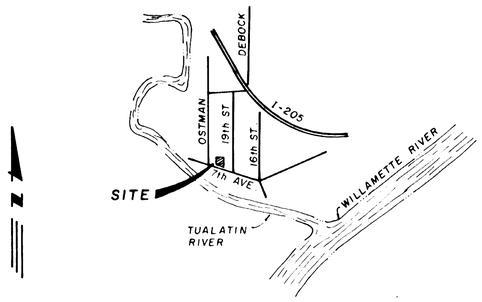
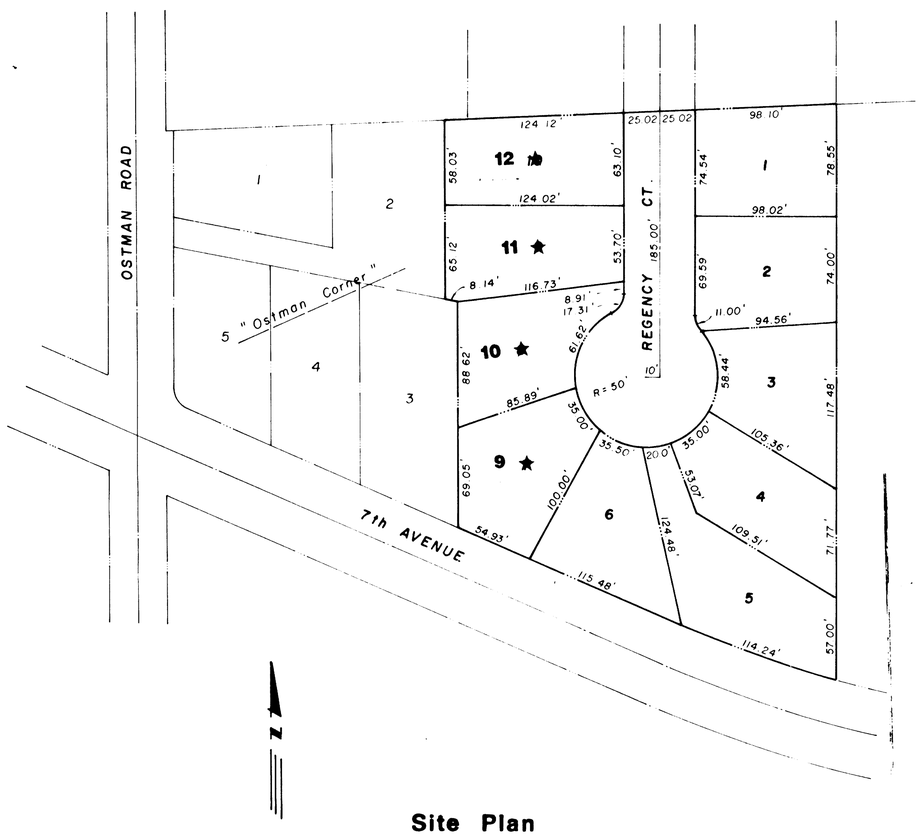


Vicinity Map

1" = 1/2 mile



Site Plan

1" = 50'

SITE IMPROVEMENTS

For

TUALATIN CREST

OWNER - DEVELOPER : James R. Powell

820 BOCA RATAN DRIVE

LAKE OSWEGO, OREGON 97034

PHONE (503) 636-0354

ENGINEER : Technical Engineering Corporation

8835 SW CANYON LANE No. 405

PORTLAND, OREGON 97225

PHONE (503) 297-3721

CONSTRUCTION NOTES

A. GENERAL

1. ALL IMPROVEMENTS SHALL BE CONSTRUCTED AS PER THE CITY OF WEST LINN STANDARDS AND APPLICABLE SECTIONS OF THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" OF THE OREGON CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION, 1980 EDITION.
2. THE CONTRACTOR SHALL DO ALL THE WORK SHOWN ON THE PLANS AND ALL INCIDENTAL WORK CONSIDERED NECESSARY TO COMPLETE THE JOB IN AN ACCEPTABLE MANNER.
3. THE CONTRACTOR AND/OR SUBCONTRACTORS SHALL HAVE A MINIMUM OF ONE (1) SET OF APPROVED CONSTRUCTION PLANS ON THE JOB SITE AT ALL TIMES DURING THE CONSTRUCTION PHASES.

B. STREET CONSTRUCTION

1. ALL TREES, BRUSH AND DEBRIS WITHIN LIMITS OF RIGHT OF WAY SHALL BE REMOVED AND DISPOSED OF OFF-SITE BY THE CONTRACTOR.
2. ALL AREAS OF CONSTRUCTION SHALL BE STRIPPED. STRIPPING SHALL CONSIST OF REMOVING THE TOPSOIL HUMUS. STRIPPED MATERIALS SHALL BE DISPOSED OF ON SITE IN AREAS DESIGNATED BY THE ENGINEER.
3. EMBANKMENTS SHALL BE CONSTRUCTED FROM EXCAVATED MATERIAL ACCEPTABLE TO THE ENGINEER AND SHALL BE BROUGHT TO GRADE IN LIFTS NOT TO EXCEED 8" LOOSE MEASURE. EACH LIFT SHALL BE COMPACTED TO 95 PERCENT OF MAXIMUM DENSITY AS OBTAINED BY AASHO T-99 COMPACTION TESTS.
4. STREET BASE, ASPHALTIC CONCRETE PAVEMENT, CURB AND GUTTER SHALL BE AS SHOWN ON THE DETAIL SHEET AND AS OUTLINED IN THE ABOVE MENTIONED SPECIFICATIONS.

C. STORM SEWERS

1. STORM SEWER PIPE SHALL BE OF THE SIZE NOTED ON THE PLANS. PIPE SHALL BE TONGUE AND GROOVE CONCRETE PIPE AND SHALL CONFORM TO ASTM C-14 SPECIFICATION FOR EXTRA STRENGTH CONCRETE PIPE, EXCEPT AS NOTED. CATCH BASINS SHALL BE OF THE TYPE SHOWN ON THE DETAIL SHEET.
2. INSTALLATION OF THE STORM SEWER SHALL BE DONE ACCORDING TO STANDARD PRACTICES. ALL BACKFILL WITHIN THE PUBLIC RIGHT OF WAY SHALL BE 3/4"-0 COMPACTED CRUSHED ROCK.

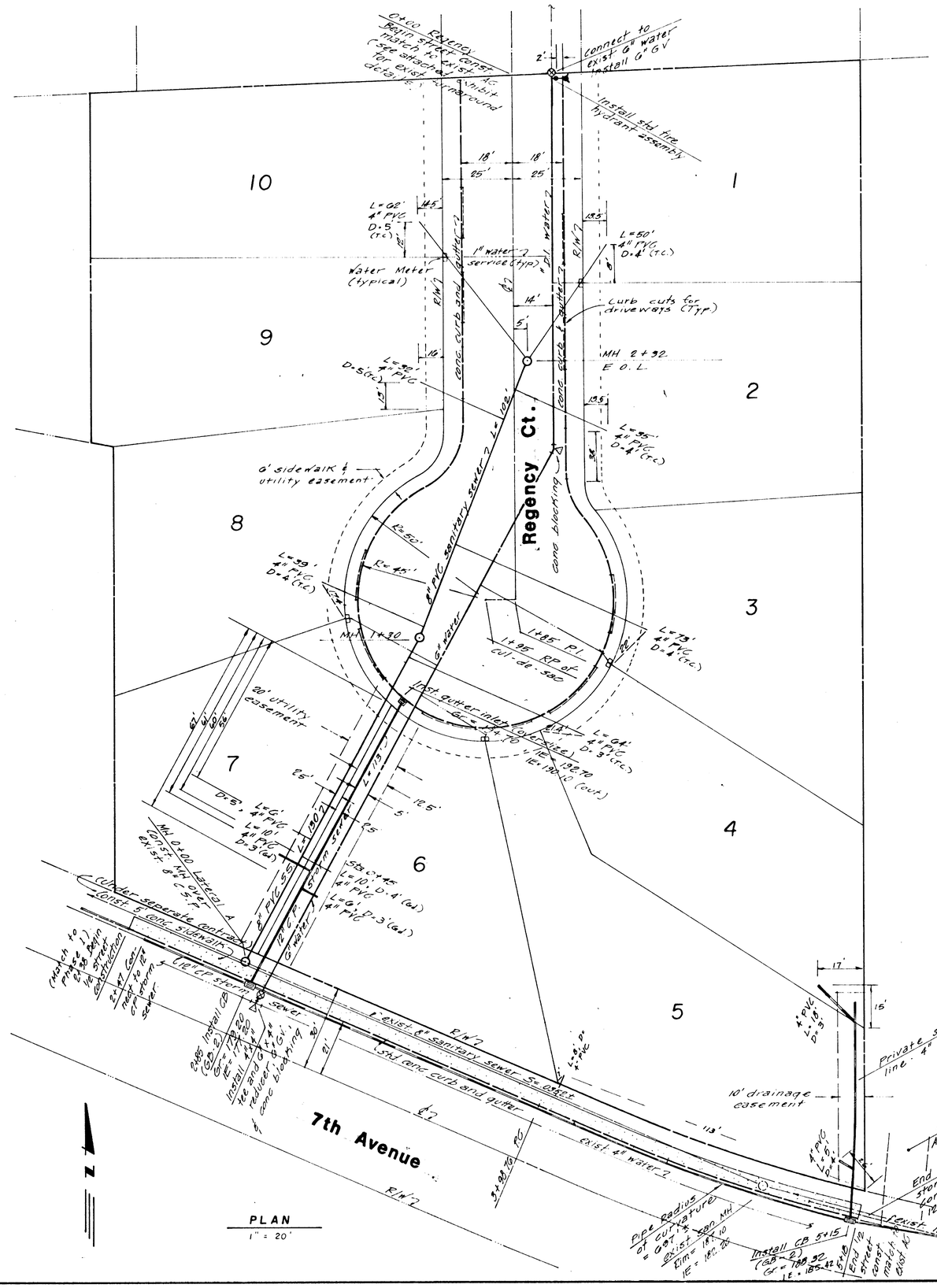
D. SANITARY SEWER

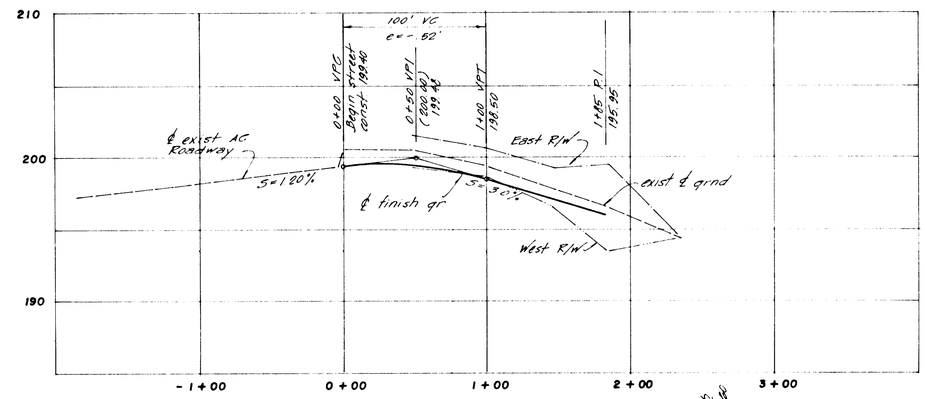
1. SANITARY SEWER PIPE SHALL BE OF THE SIZE NOTED ON THE PLANS. PIPE SHALL BE PLASTIC SEWER PIPE AND SHALL CONFORM TO ASTM D-3034.
2. INSTALLATION OF THE SANITARY SEWER PIPE AND CONSTRUCTION OF MANHOLES SHALL BE DONE ACCORDING TO STANDARD PRACTICES. ALL BACKFILL IN PUBLIC RIGHT-OF-WAY SHALL BE GRANULAR MATERIAL (SELECT).
3. AFTER STREET CONSTRUCTION, BUT PRIOR TO PAVING, SANITARY SEWER SHALL BE AIR PRESSURE TESTED.

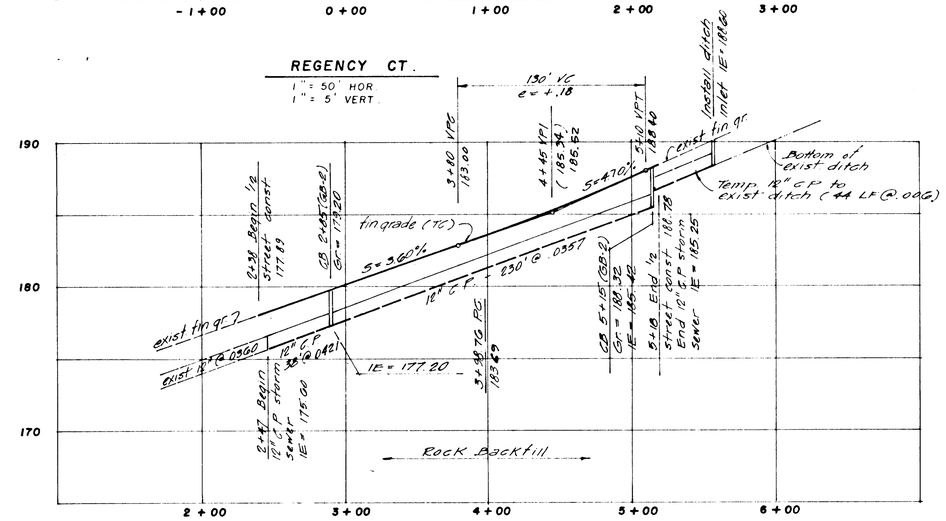
E. WATER SYSTEM

1. ALL WATER PIPE SHALL BE DUCTILE CAST IRON CLASS 52, WITH PUSH-ON JOINTS. ALL FITTINGS SHALL BE MECHANICAL JOINT CONFORMING TO ANSI A-21.11. ALL FITTINGS SHALL BE CLASS 250. HYDRANTS SHALL CONFORM TO AWWA C-502 AND SHALL BE APPROVED BY THE CITY OF WEST LINN.
2. ALL PIPE SHALL HAVE A MINIMUM OF 36" COVER MEASURED AT FINISH GRADE. ALL TEES, BENDS, ELBOWS AND CHANGES IN DIRECTION OF 11¼ DEGREES OR GREATER SHALL BE SECURELY BLOCKED USING 3,000 PSI CONCRETE POURED AGAINST UNDISTURBED GROUND AS SHOWN ON THE DETAIL SHEET.
3. ALL BACKFILL IN PUBLIC RIGHT-OF-WAY SHALL BE APPROVED GRANULAR MATERIAL.
4. UPON COMPLETION OF INSTALLATION OF THE WATER SYSTEM, ALL LINES SHALL BE TESTED, FLUSHED AND DISINFECTED IN CONFORMANCE WITH HEALTH DIVISION GUIDELINES.
5. USE SINGLE STRAP SERVICE SADDLES ON ALL WATER SERVICES.

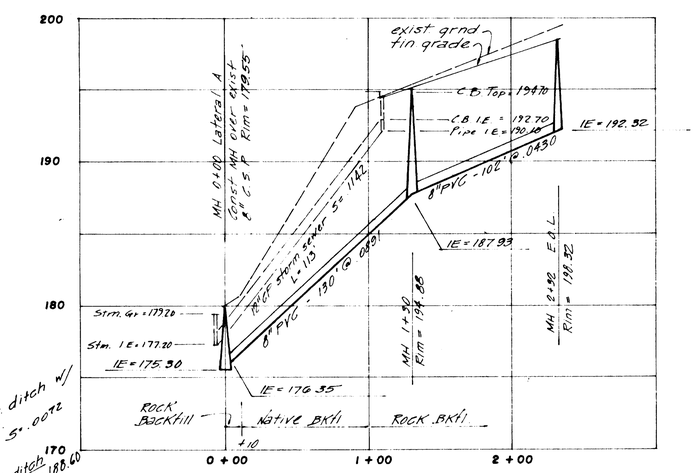
As-Built 10-88







7th AVENUE and STORM SEWER
1" = 50' HOR
1" = 5' VERT



LATERAL "A" : San. Sewer
1" = 50' HOR
1" = 5' VERT.

1	10 88	JDJ	"As Built"

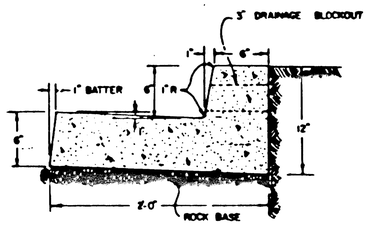
TECHNICAL ENGINEERING CORP.
8835 S.W. CANYON LANE
SUITE 405
PORTLAND, OREGON 97225
(503) 297-3721

CLIENT: JAMES R. POWELL
Lake Oswego Oregon

PROJECT: TUALATIN CREST
West Linn Oregon

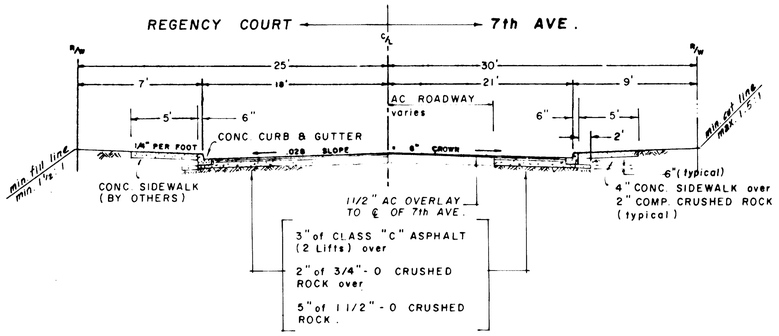
DRAWING TITLE: STREET and UTILITY PLAN
Street & Utility Profiles

DRAWN BY JDJ
CHECKED BY TLA
SCALE AS SHOWN
OCT, 87 | 87-340A
SHEET 2 OF 3

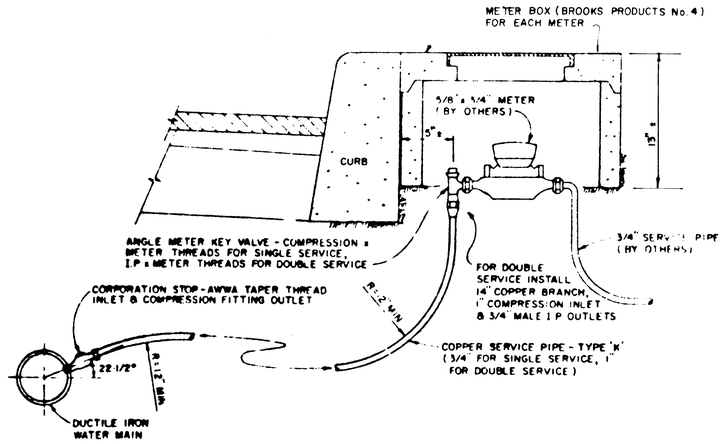


1. CONCRETE TO HAVE A BREAKING STRENGTH OF 3000 P.S.I. AFTER 28 DAYS.
2. EXPANSION JOINTS
   A. TO BE PROVIDED AT EACH POINT OF TANGENCY OF THE CURB
      1.) AT EACH COLD JOINT
      2.) ON EACH SIDE OF INLETS
      3.) AT EACH END OF DRIVEWAYS

CURB & GUTTER DETAILS

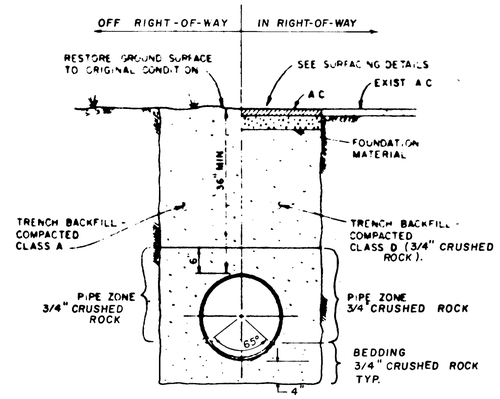


TYPICAL STREET SECTIONS



Typical Water Service Connection

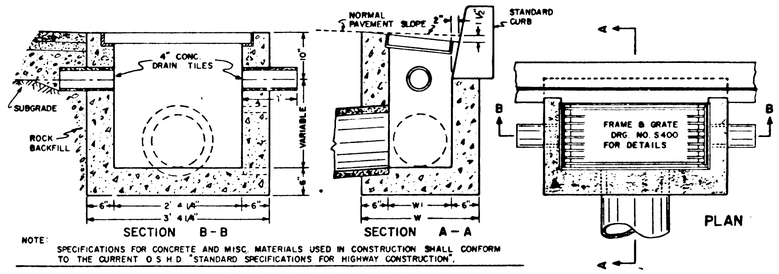
N.T.S.



Typical Trench Section

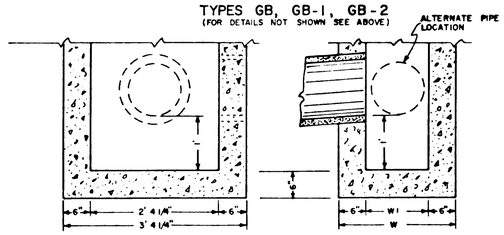
N.T.S.

TYPES G, G-1, G-2

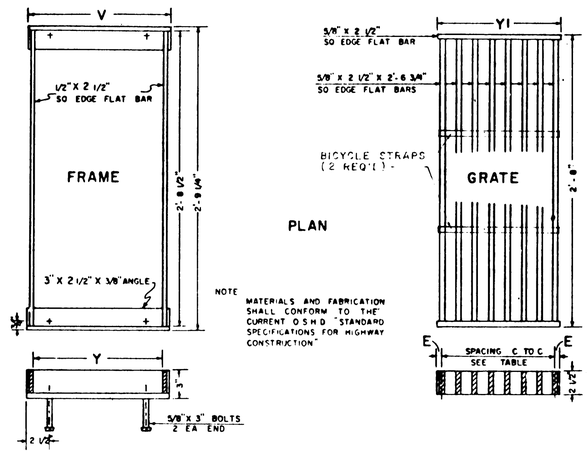


NOTE: SPECIFICATIONS FOR CONCRETE AND MISC. MATERIALS USED IN CONSTRUCTION SHALL CONFORM TO THE CURRENT O.S.H.D. "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION".

TYPES GB, GB-1, GB-2
(FOR DETAILS NOT SHOWN SEE ABOVE)

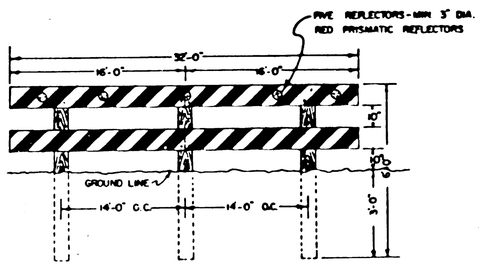


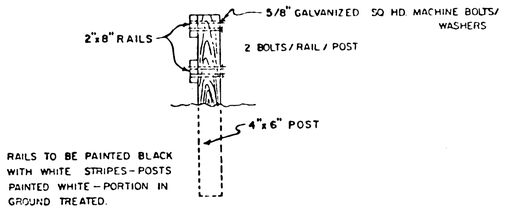
INLET TYPE	W	W1
G, GB	2' 1 7/8"	1' 1 7/8"
G-1, GB-1	2' 8 7/8"	1' 8 7/8"
G-2, GB-2	3' 3 3/8"	2' 3 3/8"



NOTE: MATERIALS AND FABRICATION SHALL CONFORM TO THE CURRENT O.S.H.D. "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION".

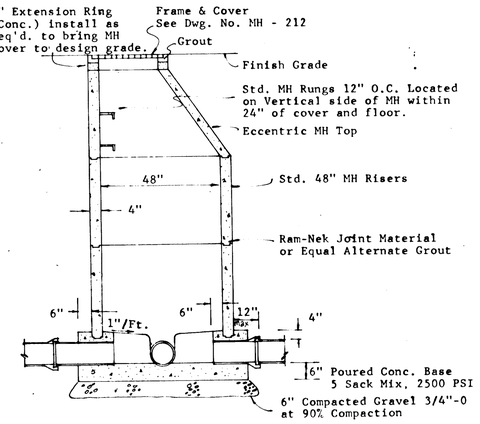
STANDARD CATCH BASIN DETAILS





RAILS TO BE PAINTED BLACK WITH WHITE STRIPES - POSTS PAINTED WHITE - PORTION IN GROUND TREATED.

STANDARD STREET BARRICADE



TYPICAL MANHOLE

1	10-88	TLM	"As-Built"

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CLIENT: JAMES R. POWELL
Lake Oswego Oregon

PROJECT: TUALATIN CREST
West Linn Oregon

DRAWING TITLE: STANDARD DETAILS

DRAWN BY: JDJ
CHECKED BY: TLA
SCALE: NO SCALE
OCT., 87 | 87-340A
SHEET 3 OF 3