

LEGEND

DESCRIPTION	SYMBOL	
	PROPOSED	EXISTING
12" WATER PIPELINE	12" DIP	12" STL
66" WATER PIPELINE	66" MLCP ACCESS MH	66" MLCP
IN-LINE VALVE VAULT		
ACCESS MANHOLE (TO PIPELINE)		
BLOWOFF		
COMBINATION AIR VALVE		
TEST STATION (CATHODIC)		
REDUCER		
END CAP FOR WATER PIPELINE		
WATER VALVE		
FIRE HYDRANT ASSEMBLY		
WATER METER	WM	WM
WATER METER SIZE	1"	
IDENTIFICATION HEXAGON	XX	
EDGE OF PAVEMENT		
SANITARY SEWER MANHOLE		
STORM DRAIN MANHOLE		
POWER POLE W/GUY WIRE		
STREET LIGHT		
SBMWD SURVEY MONUMENT		
POLYGON FOR TRANSMISSION POLE		
ELECTRICAL BOX	ELEC	ELEC
ELECTRICAL PANEL BOX	ELEC PANEL	ELEC PANEL
CABLE TV	CTV	CTV
FENCE	X X X X X	X X X X X
GAS LINE	2" G	2" G
CONTOURS	2640	2640
DITCH		
SANITARY SEWER	10" SS	10" SS
STORM DRAIN	24" SD	24" SD
UNDERGROUND POWER	UGP	UGP
UNDERGROUND TELEPHONE	UGTEL	UGTEL
CURB, GUTTER AND SIDEWALK		
PROPERTY LINE	R	R
CENTER LINE	C	C
BLOCK WALL		
RIGHT-OF-WAY LINE		
PATENT RESERVATION OR EASEMENT LINE		
SECTION LINE		
ANGLE (HORIZONTAL OR VERTICAL)		
ANGLE OF CURVE		
FIELD WELD		
REFERENCE BUBBLE	1 XX C1, C9, C11	DETAIL OR SECTION REFERENCE NUMBER (DETAIL) OR LETTER (SECTION) DRAWING NUMBER OF SHEET WHERE DETAIL OR SECTION RESIDES ALL SHEETS THAT REFERENCE TO THE DETAIL OR SECTION

MATERIALS LIST AND QUANTITIES:

SIZE	DESCRIPTION	CONFIGURATION	QUANTITY
12"	AWWA C151 CML D.I.P.	TJ	1,362 LF
10"	AWWA C151 CML D.I.P.	TJ	41 LF
6"	AWWA C151 CML D.I.P.	TJ	38 LF
16"	STAINLESS STEEL SADDLE	S.B.M.W.D. STD. W3.5	1 EA
12"	G.V. W/CAN AWWA C515	S.B.M.W.D. STD. W3.1	1 EA
12"	B.V. W/CAN AWWA C504	S.B.M.W.D. STD. W3.2	2 EA
6"	G.V. W/CAN AWWA C515	FL X M.J.	5 EA
10"	G.V. W/CAN AWWA C515	FL X M.J.	2 EA
6"	AWWA C503-82 F.H. W/BURY	S.B.M.W.D. STD. W2.2 "CONFIG. B"	5 EA
10"	MJ CAP W/ 2" FLUSHPORT	S.B.M.W.D. STD. W6.7	2 EA
STD.	BLUE DOT PVMT. MARKER	S.B.M.W.D. STD. W6.3	5 EA
10"	FIRE SERVICE	S.B.M.W.D. STD. W1.14	2 EA
2"	AUTOMATIC BLOWOFF	S.B.M.W.D. STD. W6.8	1 EA
2"	CHLORINATION PORT	W3.5 & 6.7	4 EA
12"	D.I. SLEEVE	M.J.	1 EA
12"	D.I. END CAP W/ 2" PORT	M.J.	1 EA
PER DETAIL	THRUST BLOCK	S.B.M.W.D. STD. W6.4A	1 EA
12"	D.I. ADAPTER	FL X M.J.	1 EA
12"x12"x6"	TEE	M.J. X M.J. X FL	5 EA
12"x12"x10"	TEE	M.J. X M.J. X FL	2 EA
12"	90° D.I. ELL	M.J.	1 EA
*12"	MJ RESTRAINT JOINT	FIELD-LOK	703.5 LF
2"	AIR VAC	W7.1 & 7.6	1 EA
12"	45° D.I. ELL	M.J.	4 EA

* NUMBER IS APPROXIMATE. ACTUAL NUMBER WILL DEPEND ON PIPE LENGTHS USED IN RESTRAINED AREAS.

PAVEMENT SECTION SCHEDULE

NO.	PAVEMENT THICKNESS	BASE THICKNESS	PCC THICKNESS
1	3.0"	NONE	4.0"
2	4.0"	6.0"	NONE

* PAVEMENT SECTION SHOWN IS AT A SPECIFIC LOCATION AND DOES NOT REPRESENT THE ENTIRE PROJECT AREA. CONTRACTOR IS RESPONSIBLE FOR ALL PAVEMENT, AGGREGATE BASE AND SUBGRADE REMOVAL AS REQUIRED TO CONSTRUCT THE PROPOSED IMPROVEMENTS.

SERVICE SCHEDULE:

SIZE	TYPE	STD. NO.	BACKFLOW REQ.	QUANTITY
2"	COMBINATION DOMESTIC & IRRIGATION	W 1.8	YES	1
1"	IRRIGATION	W 1.1	YES	1

QUANTITY NOTES:

- QUANTITIES ARE FOR PLAN CHECK AND BONDING PURPOSES ONLY.
- CONTRACTOR IS RESPONSIBLE FOR CALCULATING OWN QUANTITIES.

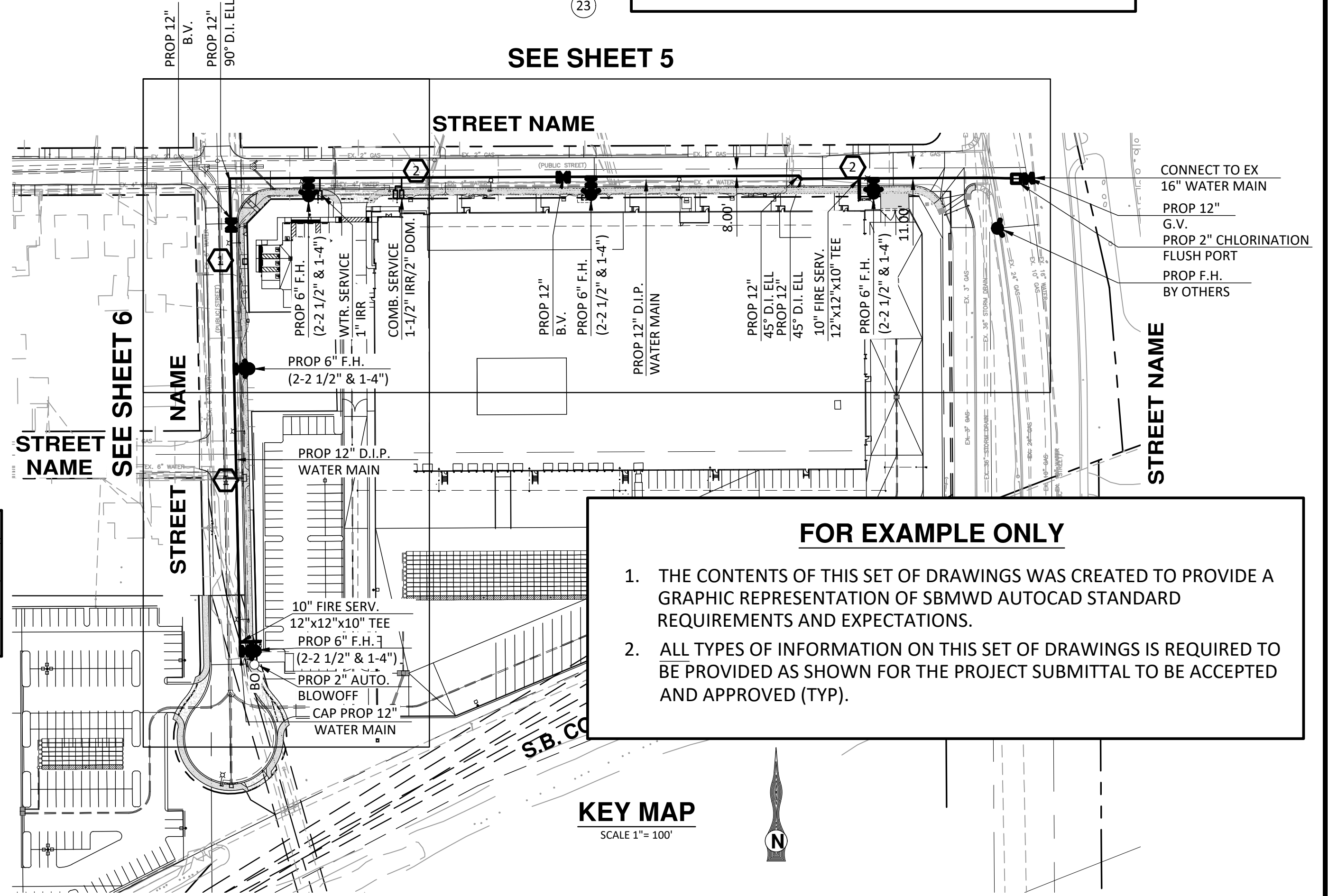
NOTICE TO CONTRACTOR:

INSERT ENGINEER'S NOTICE TO CONTRACTOR, LANGUAGE AS DESIRED

CONSTRUCTION NOTES:

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INSERT CONSTRUCTION NOTES HERE



UNDERGROUND SERVICE ALERT

CALL: TOLL FREE
1-800-227-2600

TWO WORKING DAYS BEFORE YOU DIG

INSERT ENGINEER'S STAMP HERE

INSERT CONSULTANT LOGO, NAME, ADDRESS AND PHONE NO. HERE

APPROVED BY: _____ DATE: _____
REGISTERED CIVIL ENGINEER No. XXXXX

MARK	REVISIONS	APPROVED	DATE	APPROVED	DATE

BENCHMARK: _____

ELEV. = XXXX.XX FT.

CITY OF SAN BERNARDINO WATER DEPT.

PROJECT MANAGER: ROBERT LINDBERG
ENGINEERING ASSOCIATE

ENGINEERING MANAGER: WARREN HUANG, P.E.
CA. R.C.E. 49208

GENERAL MANAGER: MIGUEL GUERRERO, P.E.
CA. R.C.E. 73239

CITY OF SAN BERNARDINO
MUNICIPAL WATER DEPARTMENT

PROJECT TITLE
CONSTRUCTION NOTES, LEGEND,
AND KEY MAP

DRAWING SCALES:
HORIZ: N/A VERT: N/A

C.O. NO.:
XXXXX

G3

SHEET **3** OF **XX**

PROJECT TITLE - XXXX-SUBMITTAL