

GENERAL NOTES

1. ALL FIRE HYDRANTS AND VALVE BOXES TO BE SET TO PROPOSED FINAL GRADE WITH STEAMER NOZZLE 24" ABOVE GROUND LEVEL.
2. ALL EXISTING WATER MAINS BEING ABANDONED BY ANY PROJECT ARE TO REMAIN THE PROPERTY OF THE CITY OF EDMOND, AND SHALL BE SALVAGED FOR THE CITY WATER DEPARTMENT.
3. SANITARY SEWER CROSSINGS TO BE DUCTILE IRON PIPE 10' EITHER SIDE OF WATER MAIN, TO BE MEASURED AT RIGHT ANGLES, IN ACCORDANCE WITH EDMOND CITY WATER DEPARTMENT STANDARD AND/OR OKLAHOMA STATE DEPARTMENT OF ENVIROMENTAL QUALITY STANDARDS.
4. SET END OF MAIN STUBS IN CUL-DE-SACS AT A POINT 5'-0" OFF FRONT PROPERTY LINE. THIS POINT BEING IN LINE WITH SIDE PROPERTY LINE.
5. IN INSTANCES WHERE FLOW LINES ARE NOT INDICATED ON THE DRAWINGS, MAIN SHALL BE CONSTRUCTED WITH A MINIMUM OF 4'-0" COVER, OR AS DIRECTED BY THE CITY ENGINEER AND IN ACCORDANCE WITH OKLAHOMA STATE DEPARTMENT OF ENVIRONMENTAL QUALITY STANDARDS.
6. FIRE HYDRANTS SHALL BE LOCATED 5' TO 9' FROM BACK OF CURB. SIDEWALK LOCATIONS TO BE PRE-DETERMINED SO HYDRANTS WILL NOT BE LOCATED IN SIDEWALK.
7. ALL EMBANKMENTS AND BACKFILL SHALL MEET CITY OF EDMOND STANDARD SPECIFICATION 615.03 (g).

D:\CWA\WATER EDMOND\STANDARD CONSTRUCTION DRAWINGS\EDMOND\STANDARD CONSTRUCTION DRAWINGS (JULY 2004)\WATER & REVISION\WL-01REV1.DWG
 JULY 26, 2004 REBER

REVISIONS	ND.	DATE	ITEM CHANGED
	1	7/26/2004	HYDRANT

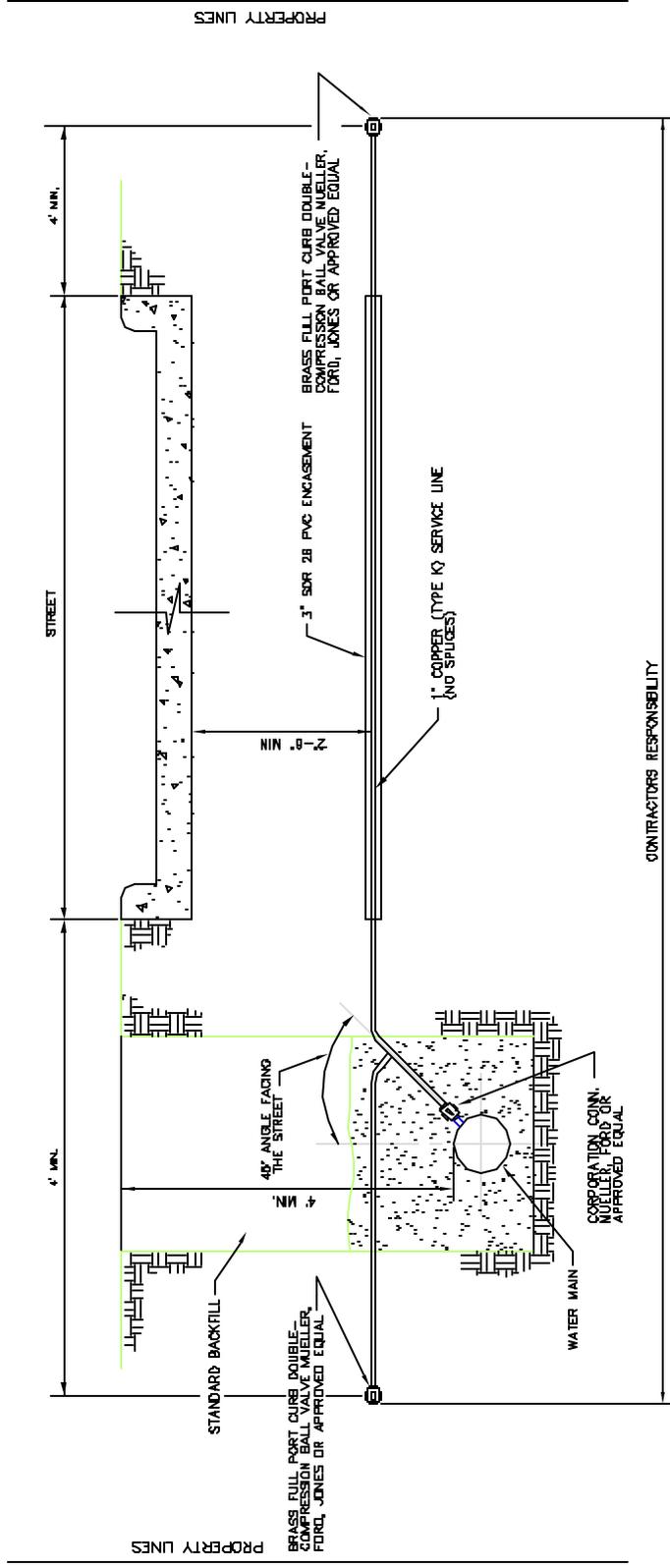
CITY OF EDMOND
 ENGINEERING DEPARTMENT
 CONSTRUCTION STANDARDS

GENERAL NOTES

WATER

SPECIFICATION NO. 615

WL-01 PAGE 1



CONTRACTORS RESPONSIBILITY

NOTE:

1. PVC ENCASEMENT SHALL BE PROVIDED FOR ALL SERVICE LINES CROSSING UNDER PAVING.
2. EACH SERVICE LONG OR SHORT, SHALL BE PROVIDED WITH A SEPARATE CORPORATION CONNECTION. USE OF A SINGLE CORPORATION CONNECTION TO PROVIDE SERVICE TO MORE THAN ONE (1) LOCATION IS PROHIBITED.
3. PLACEMENT OF ONE (1) OR MORE SERVICE LINES WITHIN THE REQUIRED PVC ENCASEMENT WILL BE ALLOWED AS APPROVED BY THE ENGINEER.
4. ALL CORPORATION CONNECTIONS SHALL BE CONSTRUCTED ON THE STREET SIDE OF WATER MAIN.
5. COPPER SERVICE LINES ATTACHED TO CAST IRON OR DUCTILE IRON WATER MAIN SHALL BE WRAPPED A MINIMUM OF 3' FROM THE MAIN WITH PLASTIC-BACKED ADHESIVE TAPE, POLYKAN #400 OR SCOTCH-RAP #50 OR EQUAL, 2" IN WIDTH.

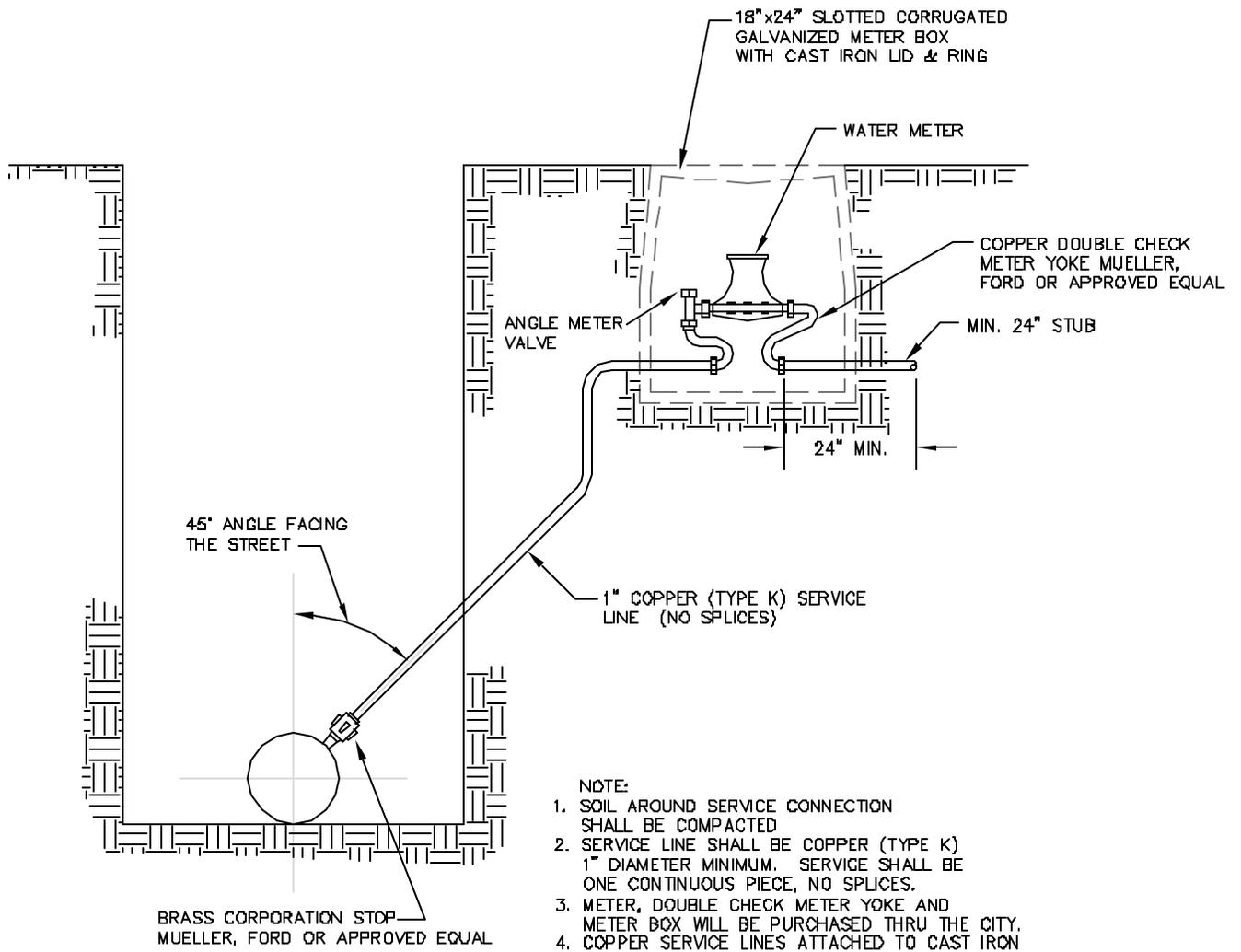
REVISIONS	NO.	DATE	ITEM CHANGED
	1	7-25-2004	COPPER SERVICE

CITY OF EDMOND
 ENGINEERING DEPARTMENT
 CONSTRUCTION STANDARDS

TYPICAL WATER SERVICE LINE

WATER	
SPECIFICATION NO. 616	
WL-02	PAGE 2

D:\DWG\WATER FORMER\STANDARD CONSTRUCTION DRAWINGS\CONSTRUCTION DRAWINGS\CONNECTIONS\CONNECTIONS.DWG
 JULY 26, 2004 REBER



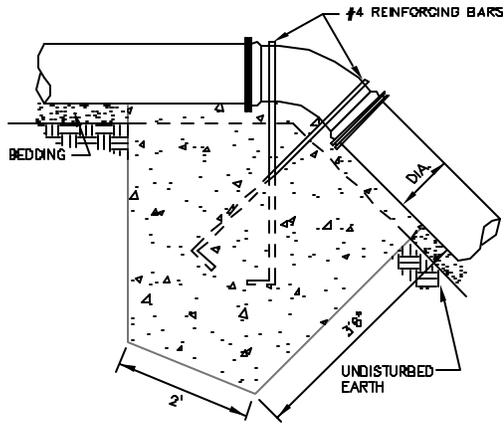
- NOTE:
1. SOIL AROUND SERVICE CONNECTION SHALL BE COMPACTED
 2. SERVICE LINE SHALL BE COPPER (TYPE K) 1" DIAMETER MINIMUM. SERVICE SHALL BE ONE CONTINUOUS PIECE, NO SPLICES.
 3. METER, DOUBLE CHECK METER YOKE AND METER BOX WILL BE PURCHASED THRU THE CITY.
 4. COPPER SERVICE LINES ATTACHED TO CAST IRON OR DUCTILE IRON WATER MAIN SHALL BE WRAPPED A MINIMUM OF 3' FROM THE MAIN WITH PLASTIC-BACKED ADHESIVE TAPE, POLYKAN #900 OR SCOTTRAP #50 OR EQUAL, 2" IN WIDTH

REVISIONS	ND.	DATE	ITEM CHANGED
1	7-26-04		COPPER SERVICE

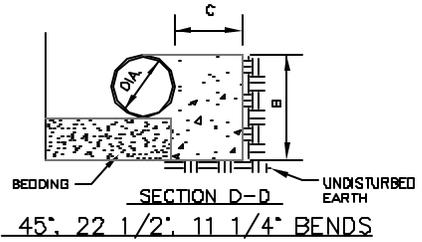
CITY OF EDMOND
 ENGINEERING DEPARTMENT
 CONSTRUCTION STANDARDS

**WATER SERVICE
 LINE CONNECTION**

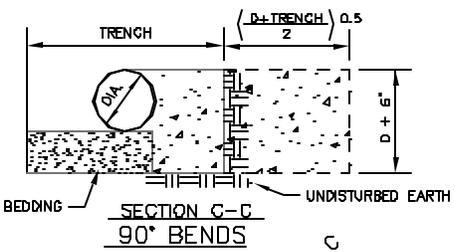
WATER	
SPECIFICATION NO. 616	
WL-03	PAGE 3



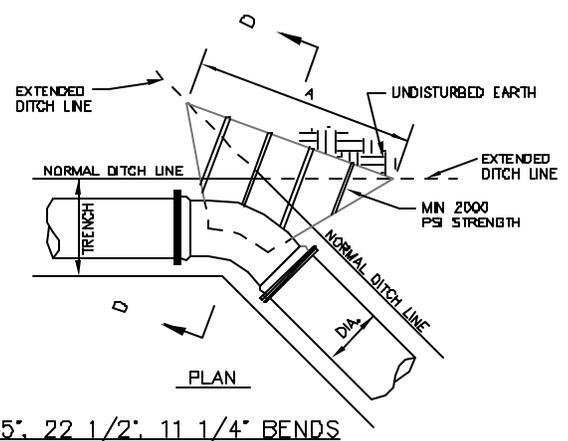
SECTION FOR VERTICAL BENDS (14" OR SMALLER)
45°, 22 1/2°, 11 1/4° BENDS



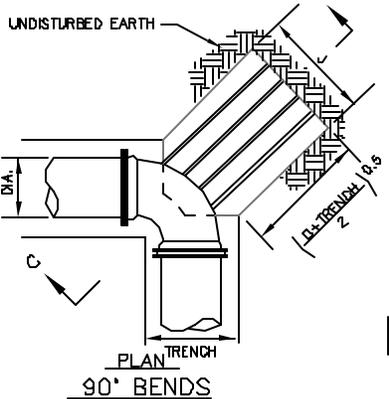
SECTION D-D
45°, 22 1/2°, 11 1/4° BENDS



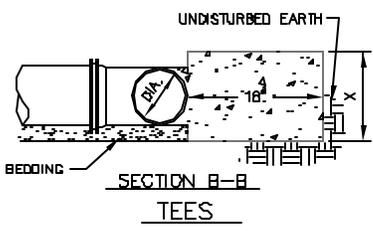
SECTION C-C
90° BENDS



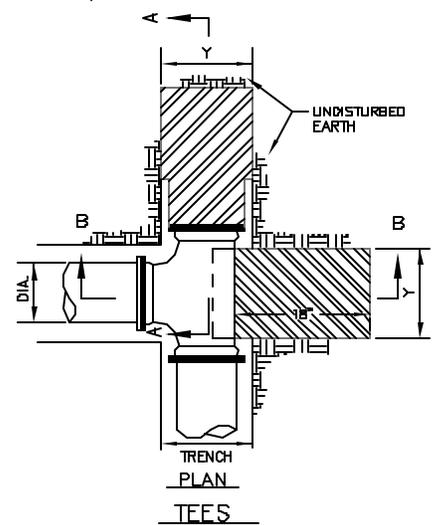
PLAN
45°, 22 1/2°, 11 1/4° BENDS



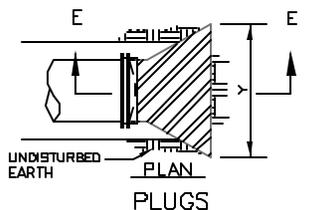
PLAN
90° BENDS



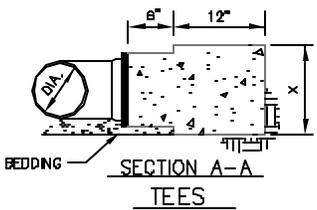
SECTION B-B
TEES



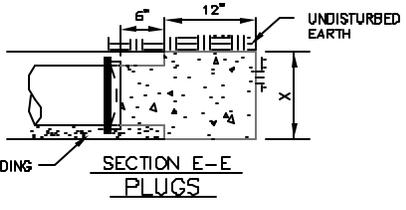
TRENCH PLAN
TEES



PLAN
PLUGS



SECTION A-A
TEES



SECTION E-E
PLUGS

PIPE DIA.	TRENCH WIDTH	DIMENSIONS FOR CONCRETE ANCHORAGES												
		45° BEND			22 1/2° BEND			11 1/4° BEND			TEE OR PLUG		90° BEND	
		A	B	C	A	B	C	A	B	C	X	Y	J	J
36	60	7'-0"	3'-0"	2'-6"	8'-0"	3'-0"	2'-6"	6'-0"	3'-0"	2'-6"	3'-4"	4'-0"	6'-5"	
30	54	5'-8"	2'-6"	2'-0"	4'-8"	2'-6"	2'-0"	4'-6"	2'-6"	2'-0"	3'-0"	3'-6"	5'-8"	
24	44	3'-9"	2'-6"	1'-10"	2'-6"	2'-6"	1'-1"	2'-0"	2'-6"	1'-0"	3'-0"	3'-3"	4'-9"	
20	39	2'-9"	2'-2"	1'-8"	2'-0"	2'-2"	1'-1"	2'-0"	2'-2"	0'-11"	2'-0"	3'-0"	4'-1"	
18	37	2'-3"	2'-0"	1'-6"	2'-0"	2'-0"	1'-1"	2'-0"	2'-0"	0'-11"	2'-0"	2'-3"	3'-9"	
16	35	2'-0"	1'-10"	1'-5"	2'-0"	1'-10"	1'-1"	2'-0"	1'-10"	0'-11"	2'-0"	1'-6"	3'-6"	
12	30	2'-0"	1'-6"	1'-4"	2'-0"	1'-6"	1'-0"	2'-0"	1'-6"	0'-11"	2'-0"	1'-0"	3'-0"	
10	28	2'-0"	1'-4"	1'-4"	2'-0"	1'-4"	1'-0"	1'-10"	1'-4"	0'-11"	1'-8"	1'-0"	2'-8"	
B	26	2'-0"	1'-2"	1'-4"	1'-10"	1'-2"	1'-0"	1'-6"	1'-2"	0'-11"	1'-6"	0'-10"	2'-4"	
B	24	2'-0"	1'-1"	1'-4"	1'-8"	1'-1"	1'-0"	1'-6"	1'-0"	0'-11"	1'-4"	0'-8"	2'-1"	

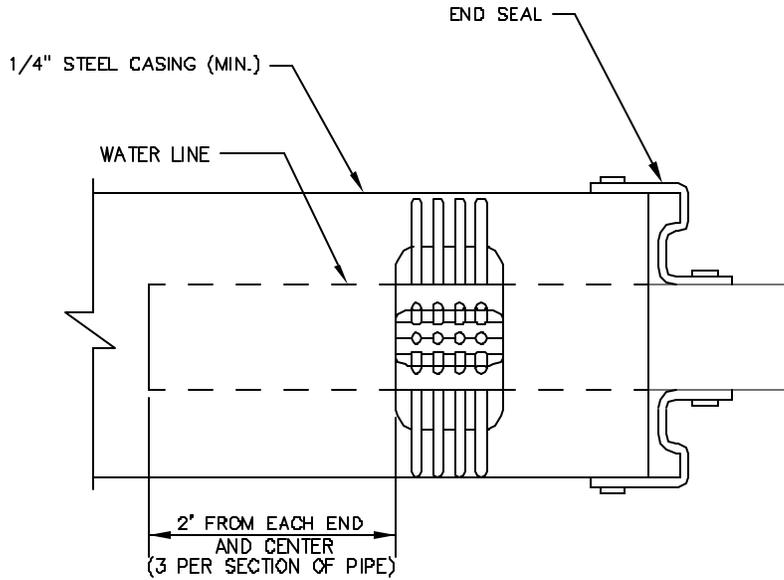
REVISIONS	ND.	DATE	ITEM CHANGED
1	7/26/2004		*X'S UNDER TEE/PLUGS

CITY OF EDMOND
ENGINEERING DEPARTMENT
CONSTRUCTION STANDARDS

HORIZONTAL CONCRETE
ANCHORAGES

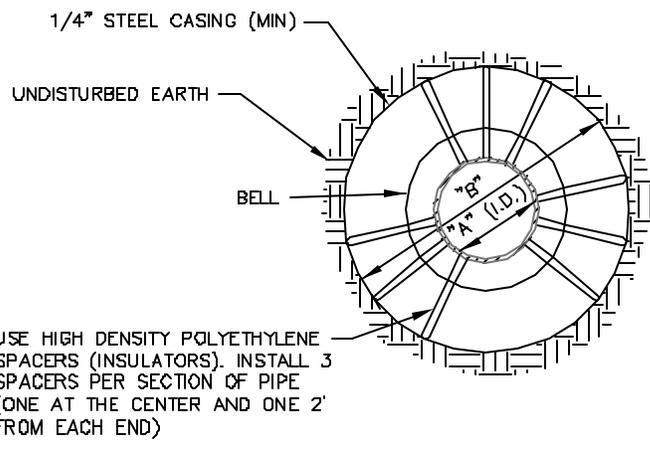
WATER
SPECIFICATION NO. 616
WL-09 PAGE 9

10.000 WATER FORMS STANDARD CONSTRUCTION DRAWINGS CONSTRUCTION DRAWINGS (JULY 2004) NEW & REVISED WL-06/08/09/10
 JULY 26, 2004 REBER



PIPE & STEEL CASING SCHEDULE	
PIPE DIAMETER "A"	CASING DIAMETER "B"
6"	16"
8"	18"
10"	20"
12"	24"
16"	30"
18"	30"
24"	42"

- NOTES:
- 1.) CONSTRUCT WATER TIGHT PLUG AT EACH END OF CASING.
 - 2.) ALL WATER LINE JOINTS WITHIN CASING SHALL BE RESTRAINED.



USE HIGH DENSITY POLYETHYLENE SPACERS (INSULATORS). INSTALL 3 SPACERS PER SECTION OF PIPE (ONE AT THE CENTER AND ONE 2' FROM EACH END)

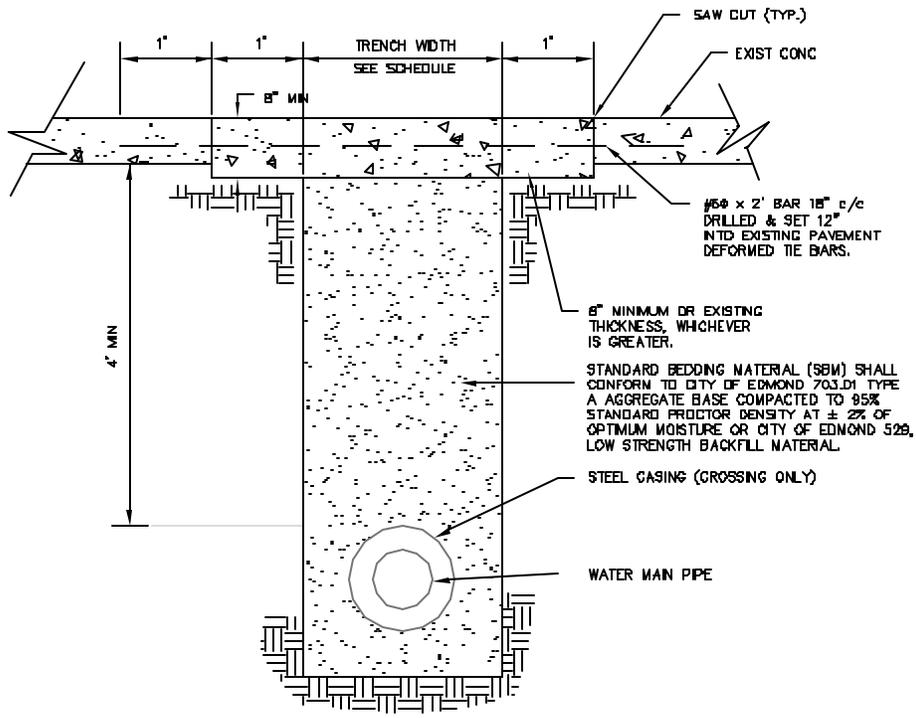
STANDARD CONSTRUCTION DRAWINGS (JULY 2007) NEW & REVISED WL-10RS/010
 CITY OF EDMOND ENGINEERING DEPARTMENT
 JULY 2004 REVISION

REVISIONS	ND.	DATE	ITEM CHANGED
1	◇	7/26/2004	JOINT RESTRAINT

CITY OF EDMOND
 ENGINEERING DEPARTMENT
 CONSTRUCTION STANDARDS

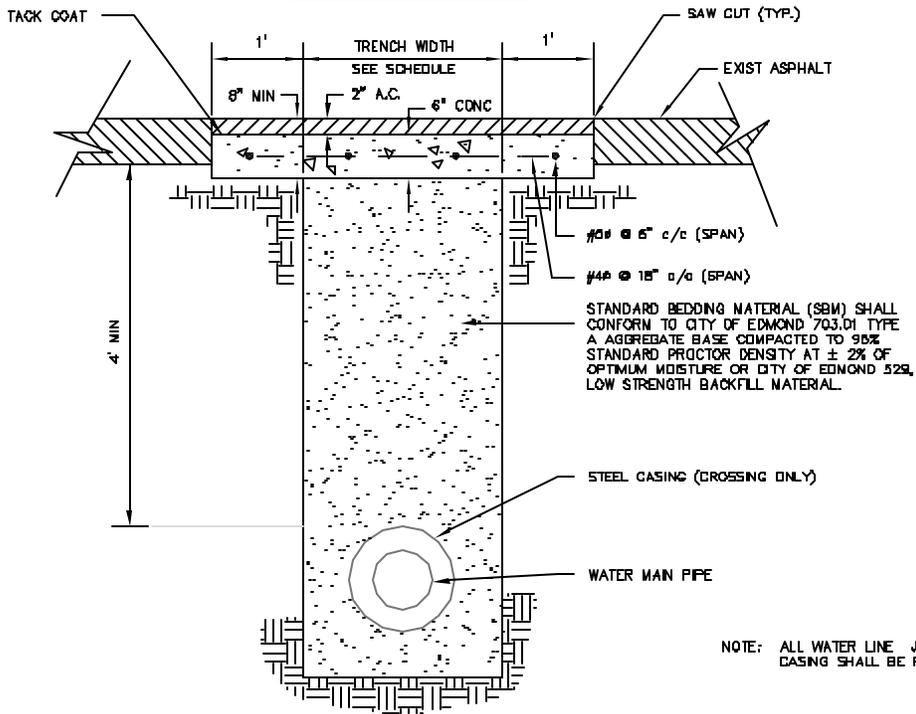
**STANDARD ROAD
 CROSSING BORE**

WATER	
SPECIFICATION NO. 615	
WL-10	PAGE 10



INSIDE PIPE DIAMETER (IN.)	STANDARD TRENCH WIDTH (IN.)
6	18
8	24
10	30
12	30
15	36
18	36
21	42
24	42
27	48
30	48
36	54
42	60
48	66

CONCRETE



NOTE: ALL WATER LINE JOINTS WITHIN CASING SHALL BE RESTRAINED.

ASPHALT

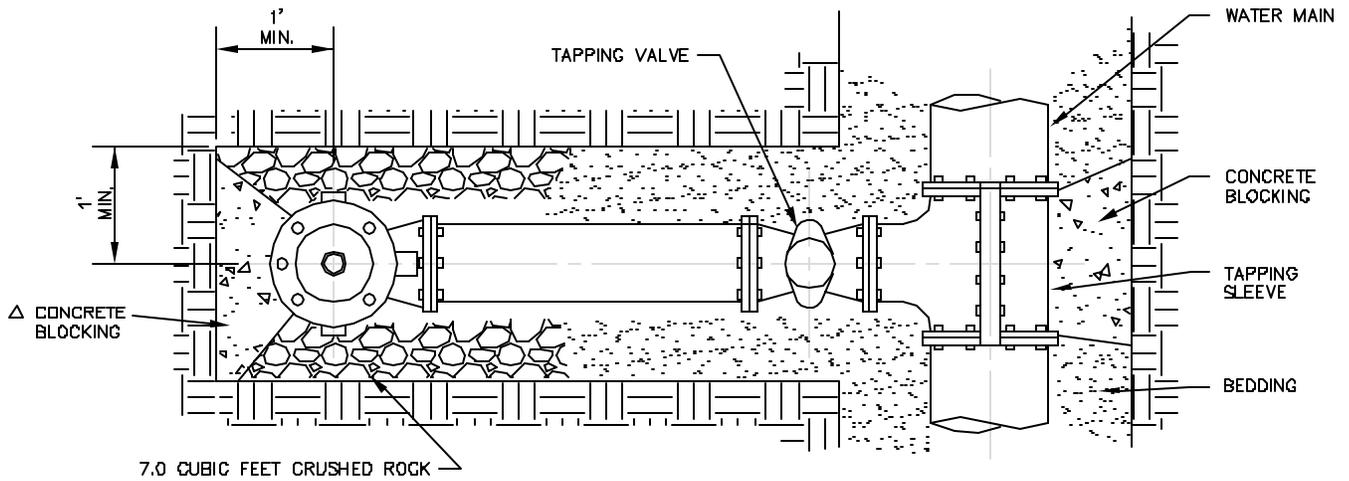
REVISIONS	NO.	DATE	ITEM CHANGED
	1	7/26/2004	JOINT RESTRAINT

CITY OF EDMOND
ENGINEERING DEPARTMENT
CONSTRUCTION STANDARDS

PAVING CUTS
PERMANENT & REPAIRS

WATER
SPECIFICATION NO. 616
WL-11 PAGE 11

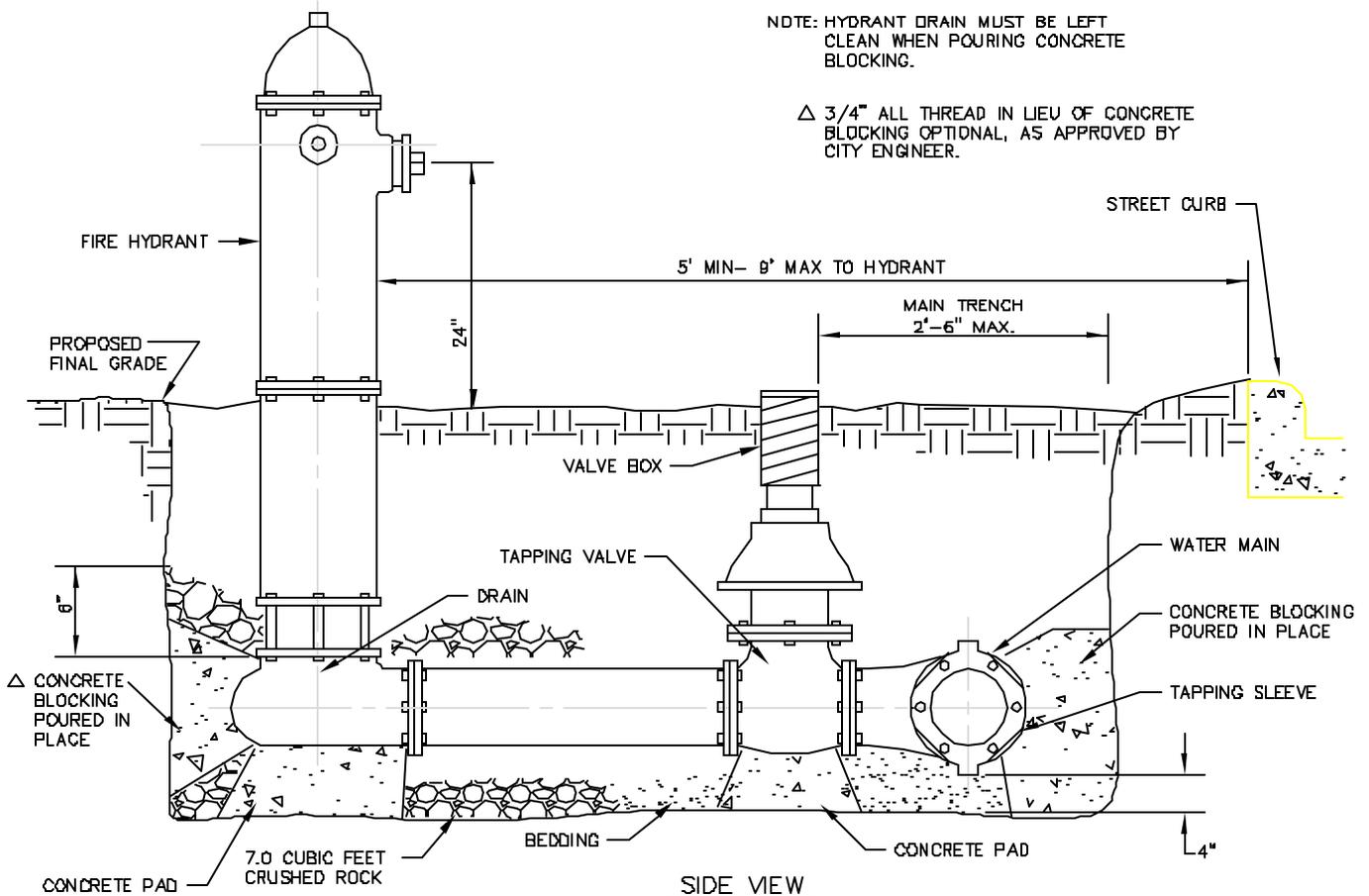
CITY OF EDMOND WATER FORMER APPROVED CONSTRUCTION DRAWINGS, CONSTRUCTION STANDARDS DEPARTMENT, STANDARD CONSTRUCTION DRAWINGS (JULY 2007) NEW & REVISED (V1-1185) 07/26/2004 REBER



TOP VIEW

NOTE: HYDRANT DRAIN MUST BE LEFT CLEAN WHEN POURING CONCRETE BLOCKING.

△ 3/4" ALL THREAD IN LIEU OF CONCRETE BLOCKING OPTIONAL, AS APPROVED BY CITY ENGINEER.



SIDE VIEW

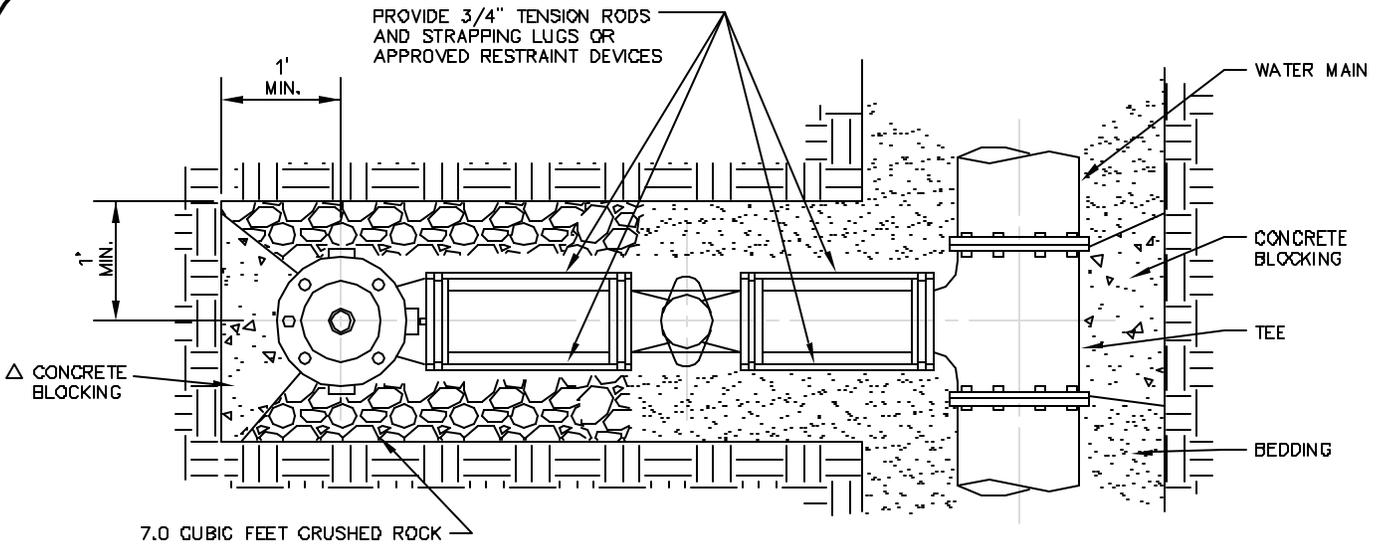
50' DIA WATER FORMER STANDARD CONSTRUCTION DRAWINGS (JULY 2004) NEW & REVISED V. 12/20/04
 JULY 2004 REBER

REVISIONS	ND.	7/26/2004	STEAMER HEIGHT
		DATE	ITEM CHANGED

CITY OF EDMOND
 ENGINEERING DEPARTMENT
 CONSTRUCTION STANDARDS

**INSTALLATION OF FIRE
 HYDRANT ON EX. MAIN**

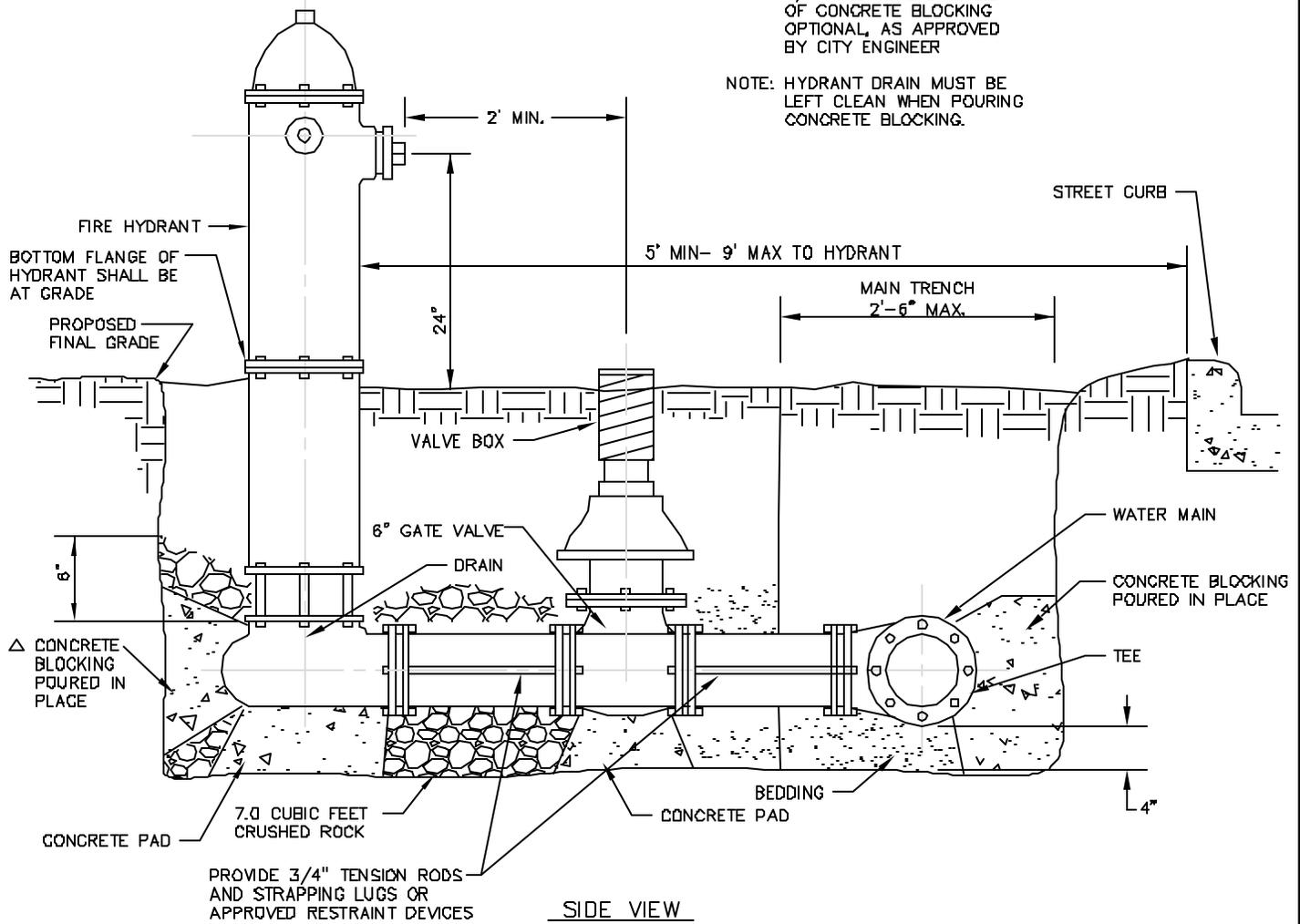
WATER	
SPECIFICATION NO. 616	
WL-12	PAGE 12



TOP VIEW

△ 3/4" ALL THREAD IN LIEU OF CONCRETE BLOCKING OPTIONAL, AS APPROVED BY CITY ENGINEER

NOTE: HYDRANT DRAIN MUST BE LEFT CLEAN WHEN POURING CONCRETE BLOCKING.



SIDE VIEW

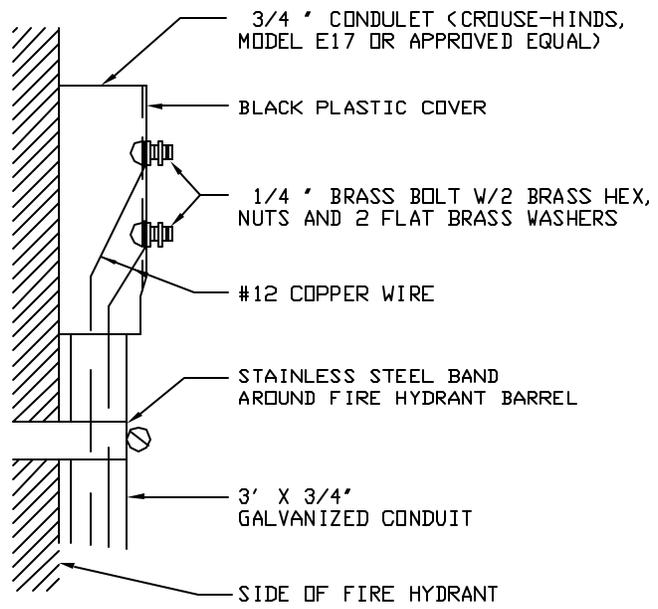
REVISIONS	ND.	DATE	STEAMER HEIGHT	ITEM CHANGED
		7/26/2004		

CITY OF EDMOND
ENGINEERING DEPARTMENT
CONSTRUCTION STANDARDS

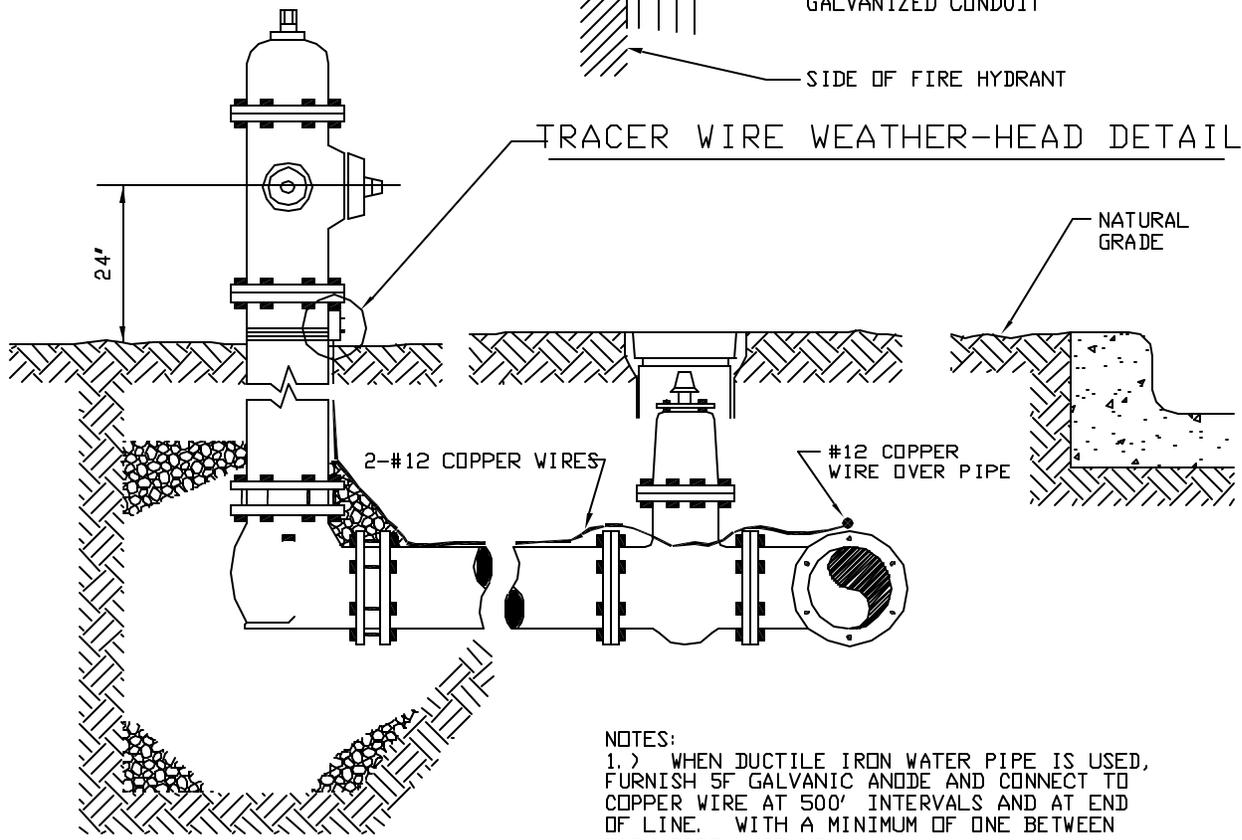
INSTALLATION OF FIRE
HYDRANT ON NEW MAIN

WATER	
SPECIFICATION NO. 616	
WL-13	PAGE 13

10-0000 WATER FORMER APPROVED CONSTRUCTION DRAWINGS (JULY 2007) NEW & REVISED WL-13RS/010
 JULY 26, 2004 REBER



TRACER WIRE WEATHER-HEAD DETAIL



- NOTES:
- 1.) WHEN DUCTILE IRON WATER PIPE IS USED, FURNISH 5¢ GALVANIC ANODE AND CONNECT TO COPPER WIRE AT 500' INTERVALS AND AT END OF LINE. WITH A MINIMUM OF ONE BETWEEN EACH FIRE HYDRANT.
 - 2.) WHEN WATER LINE IS ENCASED IN POLYETHYLENE WRAP, TRACER WIRE SHALL BE INSTALLED OUTSIDE OF THE WRAP.
 - 3.) TRACER WIRE SHALL BE PROPERLY SECURED TO THE TOP OF THE PIPE TO PREVENT MOVEMENT WHILE BACKFILLING.
 - 4.) COPPER WIRE SHALL BE #12 AWG SOLID COPPER WITH U. S. E. INSULATION FOR DIRECT BURIAL.

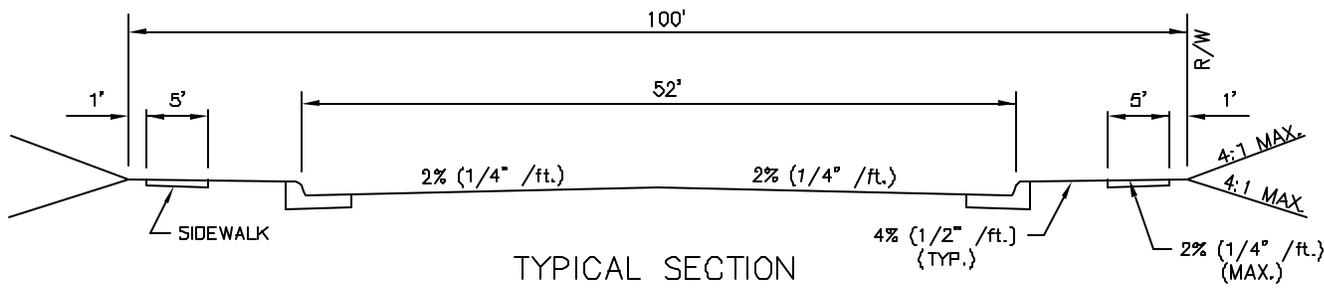
CITY OF EDMOND ENGINEERING DEPARTMENT CONSTRUCTION STANDARDS DRAWINGS (JULY 2007) NEW & REVISED WL-20.DWG
 JULY 24, 2008 REEER

REVISIONS	NO.	DATE	ITEM CHANGED

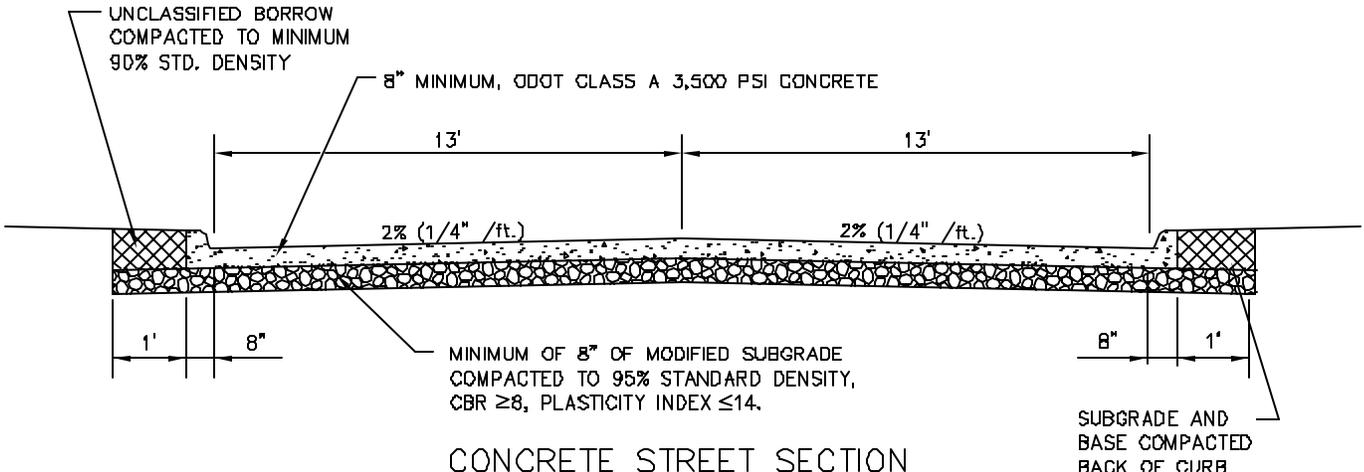
CITY OF EDMOND
 ENGINEERING DEPARTMENT
 CONSTRUCTION STANDARDS

**TRACER WIRE & WEATHER-
 HEAD FOR WATER LINE**

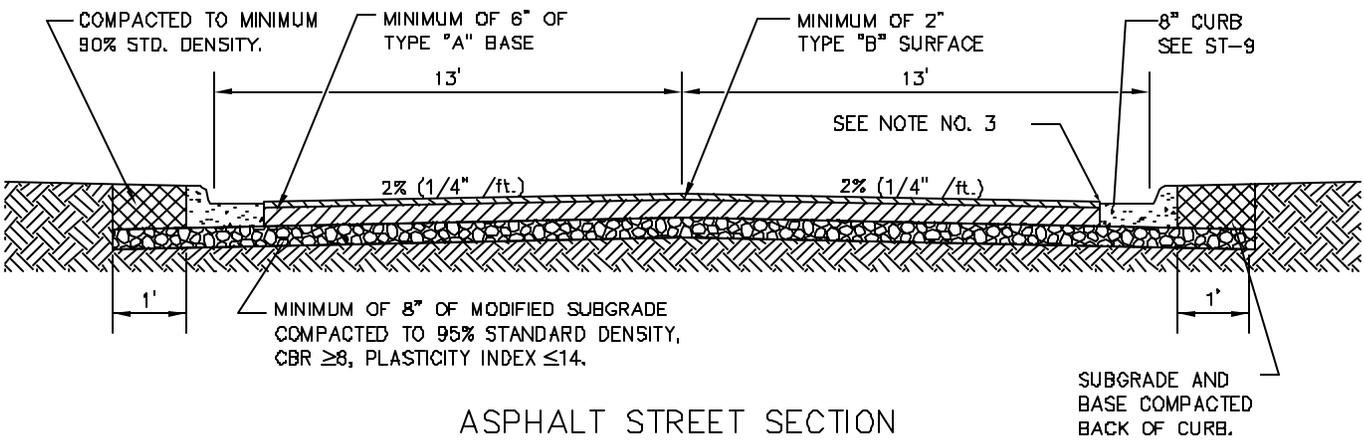
WATER	
SPECIFICATION NO. 616	
WL-20	PAGE 19A



TYPICAL SECTION



CONCRETE STREET SECTION



ASPHALT STREET SECTION

NOTES:

1. PAVING SECTION SHOWN IS MINIMUM ALLOWED. STREET PAVING SHALL BE DESIGNED IN ACCORDANCE WITH THE AASHTO METHOD
2. DOWELS REQUIRED FOR PCC PAVING 8" THICK, OR GREATER.
3. ASPHALT SURFACE SHALL BE 1/4" ABOVE EDGE OF CONCRETE GUTTER.
4. A 2" THICK OVERLAY SHALL BE ADDED TO THE CENTERLINE OF THE EXISTING STREET WHEN ADDING AN OUTSIDE LANE.

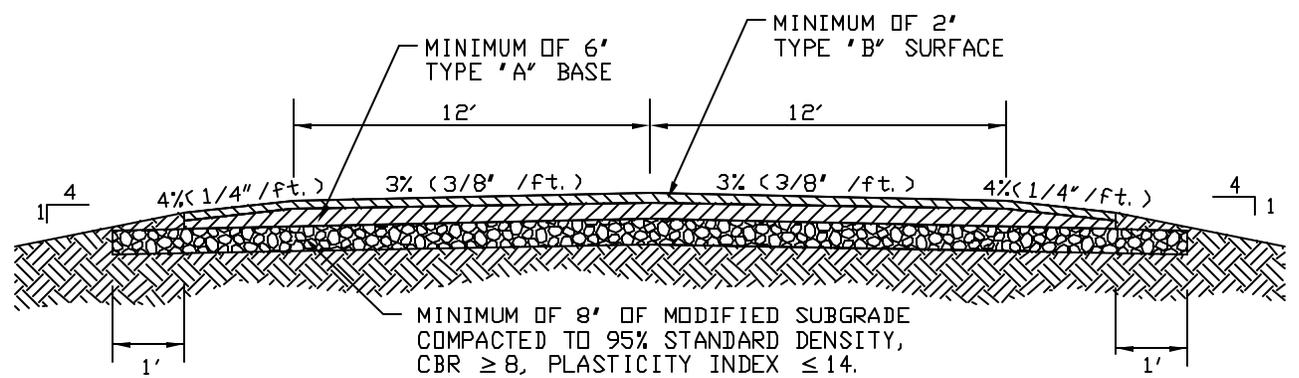
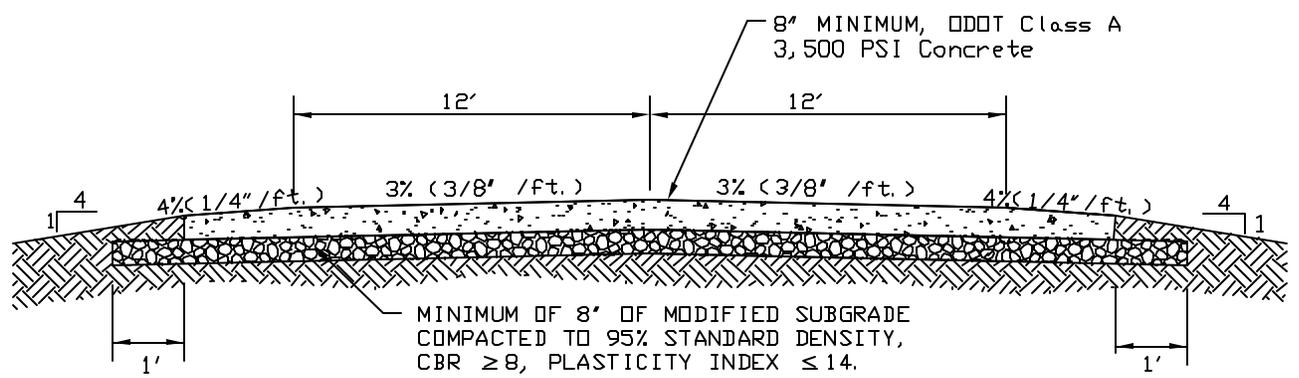
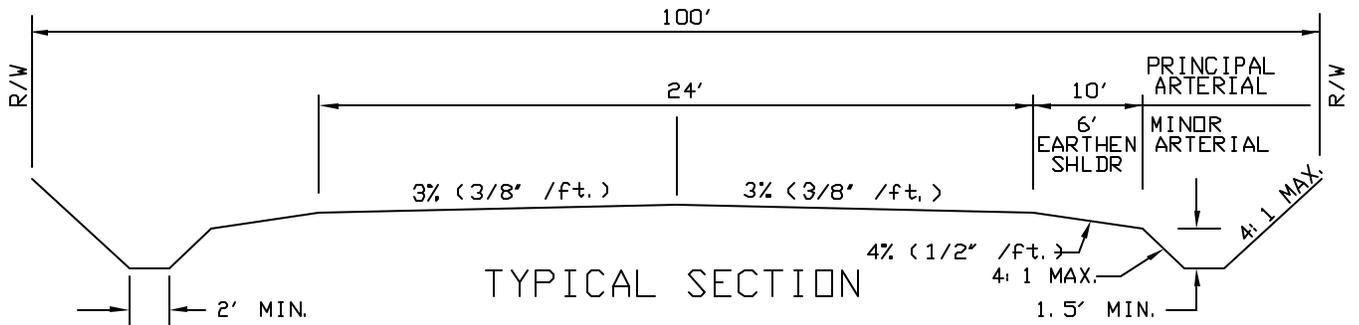
CITY OF EDMOND ENGINEERING DEPARTMENT CONSTRUCTION STANDARDS DRAWINGS CONTROL STANDARD CONSTRUCTION DRAWINGS (JULY 2003) NEW & REVISED VIT-4485/DMG
 JULY 20, 2004 REBER

REVISIONS	ND.	DATE	ITEM CHANGED
1	7/26/2004		OVERLAY TO CL

CITY OF EDMOND
 ENGINEERING DEPARTMENT
 CONSTRUCTION STANDARDS

**ARTERIAL STREET
 WITH CURB**

STREETS
 SPECIFICATION NO. 411 & 414
 ST-04 PAGE 37



NOTES:

1. PAVING SECTION SHOWN IS MINIMUM ALLOWED. STREET PAVING SHALL BE DESIGNED IN ACCORDANCE WITH THE AASHTO METHOD.
2. DOWELS REQUIRED FOR PCC PAVING 8" THICK, OR GREATER.
3. A 2" THICK OVERLAY SHALL BE ADDED TO THE CENTERLINE OF THE EXISTING STREET WHEN ADDING AN OUTSIDE LANE.

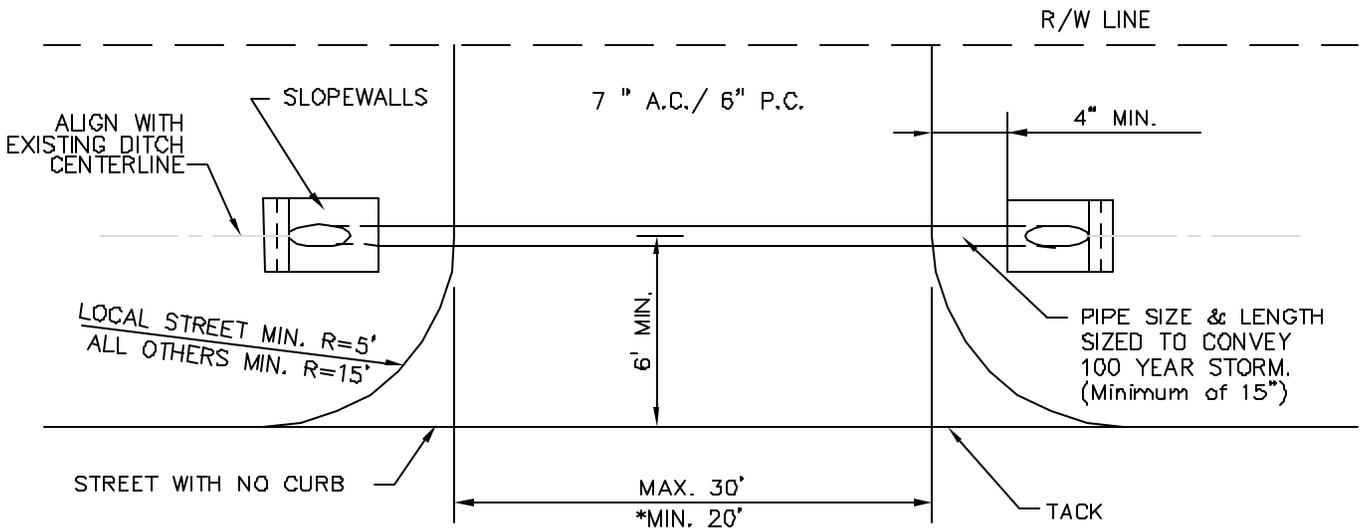
STANDARD CONSTRUCTION DRAWINGS (JULY 2007) NEW & REVISED ITEMS/NOV
 ENGINEER REVISIONS
 JULY 26, 2004

REVISIONS	NO.	DATE	ITEM CHANGED
◇		7/26/2004	OVERLAY TO CL

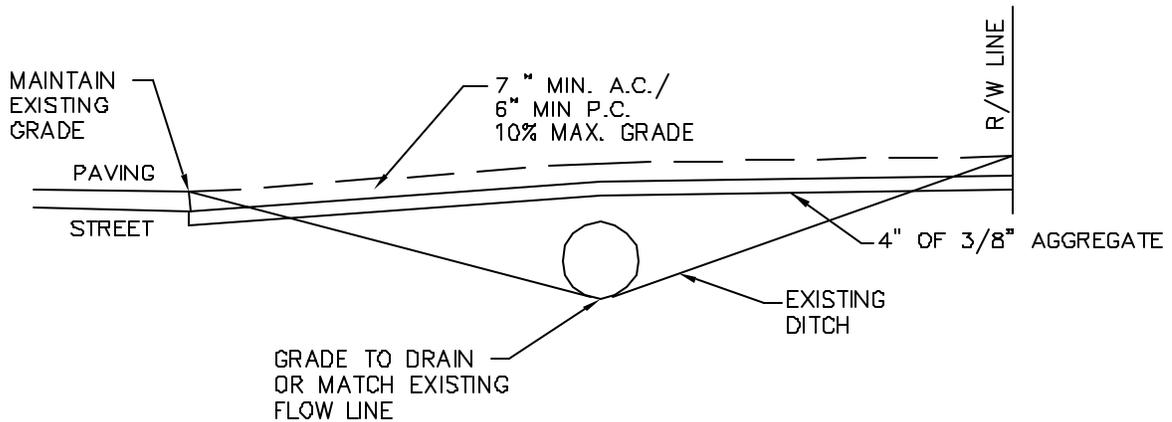
CITY OF EDMOND
 ENGINEERING DEPARTMENT
 CONSTRUCTION STANDARDS

**ARTERIAL STREET
 WITHOUT CURB**

STREETS
 SPECIFICATION NO. 411 & 414
 ST-08 PAGE 41

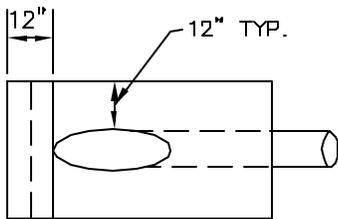


*WIDTHS MAY BE 16' FOR DRIVEWAYS ON CUL-DE-SACS, CIRCLE DRIVES, OR DRIVEWAYS OVER 40' IN LENGTH IF PROVISIONS ARE MADE FOR PARKING TWO VEHICLES SIDE-BY-SIDE ON THE PRIVATE PORTION OF THE DRIVE.

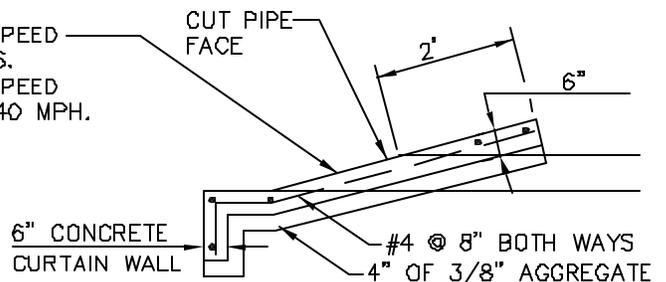


DRIVEWAY SECTION

4:1 FOR ROADS WITH A SPEED LIMIT OF 40 MPH OR LESS.
6:1 FOR ROADS WITH A SPEED LIMIT OF GREATER THAN 40 MPH.



PLAN



ELEVATION

CONCRETE SLOPEWALL

REVISIONS	NO.	DATE	ITEM CHANGED
◇	1	7/28/2004	ADDED AGGREGATE

CITY OF EDMOND
ENGINEERING DEPARTMENT
CONSTRUCTION STANDARDS

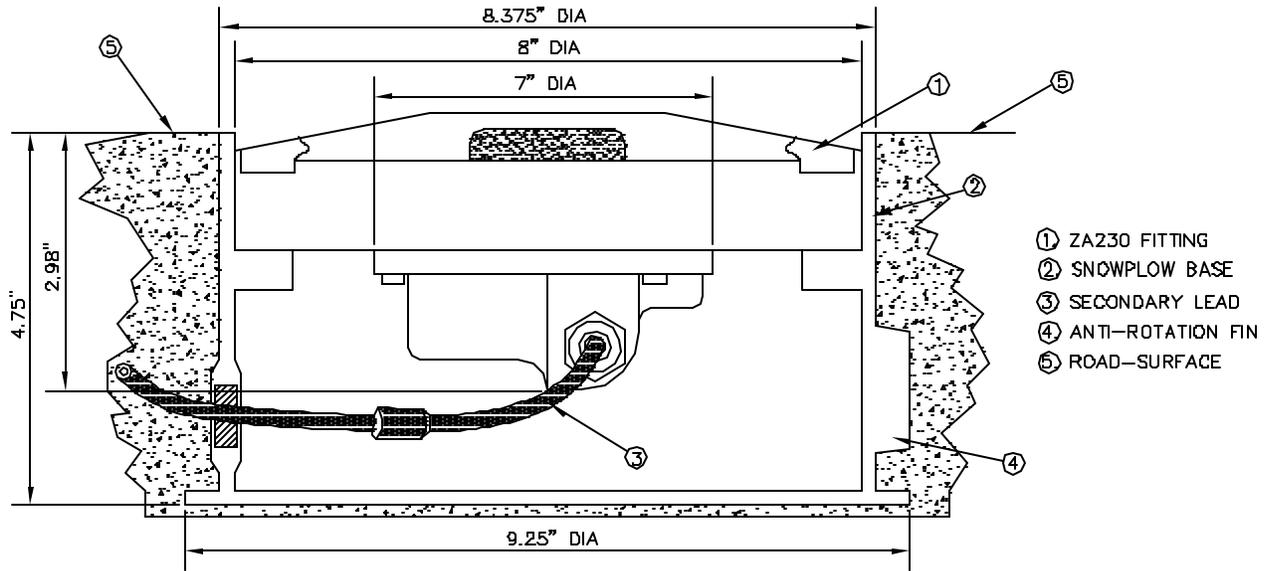
**RESIDENTIAL DRIVEWAY ON
STREET WITHOUT CURB**

PAVING

SPECIFICATION NOS. 411 & 610

DW-03 PAGE 58

ZA230 INSTALLED IN SNOWPLOW BASE



ZA230 SPECIFICATIONS

DIMENSIONS:

FIXTURE—8" DIAMETER, 3.23" DEEP
 BASE CAN—9.25" DIAMETER, 4.75" DEEP

LAMP: 45W 50-J1/57

PRISM: BI-DIRECTIONAL IN YELLOW.

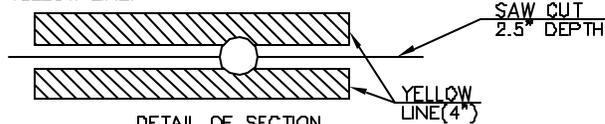
BODY CASTING: HIGH STRENGTH SPHERIODAL GRAPHITE IRON FINISHED IN SAFETY YELLOW.

STRESS BEARING: 11 TONS DYNAMIC LOAD AND 22 TONS STATIC LOAD.

MOISTURE-PROOF LIGHT CAVITY VERIFIABLE BY MEANS OF PRESSURE TEST PLUG.

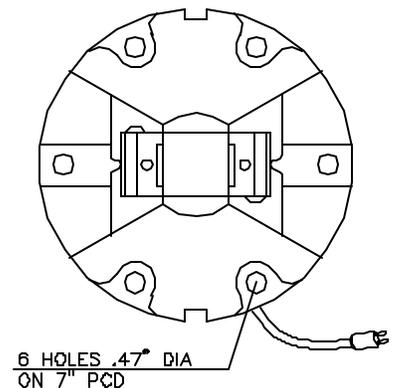
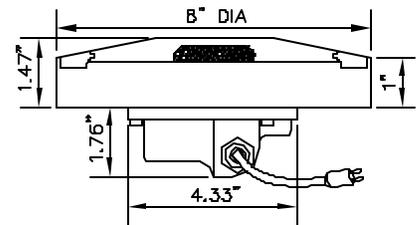
INSTALLATION

MUST BE CORED TO PRECISE DIAMETER AND DEPTH FOR PROPER INSTALLATION PER MANUFACTURER'S SPECIFICATIONS. (SQUARE SAW CUT METHOD WILL NOT BE PERMITTED). CENTER OF CORE WILL BE AT CENTER OF DOUBLE YELLOW LANE LINES.
 SAW CUT FOR WIRE WILL RUN DOWN MIDDLE OF DOUBLE YELLOW LINE.



SAW CUT AT JUNCTION OF FIXTURE CUT MUST BE 3" DEEP. WIRING HARNESS IS 3" DEEP. FLASH RATE SHALL COME FROM ONE OUTPUT FOR SCHOOL ZONE FLASHER. THIS SHALL

GENERAL ARRANGEMENT



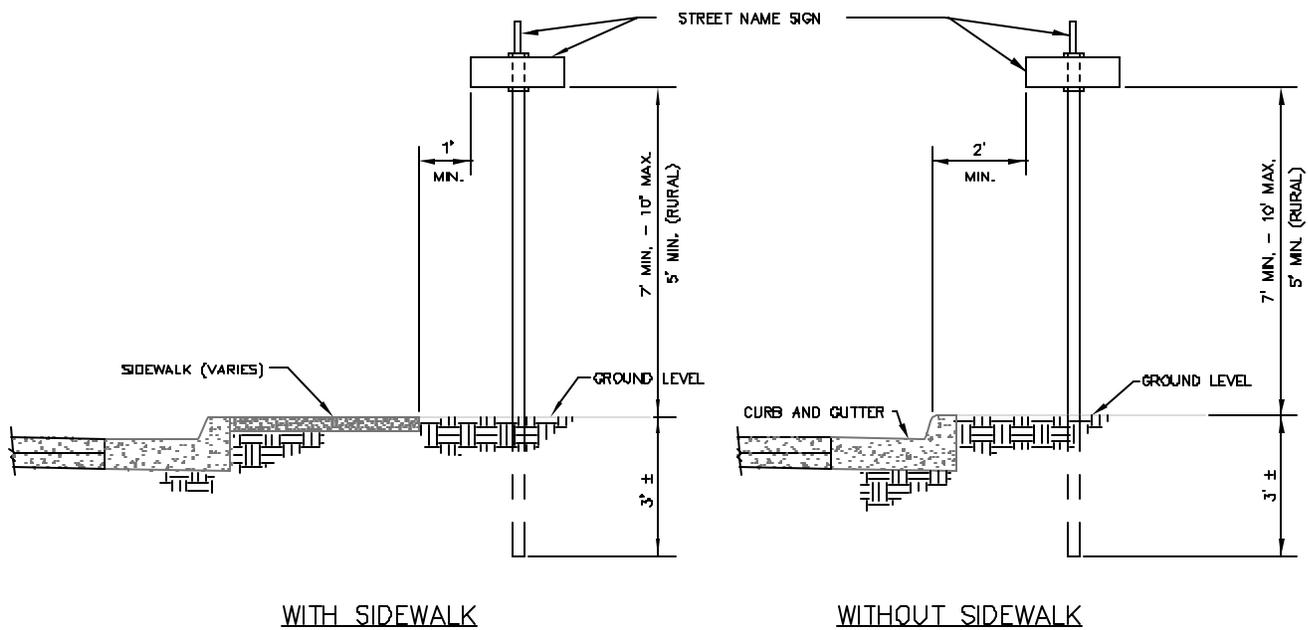
STANDARD CONSTRUCTION DRAWINGS (JULY 2007) REVISED 2008
 CITY OF EDMOND ENGINEERING DEPARTMENT
 JULY 2004 REVISION

REVISIONS	NO.	DATE	ITEM CHANGED

CITY OF EDMOND
 ENGINEERING DEPARTMENT
 CONSTRUCTION STANDARDS

**IN-PAVEMENT LIGHTS
 FOR SCHOOL ZONES**

TRAFFIC
 SPECIFICATION NO. X
 SZS-06 PAGE 280A



NOTES

1. STREET NAME SIGNS ARE CLASSIFIED AS GUIDE SIGNS AND SHALL HAVE A GREEN BACKGROUND WITH A WHITE LEGEND.
2. STREET NAME SIGNS SHALL BE REFLECTORIZED WITH DIAMOND GRADE SHEETING (VIP SHEETING) OR APPROVED EQUAL.
 4" LETTERING SHALL BE FHWA GOTHIC "B".
 2" LETTERING SHALL BE FHWA GOTHIC "C".
 ALL SPACING PER FHWA SPECIFICATIONS.
3. SIGN BLANKS TO BE 6" EXTRUDED ALUMINUM. POLES TO BE SQUARE 2" GALVANIZED UNLESS USING DECORATIVE POLE POLICY.
4. STREET NAME SIGNS SHALL BE MOUNTED BY CAPS & CROSS METHOD EXCEPT (SEE SPECIFICATIONS) MOUNTING TO DECORATIVE POLES.
5. REFER TO DECORATIVE POLE POLICY IF REQUIRED.



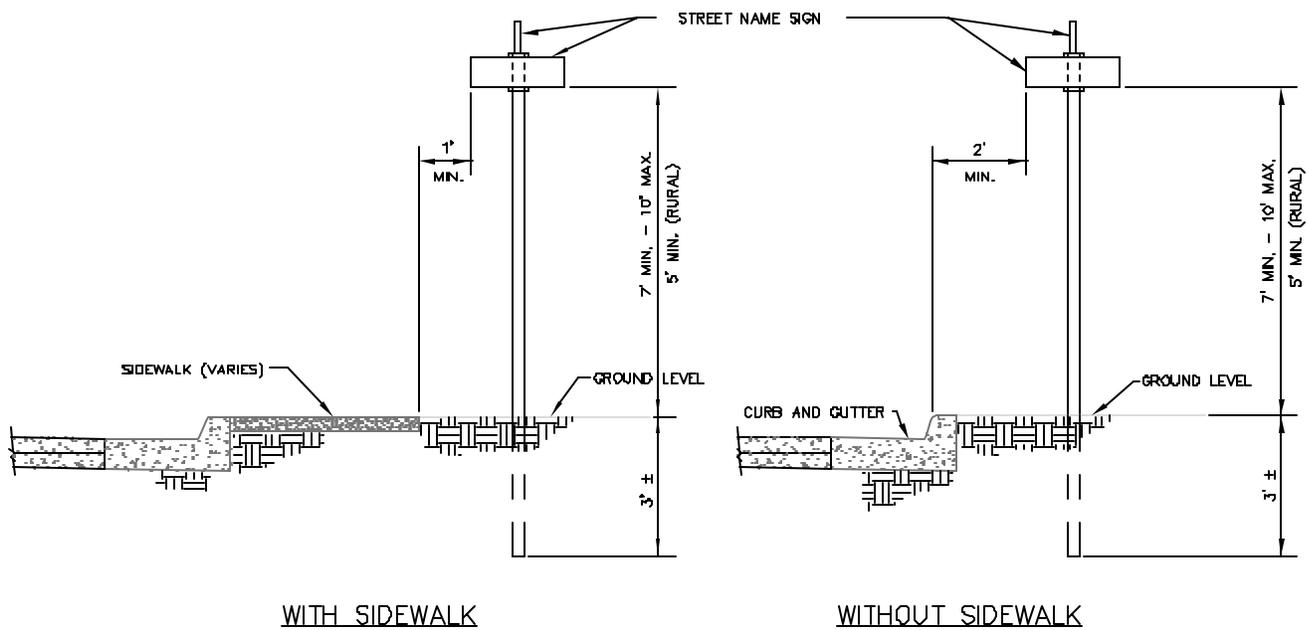
STANDARD CONSTRUCTION DRAWINGS (JULY 2007) REVISED 7/26/2004
 ENGINEERING DEPARTMENT
 CONSTRUCTION STANDARDS
 CITY OF EDMOND
 JULY 26, 2004

REVISIONS	NO.	DATE	ITEM CHANGED
	1	7/26/2004	MODIFIED NOTES

CITY OF EDMOND
 ENGINEERING DEPARTMENT
 CONSTRUCTION STANDARDS

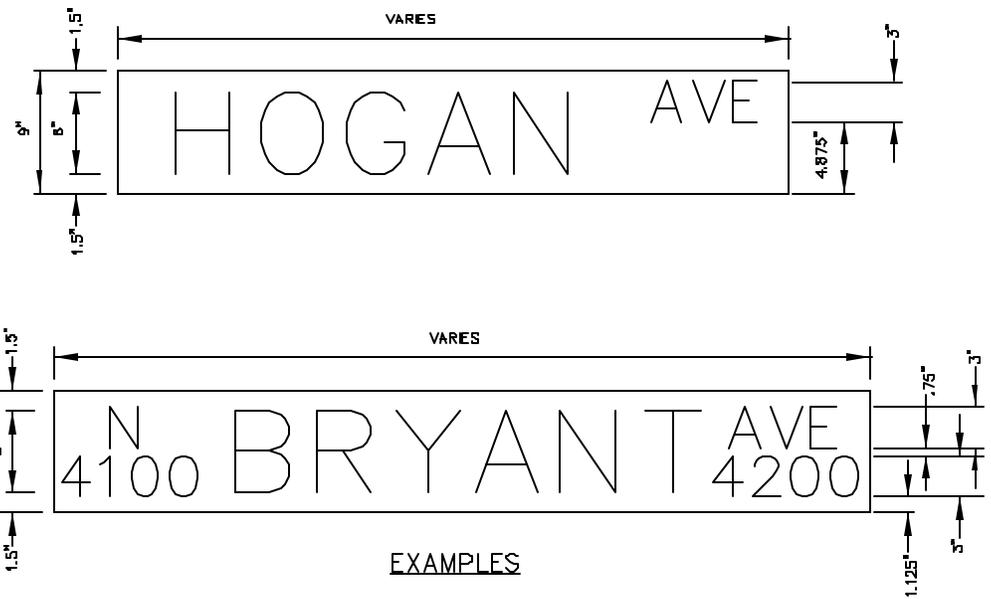
STREET SIGNS
6" SIGN BLANK

TRAFFIC
 SPECIFICATION NO. 791.721
 STS-01 PAGE 295



NOTES

1. STREET NAME SIGNS ARE CLASSIFIED AS GUIDE SIGNS AND SHALL HAVE A GREEN BACKGROUND WITH A WHITE LEGEND.
2. STREET NAME SIGNS SHALL BE REFLECTORIZED WITH DIAMOND GRADE SHEETING (VIP SHEETING) OR APPROVED EQUAL. 6" LETTERING SHALL BE FHWA GOTHIC "B". 3" LETTERING SHALL BE FHWA GOTHIC "C". ALL SPACING PER FHWA SPECIFICATIONS.
3. SIGN BLANKS TO BE 9" EXTRUDED ALUMINUM. POLES TO BE SQUARE 2" GALVANIZED UNLESS USING DECORATIVE POLE POLICY.
4. STREET NAME SIGNS SHALL BE MOUNTED BY CAPS & CROSS (SEE SPECIFICATIONS) METHOD EXCEPT MOUNTING TO DECORATIVE POLES.
5. REFER TO DECORATIVE POLE POLICY IF REQUIRED.



STANDARD CONSTRUCTION DRAWINGS (JULY 2007) REVISED 08-2010
 CITY OF EDMOND ENGINEERING DEPARTMENT
 JULY 2007 REVISION

REVISIONS	NO.	DATE	ITEM CHANGED
CITY OF EDMOND			
ENGINEERING DEPARTMENT			
CONSTRUCTION STANDARDS			

STREET SIGNS
9" SIGN BLANK

TRAFFIC	
SPECIFICATION NO. 791.721	
STS-02	PAGE 295A

GENERAL NOTES

1. STREET NAME SIGNS ARE CLASSIFIED AS GUIDE SIGNS AND SHALL HAVE A GREEN BACKGROUND WITH A WHITE LEGEND.
2. STREET NAME SIGNS SHALL BE REFLECTORIZED WITH DIAMOND GRADE SHEETING (VIP SHEETING) ASTM CLASS IX OR APPROVED EQUAL.
3. MAST ARM SIGN BLANKS TO BE MIN. 18", .063 " ALUMINUM (2 NAMES ON SIGN 24".)
4. MAST ARM SIGN TEXT TO BE HIGHWAY GOTHIC TYPE "C". (IF SIGN WILL BE EXCESSIVELY LONG THEN GOTHIC TYPE "B" MAY BE USED.)

SPECIFICATIONS

1. POLES SHALL BE QUIK PUNCH 2.0", 14 GAUGE, 9.5' (OR APPROVED EQUIVALENT).
2. ANCHORS SHALL BE PGAL/HOLES 2.25", 12 GAUGE, 2.5' (OR APPROVED EQUIVALENT).
3. HARDWARE: DRIVE PIVET W/NYLON WASHER PART #TLDRA 387306 (DR 3868)
4. POLE CAP 2.0" SQ. (FOR EXTRUDED SIGN BLADE) PART #SH 1800 (OR APPROVED EQUIVALENT).
5. CROSS (FOR EXTRUDED SIGN BLADE) PART # SH 1801 (OR APPROVED EQUIVALENT).

ITEMS 1-3
 ALLIED TUBE & CONDUIT - TELES PAR
 TELES PAR TRAFFIC DIVISION
 16100 LATHROP AVENUE
 HARVEY, IL 60426
 800-882-5543

ITEMS 4 & 5
 PELCO PRODUCTS, INC.
 320 SW 18TH STREET
 EDMOND, OK 73013
 405-340-3434

DATE: 7/26/2004
 DRAWN BY: J. W. REEB
 CHECKED BY: J. W. REEB
 DESIGNED BY: J. W. REEB
 PROJECT NO.: 04-01-0000
 SHEET NO.: 296

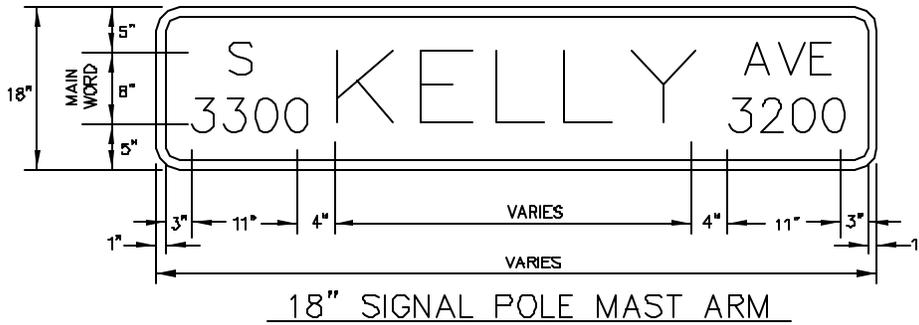
REVISIONS	ND.	DATE	NOTES ADDED ITEM CHANGED
	1	7/26/2004	NOTES ADDED

CITY OF EDMOND
 ENGINEERING DEPARTMENT
 CONSTRUCTION STANDARDS

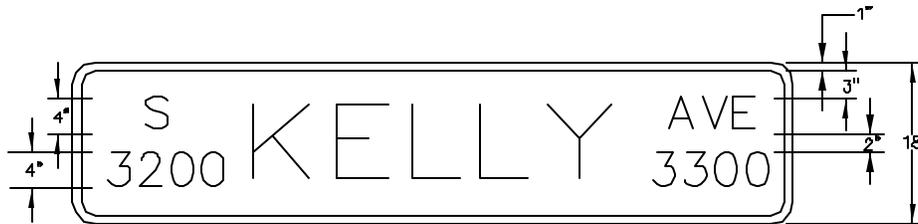
GENERAL NOTES & SPECIFICATIONS

TRAFFIC

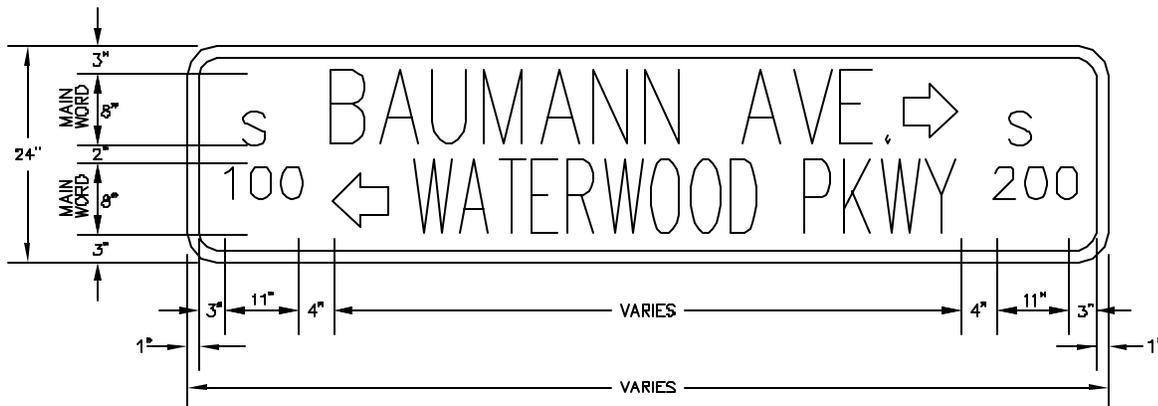
SPECIFICATION NO. 791, 721
 MAS-01 PAGE 296



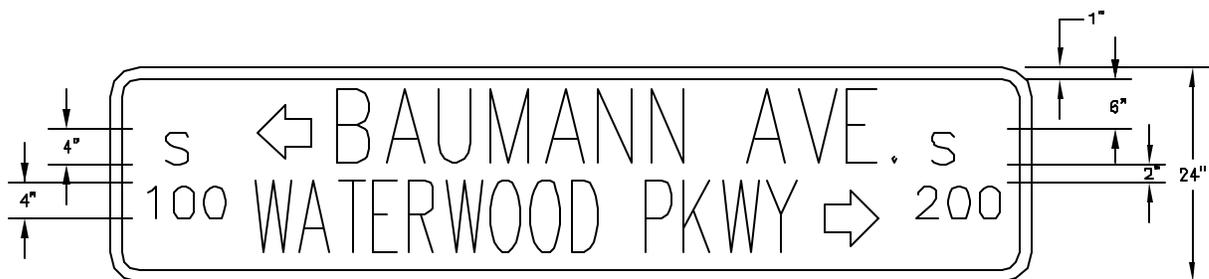
18" SIGNAL POLE MAST ARM



18" OPPOSITE SIGNAL POLE MAST ARM



24" SIGNAL POLE MAST ARM



24" OPPOSITE SIGNAL POLE MAST ARM

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 JULY 26, 2004 REBER

REVISIONS	NO.	DATE	ITEM CHANGED
◇	1	7/26/2004	SPLIT INTO 2 SIGN SIZES

CITY OF EDMOND
 ENGINEERING DEPARTMENT
 CONSTRUCTION STANDARDS

18" & 24" MAST
 ARM SIGNS

TRAFFIC
 SPECIFICATION NO. 791, 721
 MAS-02 PAGE 297

GENERAL NOTES

1. THE GLOBAL POSITIONING SYSTEM (GPS) MONUMENT SHALL BE CONSTRUCTED AND SET ACCORDING TO THE CITY OF EDMOND GPS MONUMENT CONSTRUCTION STANDARD. EVERY MONUMENT SHALL HAVE A CITY OF EDMOND PROVIDED BRONZE MARKER STAMPED WITH A UNIQUE STATION NUMBER. EVERY EFFORT SHALL BE MADE TO PLACE MONUMENTS IN POSITIONS OF EXTREME PROTECTION. ALSO LOCATIONS THAT ARE ACCESSIBLE, SAFE AND "GPSABLE" WILL BE SOUGHT. THE LOCATION OF GPS MONUMENT MUST BE APPROVED BY THE CITY OF EDMOND ENGINEERING DEPARTMENT PRIOR TO CONSTRUCTION.

2. FOLLOWING ACCEPTANCE OF MONUMENT CONSTRUCTION, THE CENTER POINT OF THE MONUMENT SHALL BE SURVEYED BY A PROFESSIONAL LAND SURVEYOR REGISTERED WITH THE STATE OF OKLAHOMA FOR PROFESSIONAL SURVEY SERVICES TO DETERMINE THE ACTUAL POSITIONAL COORDINATES OF THE MONUMENT.

3. COORDINATE DATA WILL BE IN NAD-83 FORMAT INSURING COMPATIBILITY WITH THE NEW OKLAHOMA HIGH ACCURACY REFERENCE NETWORK. ELEVATION DATUM WILL BE MEAN SEA LEVEL TO INSURE ACCURATE REFERENCE TO LOCAL EXISTENT CONTROL, EXISTING CITY OF EDMOND GPS MONUMENTATION AND UNITED STATES GEOLOGICAL SURVEY (USGS) BENCHMARK DATA. COORDINATES WILL BE RECORDED IN BOTH LATITUDE AND LONGITUDE (DEGREES, MINUTES, SECONDS TO THE 4TH SIGNIFICANT DIGIT) AND STATE PLANE U.S. SURVEY FEET.

4. THE MINIMUM POSITIONAL ACCURACY OF GPS MONUMENTS WILL BE WITHIN 2CM. THE ACCURACY OF THE GPS MONUMENT WILL BE CHECKED BY THE CITY OF EDMOND WITHIN ONE MONTH OF THE MONUMENT BEING PLACED AND SURVEYED.

5. THE SURVEYOR SHALL CREATE AND SUBMIT THE FOLLOWING GPS MONUMENT RECORD INFORMATION FOR EACH GPS MONUMENT SURVEYED IN A DIGITAL AND HARDCOPY FORMAT: NAME OF STATION (MONUMENT NUMBER), DESCRIPTION OF MONUMENT, GENERAL LOCATION DESCRIPTION, SPECIFIC LOCATION DESCRIPTION, GEOID MODEL USED, DATUM, ELIPSOID, ELEVATION, MEASUREMENT IN U.S. SURVEY FEET, SEMI-MAJOR AXIS, SEMI-MINOR AXIS, L/F, U.S. SURVEY FOOT, DATUM, LATITUDE (DEGREES, MINUTES, SECONDS TO THE 4TH SIGNIFICANT DIGIT), LONGITUDE (DEGREES, MINUTES, SECONDS TO THE 4TH SIGNIFICANT DIGIT), HAE, SPCC NAD-83 (U.S. SURVEY FOOT) ZONE- OKLAHOMA NORTH, NORTHING, EASTING, MSL ELEVATION, REFERENCES AND NOTES OR SPECIAL INSTRUCTIONS WITH A GENERAL LOCATION MAP.

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 JULY 26, 2004
 REEHER

◇	7/26/2004	LOCATION APPROVAL
REVISIONS	ND.	DATE
		ITEM CHANGED

CITY OF EDMOND
 ENGINEERING DEPARTMENT
 CONSTRUCTION STANDARDS

GPS MONUMENT
 GENERAL NOTES

MISC.	
SPECIFICATION NO.	
M0-01	PAGE 300

