NOTE: THIS IS TO CERTIFY THAT THE ABOVE SIGNED HAVE REVIEWED ALL SHEETS PROVIDED AND FOUND THEM TO BE IN GENERAL COMPLIANCE WITH THE REQUIREMENTS ESTABLISHED BY THE CITY OF MANVEL. THIS APPROVAL IS ONLY VALID FOR TWO YEARS. PLEASE NOTE, THIS DOES NOT NECESSARILY MEAN THAT ALL THE CALCULATIONS PROVIDED IN THE PLANS HAVE BEEN COMPLETELY CHECKED AND VERIFIED, THE PLANS SUBMITTED HAVE BEEN PREPARED, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE ENGINEERING IN THE STATE OF TEXAS, WHICH CONVEYS THE ENGINEER'S RESPONSIBILITY AND ACCOUNTABILITY.
GENERAL CONSTRUCTION

1. WATER MAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF MANVEL WATER DESIGN CRITERIA MANUAL, LATEST EDITION.
2. ALL EXCAVATIONS WHICH CANNOT BE BACKFILLED OVERNIGHT SHALL BE COVERED, AS A MINIMUM, WITH STEEL PLATING OR ADJACENT CONSTRUCTION.
3. WHEN IN PAVED AREAS; 3/4 INCH PLYWOOD, WOOD PLANKING WITH OSHA ORANGE PLASTIC EXPANDED MESH BARRIER AROUND PERIMETER IN UNPAVED AREAS, OR AS APPROVED BY TRENCH SAFETY SYSTEM TO MEET, AS A MINIMUM, THE REQUIREMENTS OF OSHA SAFETY AND HEALTH REGULATIONS, LATEST EDITION.
4. ALL WATER MAINS TO BE BACKFILLED TO ONE (1) FOOT ABOVE TOP OF PIPE WITH BANK SAND. FOR PORTIONS OF PIPE LOCATED UNDER PAVEMENT, BACKFILL FROM INITIAL BACKFILL LIFT TO THREE FEET ABOVE TOP OF PIPE WITH BANK SAND.
5. MINIMUM STABILIZED SUBGRADE THICKNESS SHALL BE SIX (6) INCHES.
6. PRESSURE TEST OF ALL WATER LINES SHALL BE AT 150 PSI FOR FOUR (4) HOURS AND WITNESSED BY THE CITY OF MANVEL PROJECT MANAGER, EXCEPT FIRE LINES WHICH SHALL BE TESTED AT 200 PSI FOR TWO (2) HOURS AND SHALL BE WITNESSED BY THE FIRE MARSHALL.
7. A TEST, TO BE SUCCESSFUL SHALL BE WITNESSED BY THE CITY OF MANVEL PROJECT MANAGER FOR A FOUR (4) HOUR PERIOD, DURING REASONABLE HOURS. THE ALLOWABLE PRESSURE LOSS FOR THE WATER LINE IS 10% OF THE TESTED PRESSURE.
8. PRESSURE TEST SHALL BE CALLED TO THE CITY OF MANVEL WATER DESIGN CRITERIA MANAGER PRIOR TO TESTING TO ENSURE THAT THE PLUMBING PERSONNEL ARE NOT CAUGHT UNEXPECTEDLY.
9. AMERICAN WATER WORKS ASSOCIATION (AWWA) C-605 AS REQUIRED IN 30 TAC 290.44(a)(5). PLEASE ENSURE THAT THE FORMULA FOR THIS CALCULATION IS CORRECT AND MOST APPROPRIATE FOR THE PROJECT.
10. A TEST, TO BE SUCCESSFUL SHALL BE WITNESSED BY THE CITY OF MANVEL PROJECT MANAGER FOR A FOUR (4) HOUR PERIOD, DURING REASONABLE HOURS. THE ALLOWABLE PRESSURE LOSS FOR THE WATER LINE IS 10% OF THE TESTED PRESSURE.
11. MINIMUM CONCRETE SLAB THICKNESS SHALL BE SIX (6) INCHES.
12. ALL STORM SEWER MANHOLE COVERS MUST INCLUDE THE WORDS, "STORM SEWER" AND "CITY OF MANVEL" AND HAVE THE "CITY SEAL." MANHOLE COVERS SHALL BE THIRTY-TWO (32) LINEAR FEET, OR BETWEEN MANHOLES, WHICHEVER RESULTS IN THE GREATEST NUMBER OF DENSITY TESTS.
13. ALL WATER MAINS TO BE BACKFILLED TO ONE (1) FOOT ABOVE TOP OF PIPE WITH BANK SAND.  FOR PORTIONS OF PIPE LOCATED UNDER PAVEMENT, BACKFILL FROM INITIAL BACKFILL LIFT TO THREE FEET ABOVE TOP OF PIPE WITH BANK SAND.
14. HYDROMULCHING OF CONCRETE CURB FORMS MAY BE REQUIRED TO ACHIEVE THE REQUIRED DENSITY TESTS. THIS FORM NEEDS TO BE LABELED "CONSTRUCTION" OR "SPECIAL.
15. WATER MAINS TO BE BACKFILLED TO ONE (1) FOOT ABOVE TOP OF PIPE WITH BANK SAND.  FOR PORTIONS OF PIPE LOCATED UNDER PAVEMENT, BACKFILL FROM INITIAL BACKFILL LIFT TO THREE FEET ABOVE TOP OF PIPE WITH BANK SAND.
SANITARY:

RATING OF AT LEAST 150 PSI. THE WASTEWATER MAIN OR LATERAL SHALL BE EMBEDDED IN CEMENT STABILIZED SAND (SEE ITEM 26 BELOW) FOR THE TOTAL LENGTH OF ONE PIPE SEGMENT PLUS 12 INCHES BEYOND THE JOINT ON EACH END.

FOR ALL PVC PIPE, USE MANHOLE WATER STOP GASKET AND CLAMP ASSEMBLY AT MANHOLE CONNECTIONS.

NOTES 22, 23 & 25 BELOW FOR MORE DETAIL.

LINES TO BE AIR TESTED IN ACCORDANCE WITH THE CITY OF MANVEL DESIGN CRITERIA MANUAL.

MINIMUM VERTICAL SEPARATION DISTANCE OF TWO FEET SHALL BE PROVIDED. THE WASTEWATER MAIN OR LATERAL SHALL BE LOCATED BELOW THE WATERLINE.

EMBEDDED IN CEMENT STABILIZED SAND (SEE ITEM 26 BELOW) FOR THE TOTAL LENGTH OF ONE PIPE SEGMENT PLUS 12 INCHES BEYOND THE JOINT ON EACH END.

MANHOLES SHALL NOT BE ALLOWED.

ENCASEMENT PIPE SHOULD BE CENTERED ON THE CROSSING AND BOTH ENDS SEALED WITH NON-SHRINK CEMENT GROUT OR WITH A MANUFACTURED SEAL.

MINIMUM OF TWO (2) FEET OF SEPARATION SHALL BE MAINTAINED. THE INITIAL BACKFILL SHALL BE CEMENT-STABILIZED SAND (MINIMUM 1.1 SACKS OF CONCRETE PER TON OF SAND) FOR ALL SECTIONS OF SANITARY SEWER PIPE. THE POTABLE WATERLINE SHALL BE AT LEAST TWO FEET ABOVE AN EXISTING, NON-PRESSURE RATED WASTEWATER MAIN OR LATERAL.

ALL SANITARY SEWER MANHOLE COVERS MUST INCLUDE THE WORDS “SANITARY SEWER” AND “CITY OF MANVEL”. THEY MUST ALSO HAVE THE CITY SEAL.

SANITARY SEWERS CROSSING UTILITIES OTHER THAN WATER LINES SHALL HAVE A MINIMUM CLEARANCE OF SIX (6) INCHES.

WHERE A NEW POTABLE WATERLINE CROSSES A NEW, PRESSURE RATED WASTEWATER MAIN OR LATERAL, ONE SEGMENT OF THE WATERLINE PIPE SHALL BE CENTERED OVER AND SHALL BE PERPENDICULAR TO THE WASTEWATER LINE SUCH THAT THE JOINTS OF THE WATERLINE PIPE ARE EQUIDISTANT AND AT LEAST NINE FEET HORIZONTALLY FROM THE CENTERLINE OF THE WASTEWATER MAIN OR LATERAL. THE POTABLE WATERLINE SHALL BE AT LEAST TWO FEET ABOVE AN EXISTING, NON-PRESSURE RATED WASTEWATER MAIN OR LATERAL.

WHEN A SANITARY SEWER CROSSES A WATER LINE AND THE SEWER IS CONSTRUCTED OF CAST IRON, DUCTILE IRON OR PVC WITH A MINIMUM PRESSURE RATING OF 150 PSI; AN ABSOLUTE MINIMUM OF SIX (6) INCHES BETWEEN WASTEWATER PIPE AND JOINTS SHALL BE CONSTRUCTED WITH PIPE MATERIAL HAVING A MINIMUM PRESSURE RATING OF 150 PSI. AN ABSOLUTE MINIMUM OF SIX (6) INCHES BETWEEN WASTEWATER PIPE AND JOINTS SHALL BE CONSTRUCTED WITH PIPE MATERIAL HAVING A MINIMUM PRESSURE RATING OF 150 PSI. AN ABSOLUTE MINIMUM OF SIX (6) INCHES MUST BE MAINTAINED BETWEEN WASTEWATER PIPE AND JOINTS.

MINIMUM PRESSURE RATING OF 150 PSI. AN ABSOLUTE MINIMUM OF SIX (6) INCHES MUST BE MAINTAINED BETWEEN WASTEWATER PIPE AND JOINTS.
SANITARY SEWER SYSTEM CONSTRUCTION NOTES

1. FINISHED ELEVATION OF SANITARY SEWER PIPES SHALL BE Fixed on NOTES ABOVE TO the GRADE SIGNALS IN LOWER EMBANKMENTS. IF the EMBANKMENT IS located ALONG A PUBLIC STREET, THE FINISHED ELEVATION SHALL BE TOS (6) NOTES ABOVE THE TOP OF THE CURB. SEE NOTE 21 FOR MORE DETAILS. SANITARY SEWER LINE PIPES SHALL BE THE LIGHT GRAY SIGNALS.

2. GRAY PIPE UNDERSYDNEY SEWER LINES SHALL BE INSTALLED IN SEPARATE TRENCHES, PER ITEM EIGHT (8) BELOW.

3. ALL PROPOSED SANITARY SEWER LINES SHALL BE DUCTILE IRON OR PVC. PVC PIPE SHALL CONFORM TO ASTM D3034, SDR 26, ALLOWED TO SE 100 AND 150 PSI PRESSURE RATING PER ASTM SPECIFICATIONS. THE PRESSURE RATING FOR BOTH THE PIPE AND JOINTS OF 150 PSI. THE VERTICAL SEPARATION SHALL BE A MINIMUM OF TWO (2) FEET BETWEEN THE OUTSIDE DIAMETERS OF THE PIPE AND THE HORIZONTAL SEPARATION SHALL BE A MINIMUM OF FOUR (4) FEET EXCEPT THE OUTER SIZES OF THE PIPE. THE SANITARY SEWER LINE SHALL BE LOCATED BELOW THE WATER LINE.

4. WHEN THE SANITARY SEWER LINE IS CONSTRUCTED OF CAST IRON, DUCTILE IRON OR PVC WITH A PRESSURE RATING OF 150 PSI AND MINIMUM DIAMETERS BETWEEN THE OUTLET PIPE LINES SHALL BE MANUFACTURER'S AND IS INSTALLED, THE PIPES AND THAT ARE TO BE INSTALLED IN SEPARATE TRENCHES. THE SEWER PIPE LINE SHOULD BE CENTERED ON THE CROSSING AND BOTH ENDS SEALED WITH CEMENT GROUT OR WITH AN APPROVED MANUFACTURER SEAL.

5. FULL-Pipe, USE STAINLESS STEEL INTERIOR TANKING FOR POOL AND BASEMENT CONNECTIONS; CLAMPED PIPES W/ STAINLESS STEEL INTERIOR TANKING MATERIAL.

6. SANITARY SEWER LINES LOCATED IN ORIGINAL AREAS NOT SPECIFIED IN ITEMS 75 AND 51 TO BE INSTALLED IN SEPARATE TRENCHES, PER ITEM EIGHT (8) BELOW.

7. DUCTILE IRON SEWER LINES LOCATED IN ZONE X SHALL BE INSTALLED IN TRENCHES. WHEN NINE (9) FEET OF SEPARATION CANNOT BE MAINTAINED, THEN THE FOLLOWING GUIDELINES APPLY (AT ALL TIMES SEE SHEET 2, SANITARY SEWERS NOTES 22, 23 & 25 FOR MORE DETAIL.

8. WATER MAINS AND SANITARY SEWER LINES SHALL NOT BE EXPOSED TO THE GRAVITY LINE BEDDING AND BACKFILL.

9. PIPE 12" WET BEDDING LONGITUDINAL-SECTION.

10. DUCTILE IRON (GRAVITY) (MIN. 12" LAP)

11. FILTER FABRIC UNDER PAVEMENT.

12. CAST IRON 6" SANITARY 6" TRENCH WIDTH *

13. SANITARY SEWER MANHOLES FOR FORCE MAIN DISCHARGE

14. MANHOLE FRAME AND COVER

15. FOUNDATION PLAN

16. PROFILE VIEW

17. PLAN VIEW

18. CONCRETE PLAN AND PROFILE DRAWINGS.

19. ALL PRECAST CONCRETE MANHOLES SHALL HAVE THE TOP ADJUSTMENT CONSTRUCTED OF PRECAST PCC RINGS, SEALED WITH APPROVED MANUFACTURER SEAL.

20. CONSTRUCTION SHALL BE RESPONSIBLE FOR VERIFYING LOCATION OF ALL EXISTING UTILITIES PRIOR TO EXCAVATION. DURING THE COURSE OF ANY AND ALL CLEARING, GRADING, TILLING, LANDSCAPING OR OTHER CONSTRUCTION, CONSTRUCTION SHALL TAKE STEPS TO ENSURE THAT SANITARY SEWER LINES AND WATER LINES ARE NOT EXPOSED OR DAMAGED. CONSTRUCTION WILL BE RESPONSIBLE FOR VERIFYING LOCATION OF EXISTING UTILITIES PRIOR TO EXCAVATION.
DUCTILE IRON, OR PVC WATER LINE A/C, CAST IRON, AND OTHER MATERIALS AS SHOWN IN SHEET 2 OF WATER DISTRIBUTION STANDARD DETAILS.

1. MINIMUM WALL THICKNESS
   - 3.000" for PVC PIPE
   - 3.280" for STEEL PIPE

2.鋼 PIPE OFFSET SECTION
   - 12" MINIMUM
   - 8" MAXIMUM
   - 4' MAXIMUM OFFSET DEPTH
   - 2' MINIMUM TYPICAL STEEL SECTION FITTINGS
     - Ø10" SLIP-ON FLANGES 150#
     - Ø8" BELL-FLANGE ADAPTERS

3. THRUST BLOCK
   - SUPPORT VALVE TO BE INSTALLED PER NOTES AND CASING TABLE
   - ALL THREAD TEE FITTING ANCHORS
   - 5' MINIMUM WATER MAIN DEPTH
   - 10' MAX. SPRING LINE

4. FIRE HYDRANT ASSEMBLY
   - TYPICAL BELL/FLANGE TAIL PIECE
   - 14" GALVANIZED PIPE 90° ELBOW
   - 12" WATER MAIN BLOW-OFF VALVE ASSEMBLY
   - 4' MAXIMUM FOR A LINE TO PASS OVER AN OBSTRUCTION, RATHER THAN OFFSET DEPTH

5. SUPPORT VALVE TO BE SHOP TAPPED TYLER PLUG (5-150)

6. CONTRACTOR TO TAKE INTO CONSIDERATION THE SIZE AND LIMITS OF PIPE RESTRAINTS WHEN ORDER AND INSTALLING CASING PIPE TO ALLOW SPACERS TO BE PLACED A MIN OF 1' BACK FROM EACH JOINT THAT FALLS WITHIN CASING, A GREATER SET BACK MAY BE REQUIRED FOR LARGER SPACERS FOR CARRIER PIPE SHALL BE ADVANCE PRODUCTS AND SYSTEMS, INC., STAINLESS STEEL, NEOPRENE OR APPROVED EQUAL AND SHALL BE INSTALLED PER NOTES AND CASING TABLE

7. WHEN INSTALLING GRAVITY PIPE WITH CASING CONTRACTOR SHALL TAKE INTO CONSIDERATION PIPE GRADE SO THAT THE SEWER PIPE MAINTAINS THE PROPER FALL.
CLASS "B" CONCRETE WILL BE USED IN MANHOLE FRAME AND COVER CAST IN PLACE, ORIENT MANHOLE 12" AV-200 ONE COMPONENT SEALANT APPROVED EQUAL W/2" SCH 80 SEAL AROUND PIPE WITH AVANTI SEAL WITH MANHOLE SEALANT (SEE AIR VALVE, 3/8" ORIFICE OR APPROVED EQUAL PROPOSED WATER LINE EXISTING OR NOTE 1) AV-200 ONE COMPONENT SEALANT ON PLANS.  ALSO SEE NOTE 9 C-900, C-905 OR D.I. PIPE AS APPROVED SEAL AROUND PIPE WITH AVANTI VALVE DEPTH OF COVER EQUAL TO THE SEE NOTES 5 THROUGH 7 2" UNION N.P.T. 2" TAP SADDLE PER COM SPECS AND DETAILS BRASS NIPPLES OPTIONAL VENT PIPE ROUTE STABILIZED SUBGRADE (SEE NOTES 6) REFLECTORIZED TAPE ON BOLLARD, PAINT PROVIDE 2-2" WIDE STRIPS OF INSECT SCREEN #16 MESH #316 STAINLESS STEEL W/INSULATING GASKET 2" PVC SLEEVE FOR LONG LEADS REQUIRED OMIT ON 6" LINES MJ X PE REDUCER SIZED AS FIRE HYDRANT AND REDUCER WILL BE REMOVED AT TIME OF FUTURE EXPANSION OF WATER MAIN SYSTEM. OIL SHALL BE PLACED IN HYDRANT AT THE TIME OF INSTALLATION. SYSTEM. VALVE AND BOX TO BE PERMANENT STRUCTURES TO WATER MAIN 4" UNLESS OTHERWISE NOTED. STANDS 2" PVC SLEEVE W/ FLANGES MEGA-LUG CUSTOMER'S SERVICE LINE FROM ROW LINE 3'-0" FROM BACK OF CURB *HEIGHT AND WIDTH TO MEET FIELD CONDITIONS. PLACED AGAINST UNDISTURBED SOIL. VARIES* 1'-6" 3 CU FT OF GRAVEL PLACED AROUND WEEP HOLE 3" MIN REQUIRED OMIT ON 6" LINES MJ X PE REDUCER SIZED AS 4" UNLESS OTHERWISE NOTED. STANDS 2" PVC SLEEVE W/ FLANGES MEGA-LUG CUSTOMER'S SERVICE LINE FROM PROPERTY LINE 3'-0" 3'-0" STANDARD DETAILS 2 WATER DISTRIBUTION STANDARD DETAILS 2
FIBER ROLL 4" STEP 2: 10 MIL POLYETHYLENE LINING STEP 4:  

1. FILTER FABRIC SHALL EXTEND INTO THE FOUR (4) INCH BY FOUR (4) INCH TRENCH DOWN THE SIDE CLOSEST TO THE WOODEN POSTS, ACROSS THE BOTTOM OF THE TRENCH. FILTER FABRIC FENCE AND A MAXIMUM OF THREE (3) FEET APART FOR NON-REINFORCED FILTER FABRIC FENCE.

METAL STAKES OR T-POSTS MAY BE USED IN LIEU OF WOOD POSTS.

FILTER FABRIC FENCE AND EXTEND IT INTO TRENCH (SEE NOTE 1).

FILTER FABRIC SHALL SECURELY FASTENED TO WOVEN WIRE FENCE WITH TIES SPACED EVERY TWENTY-FOUR (24) INCHES AT TOP AND MIDSECTION.

INLET PROTECTION BARRIER TYPE II

INLET PROTECTION BARRIER TYPE I

INLET PROTECTION BARRIER TYPE III

FILTER FABRIC SILT FENCE

REINFORCED FILTER FABRIC BARRIER

SANDBAG

INLET PROTECTION TYPE I

INLET PROTECTION TYPE II

INLET PROTECTION TYPE III

CONCRETE WASHOUT AREA - ABOVE GROUND

CONCRETE WASHOUT AREA - BELOW GROUND

FOUNDATION COURSE SHALL BE A MINIMUM OF SIX (6) INCHES. FOUNDATION COURSE MATERIAL SHALL BE FLEXIBLE BASE, BITUMINOUS CONCRETE, PORTLAND CEMENT CONCRETE, OR CONCRETE PAVING BASE. THE TREATED TIMBER PLANKS SHALL BE ATTACHED TO THE RAILROAD TIES WITH 6" BLACK LETTERS (2 PER BALE) STAPLES.

STABILIZED CONSTRUCTION EXIT

STABILIZED CONSTRUCTION ACCESS 02020 - STABILIZED CONSTRUCTION ACCESS, ROADS, PARKING AND WASH AREAS.

CONSTRUCTION ACCESS SHALL ADHERE TO CITY OF MANVEL SPECIFICATION 02020 - STABILIZED CONSTRUCTION ACCESS, ROADS, PARKING AND WASH AREAS. STABILIZED CONSTRUCTION ACCESS SHALL BE MAINTAINED FREE OF SEDIMENT FOR THE DURATION OF THE PROJECT.

STABILIZED AREA MAY BE WIDENED OR LENGTHENED TO ACCOMMODATE TRUCK STABILITY FOR OTHER AREAS SHALL HAVE THE SAME AGGREGATE THICKNESS THAN FIFTY (50) FEET.

APPROVED BY THE ENGINEER AND APPROVED BY THE CITY OF MANVEL.

NOTE 2).

NOTE 3).

NOTE 4).

NOTE 5).

NOTE 6).

NOTE 7).

NOTE 8).

NOTE 9).

NOTE 10).

SANDBAGS SHAL BE TWENTY-FOUR (24) INCHES FROM INLET.

SANDBAGS SHALL BE MAINTAINED FREE OF SEDIMENT FOR THE DURATION OF THE PROJECT.

OTHER FASTENERS MAY BE USED AS APPROVED BY THE ENGINEER AND APPROVED BY THE CITY OF MANVEL.

IF UNDERLYING MATERIAL IS BASE OR OTHER BASEMENT MATERIAL, A MAXIMUM OF TEN (10) FEET OF SANDBAGS SHAL BE PROVIDED.

ADDITIONAL POSTS MAY BE ADDED AS NEEDED. POSTS SHALL BE TWENTY-FOUR (24) INCHES FROM INLET.

SANDBAGS SHAL BE TWENTY-FOUR (24) INCHES FROM INLET.

FILTER FABRIC SHALL SECURELY FASTENED TO WOVEN WIRE FENCE WITH TIES SPACED EVERY TWENTY-FOUR (24) INCHES AT TOP AND MIDSECTION.

V-BOTTOM DITCH PROFILE

FLAT BOTTOM DITCH PROFILE
1. USE MATERIAL AND DIMENSION AS SPECIFIED IN STORM SEWER DETAILS FOR TRENCH PAVING DETAILS.

2. EXPANSION JOINT ON CONCRETE STREETS SHALL BE NOMINAL REDWOOD OR ASPHALTIC CONCRETE WITH EDGE OF PAVEMENT. A 8" DEEP BY 12" WIDE BEAM SHALL BE PLACED

3. AT CONTRACTOR'S EXPENSE.

4. SEALED EXPANSION JOINT (REQUIRED)

5. ASPHALT SEALED EXPANSION JOINT

6. EXISTING NUMBER 4 REBAR, 16" O.C. E.W.

7. TRENCH WITH 15" LAPS (TYP.)

8. #3 STIRUPS

9. 6" X 6" - 6 GA. W.W.M. (MIN.)

10. #4 REBAR @ 16" O.C. E.W.

11. 2 QTY. 4'-0"

12. 12" MIN., 18'-0" MAX.

13. 3'-0" MIN.

14. 8" MIN.

15. 2" X 4" X 6"

16. " PLYWOOD

17. 2" X 8" NAILED SIDE VIEW

18. "O.D., 16 GAUGE GALVANIZE 120 CPOZ STEEL POST G90, TEN (10) FEET LONG.

19. 1" X 6" X 6" CLEAT

20. "2" X 8" MIN.

21. "6" X 6" - 6 GA. W.W.M. (MIN.)

22. "2" X 4" X 6"

23. PROPOSED DRIVEWAY USE ORANGE AND WHITE REFLECTORIZED STRIPES DURING DAMAGE TO EXISTING STREETS, WHETHER ASPHALT OR CONCRETE, SHALL BE REPAIRED MOUNTABLE CURB.

24. CONCRETE PAVEMENT HEADERS SHALL BE BUILT IN ACCORDANCE WITH CITY OF MANVEL AT CONTRACTOR’S EXPENSE.

25. STAND 2'-0" MIN., 18'-0" MAX.

26. 3'-0" MIN.

27. "6" X 6" - 6 GA. W.W.M. (MIN.)

28. "2" X 4" X 6"

29. "6" X 6" - 6 GA. W.W.M. (MIN.)

30. "2" X 4" X 6"

31. "6" X 6" - 6 GA. W.W.M. (MIN.)

32. "2" X 4" X 6"

33. "6" X 6" - 6 GA. W.W.M. (MIN.)

34. "2" X 4" X 6"

35. "6" X 6" - 6 GA. W.W.M. (MIN.)

36. "2" X 4" X 6"

37. "6" X 6" - 6 GA. W.W.M. (MIN.)

38. "2" X 4" X 6"

39. "6" X 6" - 6 GA. W.W.M. (MIN.)

40. "2" X 4" X 6"

41. "6" X 6" - 6 GA. W.W.M. (MIN.)

42. "2" X 4" X 6"

43. "6" X 6" - 6 GA. W.W.M. (MIN.)

44. "2" X 4" X 6"

45. "6" X 6" - 6 GA. W.W.M. (MIN.)

46. "2" X 4" X 6"

47. "6" X 6" - 6 GA. W.W.M. (MIN.)

48. "2" X 4" X 6"

49. "6" X 6" - 6 GA. W.W.M. (MIN.)

50. "2" X 4" X 6"

51. "6" X 6" - 6 GA. W.W.M. (MIN.)

52. "2" X 4" X 6"

53. "6" X 6" - 6 GA. W.W.M. (MIN.)

54. "2" X 4" X 6"

55. "6" X 6" - 6 GA. W.W.M. (MIN.)

56. "2" X 4" X 6"

57. "6" X 6" - 6 GA. W.W.M. (MIN.)

58. "2" X 4" X 6"

59. "6" X 6" - 6 GA. W.W.M. (MIN.)

60. "2" X 4" X 6"

61. "6" X 6" - 6 GA. W.W.M. (MIN.)

62. "2" X 4" X 6"

63. "6" X 6" - 6 GA. W.W.M. (MIN.)

64. "2" X 4" X 6"

65. "6" X 6" - 6 GA. W.W.M. (MIN.)

66. "2" X 4" X 6"

67. "6" X 6" - 6 GA. W.W.M. (MIN.)

68. "2" X 4" X 6"

69. "6" X 6" - 6 GA. W.W.M. (MIN.)

70. "2" X 4" X 6"

71. "6" X 6" - 6 GA. W.W.M. (MIN.)

72. "2" X 4" X 6"

73. "6" X 6" - 6 GA. W.W.M. (MIN.)

74. "2" X 4" X 6"