

LEGAL DESCRIPTION
A PORTION OF THE SOUTH HALF (S 1/2) OF THE
SOUTHWEST QUARTER (SW 1/4) OF THE SOUTHEAST
QUARTER (SE 1/4) OF SECTION 8, TOWNSHIP 19 SOUTH,
RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK
COUNTY, NEVADA.

BENCHMARK
CLV. BM #7, STA. 0+000.00
RIVET & PLATE IN TOP OF CURB
@ S.W. CORNER OF
GRAND TETON & DURANGO DRIVE
ELEVATION = 2539.74 (NAVD 88)
(774.140 METERS)

BASIS OF BEARINGS
THE BASIS OF BEARINGS FOR THIS PROJECT IS GRID
NORTH, AS DEFINED BY THE NEVADA COORDINATE SYSTEM
OF 1983 (NCS83) EAST ZONE, (2701) AS DETERMINED BY
CLARK COUNTY GIS CONTROL POINTS 801, 805, AND 806.

DISCLAIMER NOTE:

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY.
IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE
THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL
EXISTING UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO COMMENCING
CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING
UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO
RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN
IN THEIR PROPER LOCATION.
CONTRACTOR TO NOTIFY ENGINEER OF ANY CHANGES OR DISCREPANCIES.

Avoid cutting underground
utility lines. If's costly.
Call
before you
Dig
1-800-227-2600
UNDERGROUND SERVICE (USA)

Avoid overhead power
line contact.
Call
before you
Overhead
1-702-593-6111
NEVADA POWER CORPORATION
AND SAFETY SERVICES DEPARTMENT

CONSTRUCTION NOTES:

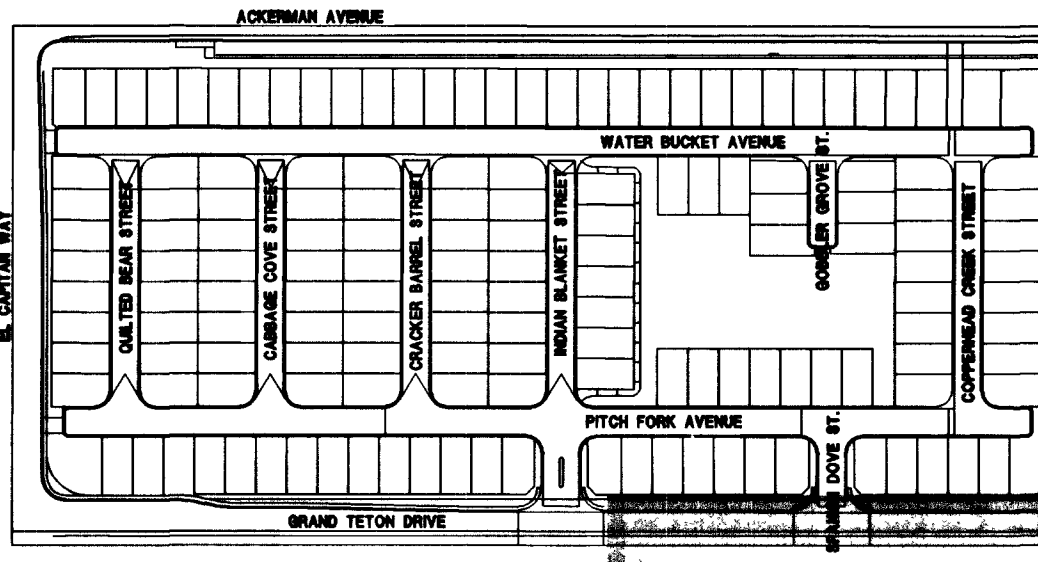
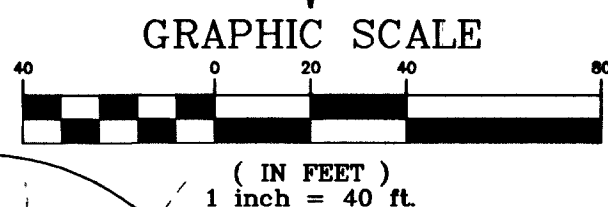
1. CONSTRUCT 24-INCH "L" TYPE CURB AND GUTTER PER CCA
STD. DWG. NO. 216.
2. CONSTRUCT 30-INCH "ROLL" TYPE CURB AND GUTTER PER
CCA STD. DWG. NO. 217A.
3. CONSTRUCT 8" VALLEY GUTTER PER CCA STD. DWG. NO. 228.
4. CONSTRUCT CURB TRANSITION PER DETAIL ON SHEET 22.
5. CONSTRUCT SIDEWALK RAMP PER CCA STD. DWG. NO. 235.

CURVE	RADIUS	LENGTH	TANGENT	DELTA
C16	30.00	47.12	30.00	90°00'00"
C17	30.00	47.12	30.00	90°00'00"

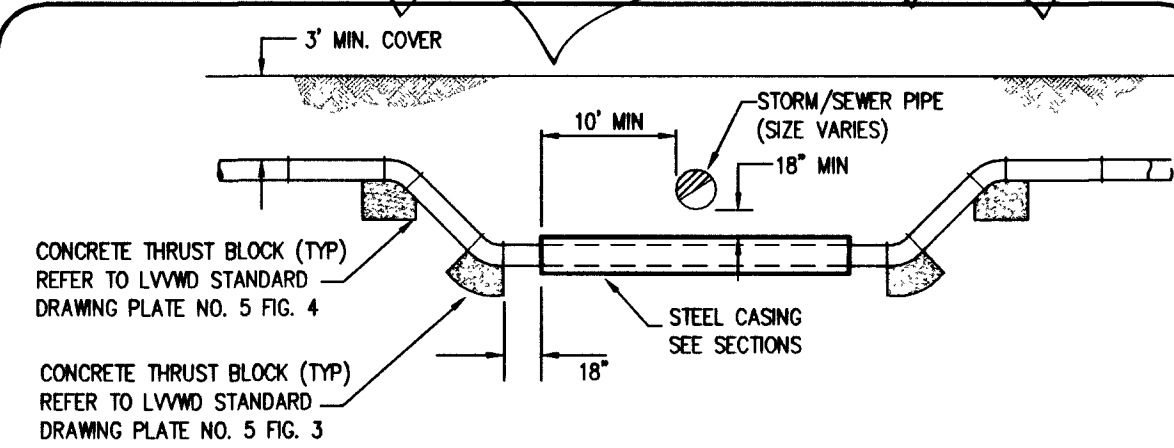
NOTE

SEE SHEET 21 FOR STORM DRAIN
FOR LATERAL PLAN & PROFILES

INSTALL DROP INLET WITH FRAME
AND GRATE PER DETAIL ON SHEET 19
L=4'
TE=2570.25
INV.=2566.41



KEY MAP



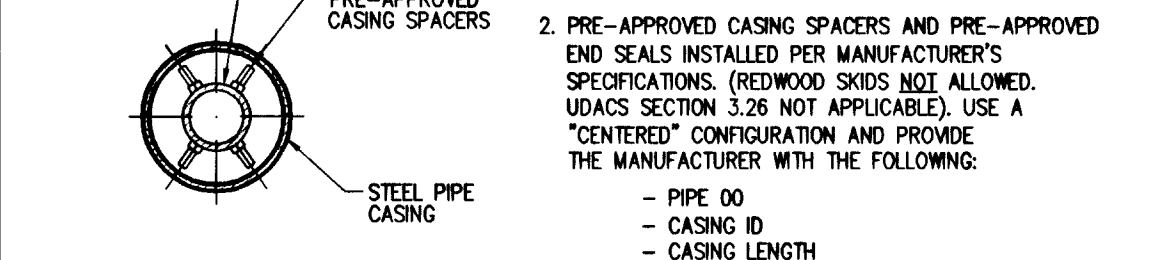
CONCRETE THRUST BLOCK (TYP)
REFER TO LVWD STANDARD
DRAWING PLATE NO. 5 FIG. 4

CONCRETE THRUST BLOCK (TYP)
REFER TO LVWD STANDARD
DRAWING PLATE NO. 5 FIG. 3

WHERE THE WATER LINE IS LESS THAN 18 INCHES OVER THE SEWER LINE, WHERE THE WATER LINE IS UNDER THE SEWER
LINE, AND WHERE THE HORIZONTAL SEPARATION, AS REQUIRED BY THE WATER SUPPLY REGULATIONS, CANNOT BE
MAINTAINED BECAUSE OF PHYSICAL OBSTRUCTIONS, THE WATER LINE SHALL BE PROTECTED BY CONSTRUCTION OF THE
STORM/SEWER LINE AS FOLLOWS:

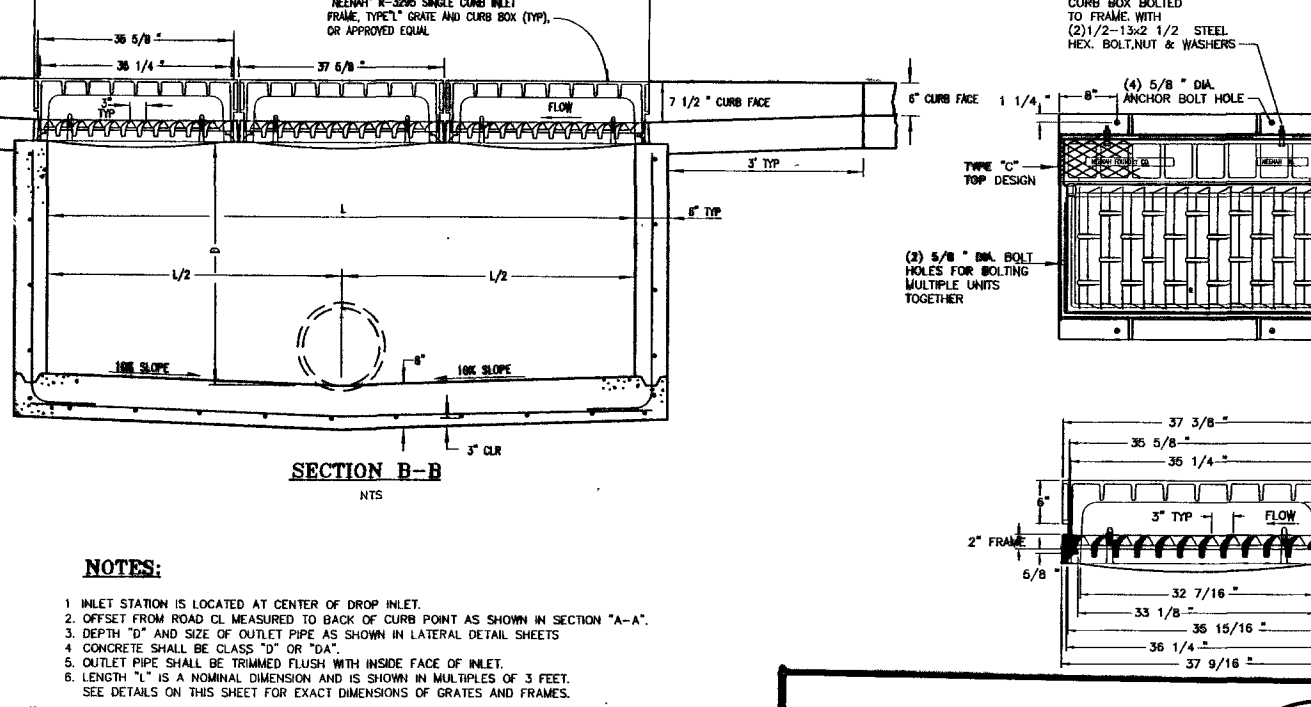
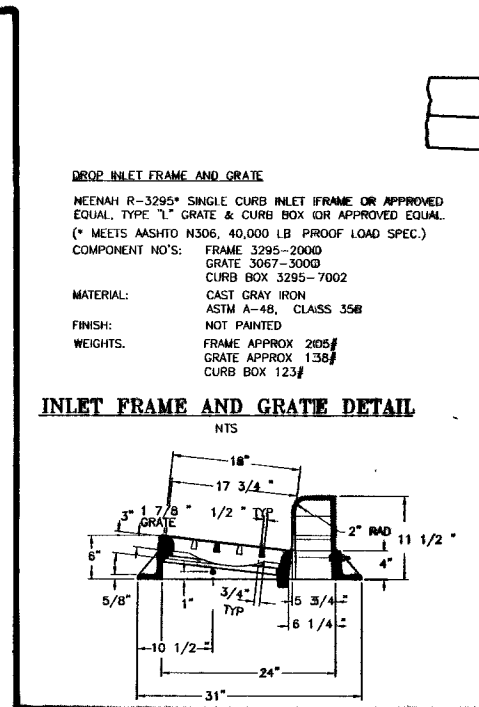
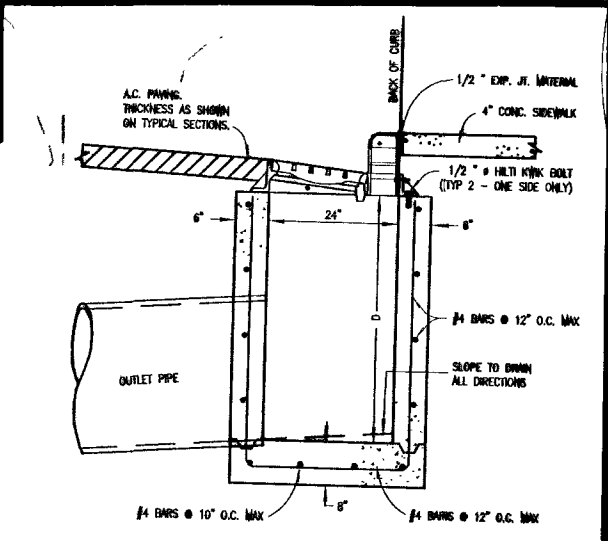
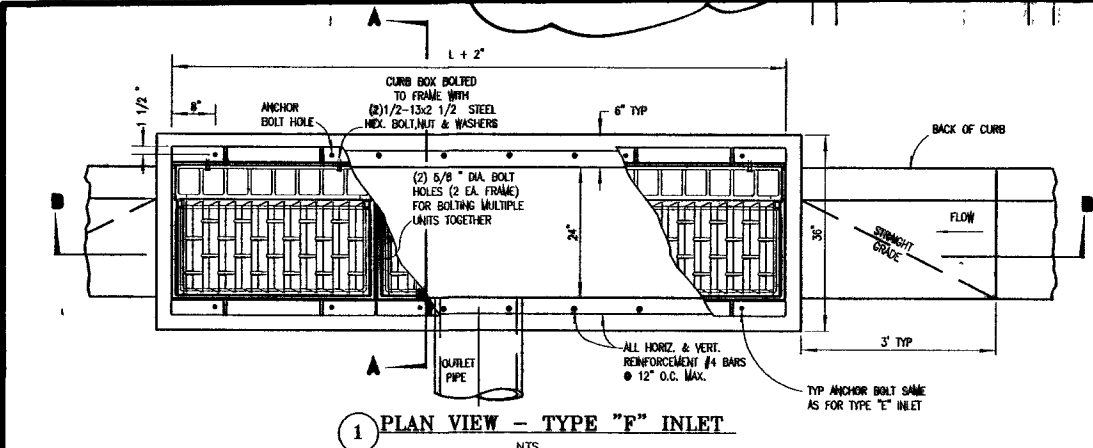
1. EXTRA HEAVY CAST IRON PIPE;
2. WATER SUPPLY QUALITY MATERIALS; OR
3. ENCASUREMENT WITH FOUR INCHES, MINIMUM, OF CONCRETE
OR SLEEVING WITH WATER SUPPLY QUALITY PIPE.

EACH OF THESE PROVISIONS SHALL ALSO BE EXTENDED FOR OTHER THAN 90 DEGREE CROSSINGS TO THE POINT AT
WHICH THE TEN FOOT SEPARATION BETWEEN THE WATER AND SEWER LINES IS ACHIEVED (10'/SINE OF CROSSING ANGLE).



- NOTES:
1. STEEL PIPE CASING SYMMETRICAL ABOUT
WATER MAIN CENTERLINE.
 2. PRE-APPROVED CASING SPACERS AND PRE-APPROVED
END SEALS INSTALLED PER MANUFACTURER'S
SPECIFICATIONS. (REDWOOD SKIDS NOT ALLOWED.
UDACS SECTION 3.26 NOT APPLICABLE). USE A
"CENTERED" CONFIGURATION AND PROVIDE
THE MANUFACTURER WITH THE FOLLOWING:
- PIPE OD
- CASING ID
- CASING LENGTH

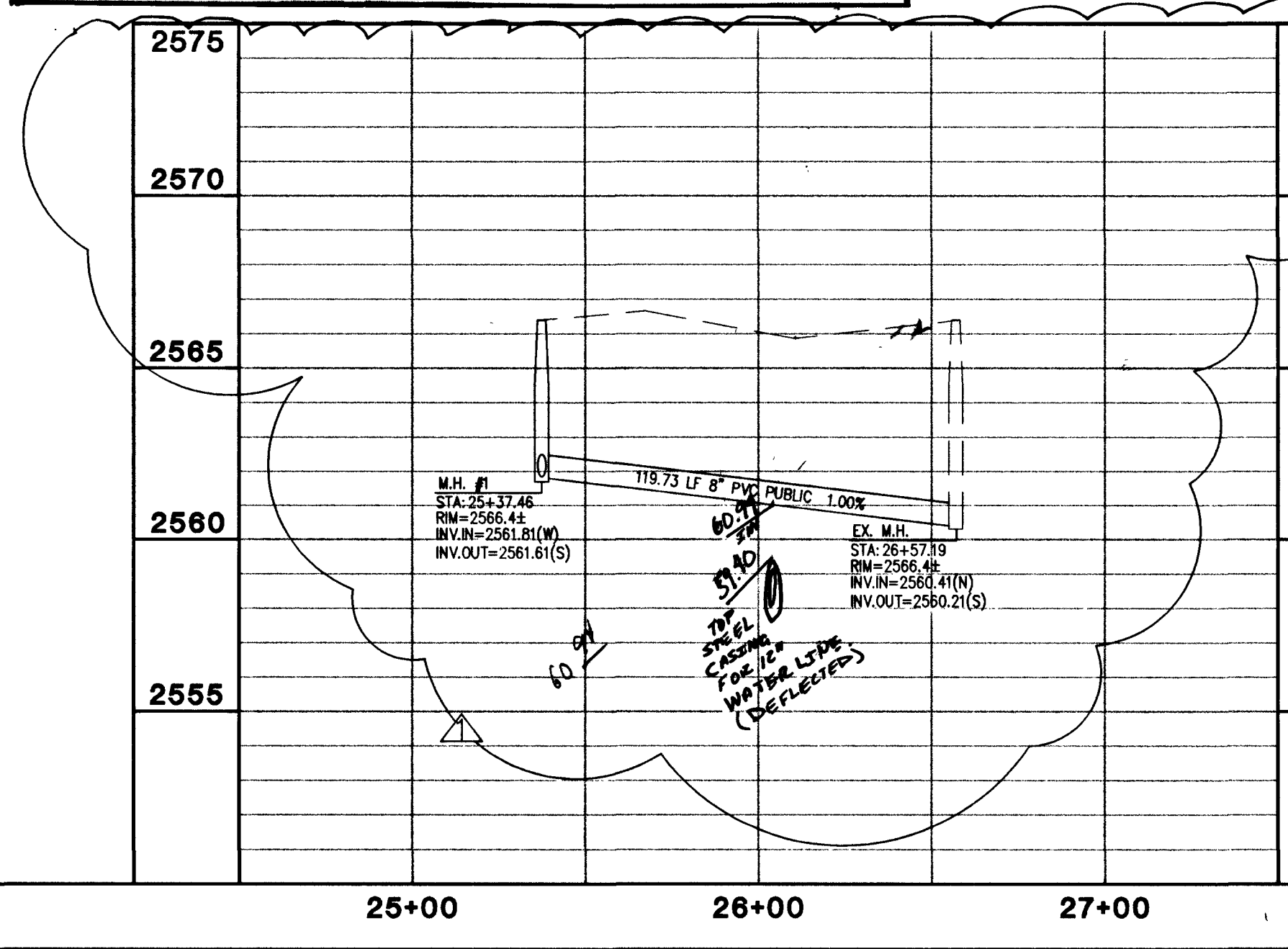
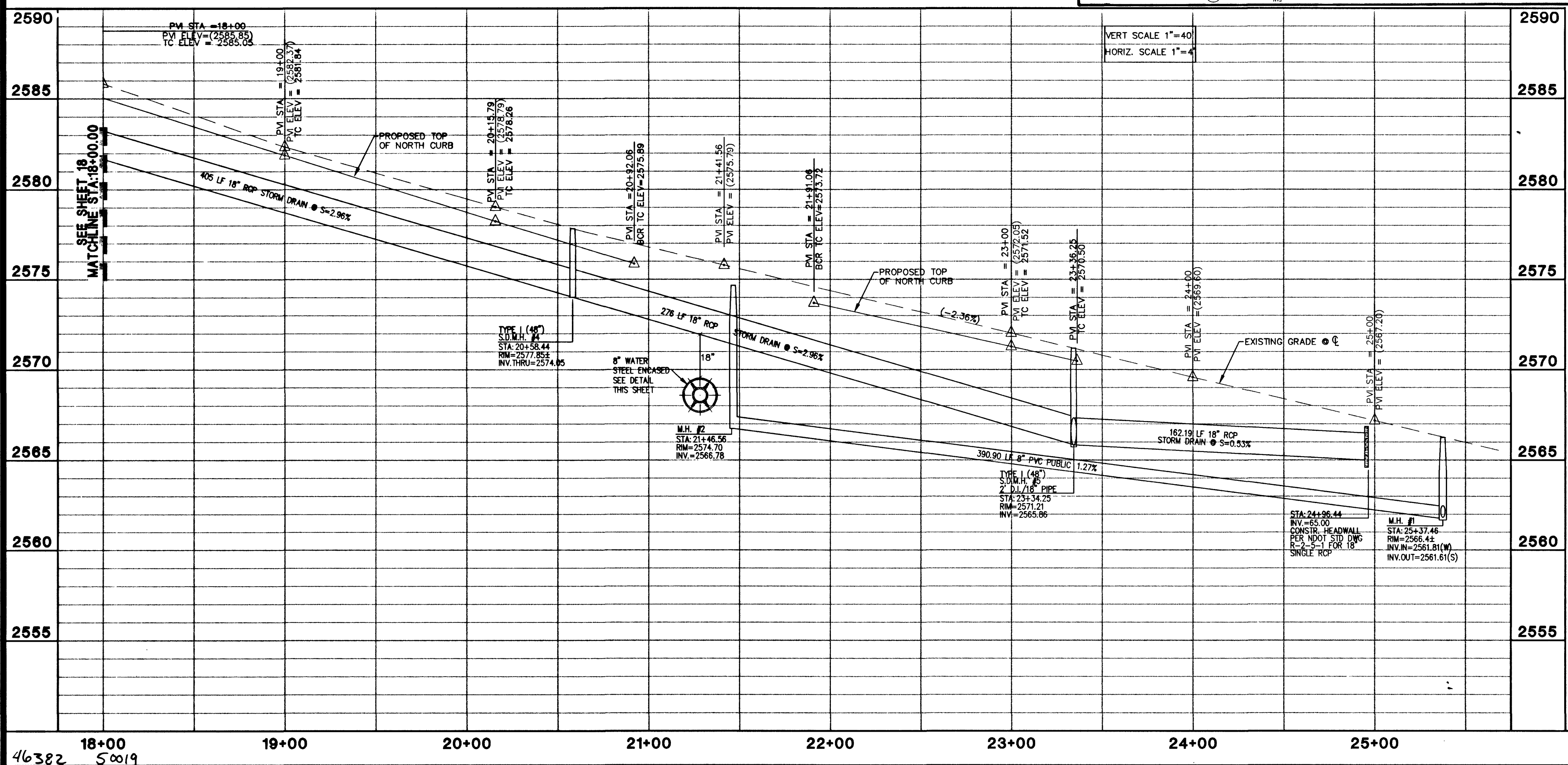
1. STEEL PIPE CASING SHALL BE FABRICATED FROM A MINIMUM OF 1/4" THICK STEEL PLATES, CONFORMING TO THE
REQUIREMENTS OF ASTM A283, GRADE B, C OR D. ALL JOINTS SHALL BE WELDED. INTERIOR JOINTS SHALL BE
GROUND TO A SMOOTH FINISH. ALL WELDING SHALL BE PERFORMED IN ACCORDANCE WITH ANNA C200, "ANNA STANDARD
FOR FABRICATED ELECTRICALLY WELDED STEEL WATER PIPE". COATINGS FOR STEEL CASING ARE NOT REQUIRED.
2. PIPE CASING SHALL BE LAID TRUE TO LINE AND GRADE WITH NO BENDS OR CHANGES IN GRADE FOR THE FULL LENGTH
OF THE CASING.
3. THE PIPE SHALL BE SUPPORTED AT EACH END JOINT WITH SPACERS. AFTER INSTALLATION OF THE PIPE, THE CASING
SHALL BE SEALED AT BOTH ENDS WITH CASING END SEALS. DUCTILE IRON PIPE JOINTS INSIDE CASING ARE TO BE
RESTRAINED.



NOTES:

1. INLET GRATE SHALL BE LOCATED AT CENTER OF DROP INLET.
2. DRAIN FROM ROAD TO MEASURED TO BACK OF CURB POINT AS SHOWN IN SECTION "A-A".
3. DRAIN "T" AND SIZE OF DRAIN PIPE AS SHOWN IN LATERAL PLAN SHEETS.
4. CONCRETE SHALL BE CLASS "C" OR "D".
5. INLET PIPE SHALL BE THREADED PLUMB WITH INSIDE FACE OF INLET.
6. EXISTING "T" AND "D" DRAINAGE CONDITIONS SHALL BE SHOWN IN LATERAL PLAN SHEETS.
7. SEE DETAILS ON THIS SHEET FOR EXACT DIMENSIONS OF GRATES AND FRAMES.

**GRAND TETON DRIVE
PUBLIC**



**GRAND TETON DR (18" S.D.)
PLAN & PROFILE**

**Spring Mountain Ranch Unit 57
BY RICHMOND AMERICAN HOMES**

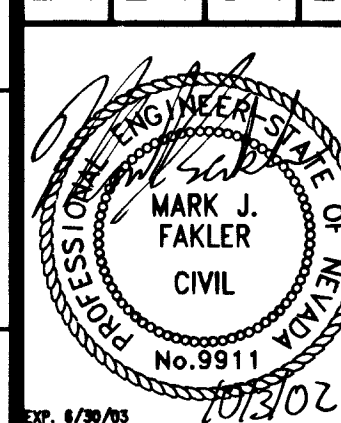
DRAWN BY:
TAM

DESIGNED BY:

CHECKED BY:

PROJECT NO:
240596

SCALE: 1"=40'
HORIZ.
1"=4'



SHEET
19
OF 22 SHEETS

DRAWING NO.
327Y-4518-57

6655 Bermuda road
Las Vegas, NV 89119
(702) 938-5400 Fax (702) 938-5454

Carter Burgess
Consultants in Planning, Engineering,
Construction Management, and Related Services