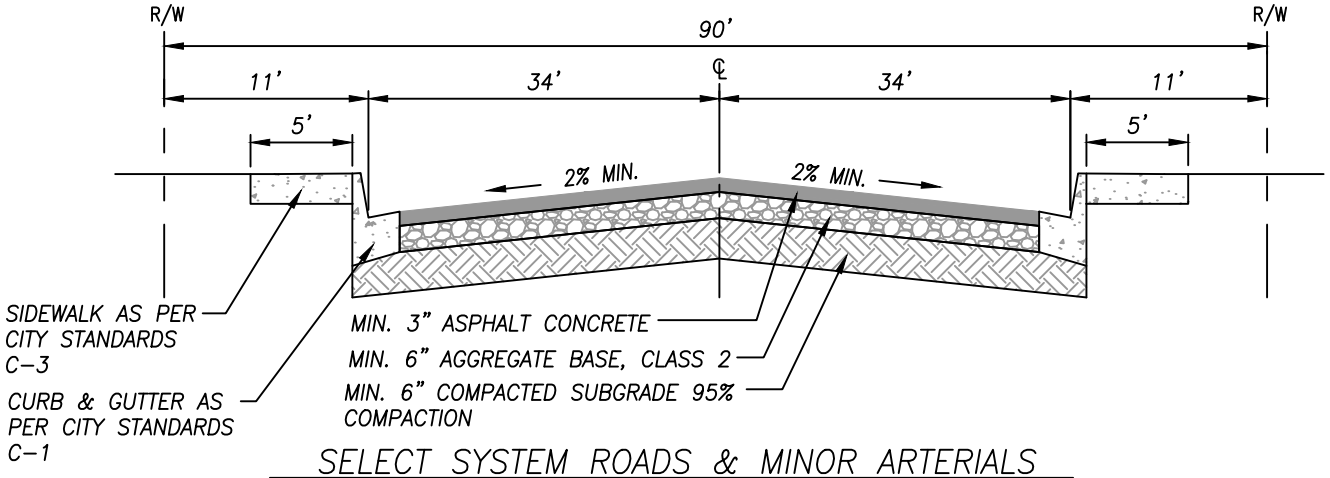
RESIDENTIAL CUL-DE-SAC

SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	STREET BULB & CUL-DE-SAC LAYOUT	STANDARD No. ST-3



LOCAL & COLLECTOR STREET

DESIGN CRITERION: TRAFFIC INDEX OF LOCAL: 6.0, COLLECTOR: 8.0



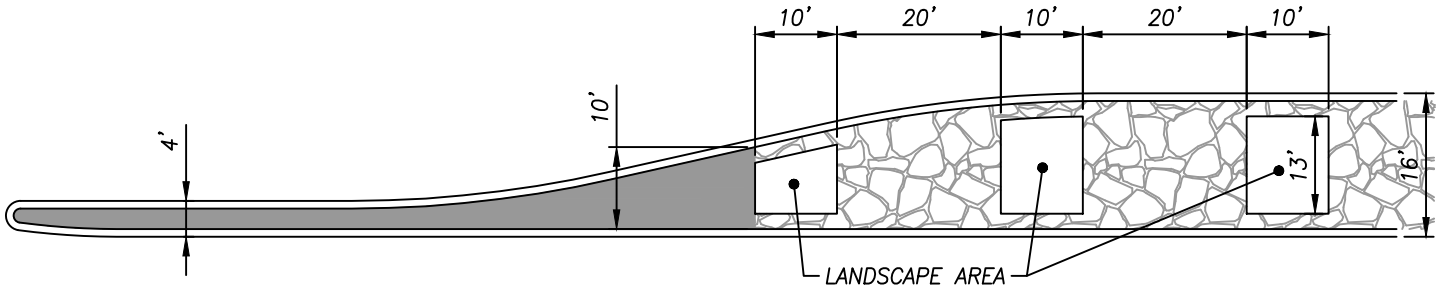
SELECT SYSTEM ROADS & MINOR ARTERIALS

DESIGN CRITERION: TRAFFIC INDEX OF 9.0 – 11.0

NOTES:

1. A FOG SEAL COAT SHALL BE APPLIED TO ALL NEW PAVEMENT SURFACES IN ACCORDANCE WITH CHAPTER 6, FOG AND REJUVENATING SEALS, OF THE CALTRANS FLEXIBLE PAVEMENT PRESERVATION MANUAL, MOST RECENT EDITION.
2. STRUCTURAL SECTIONS STATED HEREIN ARE MINIMUMS. STRUCTURE SECTIONS SHALL BE DETERMINED BASED ON TRAFFIC INDEX AND R-VALUES.
3. ASPHALT CONCRETE SHALL BE TYPE B, WITH 3/4 INCH AGGREGATE GRADATION AND PG 64-10 LIQUID ASPHALT BINDER UNLESS STATED OTHERWISE BY CITY ENGINEER.
4. TACK COAT IS REQUIRED AND SHALL BE APPLIED PER CITY STANDARD SPECIFICATIONS.
5. THE MINIMUM ATMOSPHERIC TEMPERATURE FOR ASPHALT CONCRETE SHALL BE PER CALTRANS SPECIFICATIONS, MOST CURRENT EDITION.

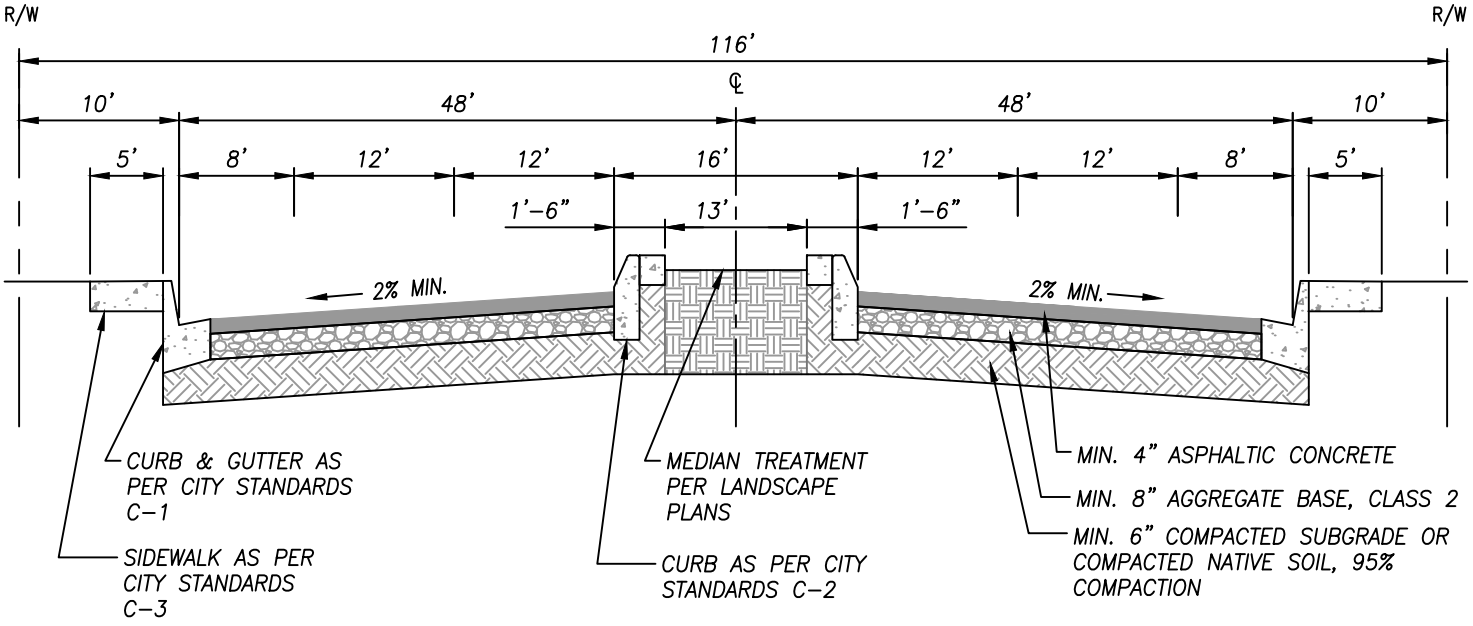
SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	TYPICAL STREET SECTIONS	STANDARD No. ST-4



PLAN VIEW

NOTES:

1. ANY MEDIAN SPACE LESS THAN 3 FEET BACK OF CURB TO BACK OF CURB SHALL BE SOLID CONCRETE FINISH.
2. END STAMPED CONCRETE WHERE MEDIAN ISLAND WIDTH IS 10 FEET BACK OF CURB TO BACK OF CURB.
3. SLEEVES SHALL BE PROVIDED THROUGH MEDIAN CONCRETE. IF CONDUIT OR OTHER IMPROVEMENT NEEDS TO RUN THROUGH MEDIAN CONCRETE IT SHALL BE DONE THROUGH BORING, NOT TRENCHING

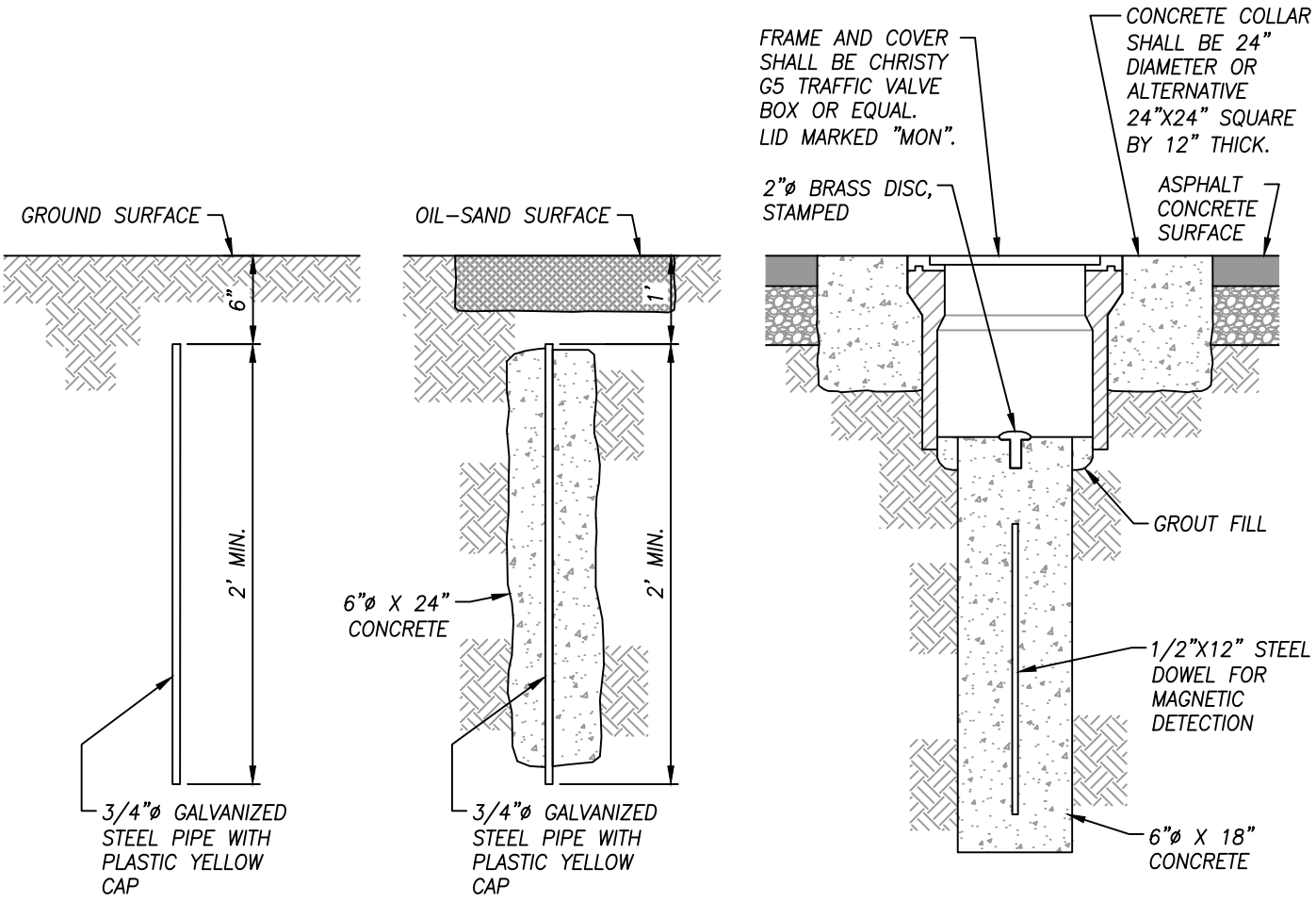


SELECT SYSTEM MEDIAN
DESIGN CRITERION: TRAFFIC INDEX OF 9.0 – 11.0

NOTES:

1. A FOG SEAL COAT SHALL BE APPLIED TO ALL NEW PAVEMENT SURFACES IN ACCORDANCE WITH CHAPTER 6, FOG AND REJUVENATING SEALS, OF THE CALTRANS FLEXIBLE PAVEMENT PRESERVATION MANUAL, MOST RECENT EDITION.
2. STRUCTURAL SECTIONS STATED HEREIN ARE MINIMUMS. STRUCTURE SECTIONS SHALL BE DETERMINED BASED ON TRAFFIC INDEX AND R–VALUES.
3. ASPHALT CONCRETE SHALL BE TYPE A, WITH 3/4 INCH AGGREGATE GRADATION AND PG 64–10 LIQUID ASPHALT BINDER UNLESS STATED OTHERWISE BY CITY ENGINEER.
4. TACK COAT IS REQUIRED AND SHALL BE APPLIED PER CITY STANDARD SPECIFICATIONS.
5. THE MINIMUM ATMOSPHERIC TEMPERATURE FOR ASPHALT CONCRETE SHALL BE PER CALTRANS SPECIFICATIONS, MOST CURRENT EDITION.

SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	TYPICAL STREET SECTION: MEDIAN	STANDARD No. ST–5



TYPE "A"
LOT CORNERS

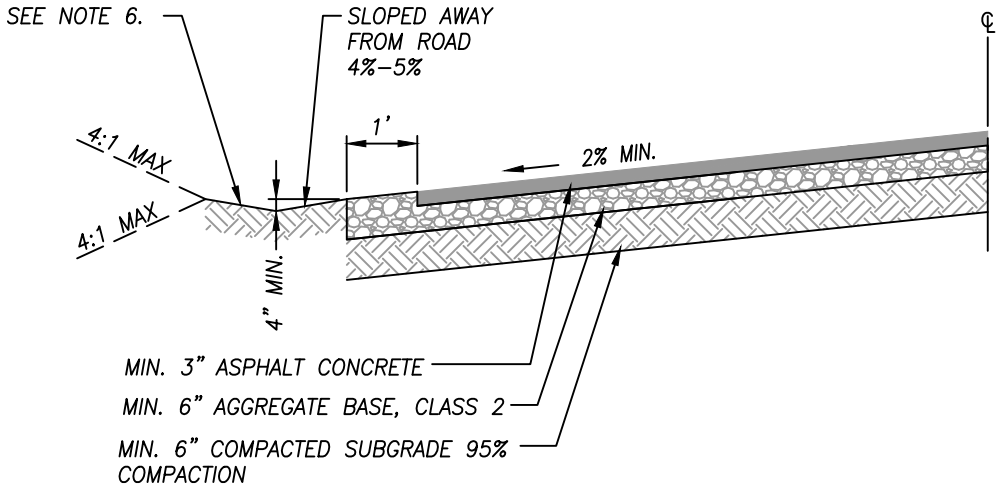
TYPE "B"
STREET MONUMENTS

TYPE "C"
STREET MONUMENTS

NOTES:

1. ALL MONUMENTS SET SHALL BE PERMANENTLY AND VISIBLY MARKED OR TAGGED WITH THE LICENSE NUMBER OF THE SURVEYOR OR CIVIL ENGINEER SETTING IT.
2. TYPE "C" STREET MONUMENTS SHALL BE USED TO LOCATE ALL ANGLE AND CURVE POINTS ON THE CENTERLINES OF ASPHALT CONCRETE SURFACED STREETS.
3. ALL LOT CORNERS SHALL BE MARKED WITH MONUMENT "A".
4. ADDITIONAL MONUMENTS MAY BE REQUIRED AT THE DISCRETION OF THE CITY SURVEYOR.

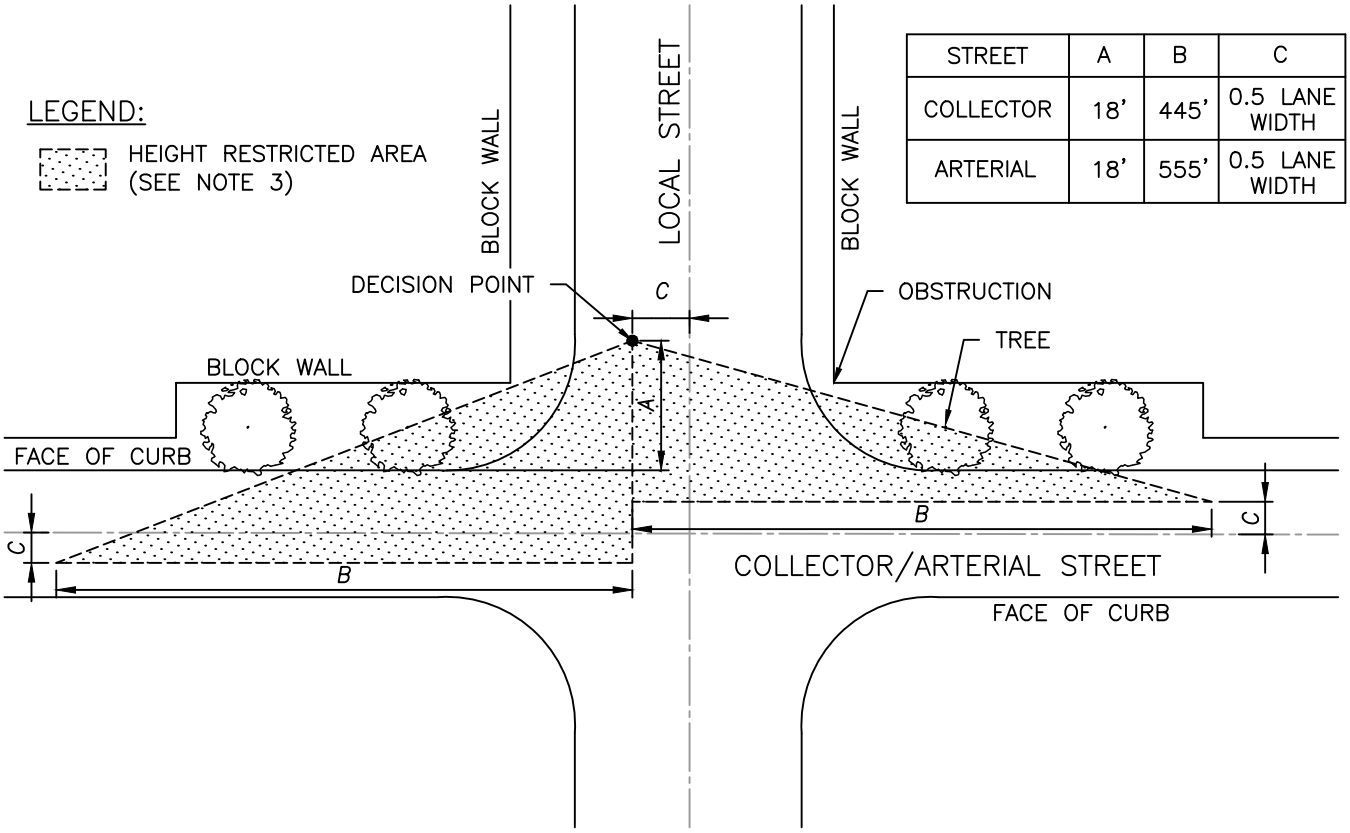
SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	MONUMENT DETAILS	STANDARD No. ST-6



NOTES:

1. A FOG SEAL COAT SHALL BE APPLIED TO ALL NEW PAVEMENT SURFACES IN ACCORDANCE WITH CHAPTER 6, FOG AND REJUVENATING SEALS, OF THE CALTRANS FLEXIBLE PAVEMENT PRESERVATION MANUAL, MOST RECENT EDITION.
2. STRUCTURAL SECTIONS STATED HEREIN ARE MINIMUMS. STRUCTURE SECTIONS SHALL BE DETERMINED BASED ON TRAFFIC INDEX AND R–VALUES.
3. ASPHALT CONCRETE SHALL BE TYPE B, WITH 3/4 INCH AGGREGATE GRADATION AND PG 64–10 LIQUID ASPHALT BINDER UNLESS STATED OTHERWISE BY CITY ENGINEER.
4. TACK COAT IS REQUIRED AND SHALL BE APPLIED PER CITY STANDARD SPECIFICATIONS.
5. THE MINIMUM ATMOSPHERIC TEMPERATURE FOR ASPHALT CONCRETE SHALL BE PER CALTRANS SPECIFICATIONS, MOST CURRENT EDITION.
6. DRAINAGE SWALE DIMENSIONS MAY BE MODIFIED AS ALLOWED BY CITY ENGINEER.

SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	TYPICAL STREET SECTIONS	STANDARD No. ST–7



STREET	A	B	C
COLLECTOR	18'	445'	0.5 LANE WIDTH
ARTERIAL	18'	555'	0.5 LANE WIDTH

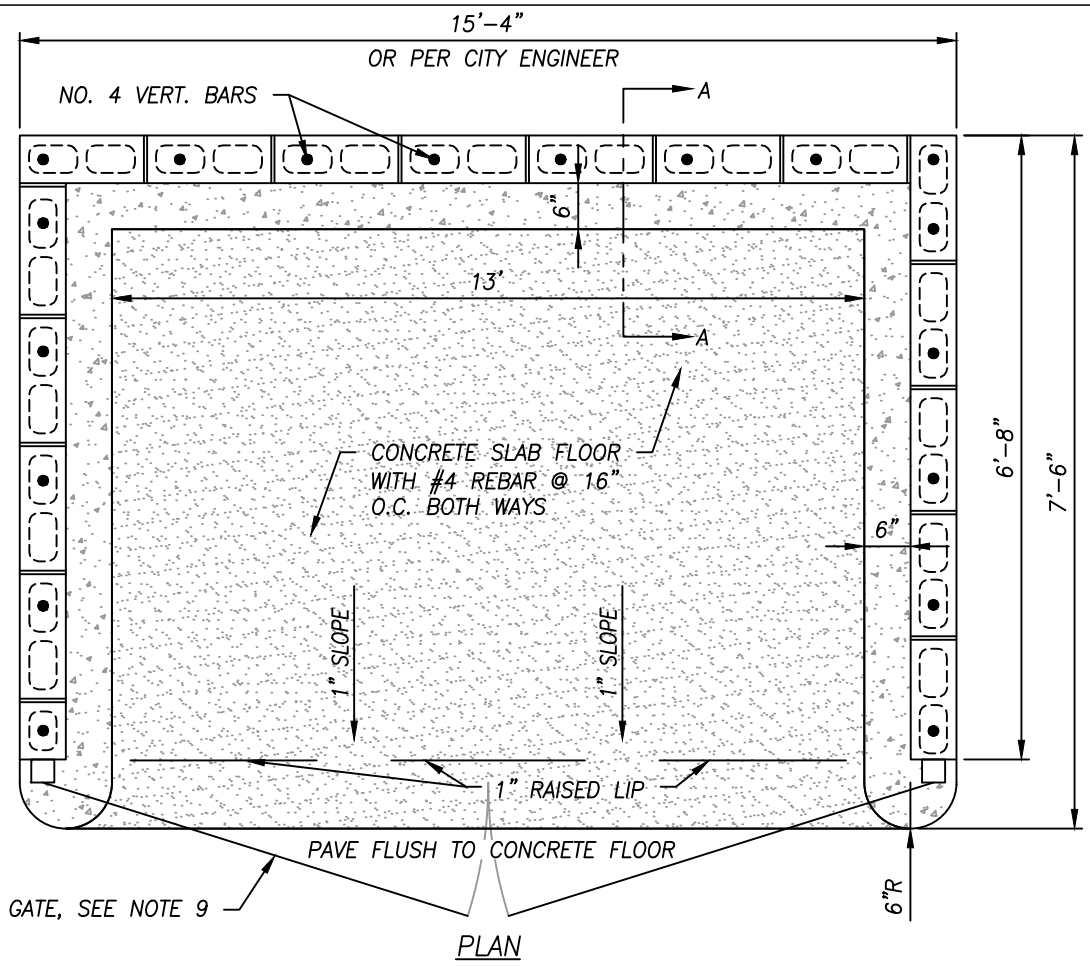
VISIBILITY TRIANGLES

NOT TO SCALE

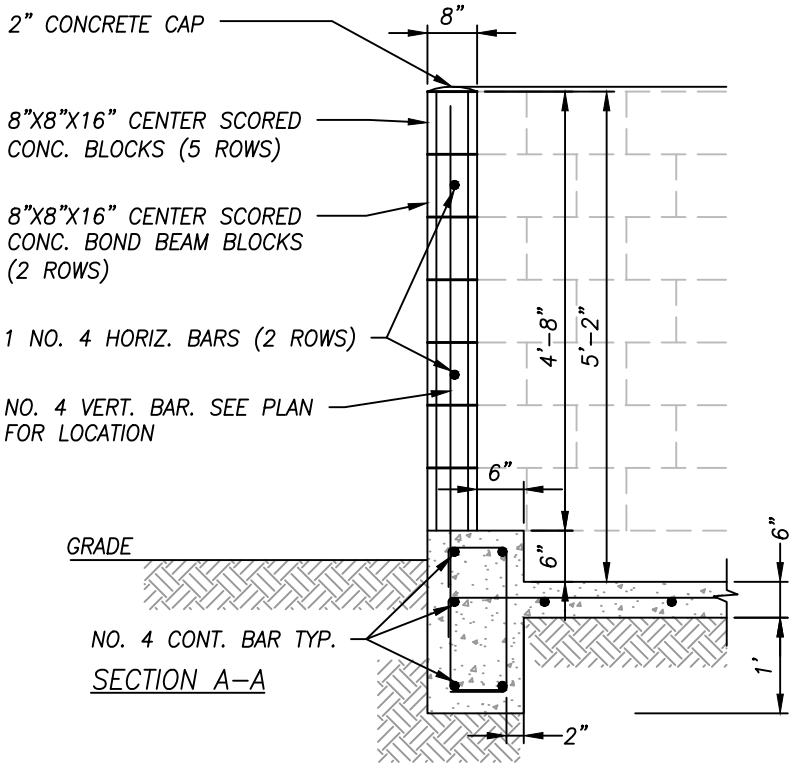
NOTES:

1. *DIMENSIONS SHOWN IN THE TABLE ABOVE SHALL BE VERIFIED BASED ON AASHTO STANDARDS.*
2. *SIGHT DISTANCE FOR A COLLECTOR ROADWAY IS BASED ON A PASSENGER CAR ON A ROADWAY THAT PROVIDES 1–LANE IN EACH DIRECTION WITH NO MEDIAN, A DESIGN SPEED OF 40 MPH, AND AN APPROACH GRADE OF LESS THAN THREE PERCENT.*
3. *SIGHT DISTANCE FOR AN ARTERIAL ROADWAY IS BASED ON A PASSENGER CAR ON A ROADWAY THAT PROVIDES 1 LANE IN EACH DIRECTION WITH NO MEDIAN, A DESIGN SPEED OF 50 MPH, AND AN APPROACH GRADE OF LESS THAN THREE PERCENT.*
4. *NO SIGNS, FENCES, WALLS, UTILITY BOXES, STRUCTURES, SHRUBS, HEDGES, OR OTHER PLANTS, (EXCLUDING TREES), OVER 30 INCHES IN HEIGHT SHALL BE PERMITTED WITHIN THE RESTRICTED AREAS.*
5. *TREES ARE PERMITTED WITHIN THE RESTRICTED AREAS PROVIDED:*
   - A. *NO LIMBS, LEAVES NEEDLES OR OTHER FOLIAGE ABOVE 30 INCHES OR BELOW 84 INCHES ARE PERMITTED.*
   - B. *TREES ARE PLANTED SO AS NOT TO OBSTRUCT 20 PERCENT OF THE VISIBILITY WHEN COMBINED WITH OTHER OBSTRUCTIONS PRESENT.*
6. *SIGHT DISTANCE FOR TYPICAL RIGHT ANGLE INTERSECTION ONLY AS SHOWN ABOVE. SKEWED INTERSECTIONS OR OTHER CONDITIONS WILL REQUIRE ADDITIONAL DESIGN FOR REVIEW AND APPROVAL FROM CITY ENGINEER.*

SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	SIGHT LINE REQUIREMENTS	STANDARD No. ST–8



PLAN

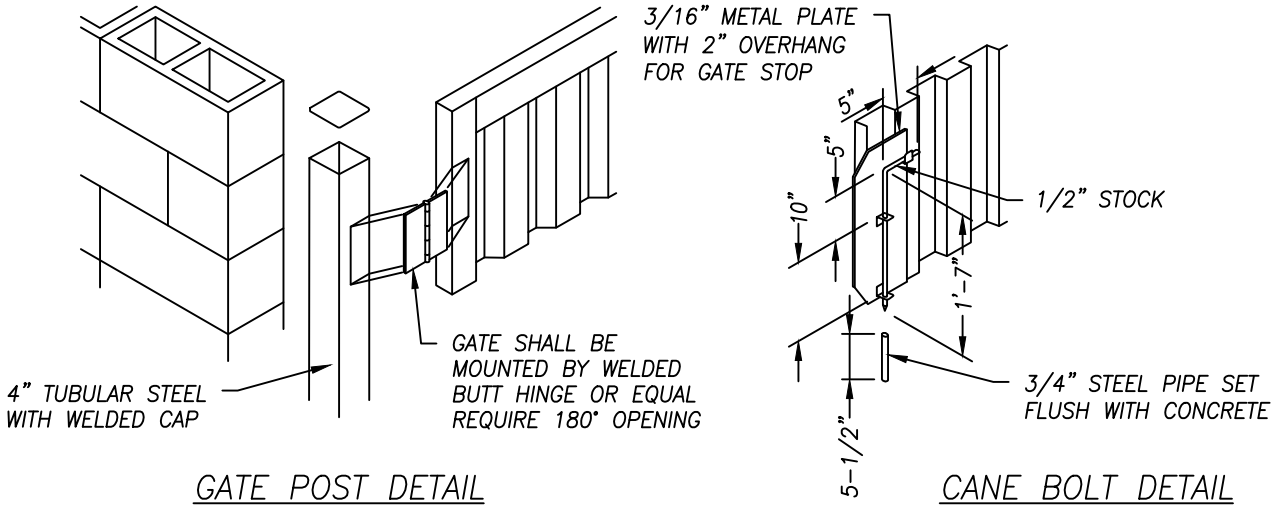


SECTION A–A

NOTES:

1. ALL CELLS IN CONCRETE BLOCKS SHALL BE FILLED SOLID WITH COARSE GROUT.
2. CORNER BLOCK ENDS AND CENTER WEB SHALL BE CUT TO FORM CONTINUOUS BOND BEAM.
3. ALL HORIZONTAL AND VERTICAL JOINTS SHALL BE RAKED TO MATCH CENTER SCORED BLOCK.
4. CONCRETE BLOCK, MORTAR AND COARSE GROUT SHALL CONFORM WITH CURRENT CALIFORNIA BUILDING CODE (CBC) STANDARDS.
5. SLAB FLOOR AND FOOTING SHALL BE 4,000 P.S.I. CONCRETE AT 28 DAYS. CONTAIN NOT LESS THAN 590 POUNDS OF PORTLAND CEMENT PER CUBIC YARD WITH 1 INCH AGGREGATE AND 5 INCH MAXIMUM SLUMP.
6. GROUND TO BE SLOPED AWAY FROM WALLS.
7. MULTIPLE BIN ENCLOSURES SHALL BE EVEN MULTIPLES OF 10 FEET IN WIDTH.
8. REINFORCE BARS SHALL BE ASTM A615 GRADE 40 DEFORMED STEEL AND SHALL BE CLEAN OF DIRT AND RUST BEFORE PLACEMENT.
9. TRASH ENCLOSURE SHALL BE A MINIMUM 5 FEET FROM ANY BUILDING WALL LINE. OTHERWISE MUST COMPLY TO STRICTER REQUIREMENTS PER CALIFORNIA FIRE CODE.
10. LOCATION OF CONTAINER ENCLOSURE TO BE APPROVED BY THE CITY OF McFARLAND.
11. FOR GATE DETAIL, SEE T–2

SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	BLOCK TRASH ENCLOSURE	STANDARD No. T–1

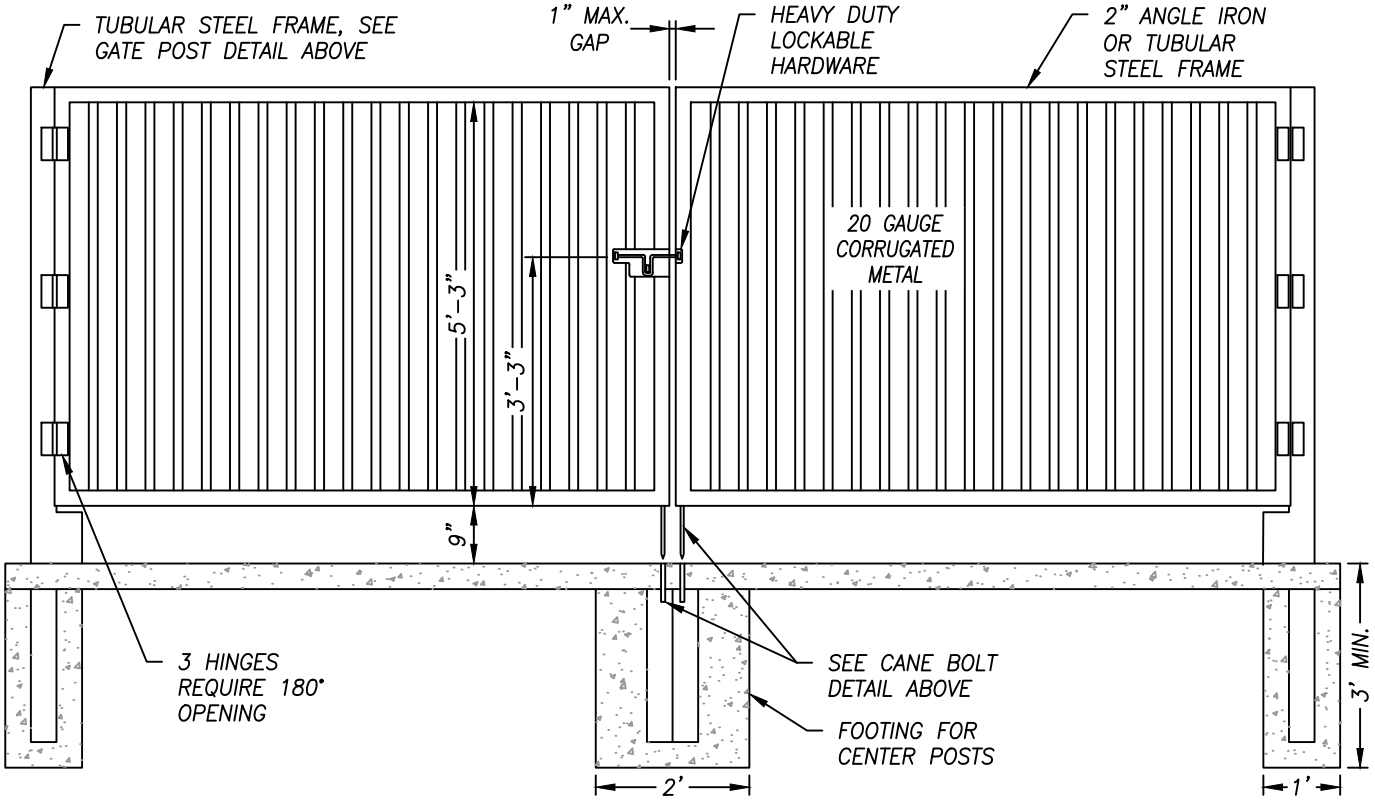


GATE POST DETAIL

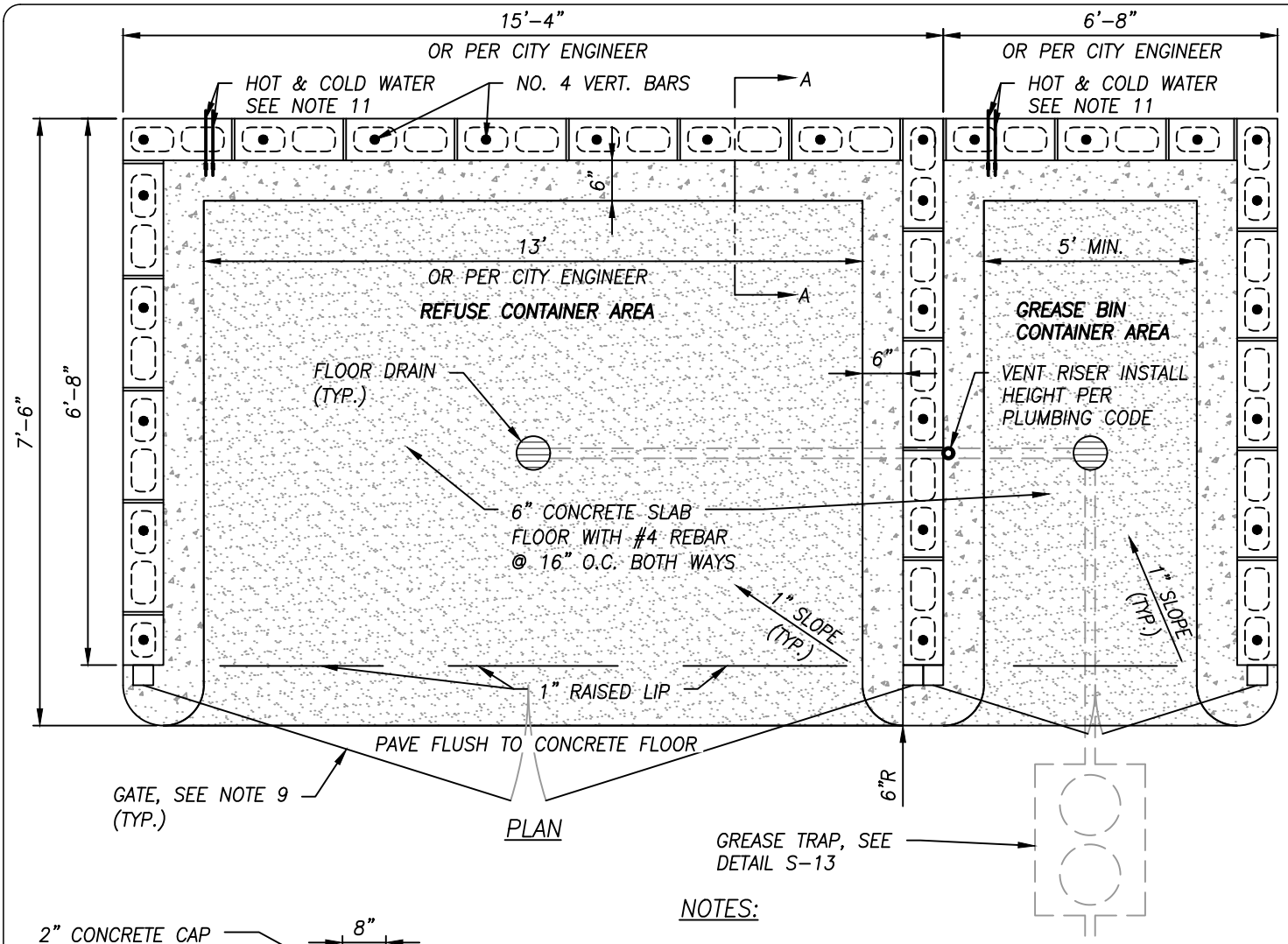
CANE BOLT DETAIL

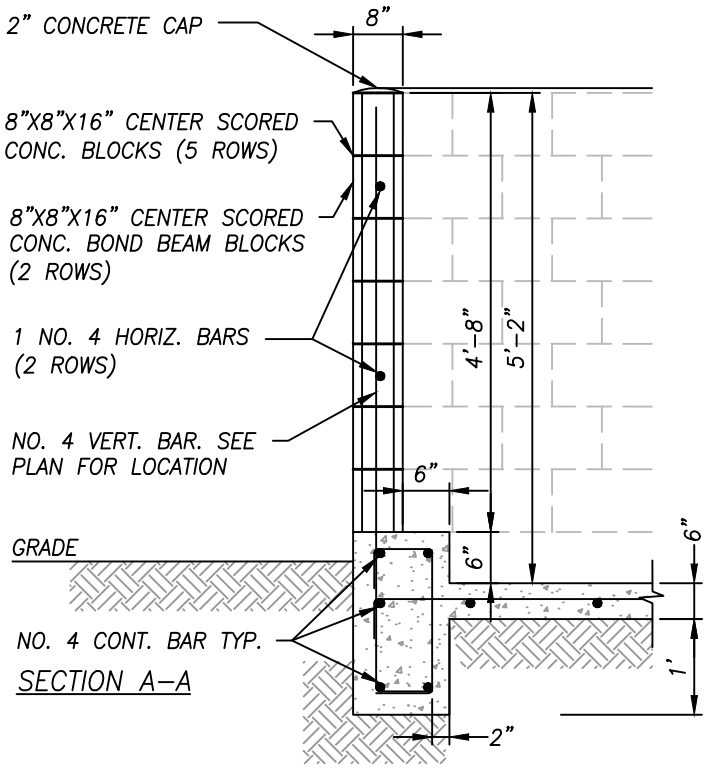
NOTES:

1. GATES TO BE PAINTED TO MATCH BUILDING ACCENT FEATURES.
2. DESIGN, ENGINEERING AND CONSTRUCTION NOT SPECIFICALLY NOTED SHALL BE IN ACCORDANCE WITH ACCEPTED INDUSTRY STANDARDS AND OF FIRST QUALITY.
3. CONCRETE APRON SHALL INCLUDE TOE 3/4 INCH STEEL PIPES SET FLUSH WITH THE CONCRETE FOR EACH GATE DOOR, BASED ON LOCATION OF CANE BOLTS ON GATE, TO SECURE THE GATE IN THE OPEN OR CLOSED POSITION. SEE TRASH ENCLOSURE CONCRETE APRON DETAIL T-6.
4. GATE POST SHALL ABUT TRASH ENCLOSURE.
5. SUBMIT DETAILS OF TRASH ENCLOSURES AND/OR TRASH CONTAINERS REQUIRED TO BE ACCESSIBLE UNDER THE CURRENT CALIFORNIA BUILDING CODE (CBC), OR MODIFY THIS DETAIL AS NECESSARY FOR REVIEW AND ACCEPTANCE FROM THE CITY ENGINEER.



SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	TRASH ENCLOSURE GATE	STANDARD No. T-2

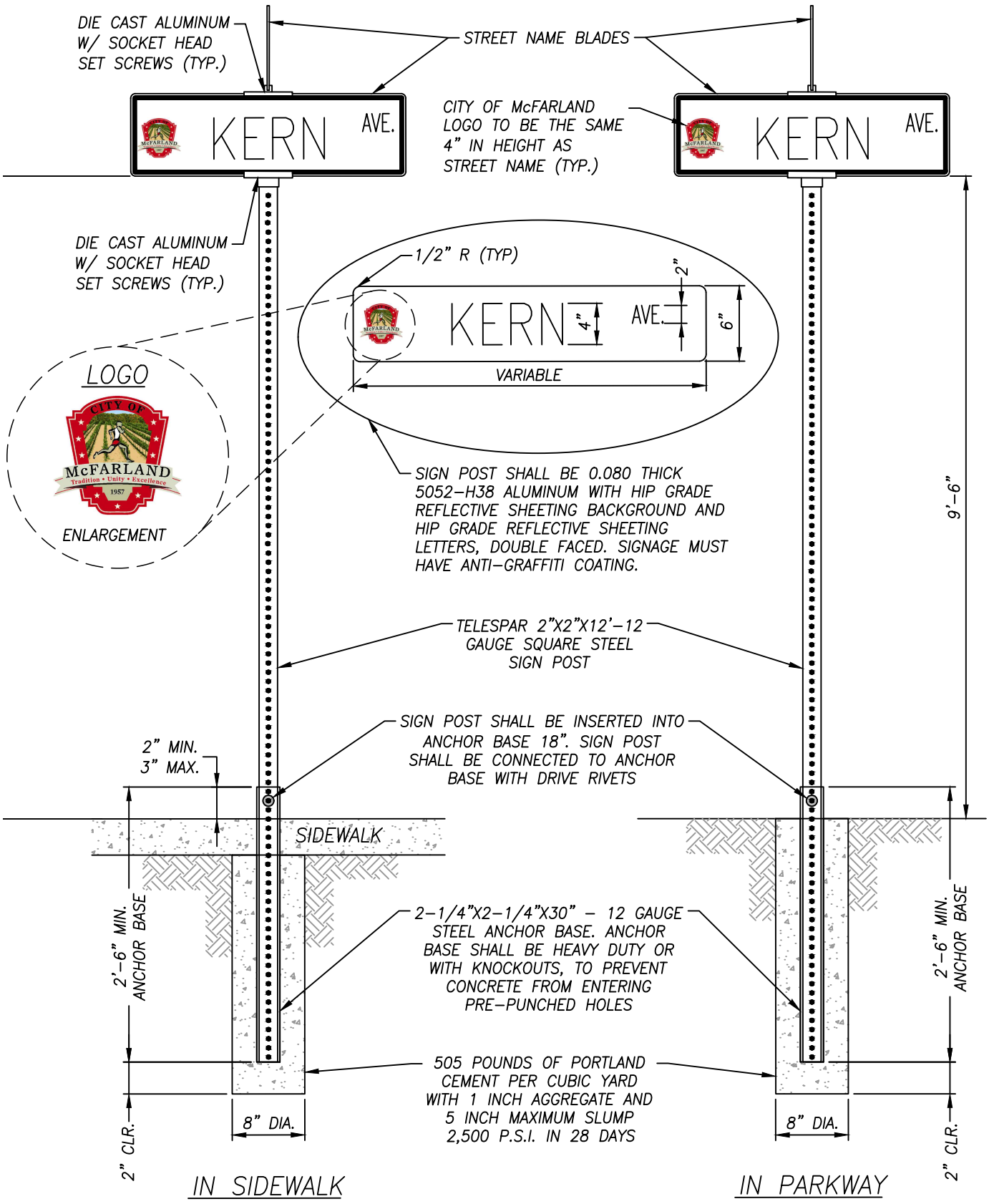




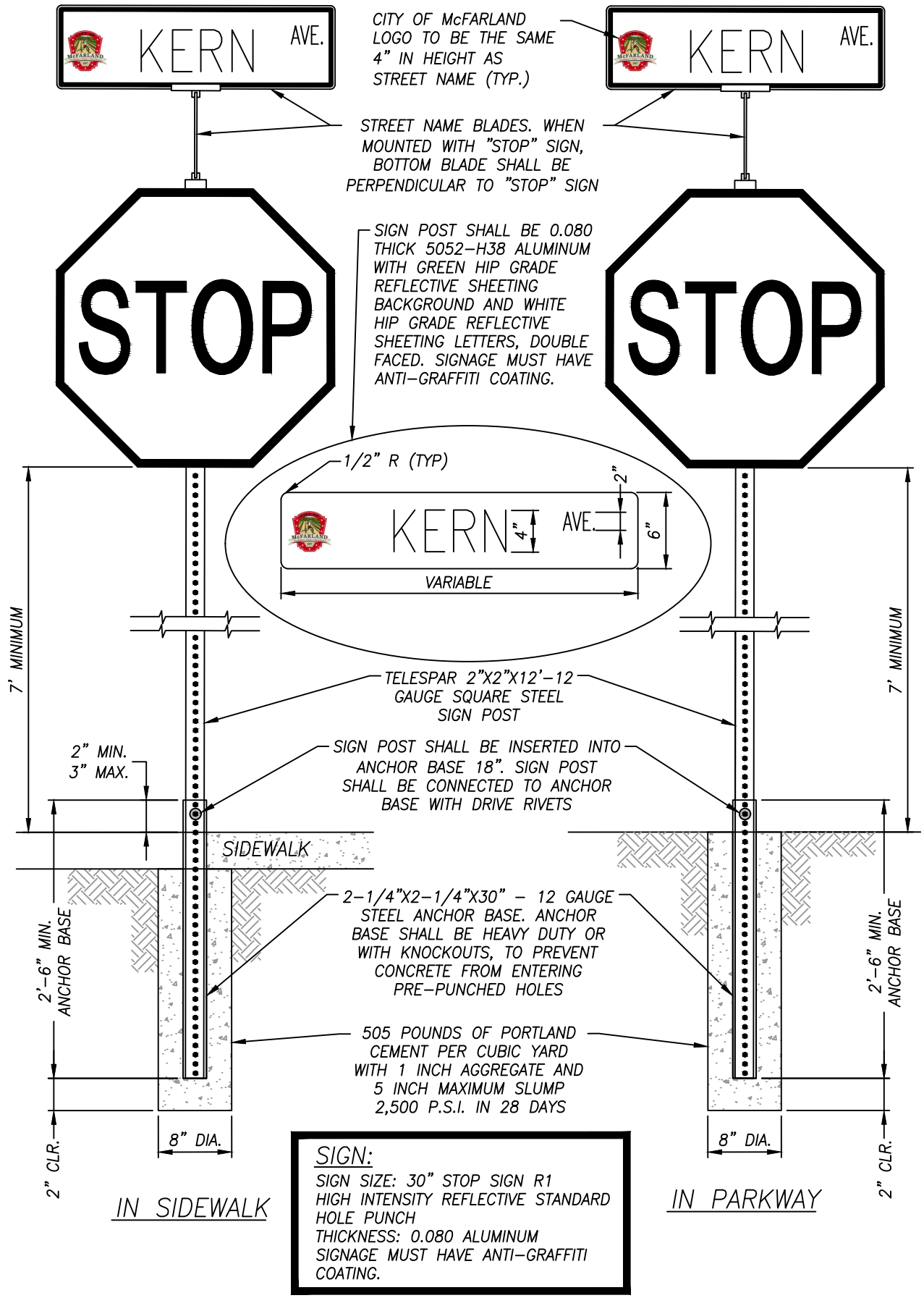
NOTES:

1. ALL CELLS IN CONCRETE BLOCKS SHALL BE FILLED SOLID WITH COARSE GROUT.
2. CORNER BLOCK ENDS AND CENTER WEB SHALL BE CUT TO FORM CONTINUOUS BOND BEAM.
3. ALL HORIZONTAL AND VERTICAL JOINTS SHALL BE RAKED TO MATCH CENTER SCORED BLOCK.
4. CONCRETE BLOCK, MORTAR AND COARSE GROUT SHALL CONFORM WITH CURRENT CALIFORNIA BUILDING CODE (CBC) STANDARDS.
5. SLAB FLOOR AND FOOTING SHALL BE 4,000 P.S.I. CONCRETE AT 28 DAYS. CONTAIN NOT LESS THAN 590 POUNDS OF PORTLAND CEMENT PER CUBIC YARD WITH 1 INCH AGGREGATE AND 5 INCH MAXIMUM SLUMP.
6. GROUND TO BE SLOPED AWAY FROM WALLS.
7. MULTIPLE BIN ENCLOSURES SHALL BE EVEN MULTIPLES OF 10 FEET IN WIDTH.
8. REINFORCE BARS SHALL BE ASTM A615 GRADE 40 DEFORMED STEEL AND SHALL BE CLEAN OF DIRT AND RUST BEFORE PLACEMENT.
9. TRASH ENCLOSURE SHALL BE A MINIMUM 5 FEET FROM ANY BUILDING WALL LINE. OTHERWISE MUST COMPLY TO STRICTER REQUIREMENTS PER CALIFORNIA FIRE CODE.
10. LOCATION OF CONTAINER ENCLOSURE TO BE APPROVED BY THE CITY OF McFARLAND.
11. HOT AND COLD WATER HOSE BIBS WITH VACUUM BREAKERS OR STEAM CLEANING APPARATUS REQUIRED.
12. ALL PLUMBING REQUIRED MUST BE APPROVED BY CITY ENGINEER.
13. FOR GATE DETAIL, SEE T-2

SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	RESTAURANT/AUTO MOTIVE BLOCK TRASH ENCLOSURE	STANDARD No. T-3



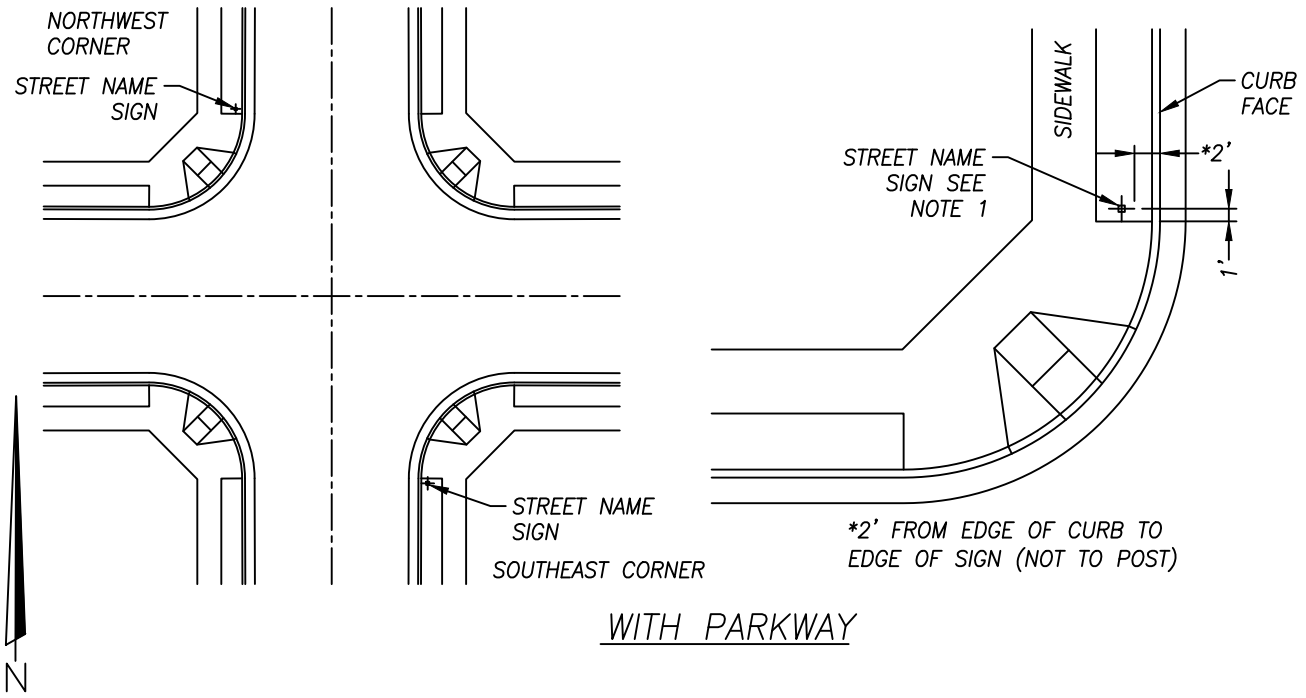
SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	STREET NAME SIGN INSTALLATION	STANDARD No. TS-1



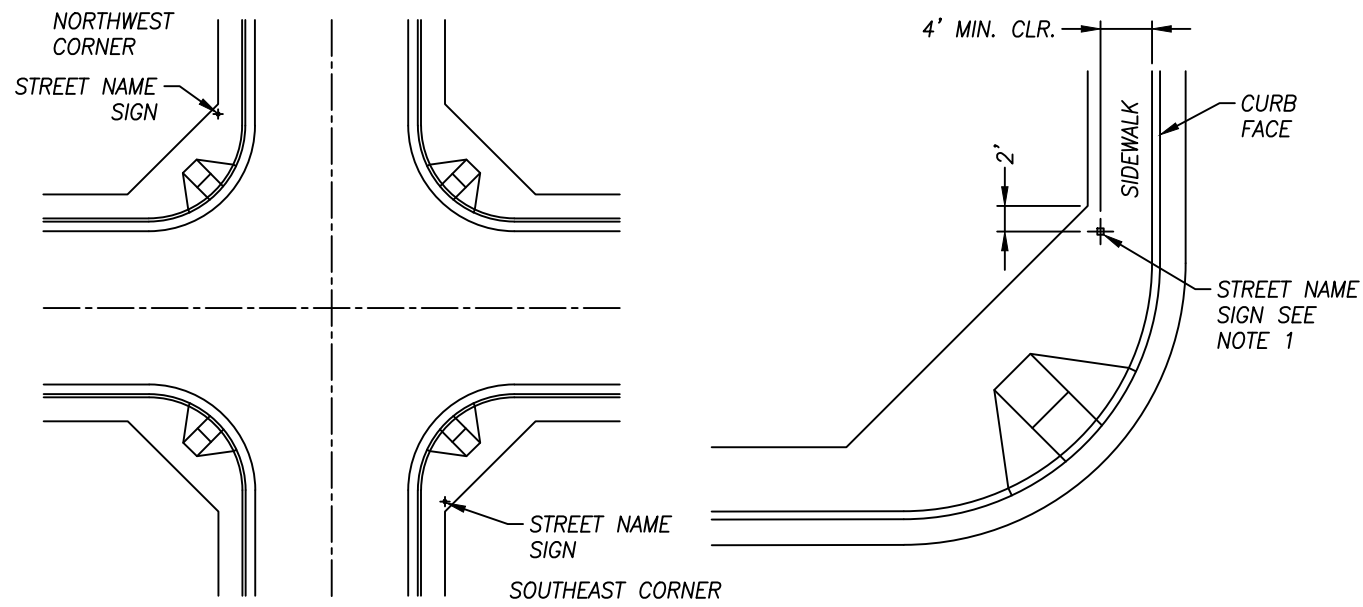
SIGN:

SIGN SIZE: 30" STOP SIGN R1
HIGH INTENSITY REFLECTIVE STANDARD HOLE PUNCH
THICKNESS: 0.080 ALUMINUM
SIGNAGE MUST HAVE ANTI-GRAFFITI COATING.

SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	STREET NAME SIGN INSTALLATION WITH "STOP" (R1) SIGN	STANDARD No. TS-2



WITH PARKWAY

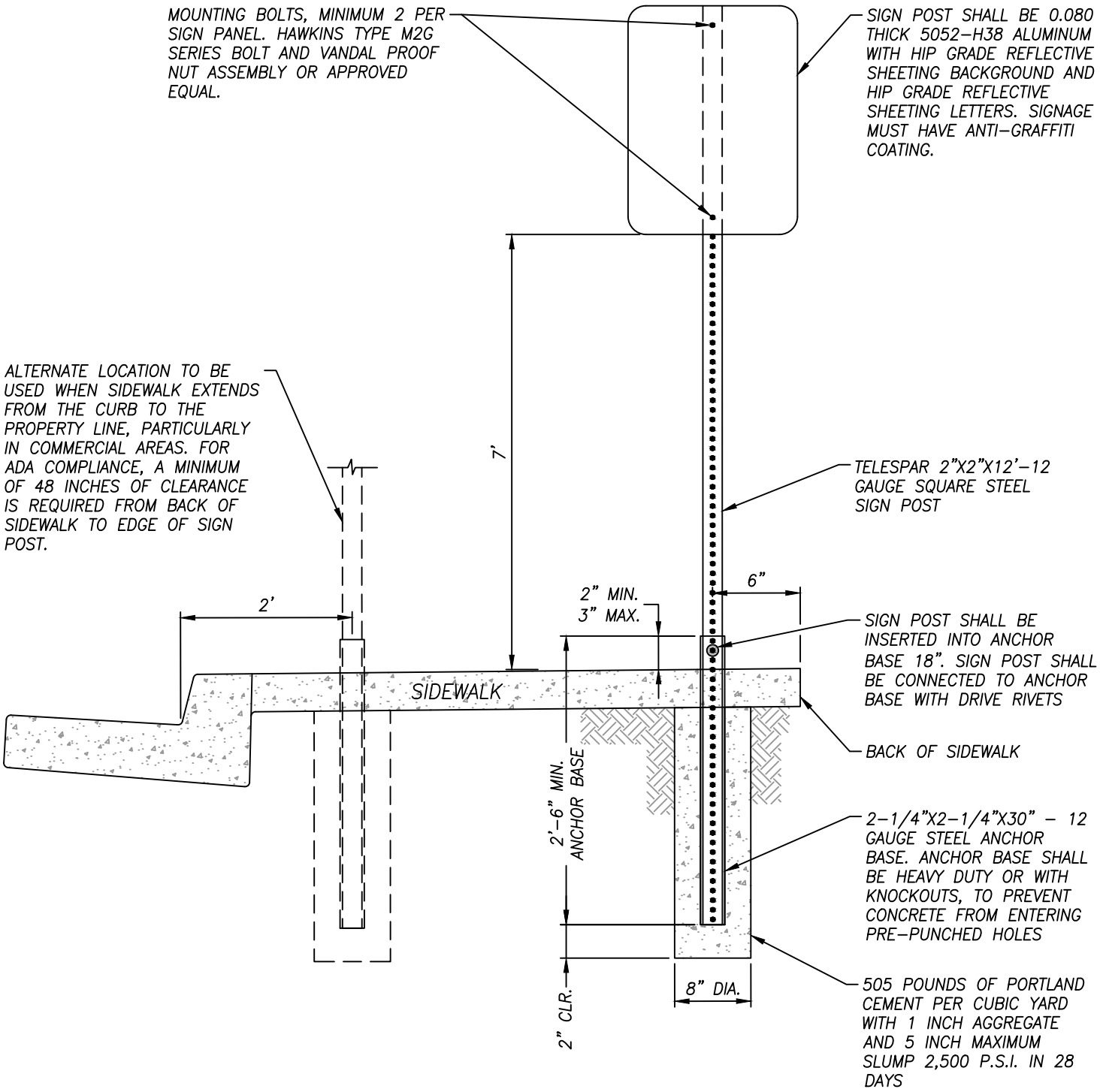


WITHOUT PARKWAY

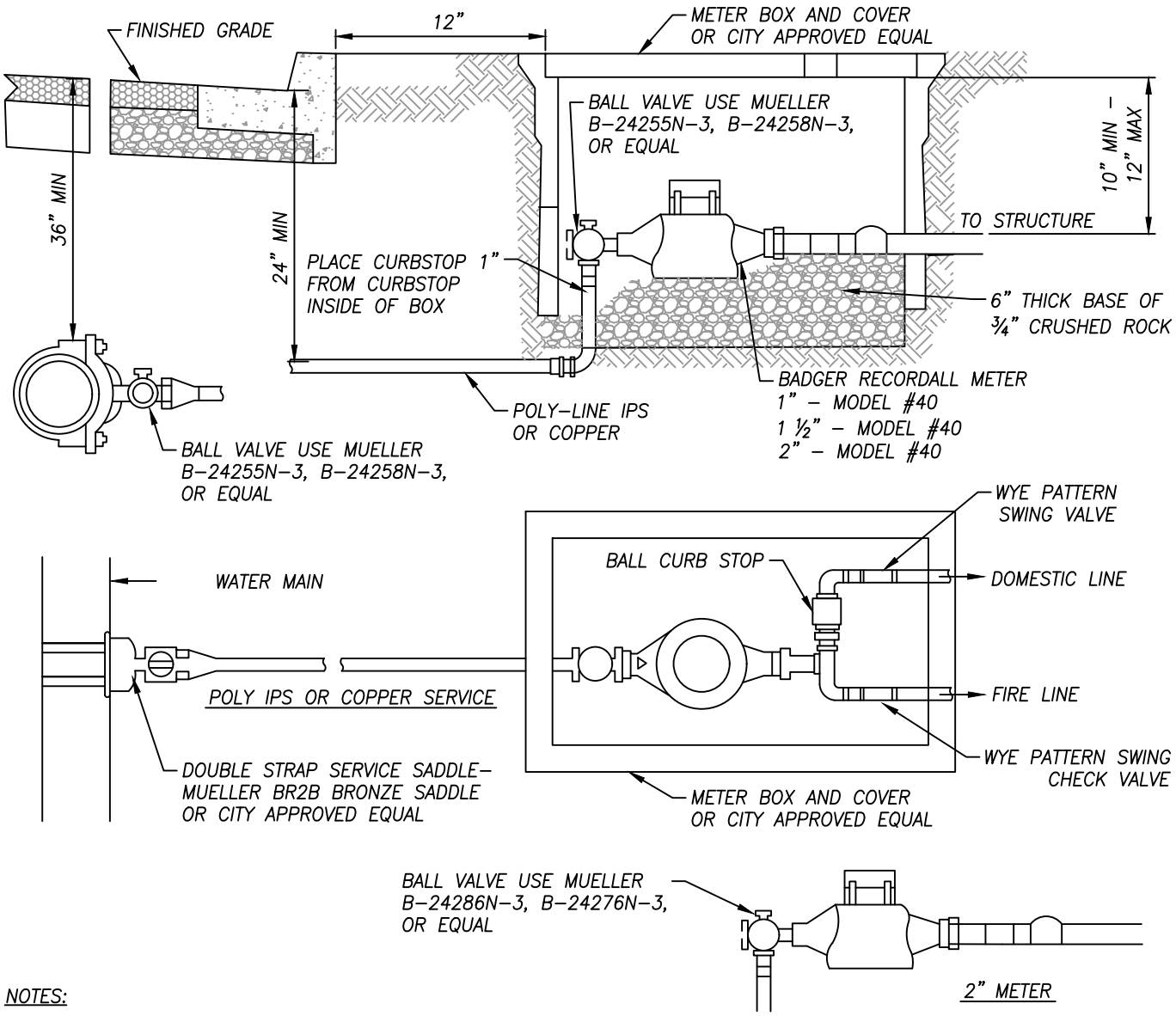
NOTES:

1. STREET NAME SIGNS SHALL BE TYPICALLY LOCATED ON THE NORTHWEST OR SOUTHEAST CORNER OF AN INTERSECTION UNLESS PLACED ON A STOP SIGN PER STREET NAME SIGN INSTALLATION WITH "STOP" (R1) SIGN.
2. STREET NAME SIGNS SHALL BE PLACED ON STOP SIGNS WHENEVER POSSIBLE.
3. STREET NAME SIGNS LOCATED IN SIDEWALK AREAS SHALL MAINTAIN A FOUR FOOT HORIZONTAL CLEAR PEDESTRIAN ACCESS ROUTE.
4. IF NO CURB IS PRESENT, SIGNS ARE TO BE INSTALLED A MINIMUM OF 6 FEET–12 FEET FROM EDGE OF PAVEMENT AND/OR AS REQUIRED PER THE CA MUTCD.

SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	STREET NAME SIGN LOCATION (LOCAL STREETS)	STANDARD No. TS-3



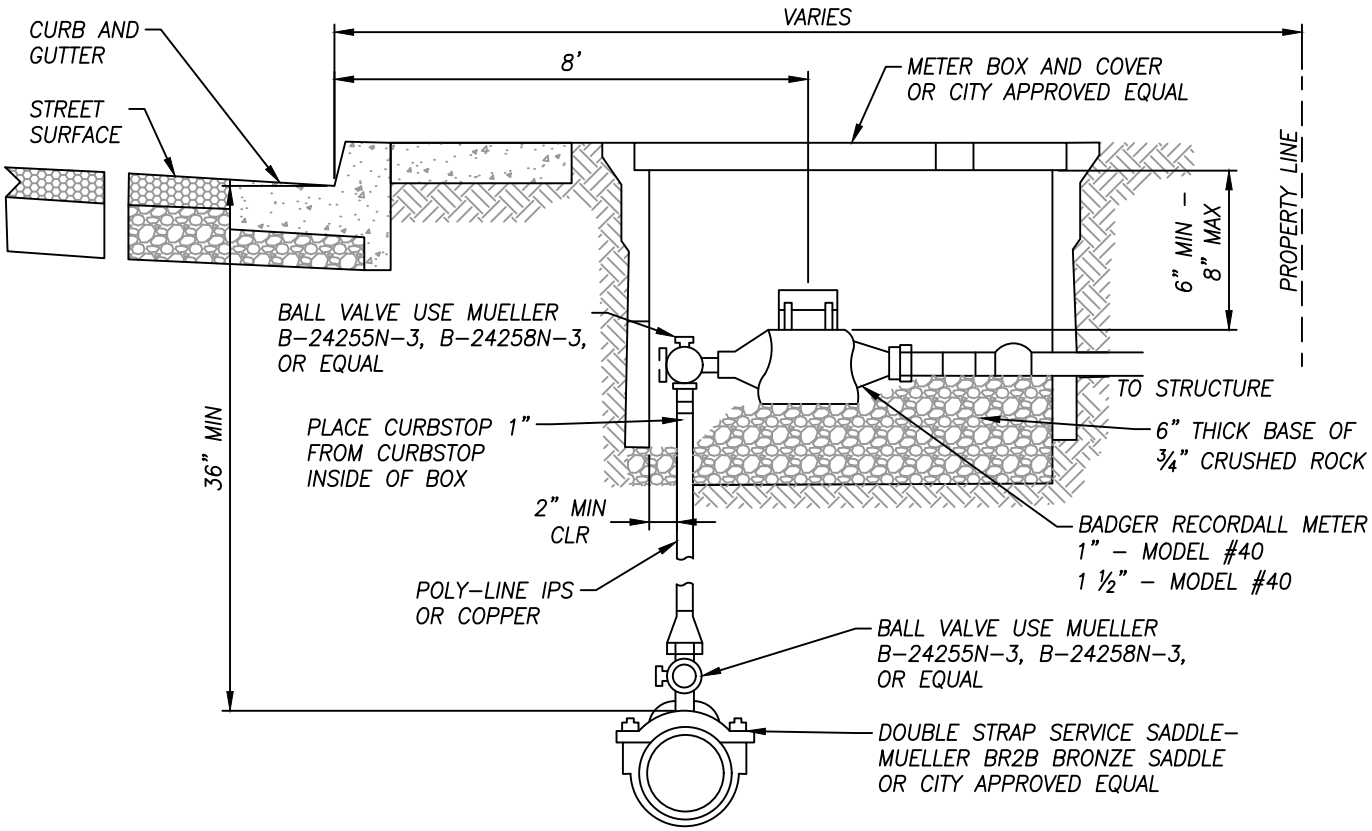
SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	MISCELLANEOUS SIGN DETAIL	STANDARD No. TS–4

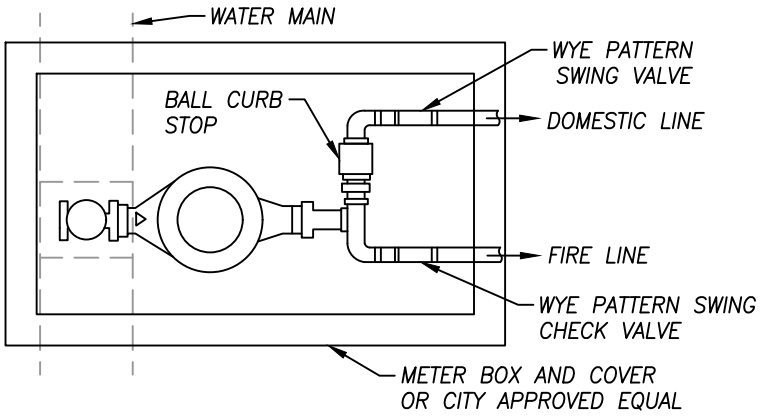


NOTES:

1. 1" SERVICE SHALL BE COPPER TYPE "K" SOFI.
2. SPLICES IN THE SERVICE LINE ARE TO BE AVOIDED, BUT WHERE APPROVED, THEY SHALL BE MADE USING CTS GRIP-TYPE COMPRESSION COUPLING.
3. ALL FITTINGS ARE COPPER OR BRASS AND SHALL BE MUELLER 110 (CONDUCTIVE TYPE) COMPRESSION CONNECTIONS OR CITY APPROVED EQUAL.
4. PACK JOINT FITTINGS ARE NOT ACCEPTABLE.
5. METER BOXES PLACED IN CONCRETE OR LANDSCAPE SHALL BE ARMORCAST POLYMER CONCRETE 20K A6001640PCX12 BOX, WITH 20K SINGLE TOP MOUNT AMR/AMI LID.
6. FOR 1 INCH WATER SERVICE, METER SHALL BE BADGER RECORDALL METER.
7. NO WATER SERVICE SHALL BE INSTALLED IN A DRIVE APPROACH OR WING.
8. SIZE OF SERVICES MUST BE APPROVED BY THE CITY OF McFARLAND.
9. SERVICE DEPTH SHALL BE 2"-6" MIN. @ FLOWLINE.
10. THE WATER LINE SHALL EXTEND PERPENDICULAR TO THE CENTERLINE OF THE STREET FROM THE WATER MAIN TO CURB STOP.
11. METER BOXES SHALL BE CONSTRUCTED APPROX. 8' BEHIND FLOWLINE WHERE SIDEWALKS ARE ADJACENT TO CURBS, OR ACCORDING TO TRACT MAP.

SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	1", 1 ½", 2" DUAL WATER LONG SERVICE	STANDARD No. W-3A

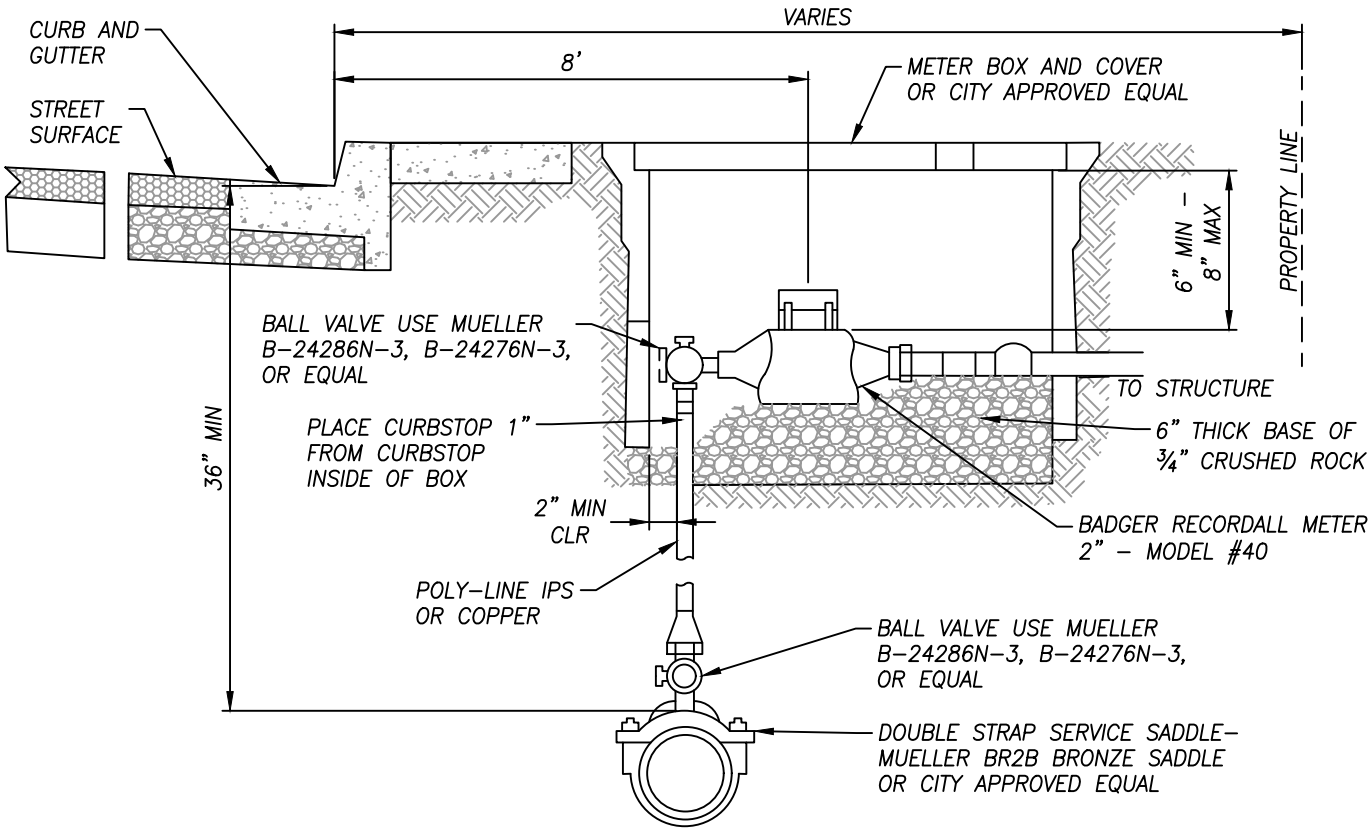


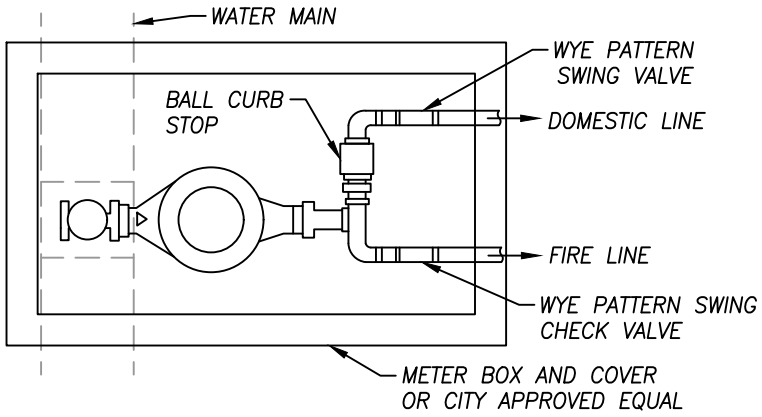


NOTES:

1. 1" SERVICE SHALL BE COPPER TYPE "K" SOFI.
2. SPLICES IN THE SERVICE LINE ARE TO BE AVOIDED, BUT WHERE APPROVED, THEY SHALL BE MADE USING CTS GRIP-TYPE COMPRESSION COUPLING.
3. ALL FITTINGS ARE COPPER OR BRASS AND SHALL BE MUELLER 110 (CONDUCTIVE TYPE) COMPRESSION CONNECTIONS OR CITY APPROVED EQUAL.
4. PACK JOINT FITTINGS ARE NOT ACCEPTABLE.
5. METER BOXES PLACED IN CONCRETE OR LANDSCAPE SHALL BE ARMORCAST POLYMER CONCRETE 20K A6001640PCX12 BOX, WITH 20K SINGLE TOP MOUNT AMR/AMI LID.
6. FOR 1 INCH WATER SERVICE, METER SHALL BE BADGER RECORDALL METER.
7. NO WATER SERVICE SHALL BE INSTALLED IN A DRIVE APPROACH OR WING.
8. SIZE OF SERVICES MUST BE APPROVED BY THE CITY OF McFARLAND.
9. SERVICE DEPTH SHALL BE 2"-6" MIN. @ FLOWLINE.
10. THE WATER LINE SHALL EXTEND PERPENDICULAR TO THE CENTERLINE OF THE STREET FROM THE WATER MAIN TO CURB STOP.
11. METER BOXES SHALL BE CONSTRUCTED APPROX. 8' BEHIND FLOWLINE WHERE SIDEWALKS ARE ADJACENT TO CURBS, OR ACCORDING TO TRACT MAP.

SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	1", 1 ½" DUAL WATER SHORT SERVICE	STANDARD No. W-3B





NOTES:

1. 1" SERVICE SHALL BE COPPER TYPE "K" SOFI.
2. SPLICES IN THE SERVICE LINE ARE TO BE AVOIDED, BUT WHERE APPROVED, THEY SHALL BE MADE USING CTS GRIP-TYPE COMPRESSION COUPLING.
3. ALL FITTINGS ARE COPPER OR BRASS AND SHALL BE MUELLER 110 (CONDUCTIVE TYPE) COMPRESSION CONNECTIONS OR CITY APPROVED EQUAL.
4. PACK JOINT FITTINGS ARE NOT ACCEPTABLE.
5. METER BOXES PLACED IN CONCRETE OR LANDSCAPE SHALL BE ARMORCAST POLYMER CONCRETE 20K A6001640PCX12 BOX, WITH 20K SINGLE TOP MOUNT AMR/AMI LID.
6. FOR 2 INCH WATER SERVICE, METER SHALL BE BADGER RECORDALL METER.
7. NO WATER SERVICE SHALL BE INSTALLED IN A DRIVE APPROACH OR WING.
8. SIZE OF SERVICES MUST BE APPROVED BY THE CITY OF McFARLAND.
9. SERVICE DEPTH SHALL BE 2"-6" MIN. @ FLOWLINE.
10. THE WATER LINE SHALL EXTEND PERPENDICULAR TO THE CENTERLINE OF THE STREET FROM THE WATER MAIN TO CURB STOP.
11. METER BOXES SHALL BE CONSTRUCTED APPROX. 8' BEHIND FLOWLINE WHERE SIDEWALKS ARE ADJACENT TO CURBS, OR ACCORDING TO TRACT MAP.

SCALE: NOT TO SCALE REVISED: JUNE 2024 JOB NUMBER: 240166	Signing Engineer 06/25/24 Date	CITY OF McFARLAND Tradition • Unity • Excellence 1957	2"" DUAL WATER SHORT SERVICE	STANDARD No. W-4