

CONSTRUCTION PLANS FOR:

OAK PARK, PHASE I

Street, Drainage, Major Utilities

City Of Ridgeland Madison County, Mississippi

OFFICE COPY

PLANS REVIEW

Public Works Director *J.D. SV*

Building Official *9-3-98 See notes*

Traffic Engineer *DW 9-1-98 SEE NOTES*

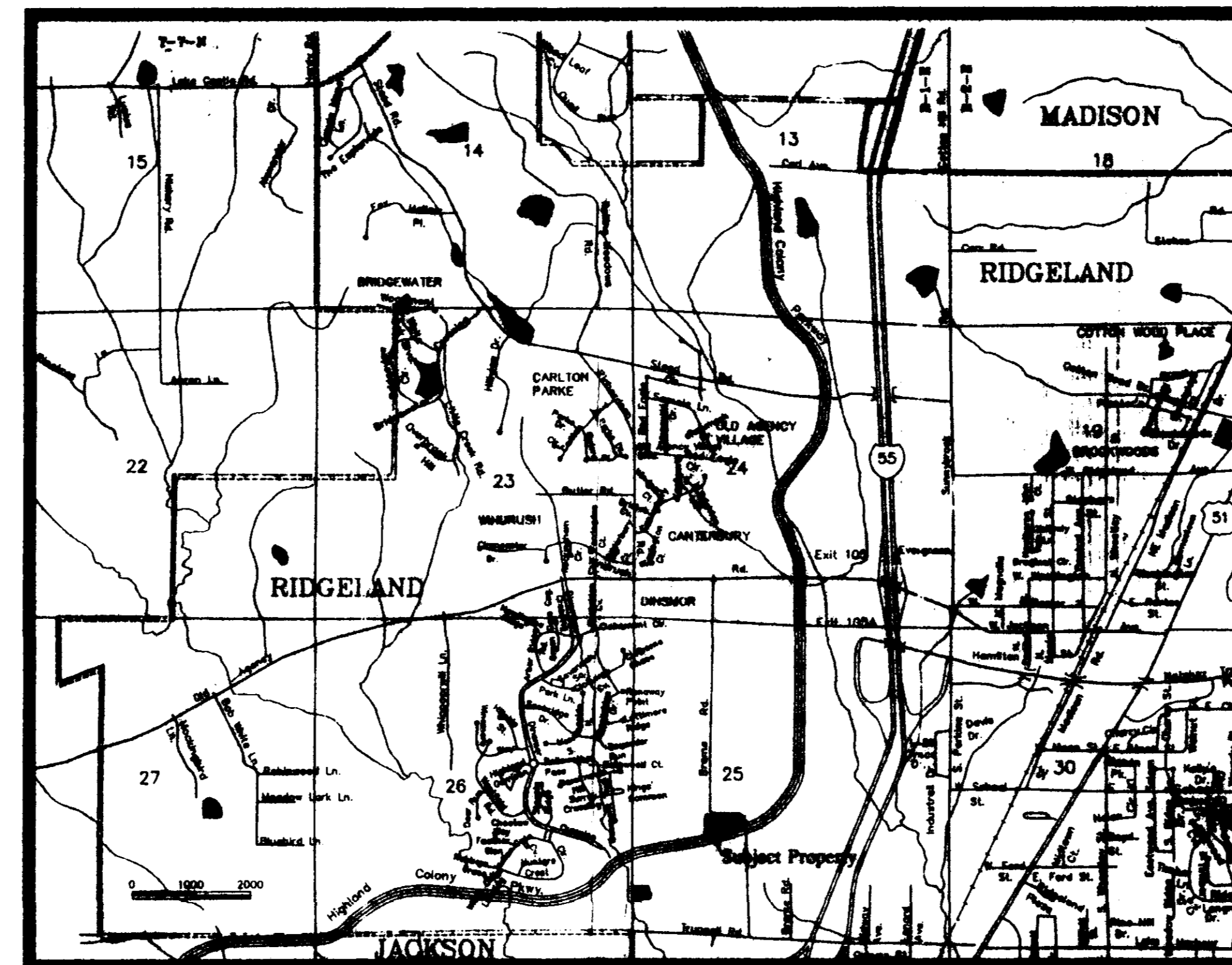
Drainage Engineer *PSH 9-1-98 No comments*

Fire Official *B.H. 9-1-98*

Site plans will not go forward to the Architectural Review Board or the Mayor and Board of Aldermen prior to the above review.

RECEIVED

PUBLIC WORKS DEPT.



Index:

DESCRIPTION	SHEET NO.
COVER, INDEX	1
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DEVELOPER:
JAMES L. PETTIS, III
 2026 SILVER LANE
 MADISON, MS 39110

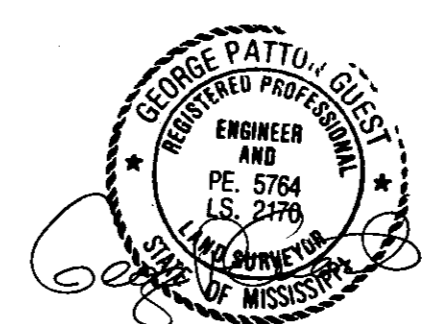
GC **GUEST CONSULTANTS, INC.**
 CONSULTING ENGINEERS & LAND SURVEYORS
 TWENTY SIX EASTGATE DRIVE • P.O. BOX 1225 • BRANDON, MS 39043
 TELEPHONE (601) 825-8341

AUGUST, 1998

PWP 1518

Technical specifications for street and storm sewer construction for this project shall be the Construction details (Technical Specifications) of the Mississippi Standard Specifications for State Aid Road and Bridge Construction, Latest Edition.

Equipment, Materials and Construction of Water Distribution System and Sanitary Sewer System shall conform to "UTILITY AND STREET CONSTRUCTION FOR OAK PARK, PHASE I" A Separate Bound set of specifications by GUEST CONSULTANTS, INC.



If during construction the Engineer finds it necessary to change the lines, dimensions, thickness, grades, slopes, sections or quantities or if such changes are ordered for any other reason, the final quantities will be recomputed based on the plan changes, as a result of authorized changes.

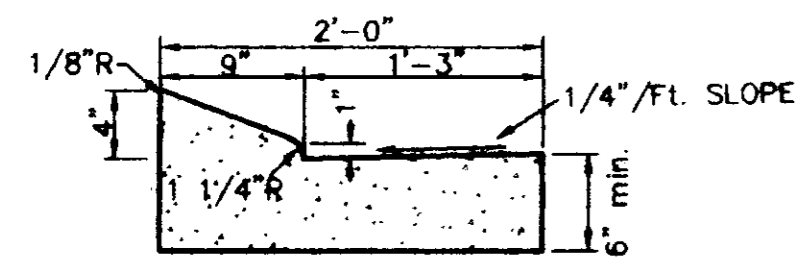
SUMMARY OF QUANTITIES

WATER:	
8" PVC Water Line, (C900)	710.0 L.F.
3/4" Service Line	20.0 L.F.
1" Service Line	108.0 L.F.
2" Service Line	56.0 L.F.
8" x 8" Tee	2.0 Ea.
8" Gate Valve	3.0 Ea.
Service Connection Assembly	4.0 Ea.
Fire Hydrant Assembly	2.0 Ea.
2" Blow Off Assembly	1.0 Ea.
90° Elbow	1.0 Ea.
SANITARY SEWER:	
8" Sewer Line	380.0 L.F.
6" Sanitary Sewer Service Line	314.0 L.F.
Manholes (6'-8')	2.0 Ea.
Sewer Service Connection Assembly	4.0 Ea.
STORM SEWER:	
Grate Inlets	4.0 Ea.
Curb Inlets	10.0 Ea.
15" Nyoplast Plastic Drain Basin	1.0 Ea.
15" Reinforced Concrete Pipe	64.0 L.F.
24" Reinforced Concrete Pipe	10.0 L.F.
15" Corrugated Plastic Pipe	355.0 L.F.
18" Corrugated Plastic Pipe	65.0 L.F.
24" Corrugated Plastic Pipe	230.0 L.F.
30" Corrugated Plastic Pipe	100.0 L.F.
36" x 23" Reinforced Conc. Arch Pipe	152.0 L.F.
PAVING:	
Mountable Comb. Curb & Gutter	1,340.0 L.F.
Standard Curb & Gutter	665.0 L.F.
Hot Bituminous Pavement Surface Course	172.0 Ton
Plant Mix Bituminous Base Course	688.0 Ton
Unclassified Excavation	7,452.0 C.Y.
Excess Excavation	2,487.0 C.Y.
Flowable Fill	38.0 C.Y.
Clearing	Lump Sum
Seeding	Lump Sum
Erosion Control	Lump Sum

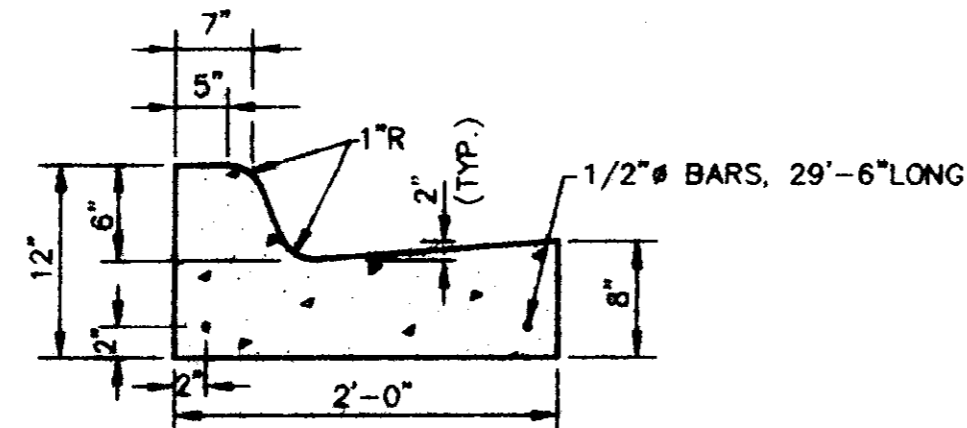
Note:
Any Items Not Specifically Listed Above But Required For The Completion Of Work Shall Be Included In The Price Of Other Items.

GENERAL NOTES:

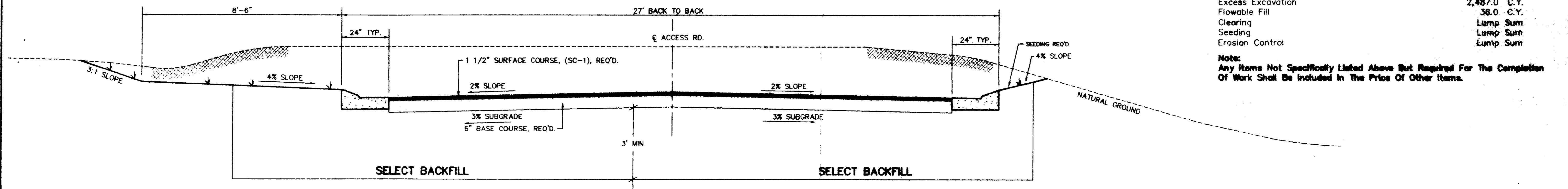
- All unclassified excavation shall be placed evenly on adjoining property as directed by the Engineer. All material shall be properly processed and spread in maximum of 6" to 8" lifts and compacted to 95% Standard Proctor Density.
- Prior to placement of asphalt base, density tests shall be performed by a licensed soil laboratory at the contractor's expense.
- The street subgrade shall be excavated Three (3) feet below subgrade and backfilled with a suitable non-expansive sand clay material approved by the Engineer.
- Underground improvements shown in these plans are determined from subgrade evidence and maps obtained from various entities. No excavation was performed. Users of these plans should satisfy themselves as to whether the information shown hereon is correct and complete. Connections to existing City Water and Sewer lines shall be coordinated with the City of Ridgeland Public Works Director.
- Elevations are based on M.S.L. datum.
- Manhole Tops and Valve Covers to be adjusted on job site as necessary to match finished grade.
- Undercutting of existing material and backfilling with select borrow will be required.
- Stop sign, Stop Bar, & Striping not a Separate Pay Item. Cost to be Absorbed in Other Items.
- Contractor shall comply with the requirements of the City of Ridgeland permit and the DEQ Storm Water Pollution Plan.
- Unclassified excavation consisting of silty clays (CL) and clayey silts (ML) may be used as select backfill if the liquid limit is less than 45 and the plasticity index is in the range of 10 to 14.
- All excess excavation should be disposed of off site.
- All undercut shall extend to three feet beyond back of curb.



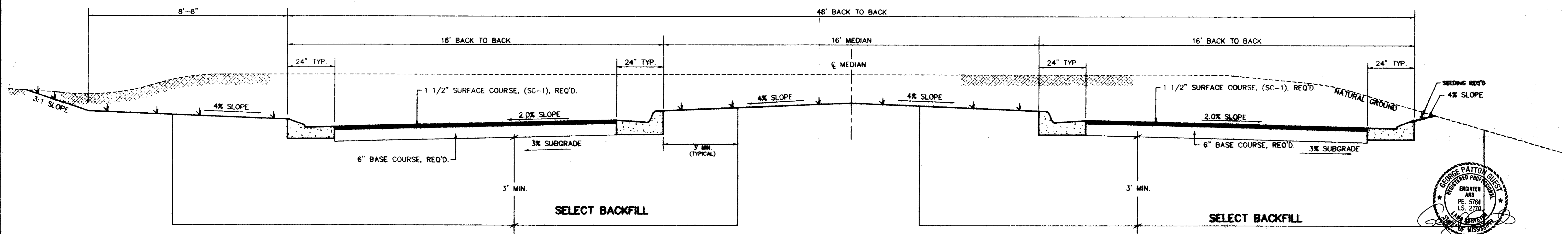
MOUNTABLE COMB. CURB & GUTTER
N.T.S.



STANDARD CURB AND GUTTER
N.T.S.



TYPICAL ACCESS STREET SECTION



TYPICAL BOULEVARD SECTION



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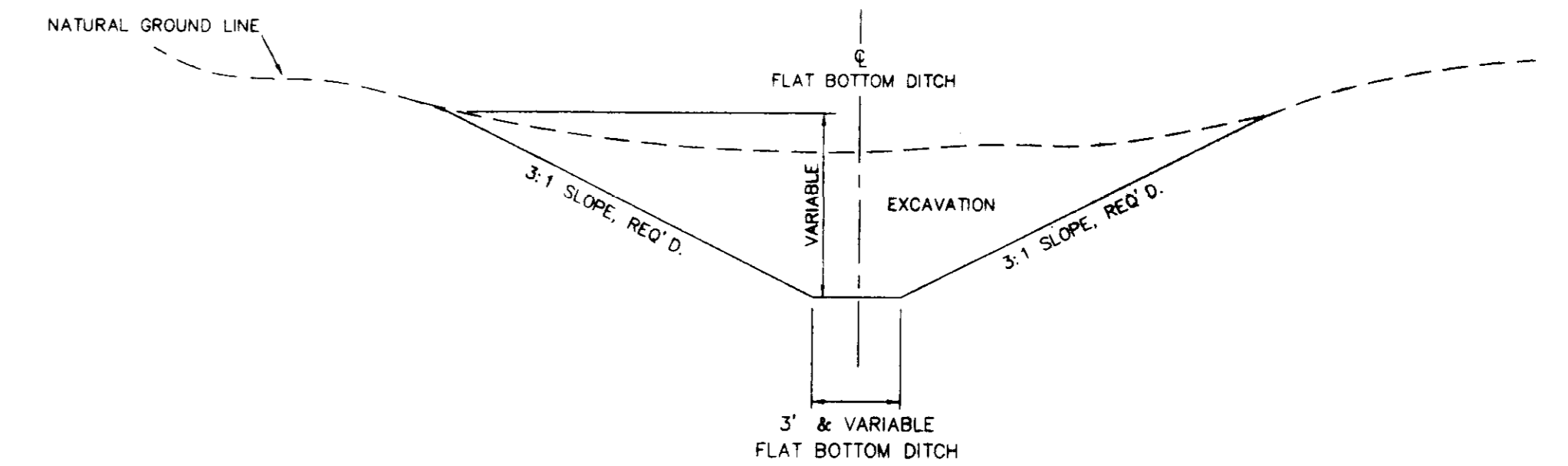
DRAWN BY: MIKE LOVE DATE: 8-14-98 DWG. NO.: 1566TYP	APPROVED BY: PAT QUEST PROJ. NO.: 0-1566	REVISIONS:	Quest Consultants, Inc. CONSULTING ENGINEERS & LAND SURVEYORS TWENTY SIX EASTGATE DRIVE • P.O. BOX 1225 • BRANDON, MS 39043 TELEPHONE (601) 825-8341 FAX (601) 828-3032	PROJECT: OAK PARK, PHASE 1	SHEET NAME: TYPICAL SECTIONS	SHEET NO.: 2
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DRAINAGE STRUCTURE SCHEDULE

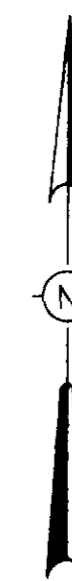
GRATE INLET NO. 1 D.A. = 0.537 Ac I = 7.2 Q _s = 2.90 cfs TOP = 360.00 INV. IN = 354.50 INV. OUT = 357.50	CURB INLET NO. 2 D.A. = 0.172 Ac I = 7.2 Q _s = 0.93 cfs TOP = 358.82 INV. IN = 354.50 INV. OUT = 354.40	GRATE INLET NO. 3 D.A. = 0.149 Ac I = 7.2 Q _s = 0.81 cfs TOP = 357.50 INV. IN = 351.82 INV. OUT = 351.72	GRATE INLET NO. 4 D.A. = 0.164 Ac I = 7.2 Q _s = 0.89 cfs TOP = 356.00 INV. IN = 352.88
CURB INLET NO. 5 D.A. = 0.514 Ac I = 7.2 Q _s = 2.78 cfs TOP = 355.69 INV. IN = 352.40 INV. OUT = 352.30	GRATE INLET NO. 6 D.A. = 0.661 Ac I = 7.2 Q _s = 3.57 cfs TOP = 360.75 INV. IN = 358.25	GRATE INLET NO. 7 D.A. = 0.303 Ac I = 7.2 Q _s = 1.64 cfs TOP = 359.06 INV. IN = 356.50 INV. OUT = 356.40	CURB INLET NO. 8 D.A. = 0.248 Ac I = 7.2 Q _s = 1.34 cfs TOP = 358.15 INV. IN = 355.85 INV. OUT = 355.55
CURB INLET NO. 9 D.A. = 0.253 Ac I = 7.2 Q _s = 1.37 cfs TOP = 358.15 INV. IN = 355.17 INV. OUT = 355.07	CURB INLET NO. 10 D.A. = 0.634 Ac I = 7.2 Q _s = 3.42 cfs TOP = 360.17 INV. IN = 357.50	CURB INLET NO. 11 D.A. = 0.133 Ac I = 7.2 Q _s = 0.72 cfs TOP = 359.85 INV. IN = 357.10 INV. OUT = 357.00	GRATE INLET NO. 12 D.A. = 0.799 Ac I = 7.2 Q _s = 4.31 cfs TOP = 358.88 INV. IN = 356.30 INV. OUT = 356.20
CURB INLET NO. 13 D.A. = 0.224 Ac I = 7.2 Q _s = 1.21 cfs TOP = 359.60 INV. IN = 355.60 INV. OUT = 356.90	GRATE INLET NO. 14 D.A. = 0.430 Ac I = 7.2 Q _s = 2.32 cfs TOP = 358.13 INV. IN = 355.60 INV. OUT = 355.50	CURB INLET NO. 15 D.A. = 0.634 Ac I = 7.2 Q _s = 3.42 cfs TOP = 355.71 INV. IN = 352.70 INV. OUT = 352.60	GRATE INLET NO. 16 D.A. = 0.358 Ac I = 7.2 Q _s = 1.93 cfs TOP = 356.77 INV. IN = 354.50 INV. OUT = 354.40
CURB INLET NO. 17 D.A. = 0.207 Ac I = 7.2 Q _s = 1.12 cfs TOP = 354.50 INV. IN = 354.50 INV. OUT = 350.40	CURB INLET NO. 18 D.A. = 1.05 Ac I = 7.2 Q _s = 0.560 cfs TOP = 354.50 INV. IN = 350.10 INV. OUT = 350.00	GRATE INLET NO. 19 D.A. = 1.045 Ac I = 7.2 Q _s = 5.84 cfs TOP = 354.25 INV. IN = 349.60 INV. OUT = 349.50	GRATE INLET NO. 20 D.A. = 0.204 Ac I = 7.2 Q _s = 1.01 cfs TOP = 357.50 INV. IN = 355.50 INV. OUT = 355.40

● SOIL BORING LOCATIONS

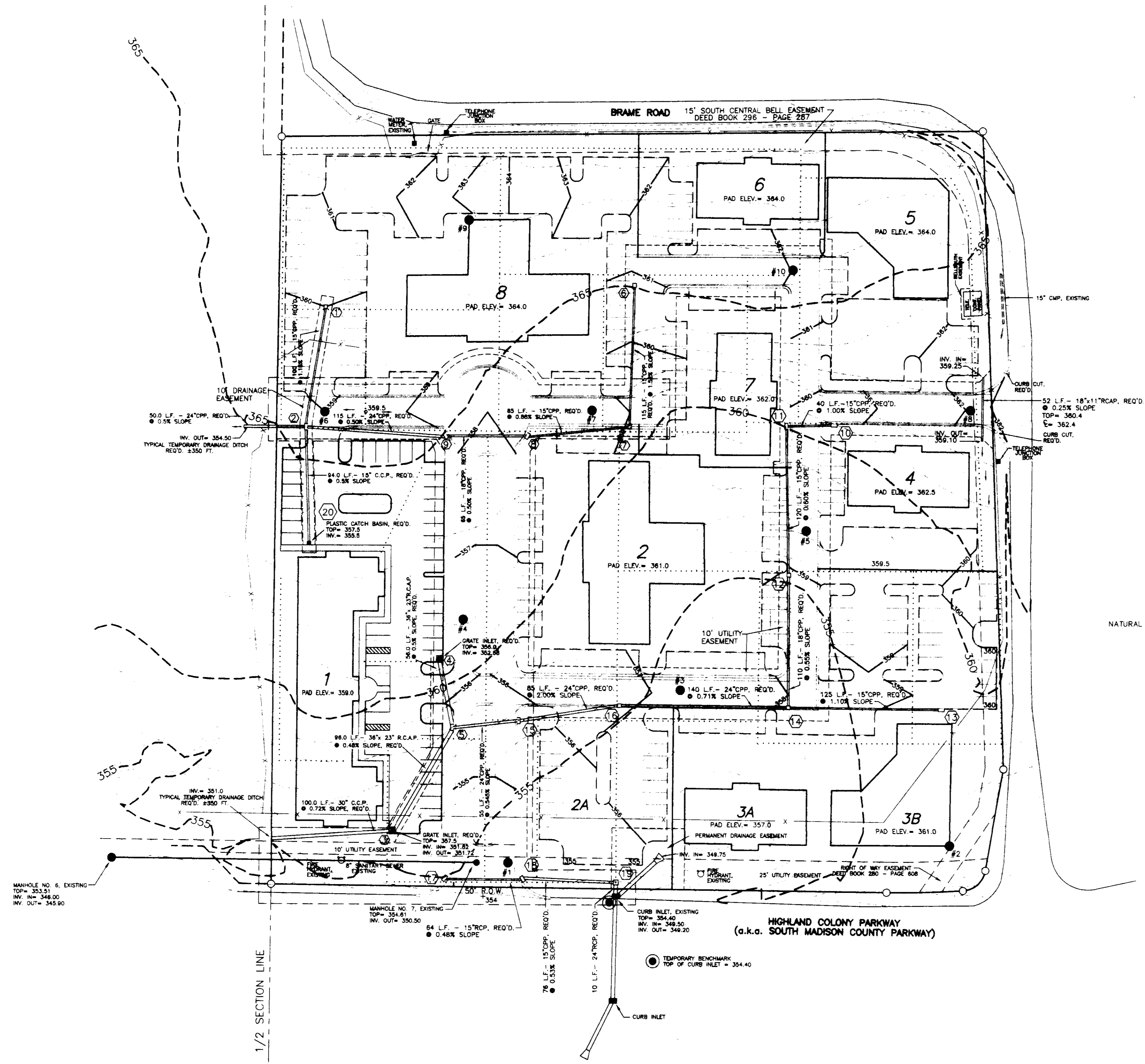
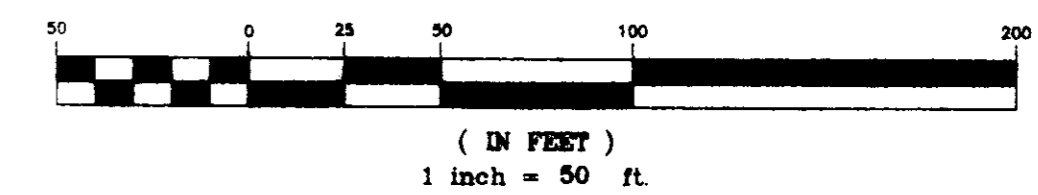
NOTES:
1. ALL PIPES EXTENDING FROM PHASE 1 TO FUTURE PHASES SHOULD BE STUBBED OUT 10' BEYOND CURB LINES. SURROUNDING AREA SHOULD BE GRADED TO DRAIN INTO STUBBED OUT PIPE.



Typical Section - Temporary Flat Bottom Ditch

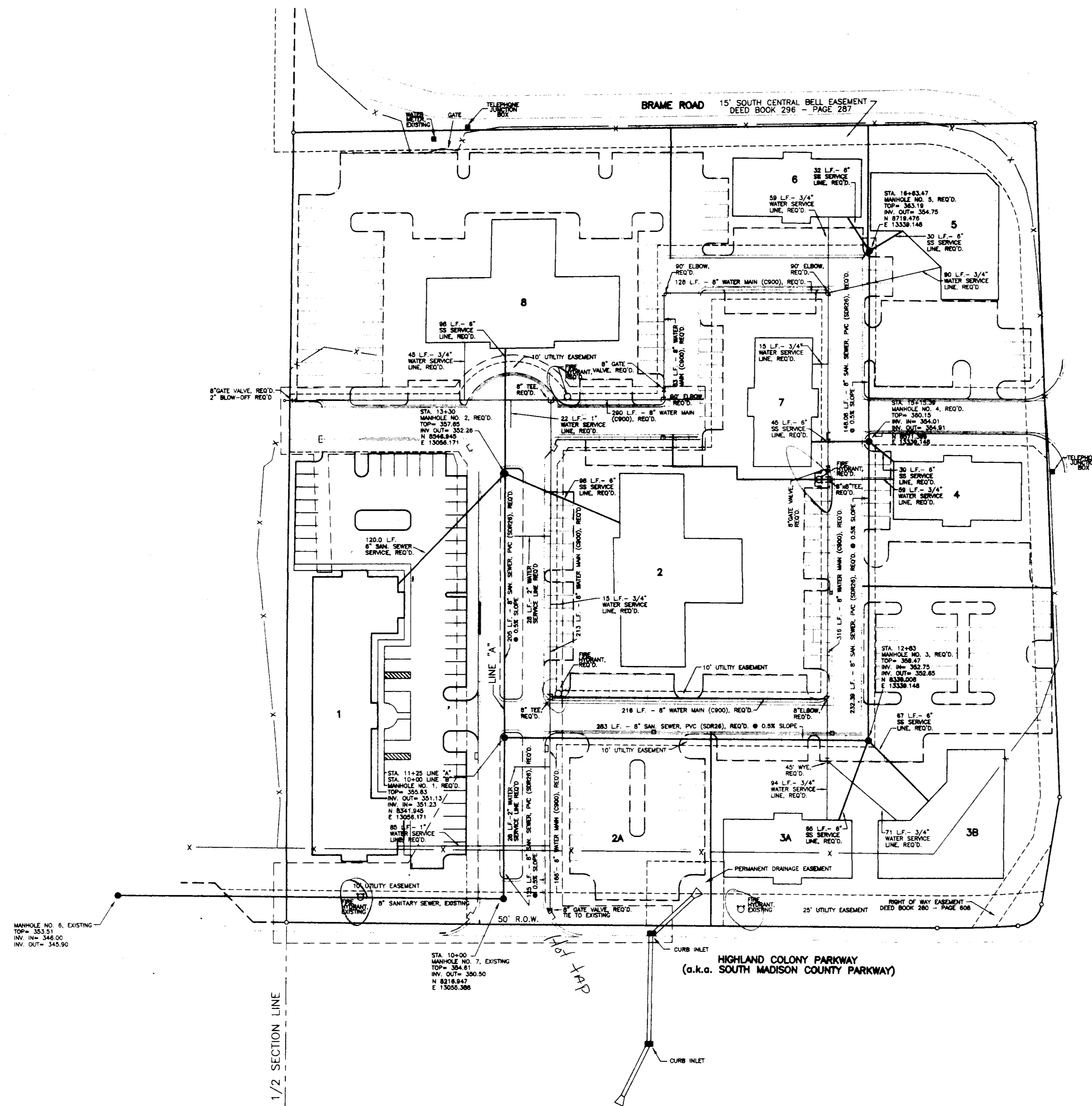


GRAPHIC SCALE

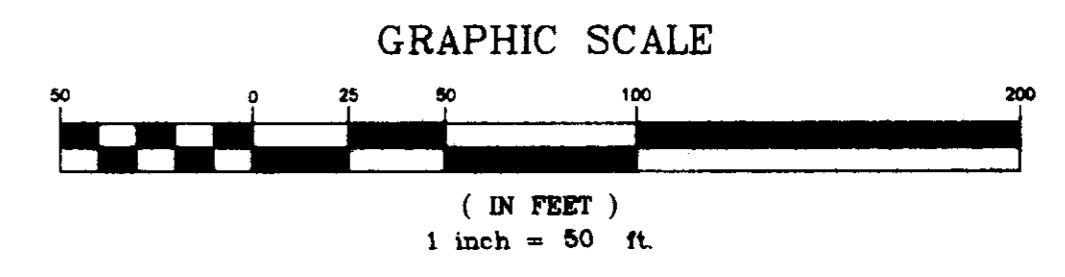
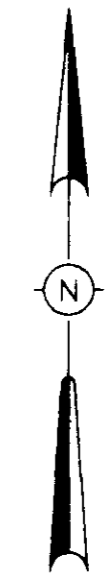


DRAWN BY: MIKE LOVE DATE: 8-15-98 DWG. NO.: 1566SRC	APPROVED BY: PAT GUEST PROJ. NO. G-1566 SCALE: 1"=50'	REVISIONS	Quest Consultants, Inc. CONSULTING ENGINEERS • LAND SURVEYORS TWENTY SIX EASTGATE DRIVE • P.O. BOX 1225 • BRANDON, MS 39043 TELEPHONE (601) 825-8341 FAX (601) 825-3032	PROJECT OAK PARK, PHASE 1	SHT. NAME Storm Drainage Layout and Preliminary Grading Plan	SHT. NO. 3
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NOTES:
 1.) ALL SEWER LINES AND WATER MAINS THAT EXTEND FROM PHASE 1 TO FUTURE PHASES SHALL BE STUBBED OUT 10' AND CAPPED.



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DATE: 8-14-98	PROJ. NO. G-1566	
DWG. NO. 1566SWS		

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PROJECT
OAK PARK, PHASE 1

SHT. NAME
Water And Sewer Layout

SHT. NO.
4

SYMBOLS FOR EROSION AND SEDIMENT CONTROL PRACTICES

TEMPORARY PRACTICES

- → CHECK DAM
- ▭ CONSTRUCTION ENTRANCE/EXIT
- D → DIVERSION
- △ DUST CONTROL
- ⌒ SEDIMENT BASIN
- SILT FENCE
- ▧ STORM DRAIN INLET PROTECTION (SILT FENCE, STRAW BALE)
- ▨ STRAW BALE BARRIER

PERMANENT PRACTICES

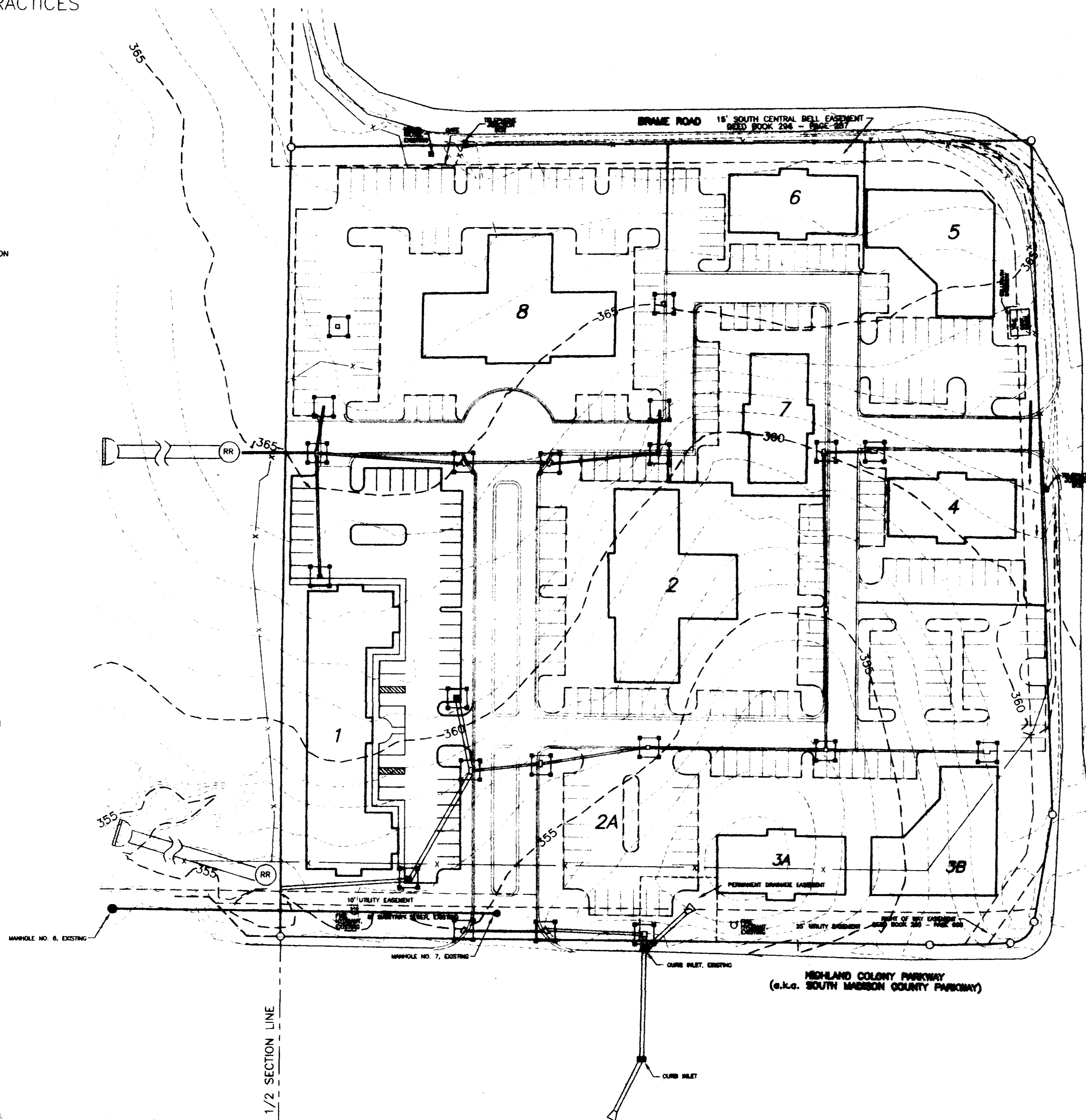
- ⊙ BZ BUFFER ZONE
- ⊙ DETENTION BASIN
- D → DIVERSION
- ⌒ GRADE STAB. STRUCTURE
- ⊙ GW GRASSED WATERWAY
- ⊙ LAND GRADING
- ▨ LEVEL GRADING
- ⊙ LW LINED WATERWAY
- ▨ PARKING LOT STORAGE
- ▨ PAVED FLUME
- ▨ ROCK OUTLET PROTECTION
- ⊙ R STORMWATER RETENTION BASIN

VEGETATIVE PRACTICES

- ⊙ M MULCHING
- ⊙ PS PERMANENT SEEDING
- ⊙ S SODDING
- ⊙ TS TEMPORARY SEEDING
- ⊙ PILE TOPSOILING
- ⊙ TP TREE PRESERVATION AND PROTECTION
- ⊙ OC TREES, SHRUBS, VINES AND GROUND COVER
- ⊙ DS VEGETATIVE DUNE STABILIZATION

COMPOSITE PRACTICES

- ⊙ VS VEGETATIVE STREAMBANK STAB.
- ⊙ SS STRUCTURAL STREAMBANK STAB.
- ⊙ RR RIPRAP



MAINTENANCE PLAN

- SHORT TERM**
- ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL, BUT IN NO CASE LESS THAN EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED.
 - SEDIMENT WILL BE REMOVED FROM THE INLET PROTECTION DEVICES WHEN IT REACHES A MAXIMUM OF 6\" DEEP. THE DEVICE WILL BE REPLACED AS NECESSARY TO MAINTAIN A BARRIER.
 - ALL SEEDING AREAS WILL BE FERTILIZED AND RESEEDED AS NECESSARY TO MAINTAIN A DENSE VEGETATIVE COVER.
- LONG TERM**
- ALL VEGETATED AREAS WILL BE MAINTAINED IN ADEQUATE CONDITION TO PROVIDE PROPER GROUND COVER.
 - AREAS WHERE VEGETATION IS LOST WILL BE FERTILIZED, SEEDING AND MAINTAINED AS NECESSARY TO RESTORE PROPER GROUND COVER.
 - STRUCTURAL MEASURES WILL BE EXAMINED AT LEAST ANNUALLY AND MAINTENANCE PERFORMED AS NEEDED.

PLANNED EROSION, SEDIMENT AND STORMWATER CONTROL PRACTICES

- STORM DRAIN INLET PROTECTION**
TEMPORARY HAY BALE AND SILT FENCE COMBINATIONS WILL BE INSTALLED AT ALL CURB INLET AND GRATE INLET LOCATIONS.
- LAND GRADING**
EXCESS EXCAVATION FROM THE STREET RIGHTS OF WAY WILL BE PLACED ON THE LOTS OF LOWEST ELEVATION. ALL FILL MATERIALS WILL BE COMPACTED AND SLOPES WILL NOT EXCEED 3:1. ALL AREAS WILL RECEIVE SEEDING FOR STABILIZATION OF THE FILL MATERIAL.
- ROCK OUTLET PROTECTION**
A RIPRAP APRON WILL BE LOCATED AT THE OUTLET OF ALL CULVERTS TO PREVENT SCOUR.
- SEDIMENT BASIN**
A SEDIMENT BASIN SHALL BE INSTALLED AT THE DOWN STREAM END OF BOTH OUTLET DITCHES.
- PERMANENT SEEDING**
ALL DISTURBED AREAS WILL BE PERMANENTLY SEEDING AND MULCHED ONCE FINAL GRADE IS ESTABLISHED. THE LAND GRADING AREAS PREVIOUSLY MENTIONED WILL RECEIVE TEMPORARY SEEDING AS STATED.

TOTAL ACREAGE = 1.56 AC.

TEMPORARY SEEDING

ALL SLOPES SHALL RECEIVE TEMPORARY SEEDING OF ANNUAL RYEGRASS AT 40 LBS./AC., 13/13/13 FERTILIZER AT 800 LBS./AC., STRAW MULCH WITH ASPHALT COATING AT 1.5 TONS MULCH/AC. AND EMULSIFIED ASPHALT, GRADE SS-1 AT 100 GAL./TON MULCH.

PERMANENT SEEDING

PERMANENT SEEDING OF BERMLUDA GRASS AT 15 LBS./AC. WITH 13/13/13 COMM. FERTILIZER AT 600 LBS./AC.



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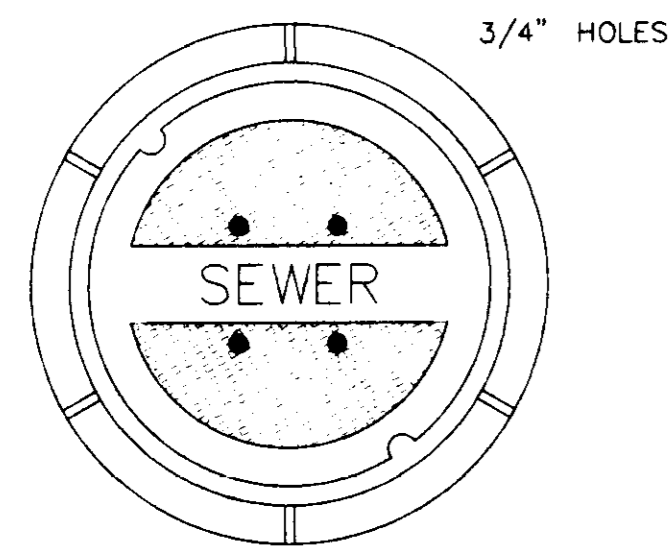
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DRAWN BY: MIKE LOVE DATE: 8-14-98 DWG. NO.: 1568SCP	APPROVED BY: PAT QUEST PROJ. NO.: G-1568 SCALE: 1"=80'	REVISIONS
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PROJECT: OAK PARK, PHASE 1
 SHEET NAME: Erosion, Sediment and Stormwater Control Plan

SHEET NO.: 6

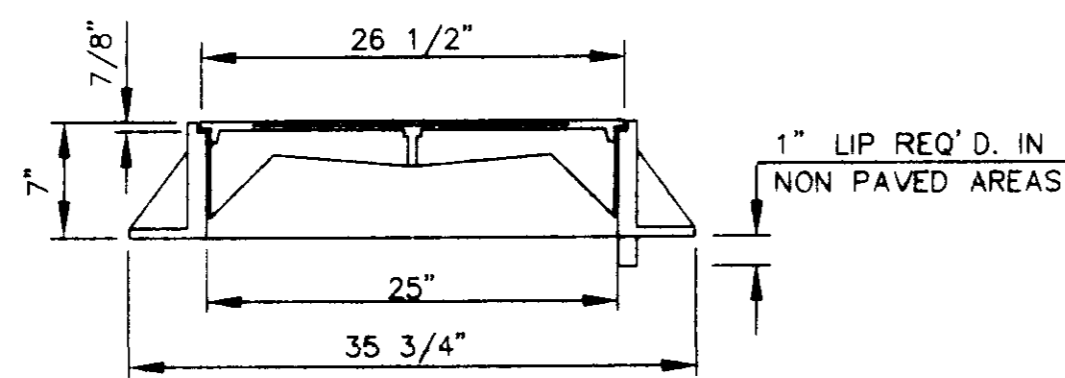


TOP PLAN OF COVER

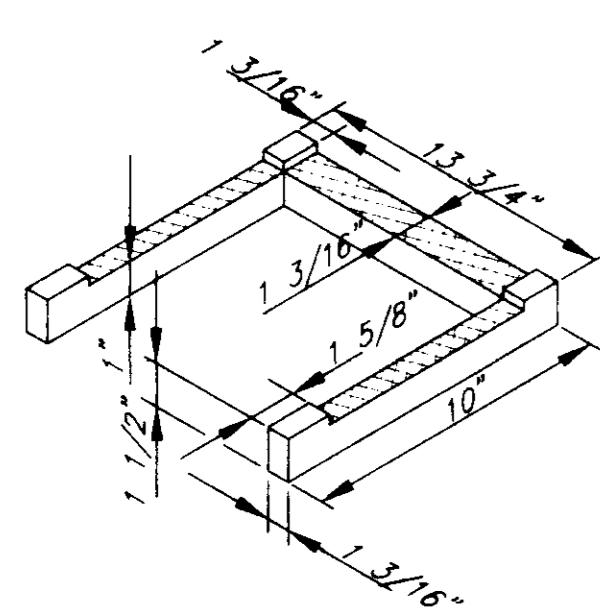
FRAME & COVER WEIGHT 420 LBS.

STANDARD MANHOLE FRAME AND COVER

N.T.S.

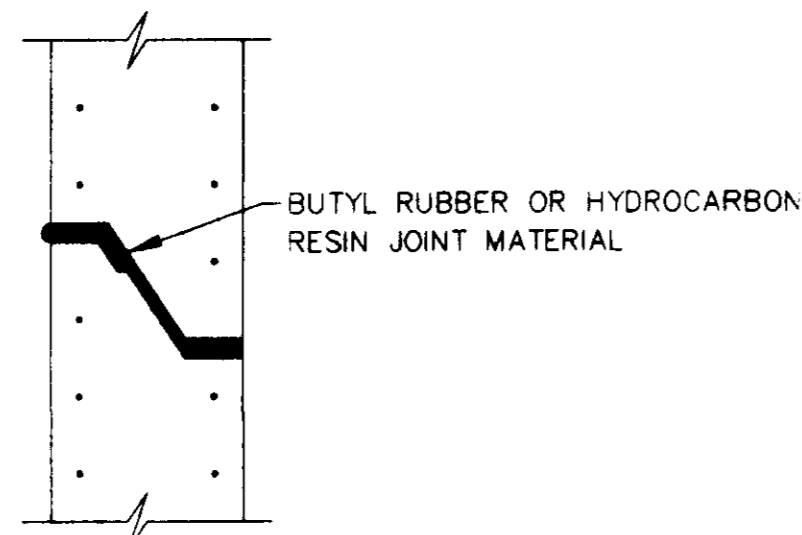


SECTION



DETAIL "B"

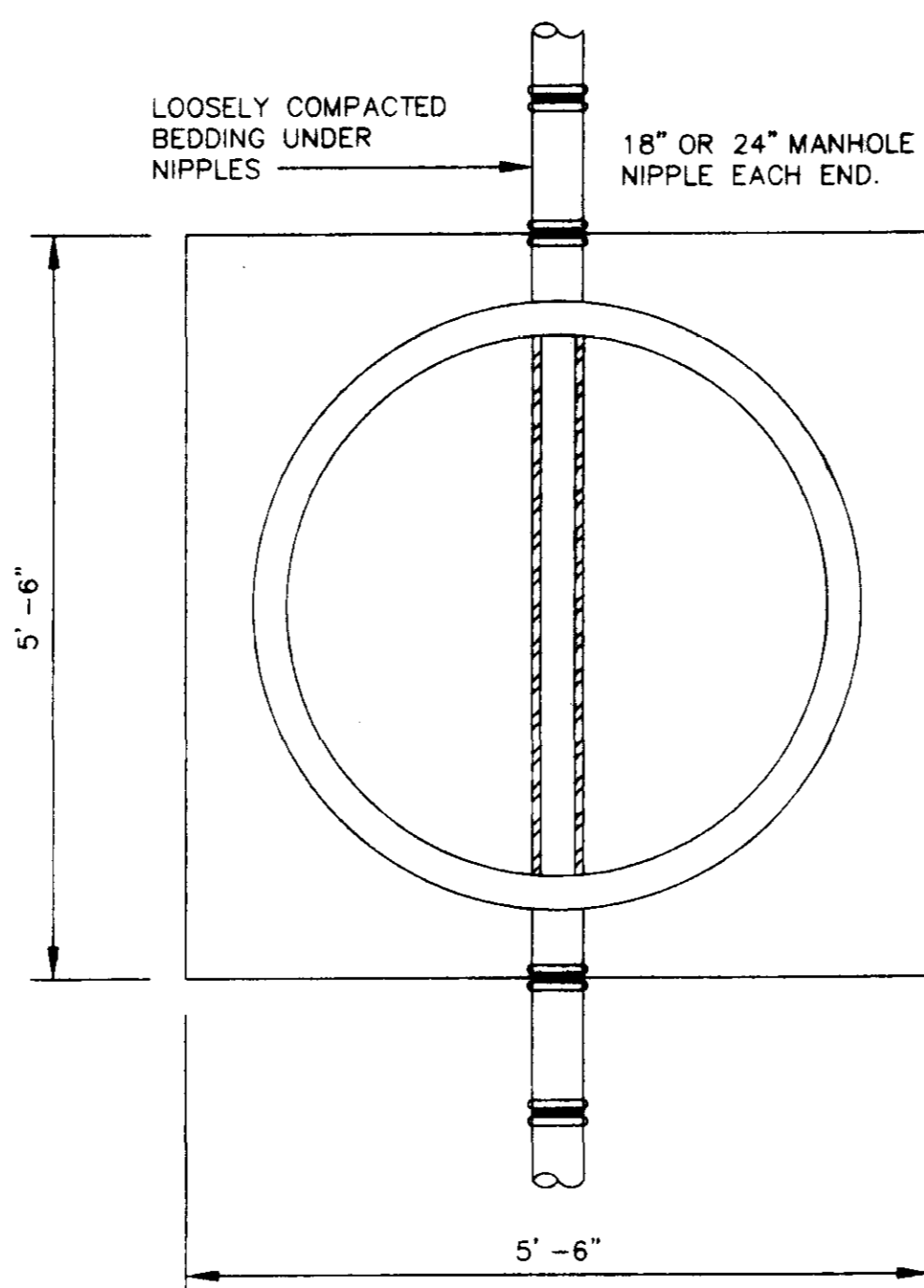
PS1-PF MANHOLE STEP AS MANUFACTURED BY M.A. INDUSTRIES INC. OR EQUAL



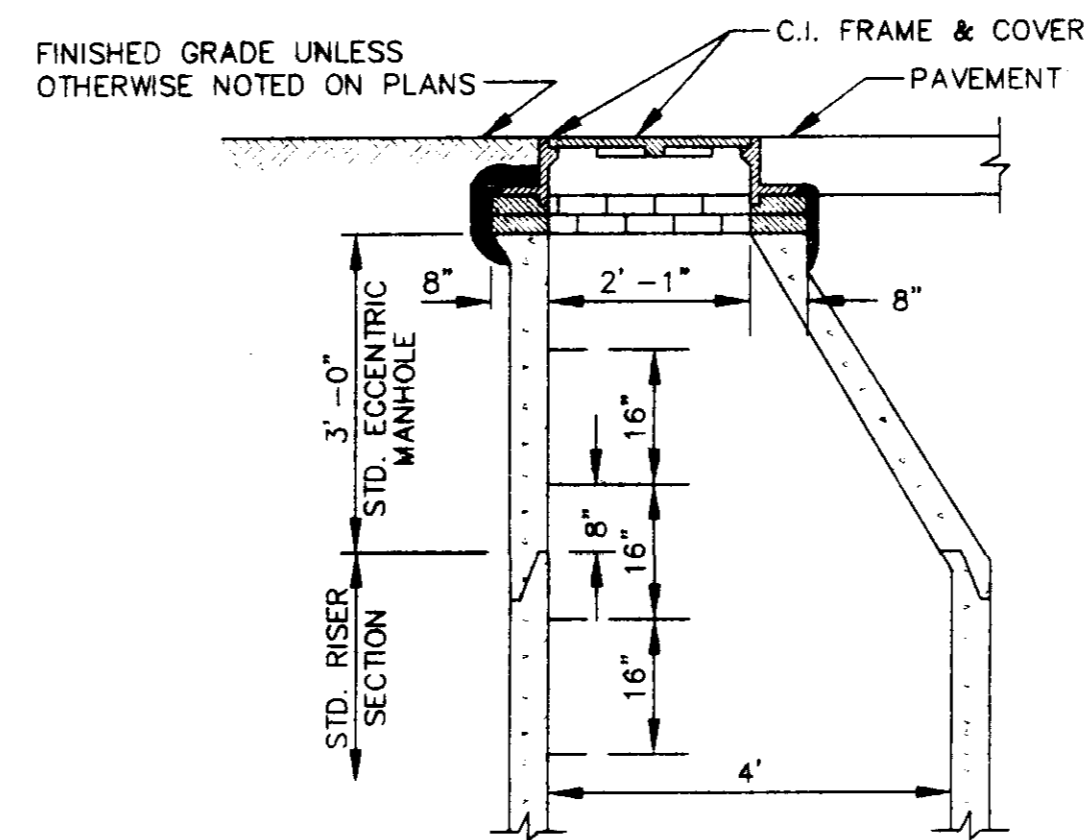
TYPICAL PRECAST CONCRETE MANHOLE JOINT DETAIL

N.T.S.

NOTE: INLET AND OUTLET PIPES SHALL BE JOINED TO THE MANHOLE WITH TWO (2) GASKETED FLEXIBLE WATERTIGHT CONNECTION WHICH ALLOWS DIFFERENTIAL SETTLEMENT OF PIPE AND MANHOLE.



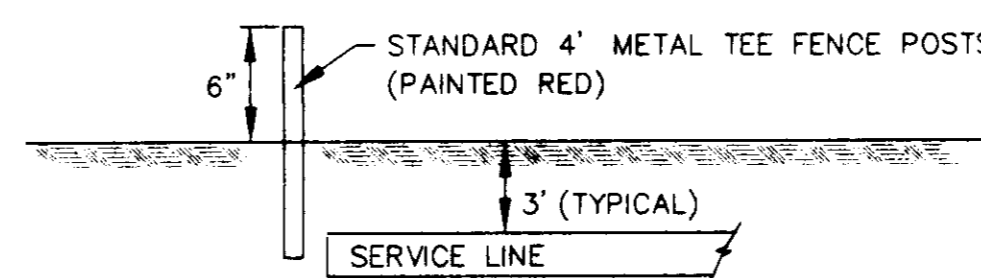
TYPICAL PIPE CONNECTION TO MANHOLE



NOTE: DETAILS FOR RISER & BASE SECTIONS ARE SAME AS SHOWN IN SECTION OF PRECAST CONCRETE MANHOLE.

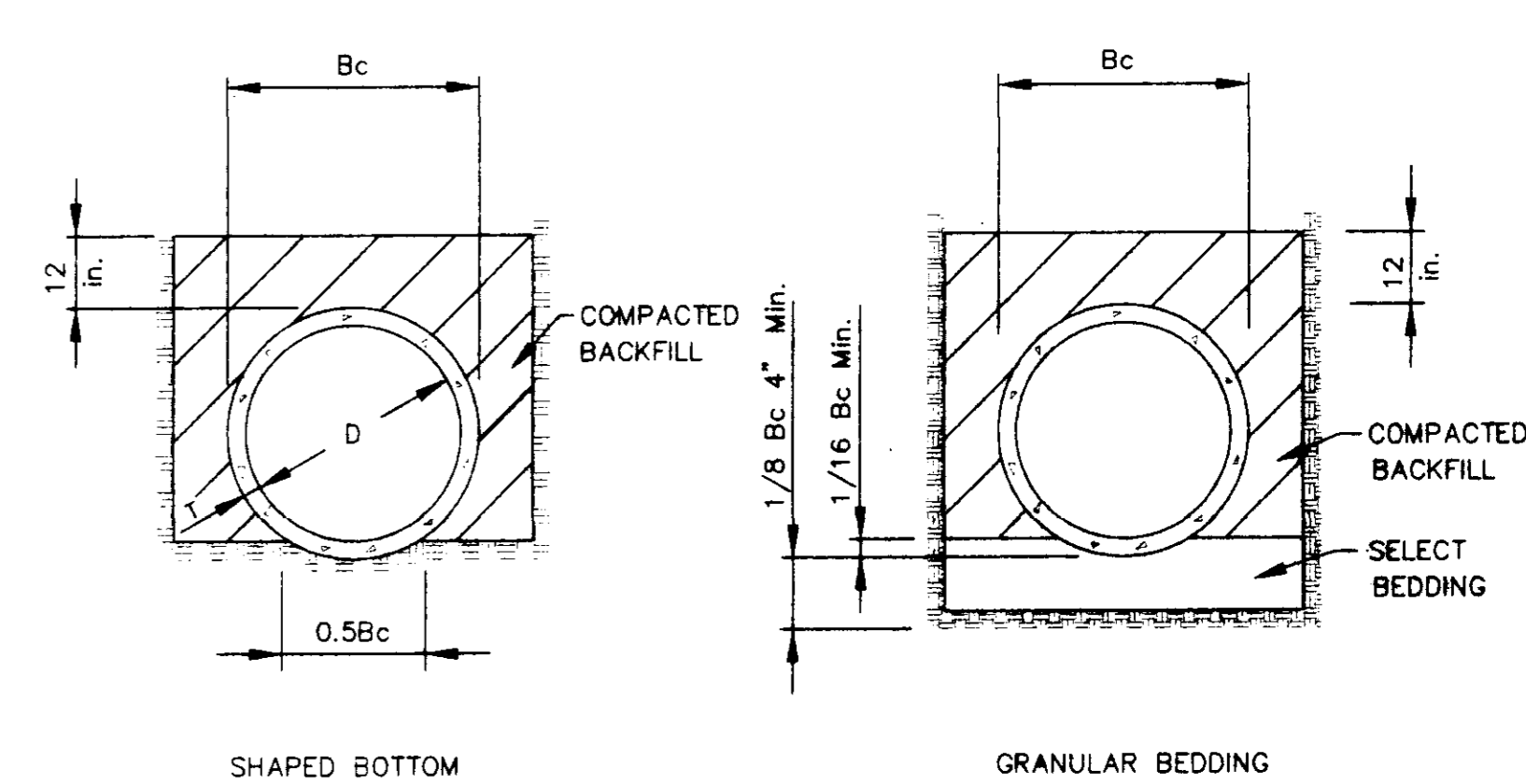
STANDARD ECCENTRIC CONE FOR ALL DIAMETER MANHOLES

N.T.S.



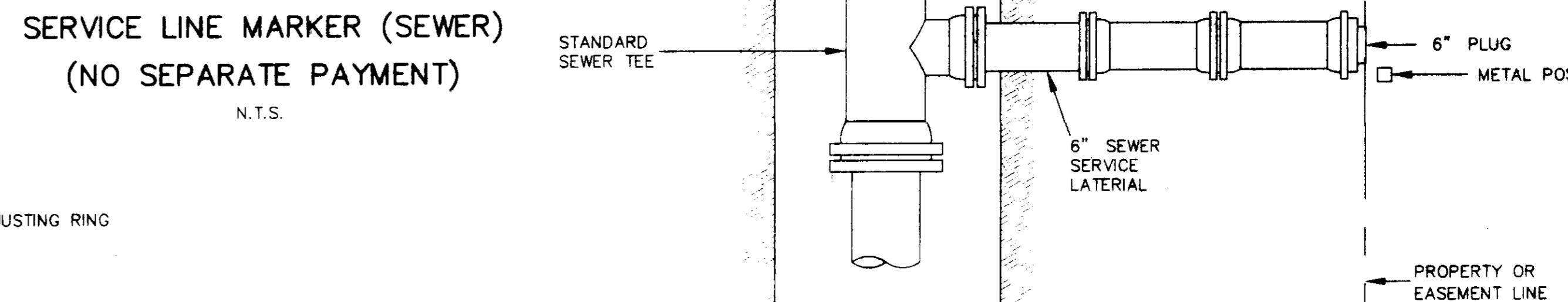
SERVICE LINE MARKER (SEWER) (NO SEPARATE PAYMENT)

N.T.S.

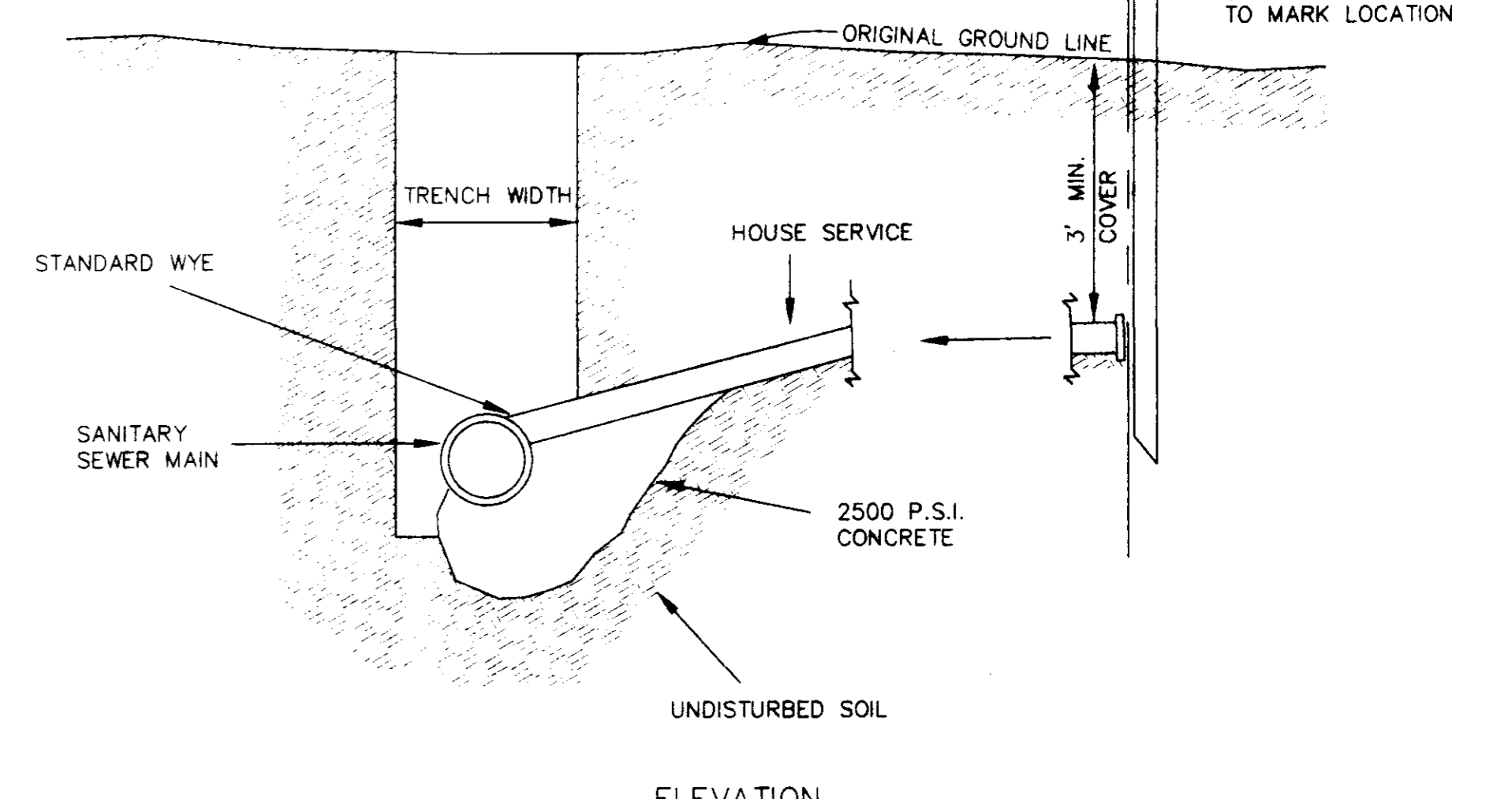


TYPICAL TRENCH DETAILS

N.T.S.



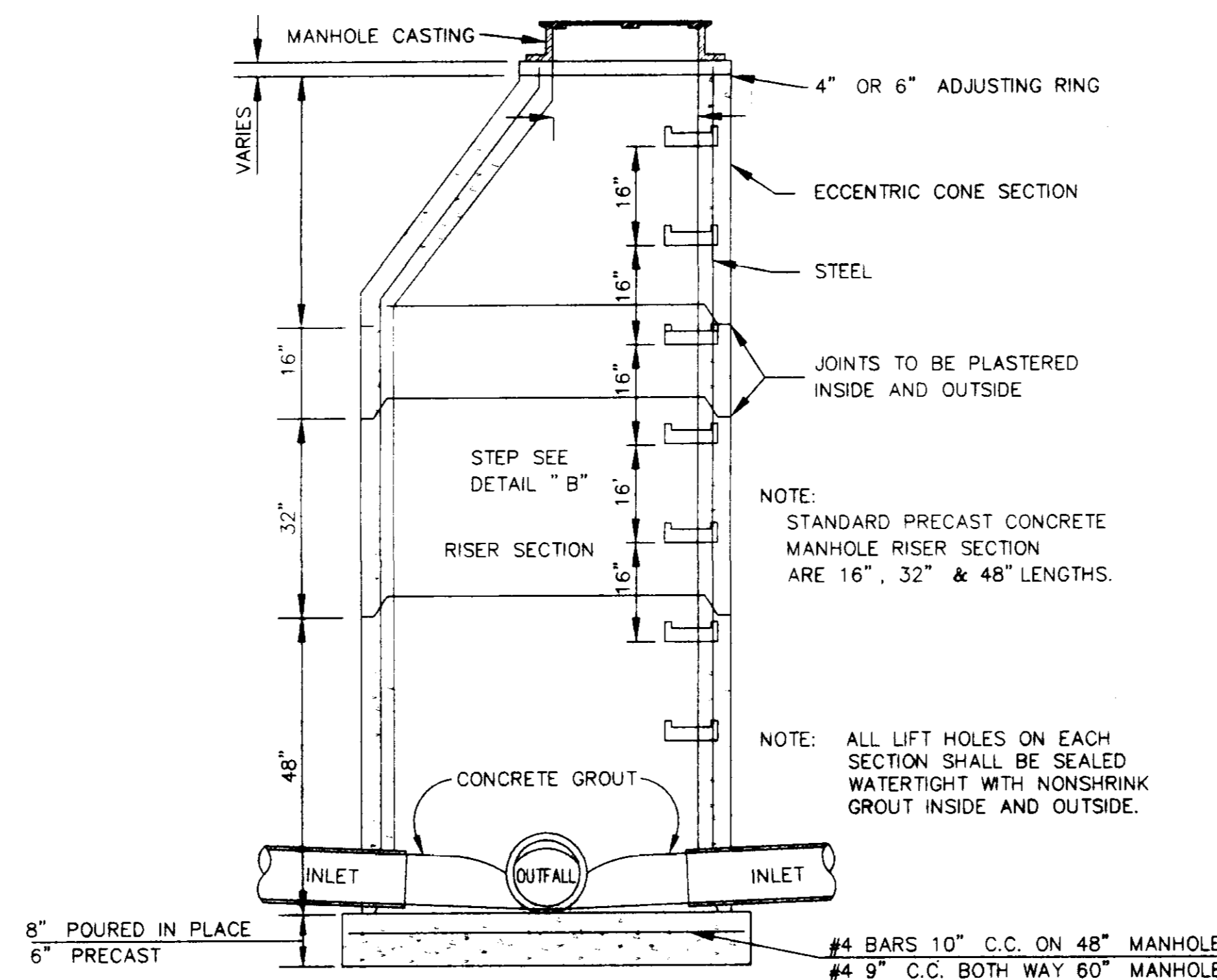
PLAN



ELEVATION

SEWER SERVICE CONNECTION

N.T.S.



SECTION OF PRECAST CONCRETE MANHOLE

N.T.S.



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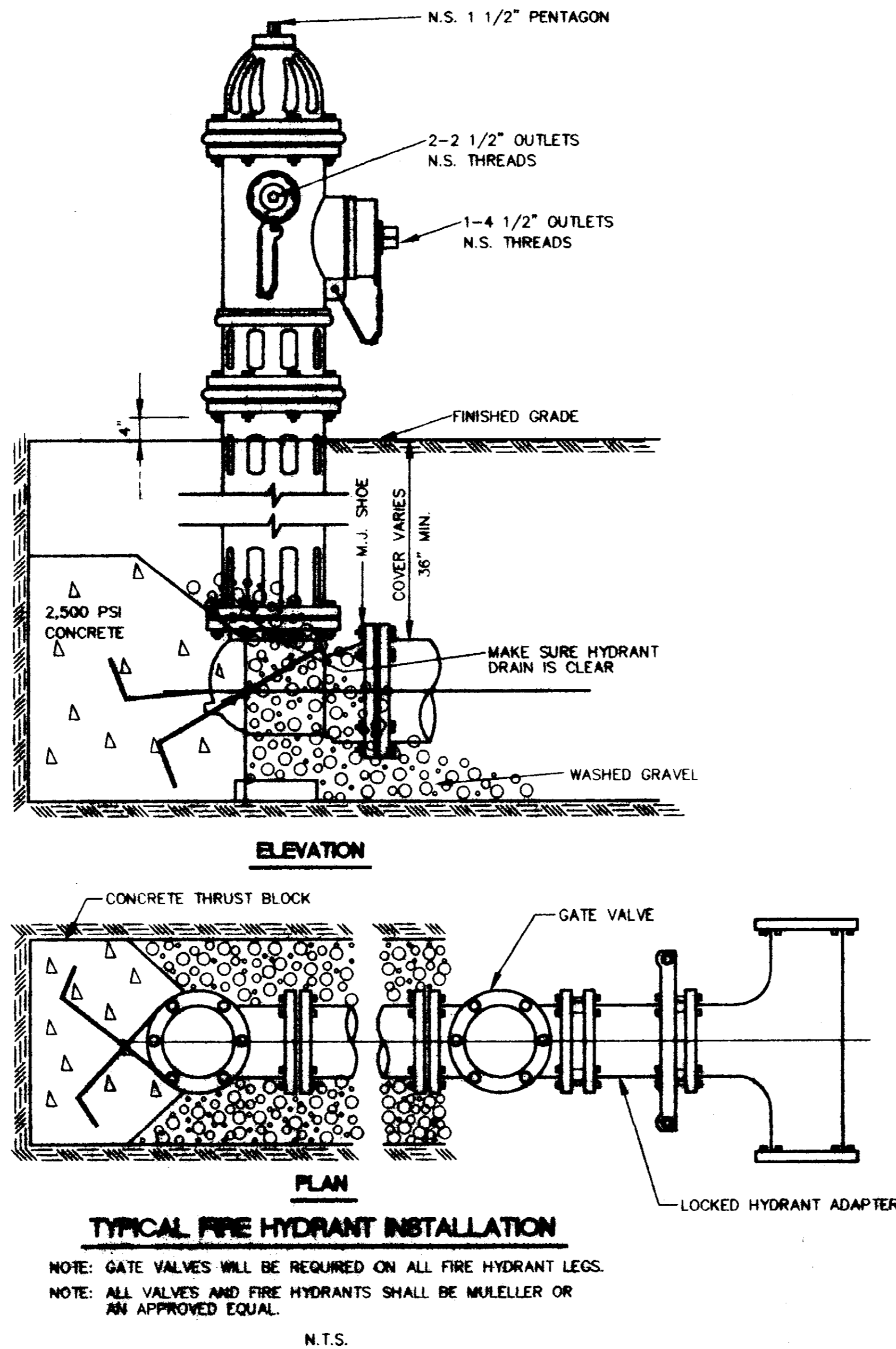
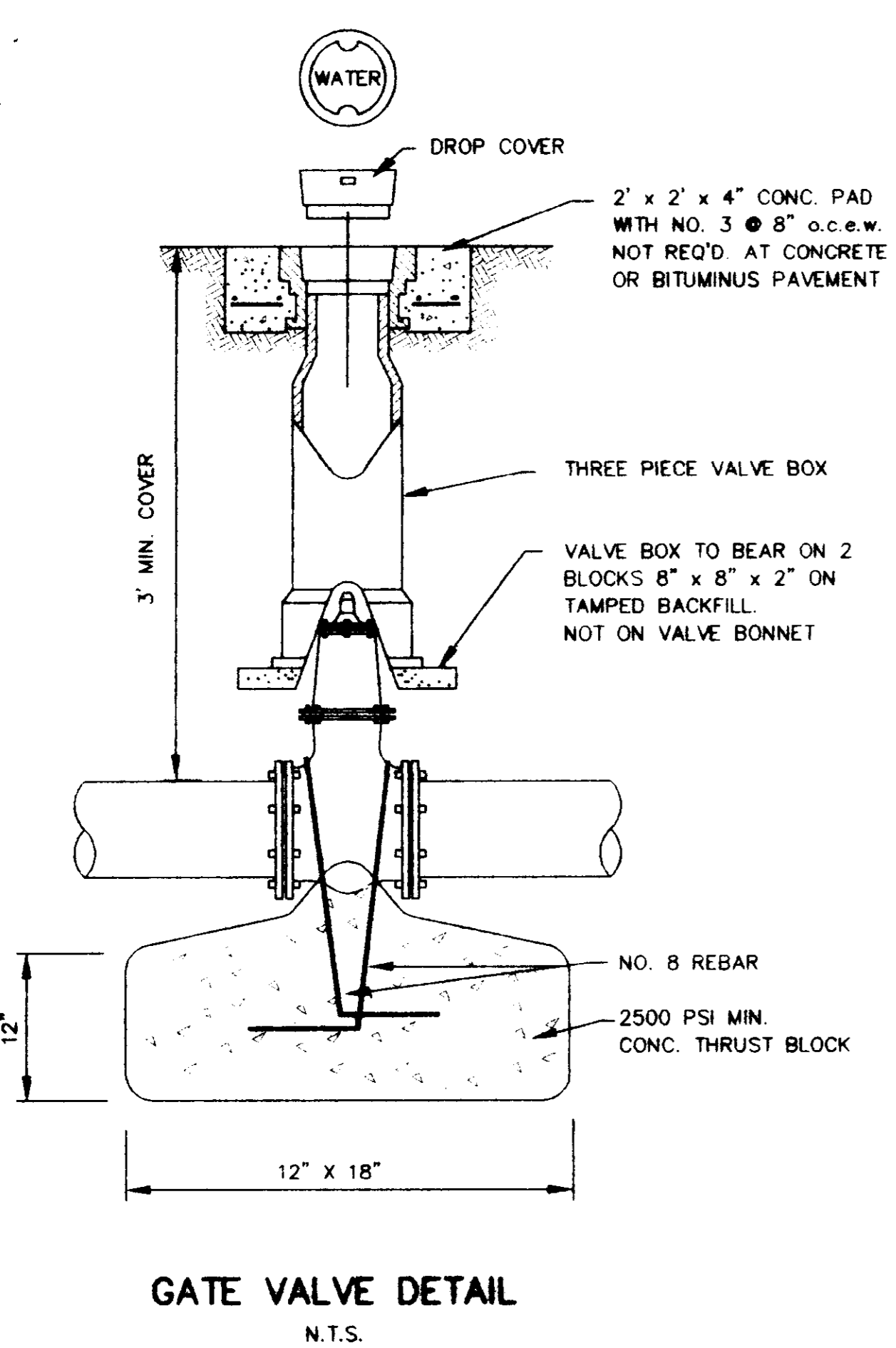
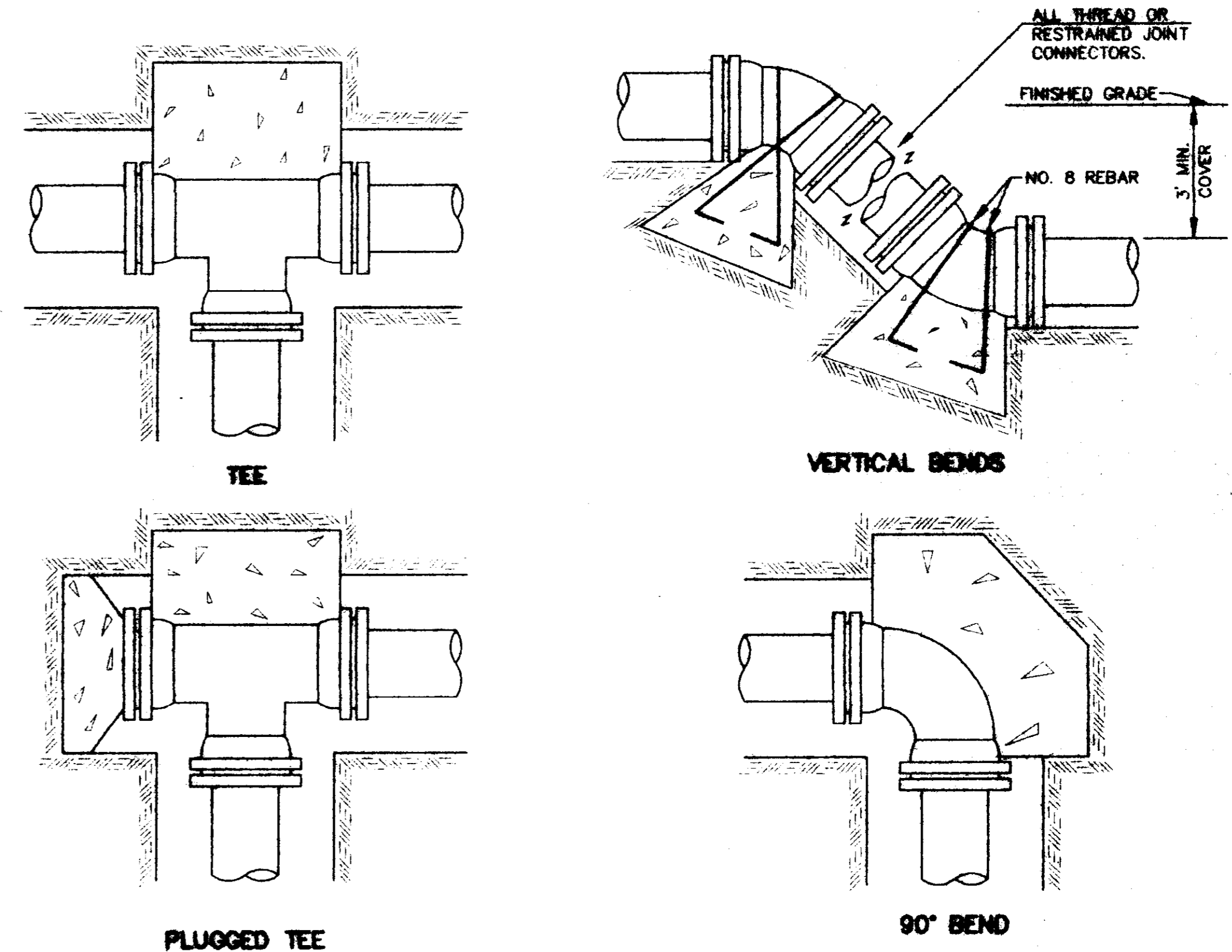
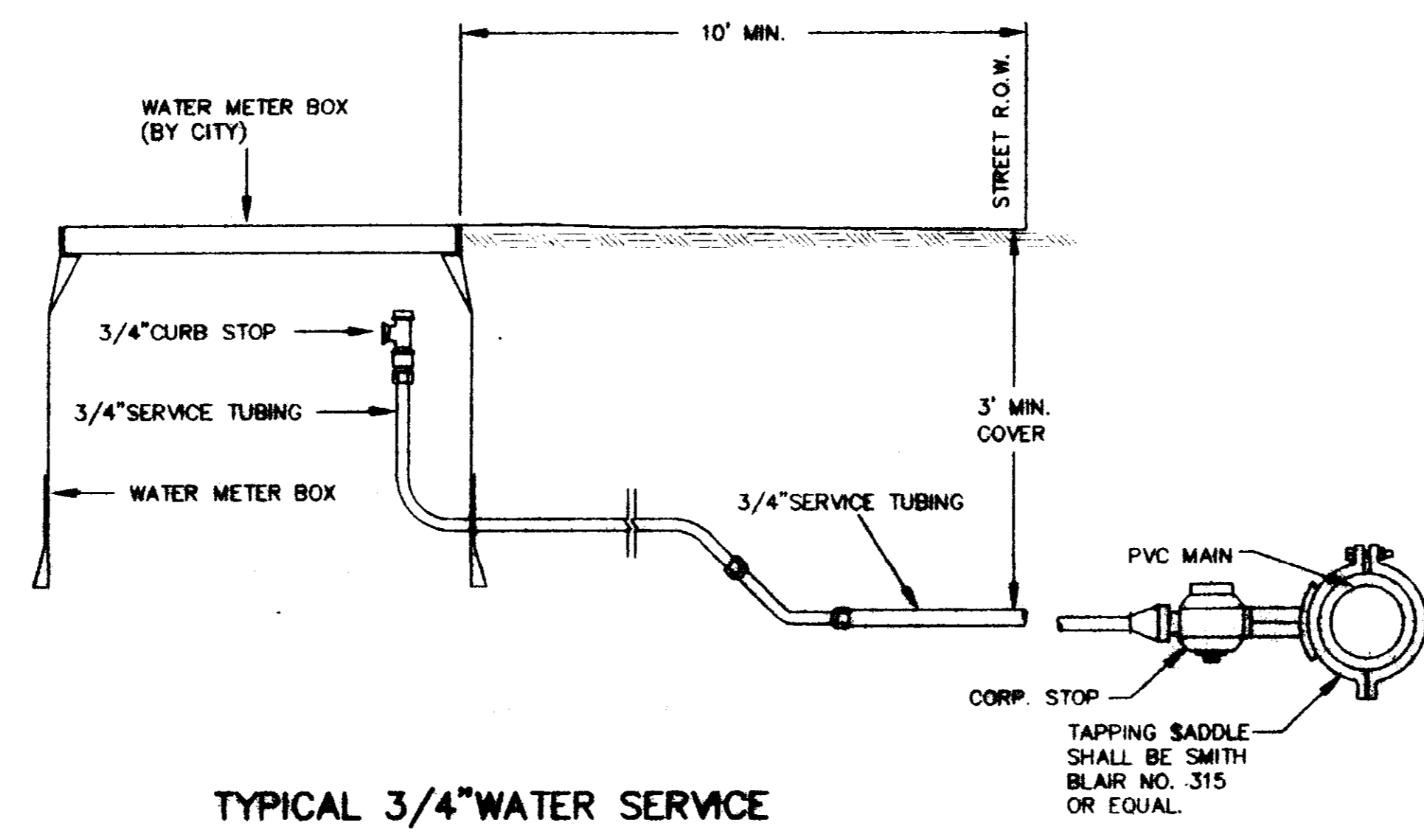
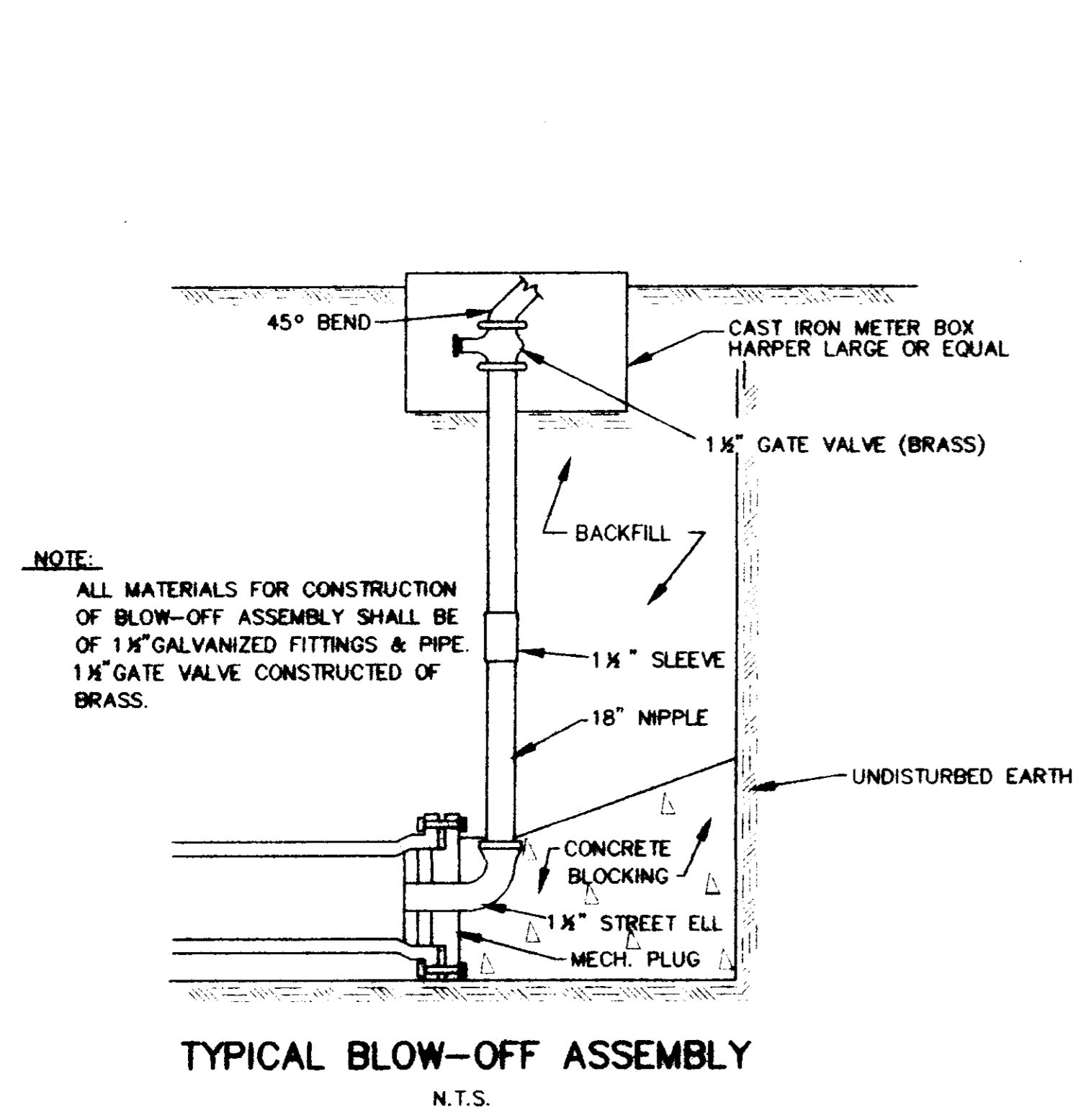
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PROJECT: **OAK PARK, PHASE 1**

SHT. NAME: **STANDARD SANITARY SEWER DETAILS**

SHT. NO.: **7**



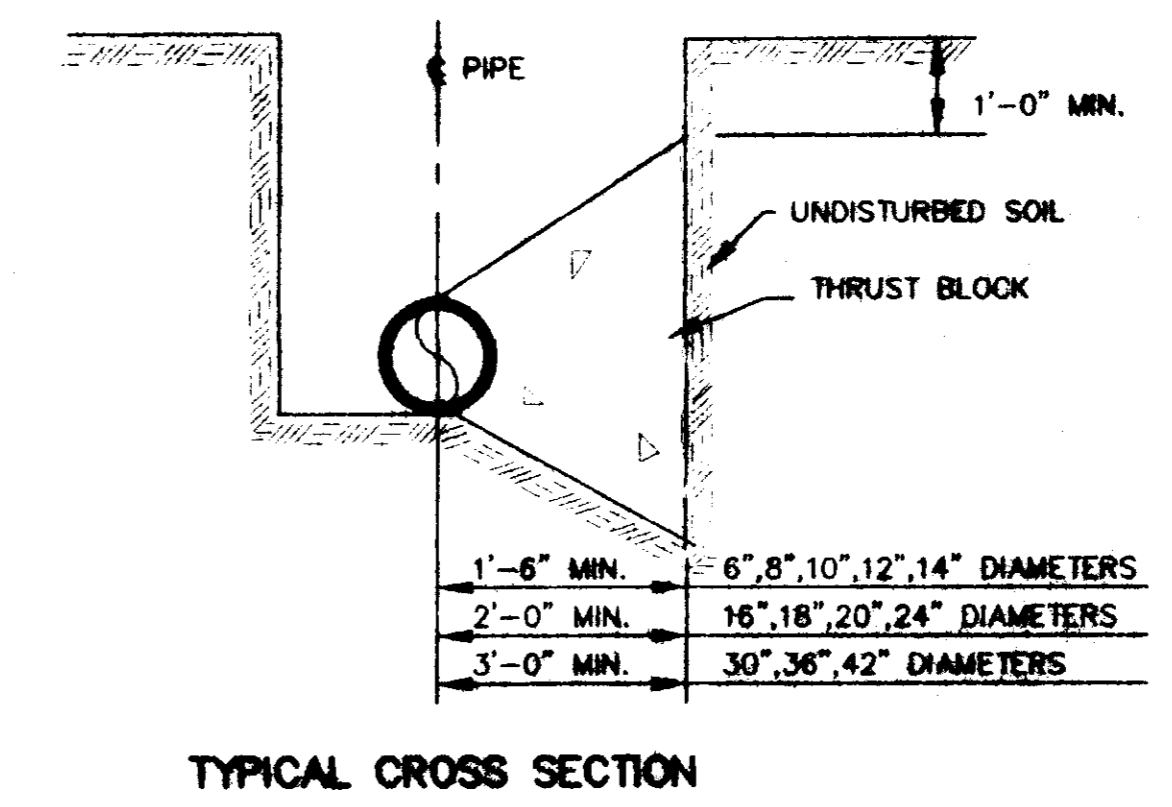
BEARING AREA IN SQ. FT.

NORMAL PIPE DIAMETER (IN.)	DEAD-END OR TEE	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND
4	2.0	2.0	2.0	2.0	2.0
8	4.0	6.0	3.0	2.0	2.0

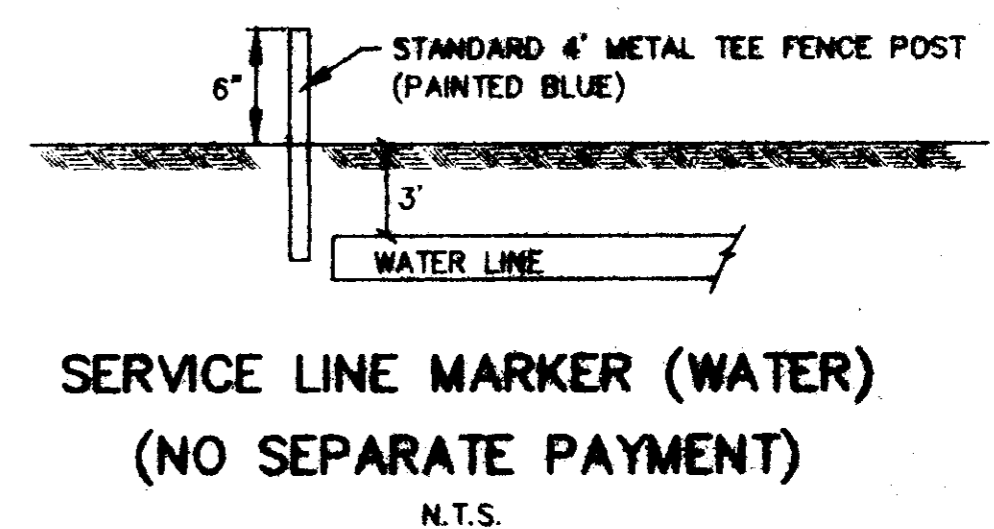
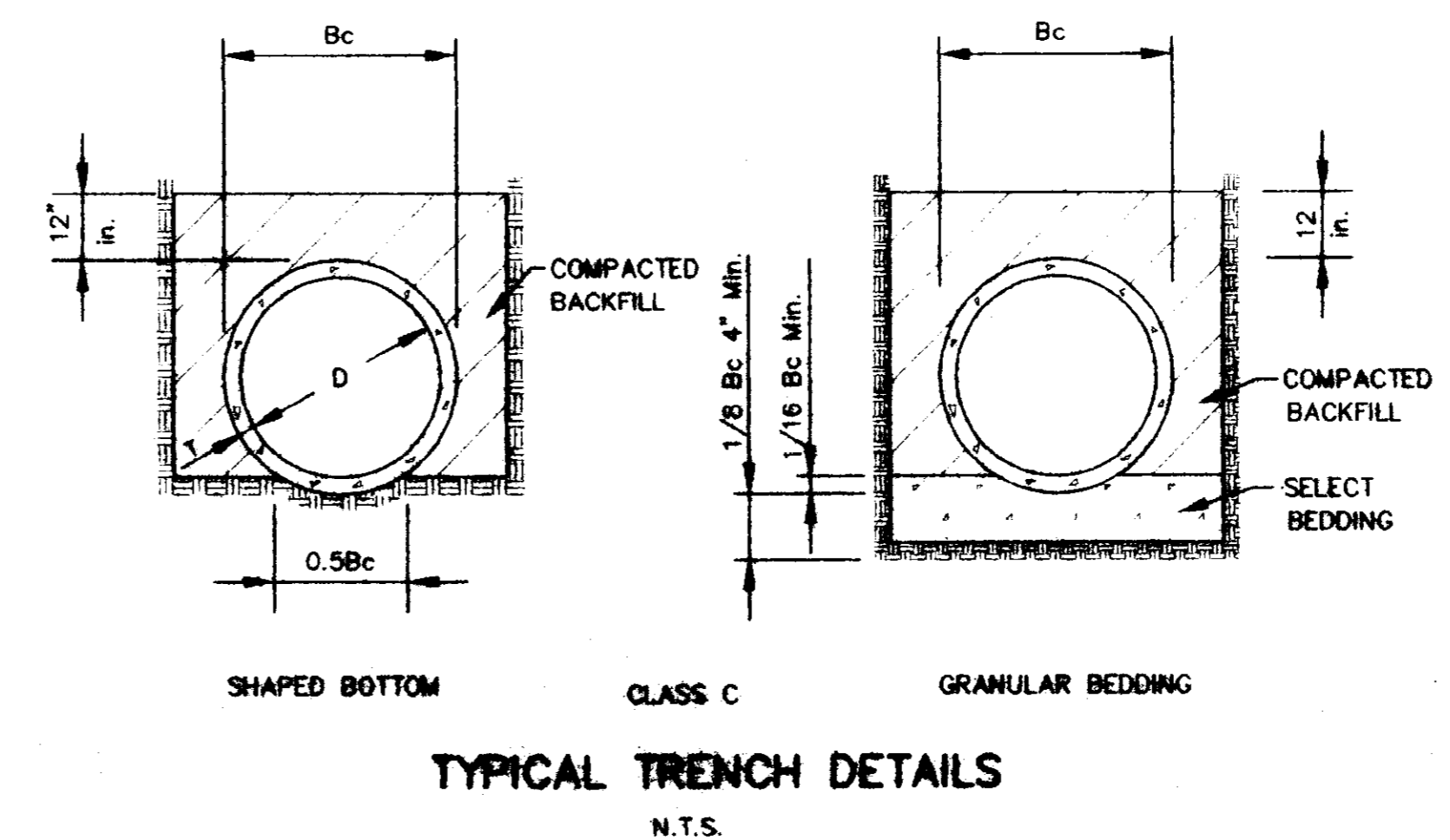
VERTICAL BENDS

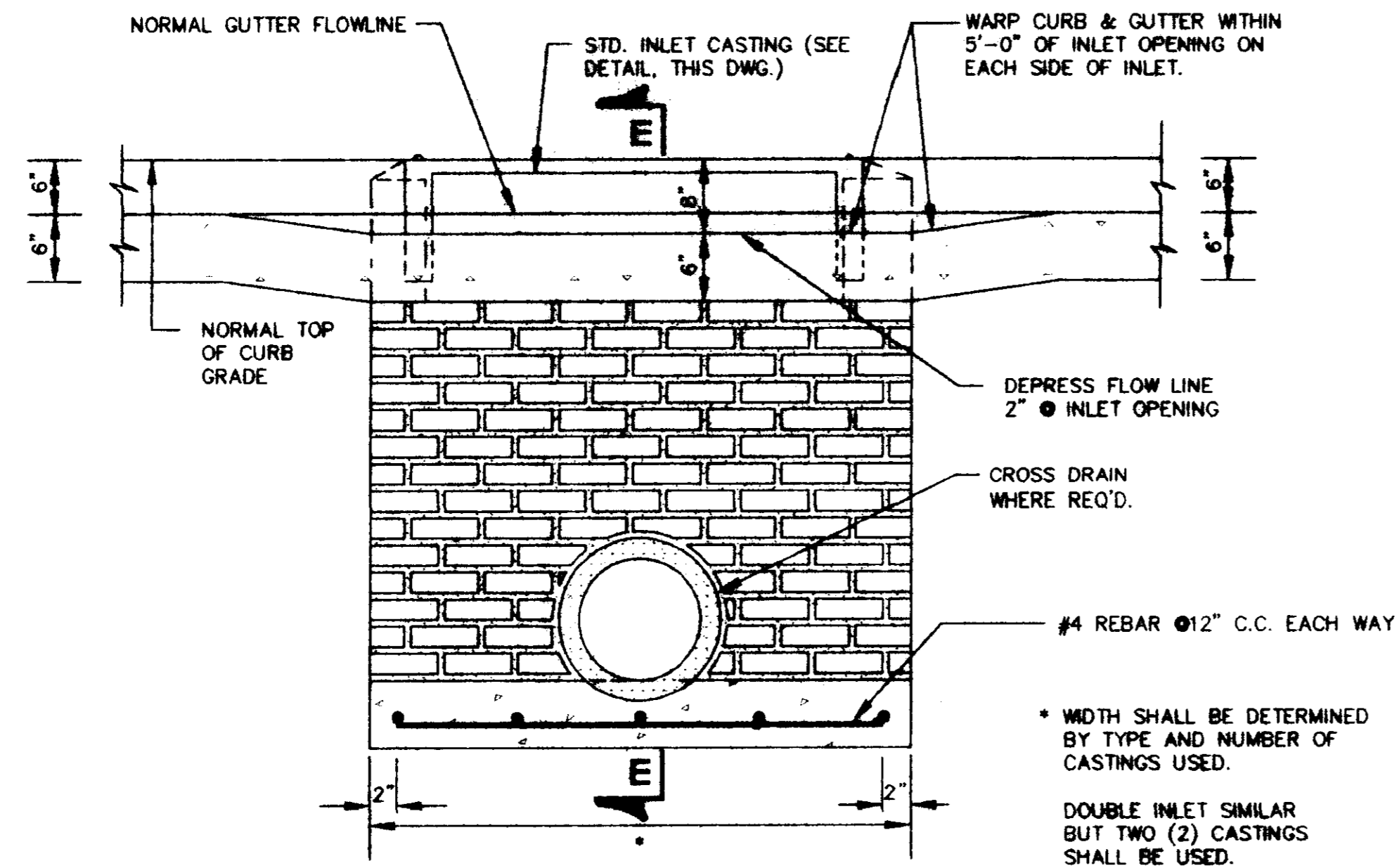
NORMAL PIPE DIAMETER (IN.)	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND
4	6.0(2.2)	4.0(1.5)	4.0(1.5)	4.0(1.5)
8	27.0(1.0)	9.0(3.3)	6.0(2.2)	6.0(2.2)

VOLUME OF BLOCKS INCLUDING SOIL LOAD CU. FT. (CU. YDS.)

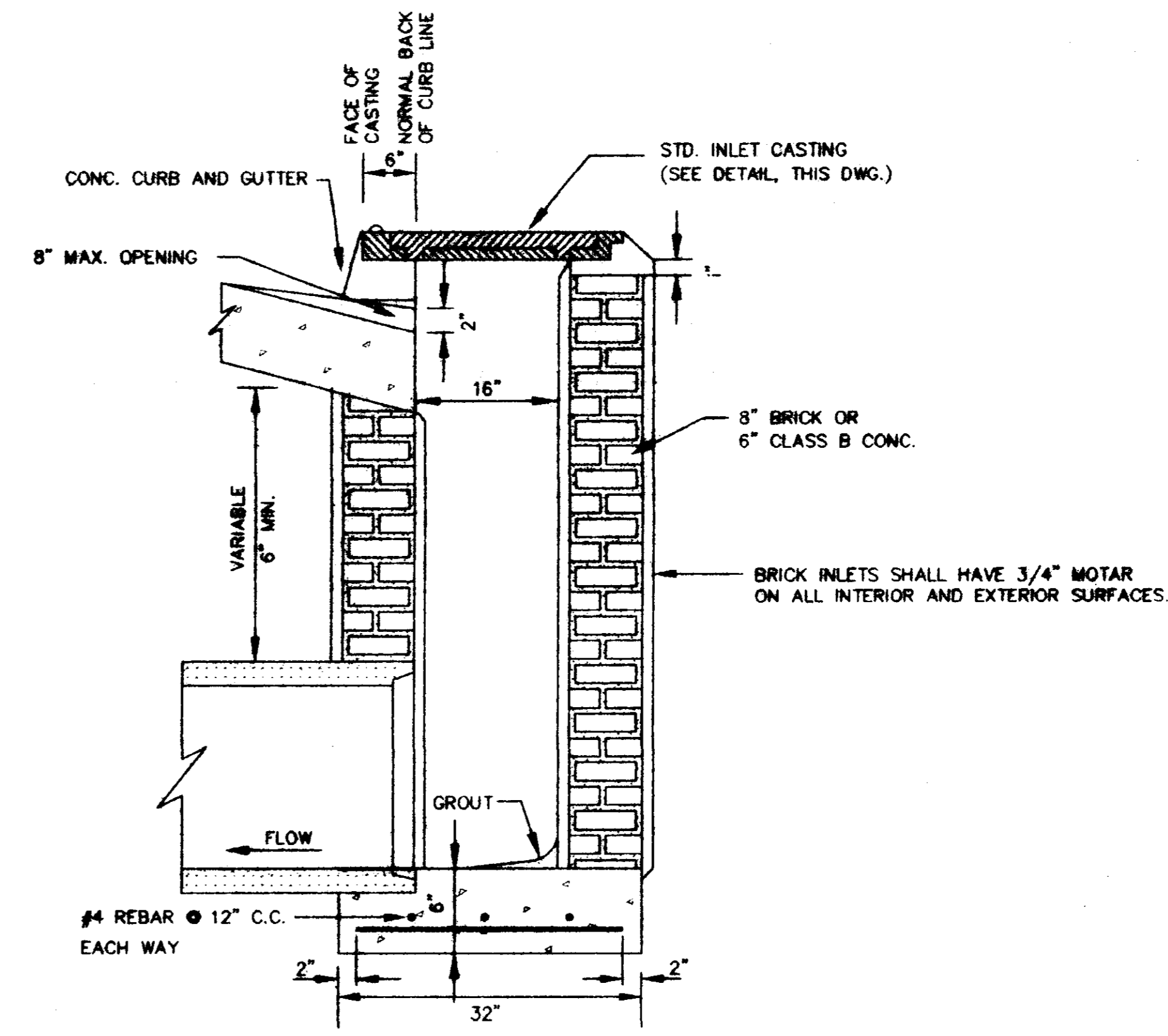


TYPICAL THRUST BLOCKING IN WATER MAINS
N.T.S.
NOTE: ALL THRUST BLOCKS SHALL BE 2,500 PSI CONCRETE AGAINST UNDISTURBED EARTH.

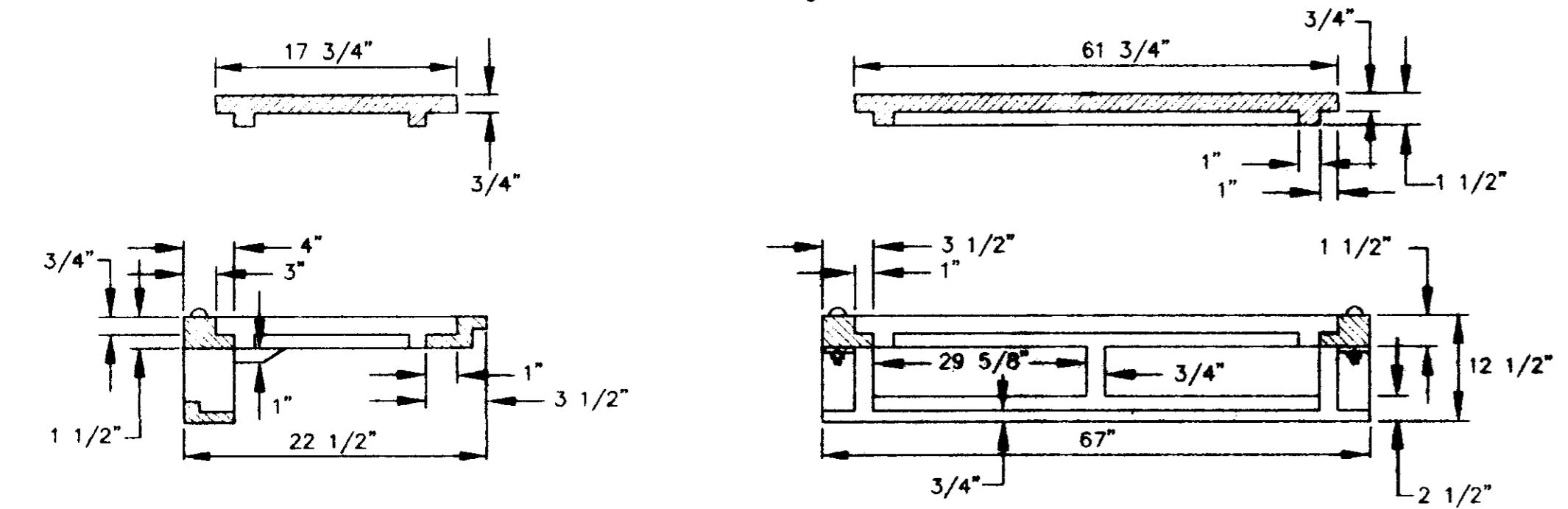
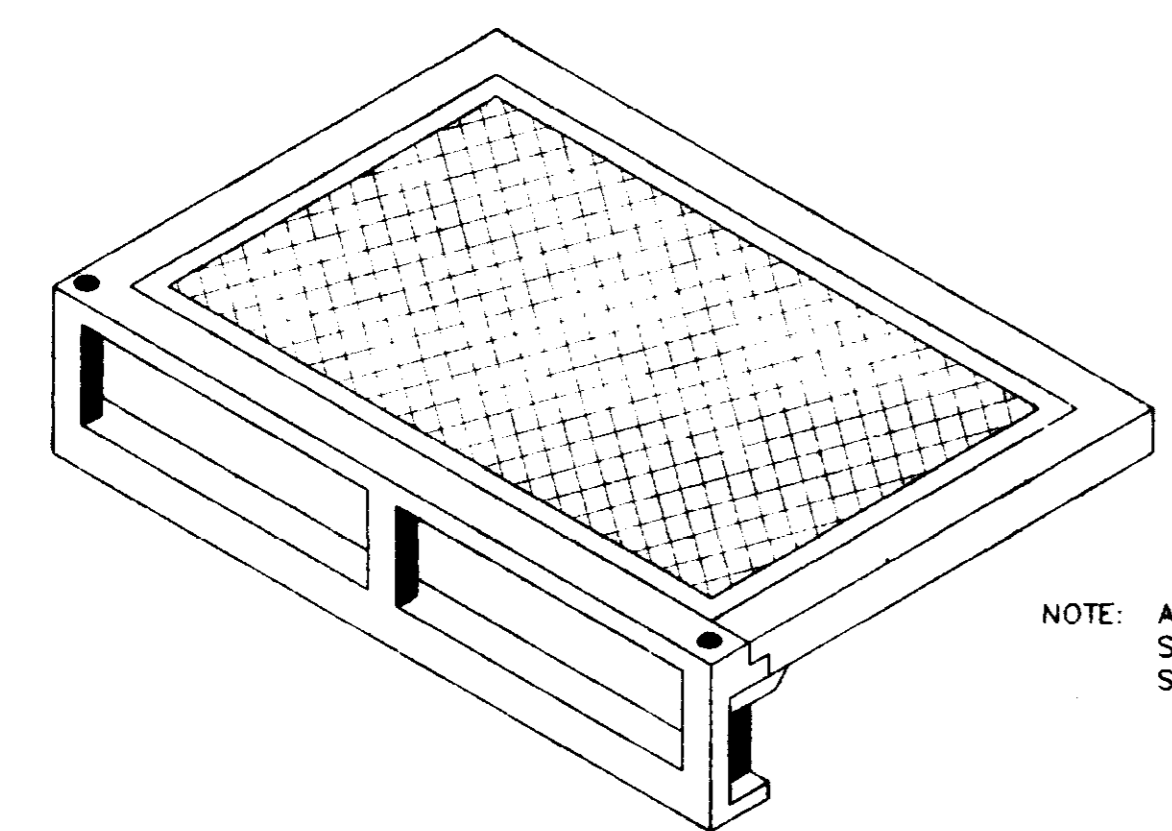




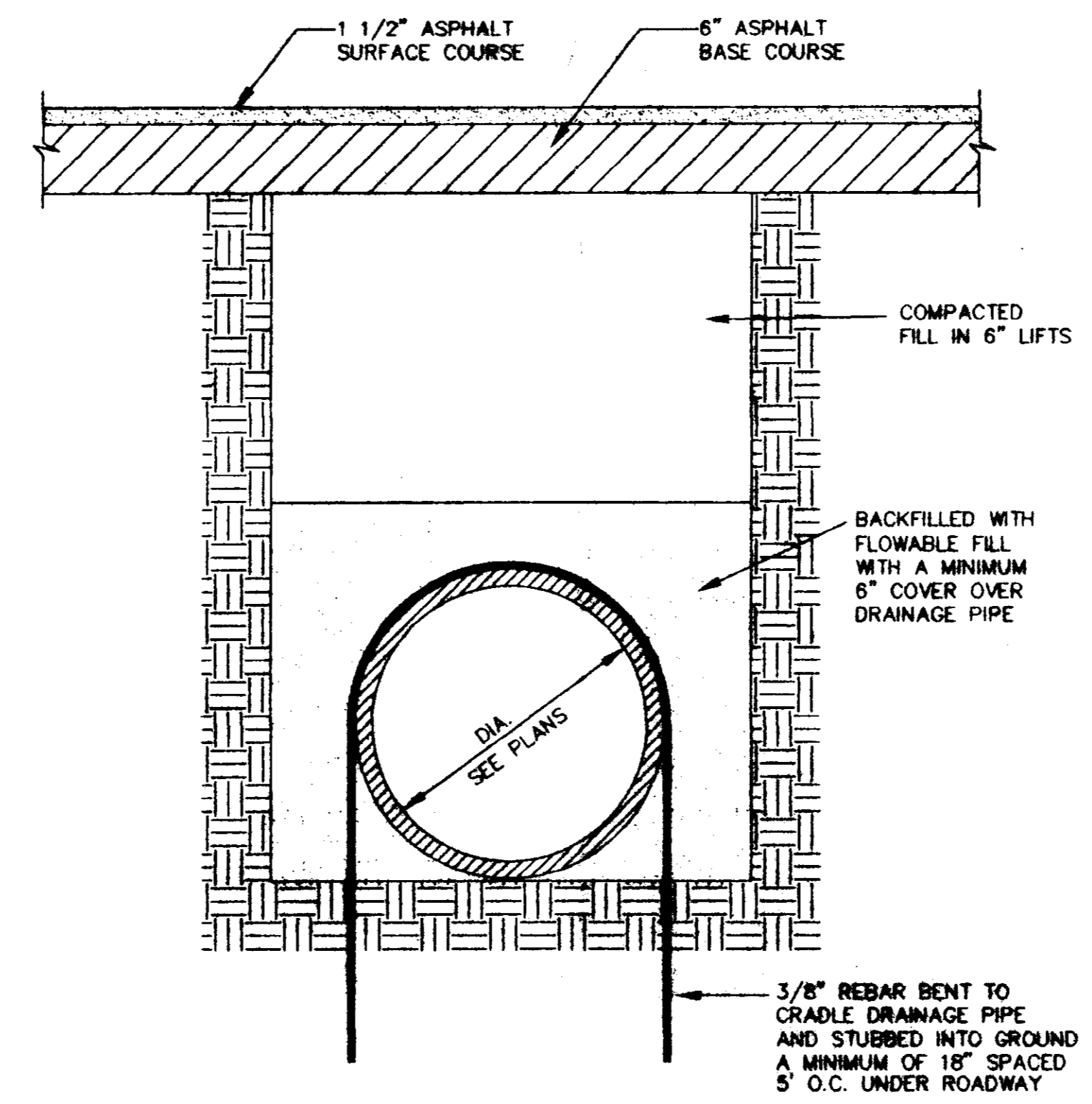
FRONT ELEVATION
INLET TYPES "A" AND "A" MODIFIED



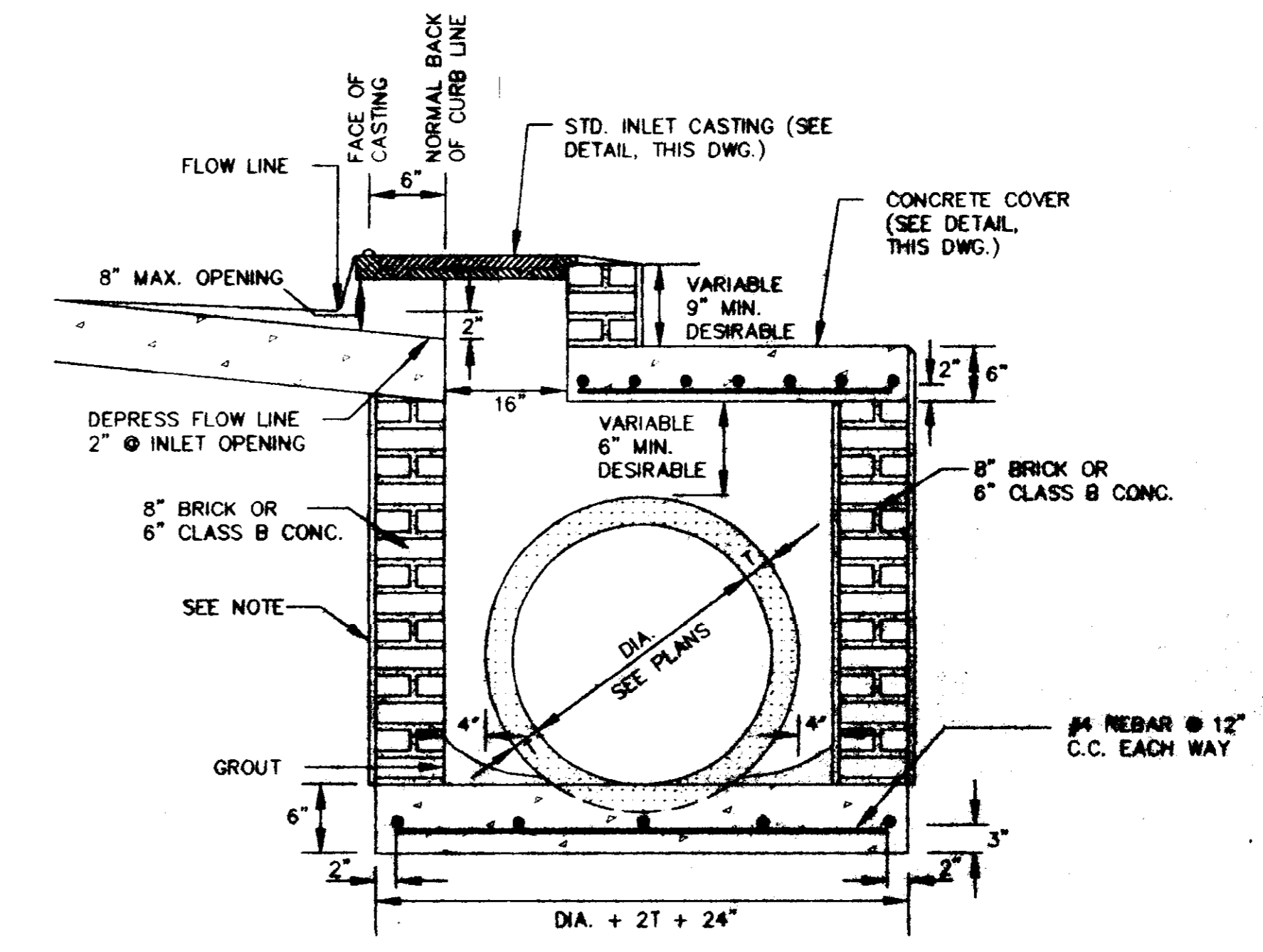
SECTION E - E
TYPE "A" INLET



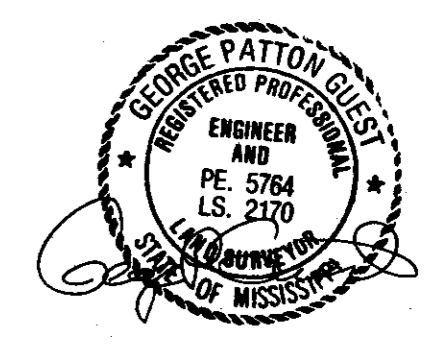
STANDARD CURB INLET CASTING
(VULCAN 4302-1)
N.T.S.



ROAD CROSSING DETAIL
N.T.S.



SECTION E - E
TYPE "A" MODIFIED



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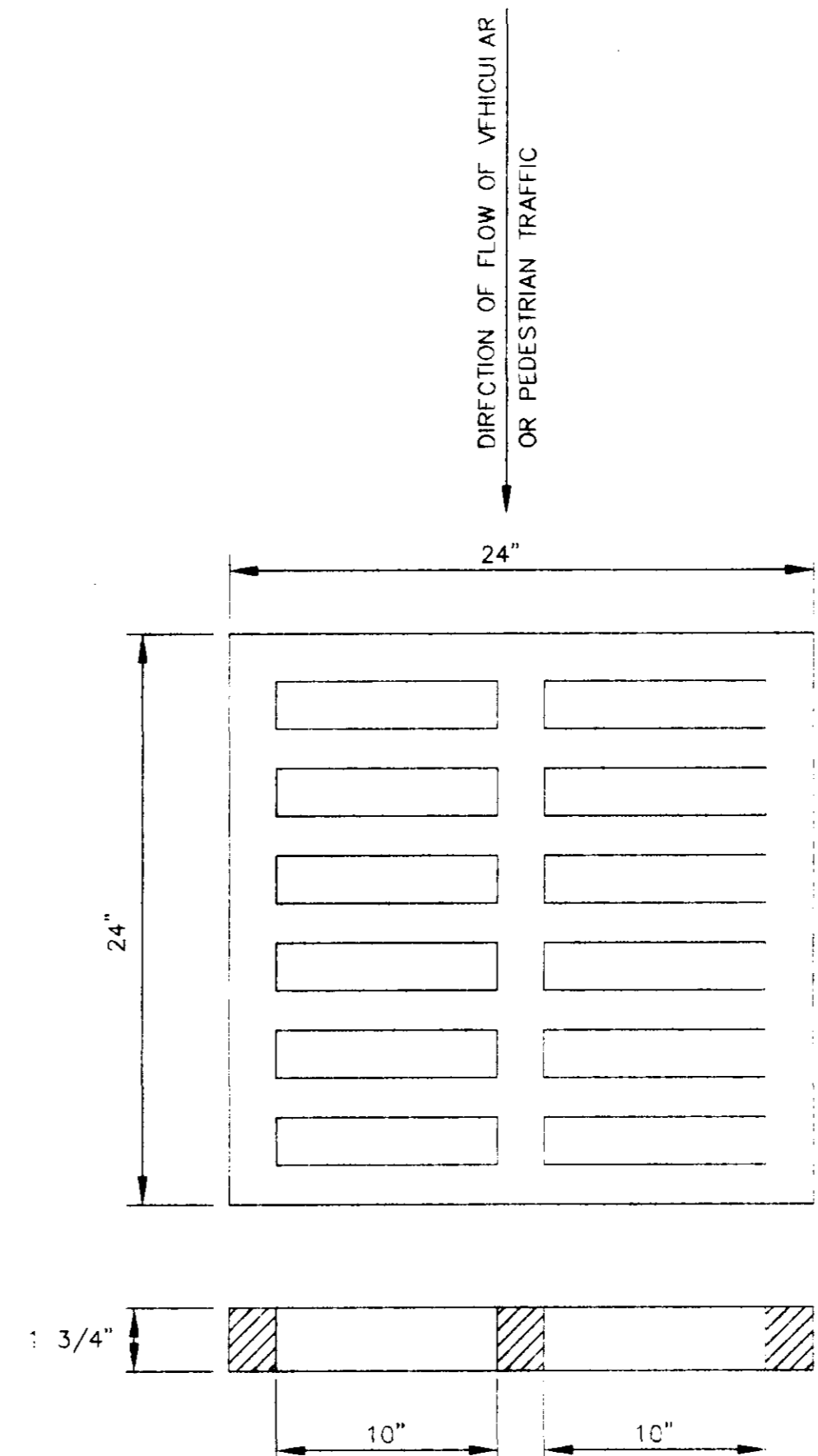
DRAWN BY: RICHARD SOMERS DATE: 5-1-98 DWG. NO.: 1568SSD	APPROVED BY: PAT QUEST PROJ. NO. G-1566	REVISIONS
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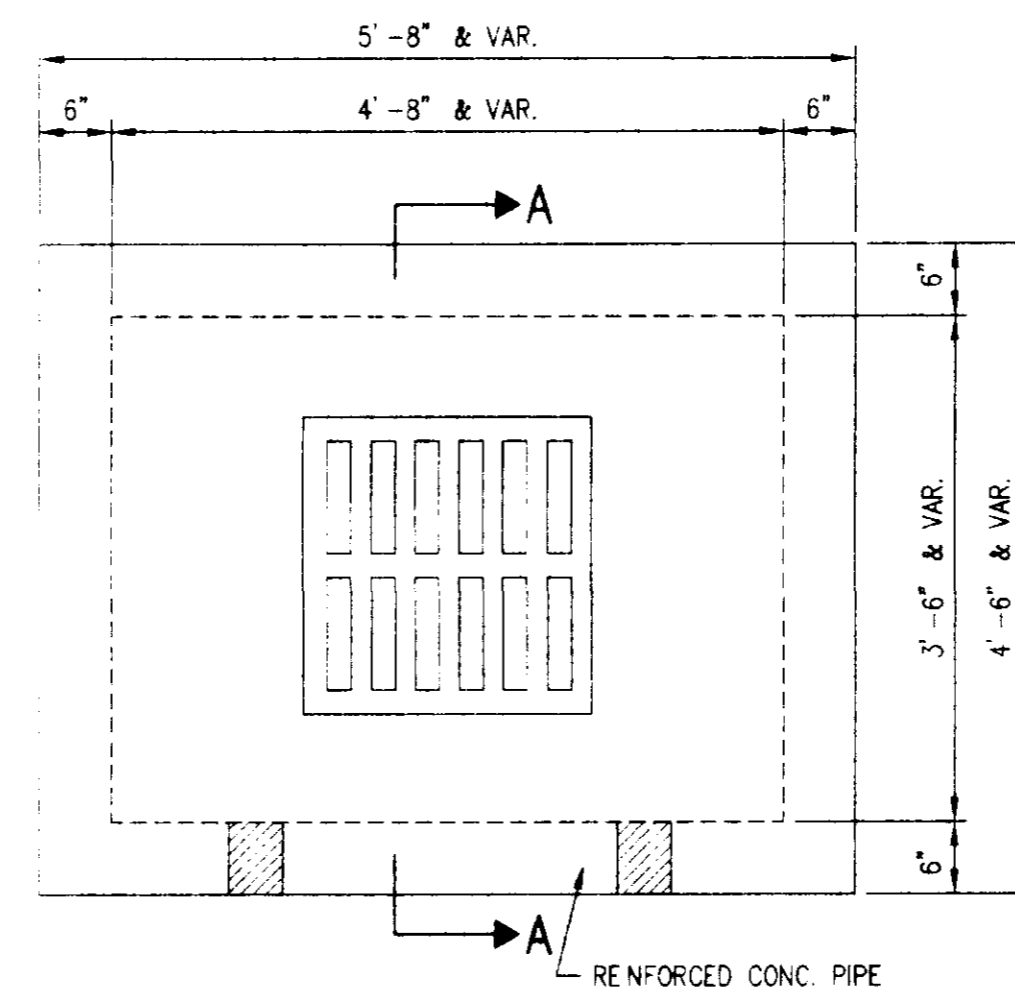
PROJECT: **OAK PARK, PHASE 1**

SHEET NAME: **STORM DRAIN DETAILS**

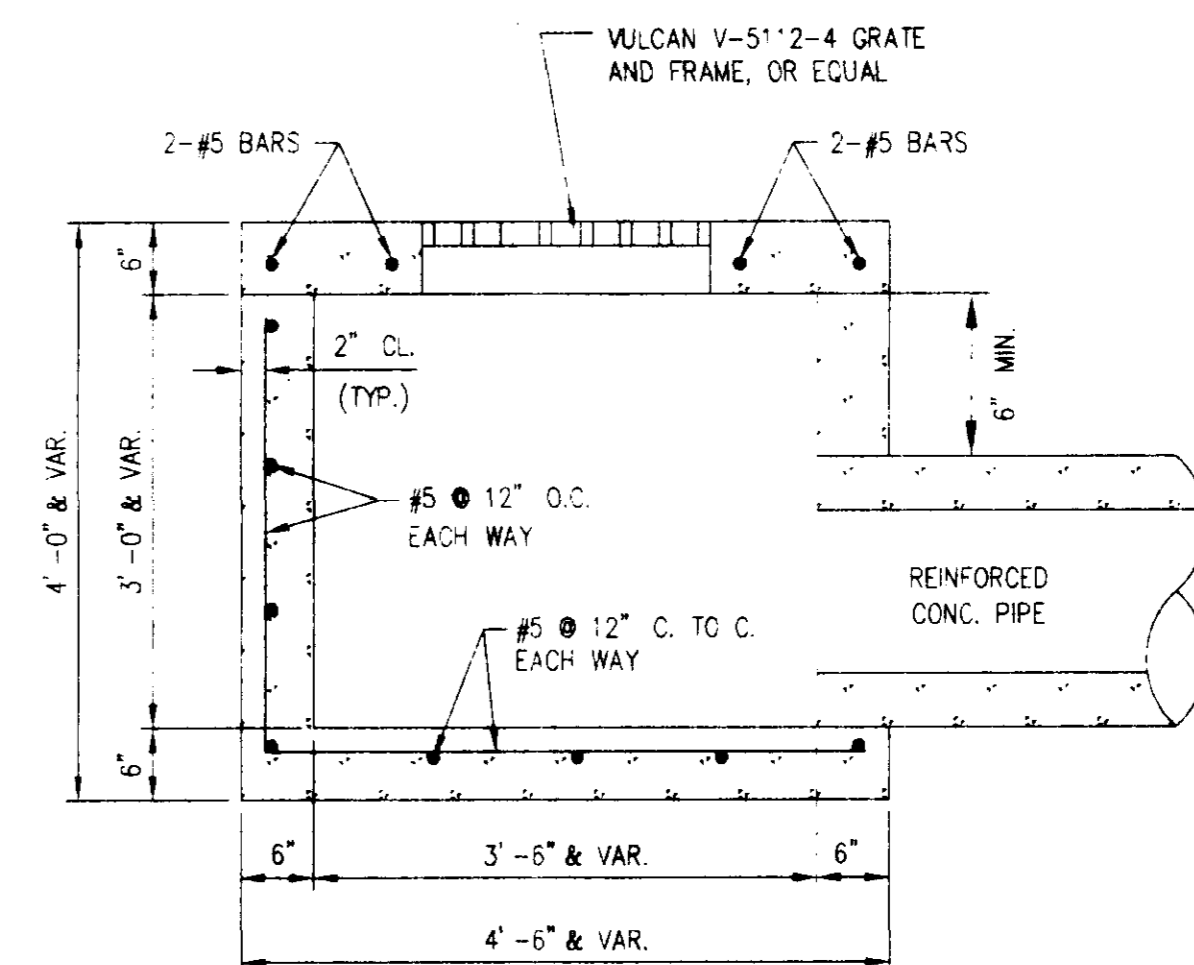
SHEET NO.: **9**



GRATE DETAIL
N.T.S.

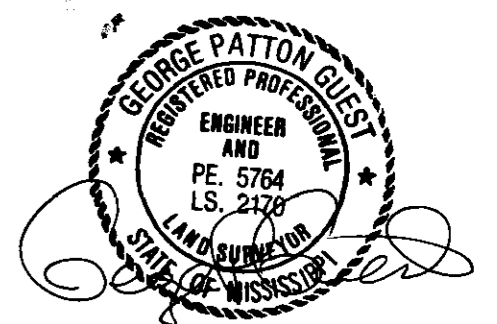


PLAN VIEW



SECTION A-A

GRATE INLET DETAIL



File name: D:\DWG\1566\PHASE1\1566GI.dwg Computer: Server

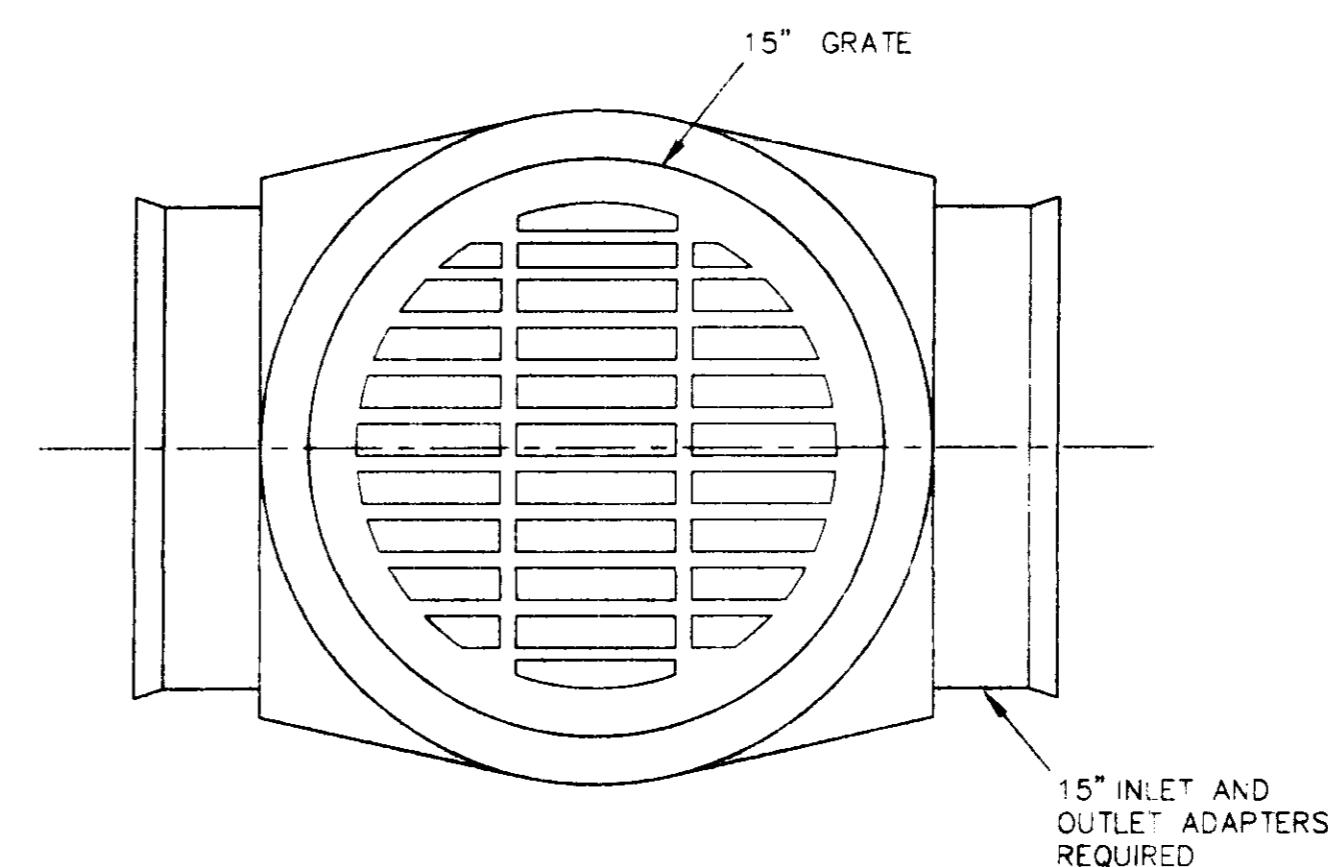
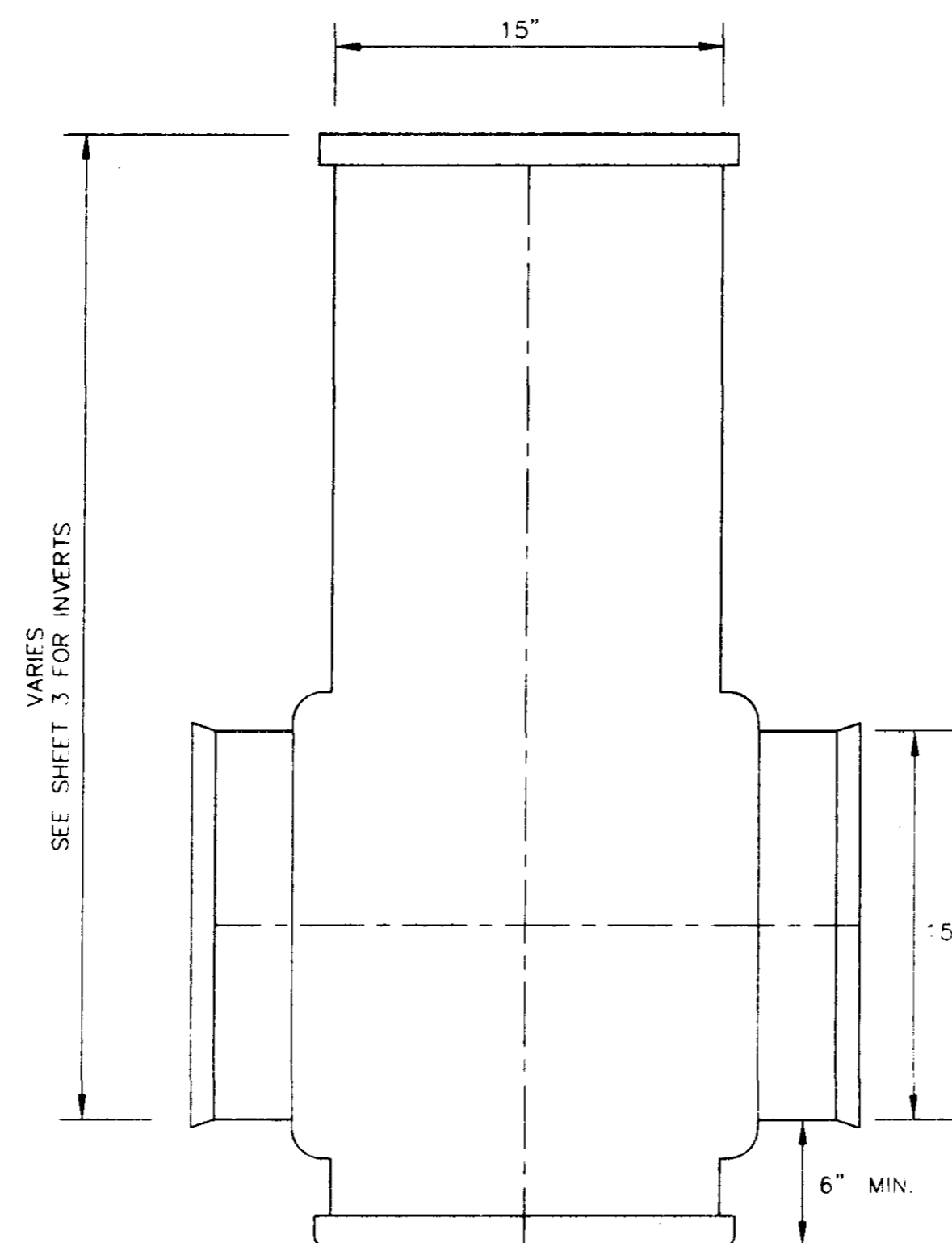
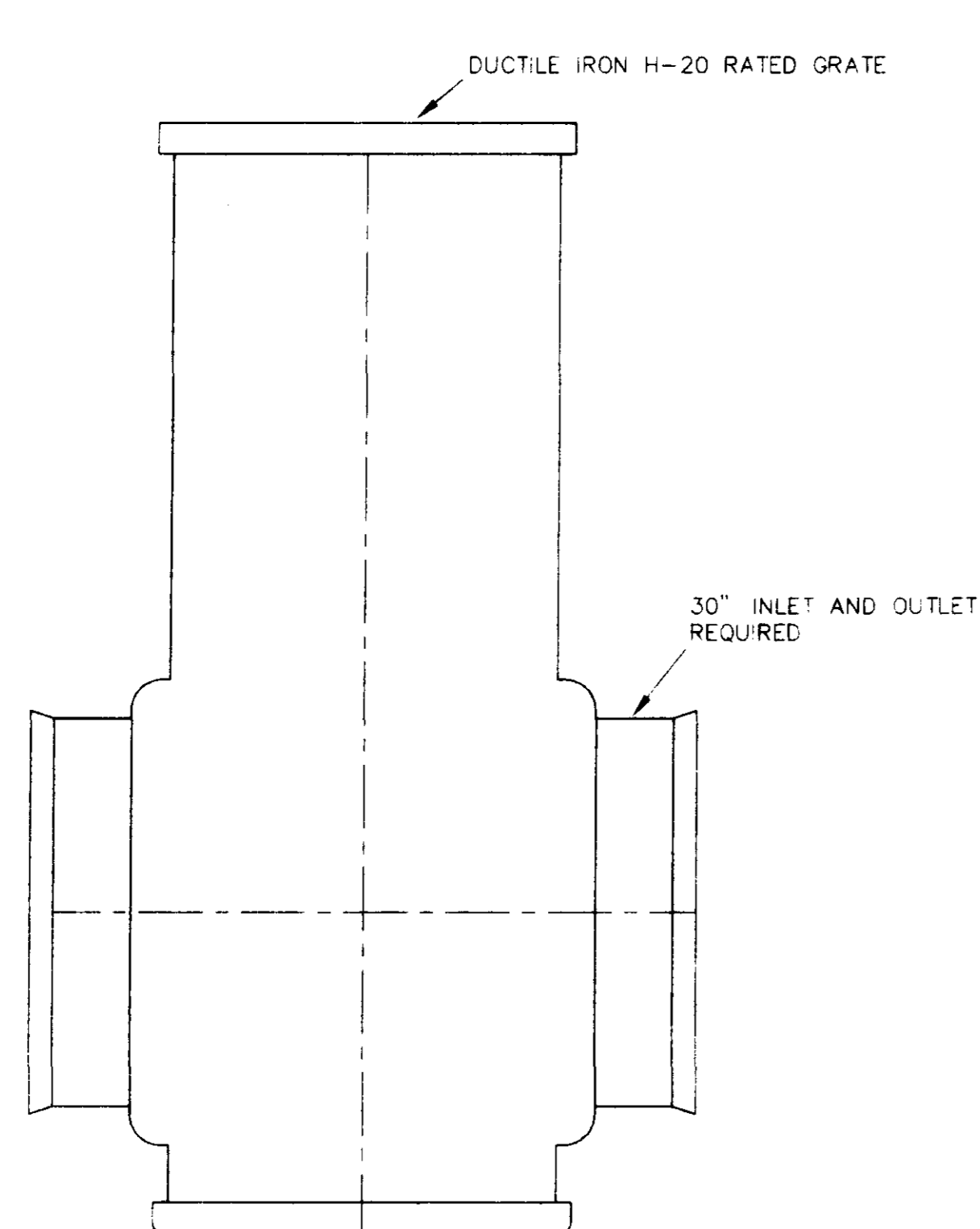
DRAWN BY: MIKE L'OVE	APPROVED BY: PAT GUEST	REVISIONS
DATE: 3-15-98	PROJ. NO. G-1566	
DWG. NO. 1566GI		

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PROJECT
OAK PARK, PHASE 1

SHT. NAME
GRATE INLET DETAIL

SHT. NO.
10



15" DRAIN BASIN

NOTES

GENERAL:

PVC SURFACE DRAINAGE INLETS SHALL INCLUDE THE INLINE DRAINS, DRAIN BASINS, AND CATCH BASINS AS INDICATED ON THE CONTRACT DRAWINGS AND REFERENCED WITHIN THE CONTRACT SPECIFICATIONS. THE CAST IRON GRATES FOR EACH OF THESE FITTINGS IS TO BE CONSIDERED AN INTEGRAL PART OF THE SURFACE DRAINAGE INLET AND SHALL BE MANUFACTURED BY THE SAME MANUFACTURER. THE SURFACE DRAINAGE INLETS SHALL BE AS MANUFACTURED BY NYLOPLAST, USA, INC. OR PROR APPROVED EQUAL.

MATERIALS

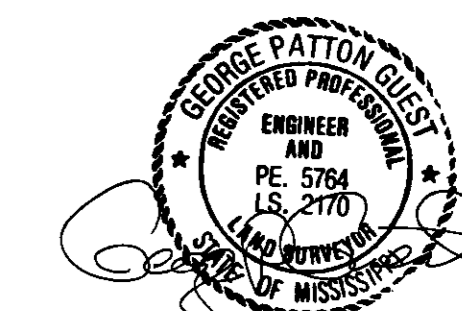
THE INLINE DRAINS, DRAIN BASINS, AND CATCH BASINS REQUIRED FOR THIS CONTRACT SHALL BE MANUFACTURED FROM PVC PIPE STOCK, UTILIZING A THERMO-MOLDING PROCESS TO REFORM THE PIPE STOCK TO THE FURNISHED CONFIGURATION. THE DRAINAGE PIPE CONNECTIONS STUBS SHALL BE MANUFACTURED FROM PVC PIPE STOCK AND FORMED TO PROVIDE A WATERTIGHT CONNECTION WITH THE PIPING SYSTEM SPECIFIED. THIS JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212. THE PIPE CONNECTION STUBS SHALL BE JOINED TO THE MAIN BODY OF THE DRAIN OR CATCH BASIN UTILIZING A WATERTIGHT, GASKETED SWEDGED-TYPE CONNECTION.

THE PIPE STOCK USED TO MANUFACTURE THE MAIN BODY AND PIPE STUBS OF THE SURFACE DRAINAGE INLETS SHALL MEET EITHER ASTM D3034 OR ASTM D679. THE SWEDGE GASKET MATERIAL AND THE GASKETS USED TO FORM THE CONNECTING JOINT WITH THE PIPE STUB SHALL MEET THE REQUIREMENTS OF ASTM F447. SURFACE DRAINAGE PRODUCTS SHALL MEET THE MECHANICAL PROPERTY REQUIREMENTS FOR FABRICATED FITTINGS AS DESCRIBED IN ASTM F794, F979, AND F1336.

THE GRATES FURNISHED FOR ALL SURFACE DRAINAGE INLETS SHALL BE CAST IRON AND SHALL BE MADE SPECIFICALLY FOR EACH FITTING. GRATES FOR 12" AND LARGER CATCH BASINS AND INLINE DRAINS SHALL BE CAPABLE OF SUPPORTING H-20 WHEEL LOADING. METAL USED IN THE MANUFACTURE OF THE CASTINGS SHALL CONFORM TO ASTM A-48-83 CLASS 30B FOR GRAY IRON. THE CASTINGS SHALL BE FURNISHED WITH A BLACK PAINT.

INSTALLATION

THE SPECIFIED PVC SURFACE DRAINAGE INLETS SHALL BE INSTALLED USING CONVENTIONAL FLEXIBLE PIPE BACKFILL MATERIALS AND PROCEDURES. THE BACKFILL MATERIAL SHALL BE CRUSHED STONE OR OTHER GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CLASS 1 OR 2 MATERIAL AS DEFINED IN ASTM D2321. THE SURFACE DRAINAGE INLETS SHALL BE BEDDED AND BACKFILLED UNIFORMLY IN ACCORDANCE WITH ASTM D2321.



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DRAWN BY: MIKE LOVE	APPROVED BY: PAT GUEST
DATE: 8-15-98	PROJ. NO.: 9-1566
DWG. NO.: N-01-01	

REVISIONS

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PROJECT: OAK PARK PHASE 1

SHT. NAME: PLASTIC STORM DRAIN DETAILS

SHT. NO.: 11