



BENCH MARKS ELEV.

PL.B.M. #11-252A N.E. COR. REGULAR & LIVERNOIS	109.766
ARROW ON HYDRANT S.E. COR. VERNOR & DRAGON	119.32
SPIKE IN D.S.R. POLE W. SIDE DRAGON AT DRAGON & LIVERNOIS	117.80
ARROW ON HYDRANT S.E. COR. MEMILLAN & LIVERNOIS	120.09
PL.B.M. #12-253A N.E. COR. VERNOR & LIVERNOIS	110.571

LEGEND

- EXISTING GAS LINES
- EXISTING WATER LINES
- EXISTING LATERAL SEWERS
- EXISTING SEWER CYLINDERS
- PROPOSED CURB
- CURB TO BE REMOVED
- (M) CONSTRUCT STANDARD 4" SIDEWALK
- (C) CONSTRUCT 18"x12" Y CATCH BASIN
- (A) ABANDON CATCH BASIN
- (J) ADJUST CATCH BASIN
- (B) ADJUST MAN HOLE

LIVERNOIS - McMILLAN INTERSECTION GRADE DETAIL
 NUMBERS (115.96) ARE EXISTING ELEVATIONS
 NUMBERS (116.40) ARE PROPOSED ELEVATIONS
 SCALE 1"=20'

DRAGON - VERNOR INTERSECTION GRADE DETAIL
 NUMBERS (116.22) ARE EXISTING ELEVATIONS
 NUMBERS (116.47) ARE PROPOSED ELEVATIONS
 SCALE 1"=20'

QUANTITIES

REMOVAL ITEMS	AMOUNT
CURB REMOVAL	812' LIN. FT.
WALK REMOVAL	788' SQ. FT.
PAVMT REMOVAL	1979' SQ. YD.
EXCAVATION	1164' C.Y.D.

CONSTRUCTION ITEMS	AMOUNT
STD. 4" WALK	12737' SQ. FT.
SEPARATE TYPE CURB	1091' LIN. FT.
PAVMT	2169' SQ. YD.
9" UNIFORM CONC.	336' SQ. YD.
7" UNIFORM CONC.	45' SQ. YD.
STRIPPING & RESURFACING	1201' SQ. YD.
TOP SOIL FILL	18' C.Y.D.
CATCH BASINS	9' EA.
12" SEWER PIPE	425' LIN. FT.

NOTE TO SURVEY DIVISION
 SEE CITY ENGINEERS OFFICE DRAWING NO. C-1848 FOR PROPERTY CONDEMNATION

DESIGNED BY	M. Lan	APPROVED	[Signature]
DRAWN BY	SIL AGRESTA	ENGINEER	[Signature]
TRACED BY		CITY ENGINEER	[Signature]
CHECKED BY	BEHM		

**CITY OF DETROIT
 DEPARTMENT OF PUBLIC WORKS
 CITY ENGINEER'S OFFICE
 BUREAU OF**

**ELIMINATION OF JOG AT DRAGON - LIVERNOIS - VERNOR
 TO FACILITATE PROPOSED ONE-WAY OPERATION**

TRAFFIC ENG. DRAWG NO. IC-191

BOOK NO.	LEVELS ON FILE	SCALE	1"=30'	DWG.	C-1960
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DRAW-15