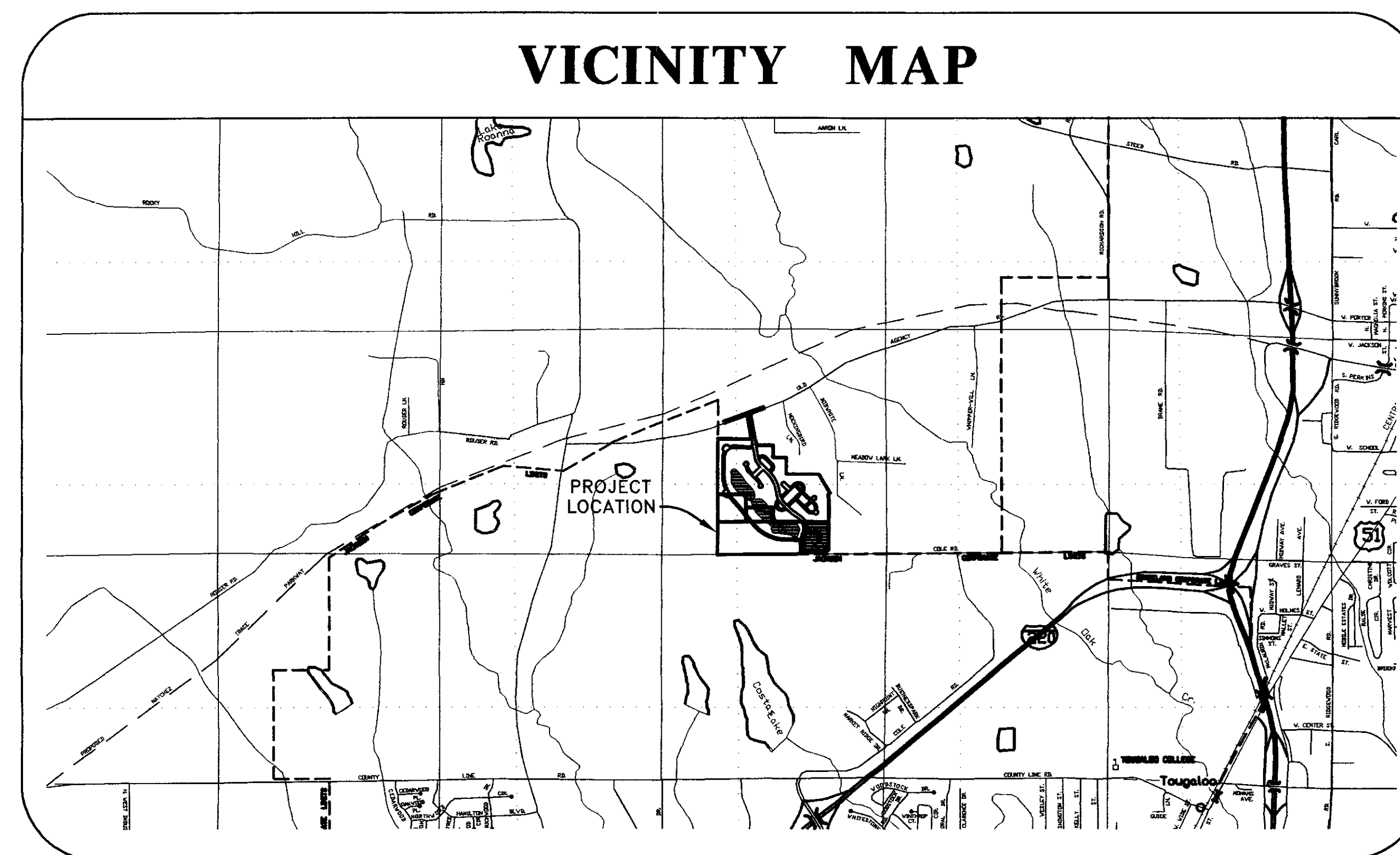


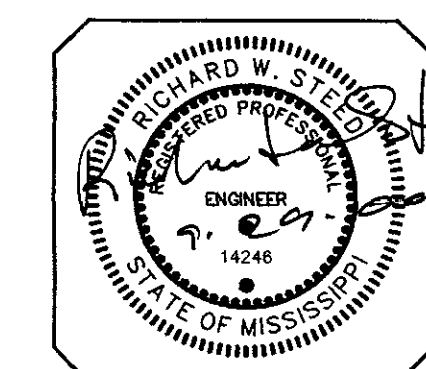
CONSTRUCTION PLANS
 FOR
HIGHLAND PARK OF RIDGELAND
PHASE ONE, PART ONE
RIDGELAND, MISSISSIPPI

FOR
TRAVIS PROPERTIES, L.L.C.
111 MOCKINGBIRD LN.
RIDGELAND, MISSISSIPPI 39157



HARRIS & STEED, INC.
 Consulting Engineers
 Jackson, Mississippi
 3003 LAKELAND COVE, SUITE C, JACKSON, MS 39208
 PH. (601) 664-0388 • FAX. (601) 664-0389

OFFICE COPY
 PLANNING DEPT
 Public Works Director *SV*
 Building Official *OK*
 Traffic Engineer *OK*
 Drainage Engineer
 Fire Official *OK*
 Site plans will be referred to the
 Architect or the
 Mayor or Aldermen prior to
 the above review.



RECEIVED
 OCT 06 2000
 PUBLIC WORKS DEPT

JUNE 23, 2000

J99-032

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Chese

RECORD DRAWING
THESE DRAWINGS SHOW AS BUILT
LOCATIONS OF WATER AND SEWER
SYSTEMS ONLY.

BY: *rw* DATE: *9/6/2000*
PWP-00840

DRAWN BY: D.A.G.
 CHECK BY: R.W.S.
 DATE: 06/23/00
 REV.: _____

NOTES

1. ALL FINISH SPOT ELEVATIONS REPRESENT BASE OF CURB ELEVATIONS
2. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AT ALL TIMES
3. OWNER SHALL BE RESPONSIBLE FOR GRADING OF PARCELS TO ENSURE POSITIVE DRAINAGE AS INDICATED
4. BEFORE UNDERTAKING EACH PART OF THE WORK, THE CONTRACTOR SHALL CAREFULLY STUDY AND COMPARE THE PLANS & SPECIFICATIONS AND CHECK AND VERIFY PERTINENT FIGURES SHOWN THEREON AND ALL APPLICABLE FIELD MEASUREMENTS. IF ANY CONFLICTS, ERRORS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED EITHER ON THE CONSTRUCTION DOCUMENTS OR IN THE FIELD CONDITIONS, THE CONTRACTOR SHALL PROMPTLY REPORT IN WRITING TO THE ENGINEER OR HIS REPRESENTATIVE, AND SHALL OBTAIN A WRITTEN INTERPRETATION OR CLARIFICATION FROM THE ENGINEER OR HIS REPRESENTATIVE BEFORE PROCEEDING WITH ANY WORK AFFECTED THEREBY.

LOCAL UTILITY COMPANIES

1. WATER AND SEWER - PUBLIC WORKS DEPT. (601) 856-3938
2. GAS SERVICE - ENTEX (601) 856-9348
3. TV CABLE SERVICE - DBS WIRELESS CABLE (601) 856-8890
4. ELECTRICAL SERVICE - ENTERGY 1-800-368-3749
5. TELEPHONE SERVICE - BELLSOUTH 557-6000
6. CONTRACTOR SHALL CALL (MISSISSIPPI ONE CALL SYSTEM INC.) BEFORE CONSTRUCTION (601) 362-4374

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES / DRAWING INDEX
- 3 PROJECT OVERLAY
- 4 STREET AND LOT LAYOUT
- 5 WATER AND SEWER LAYOUT
- 6 GRADING AND DRAINAGE LAYOUT
- 7 PLAN AND PROFILE - HIGHLAND PARK BOULEVARD
- 8 PLAN AND PROFILE - HIGHLAND PARK COVE
- 9 EROSION AND SEDIMENT CONTROL PLAN
- 10 SANITARY SEWER DETAILS
- 11 WATER DETAILS
- 12 GRADING AND DRAINAGE DETAILS

DEMOLITION NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ANY AND ALL EXISTING STRUCTURES DESIGNATED TO BE REMOVED WITHIN THE PROPERTY LIMITS, INCLUDING BUT NOT LIMITED TO STRUCTURES, FOUNDATIONS, ALL EXISTING PAVEMENTS AND DRIVEWAYS, EXISTING FENCES, UTILITIES AND DEBRIS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES THAT MIGHT OCCUR TO IMPROVEMENTS SHOWN HEREON TO REMAIN.
3. CONTRACTOR SHALL REMOVE ALL DEBRIS FROM THE SITE THAT IS FOUND TO EXIST PRIOR TO HIS WORK OR THAT IS GENERATED AS A RESULT OF HIS WORK. DEBRIS SHALL CONSIST OF ANY MATERIAL OTHER THAN SOIL.
4. CONTRACTOR WILL NOT BE RESPONSIBLE FOR DEMOLISHING OR REMOVING ANY EXISTING ABOVE OR BELOW GROUND TELEPHONE OR POWER BUT SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH ALL LOCAL UTILITY COMPANIES.

5. CONTRACTOR SHALL CALL THE MISSISSIPPI DAMAGE PREVENTION NUMBER (1-601-362-4374) BY LAW TO LOCATE ALL EXISTING UTILITIES ON SITE PRIOR TO HIS WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITIES NOT DESIGNATED TO BE REMOVED UNDER THIS CONTRACT AND BE RESPONSIBLE FOR ANY AND ALL DAMAGES TO EXISTING UTILITIES NOT DESIGNATED TO BE REMOVED THAT RESULT FROM CONTRACTOR'S WORK.

6. REMOVAL OF ALL POWER LINES, POLES, AND APPURTENANCES SHALL BE BY LOCAL UTILITY COMPANY.

7. LIMITS OF CLEARING AND GRUBBING SHALL BE PROPERTY LINES, UNLESS SPECIFICALLY DESIGNATED OTHERWISE.

8. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL CONSTRUCTION PERMITS THAT ARE REQUIRED TO ACCOMPLISH THE WORK SPECIFIED HEREON.

GRADING

1. GENERAL: IT IS THE RESPONSIBILITY OF THE BUILDING CONTRACTOR TO ESTABLISH A FINISHED GRADE TO ELEVATIONS SHOWN. THE OWNER AT HIS OWN EXPENSE MAY TEST INPLACE MATERIAL FOR ACCEPTANCE. THE BUILDING CONTRACTOR SHALL NOTIFY THE OWNER WHEN FINISH GRADE IS ESTABLISHED AND SHALL NOT PROCEED UNTIL FINAL ACCEPTANCE BY OWNER.

2. REFERENCE POINTS: THE CONTRACTOR SHALL LOCATE BENCHMARKS, MONUMENTS AND OTHER REFERENCE POINTS FOR ELEVATION AND LOCATION OF BUILDING. NOTIFY OWNER'S SITE REPRESENTATIVE OF APPARENT DISCREPANCIES IN INDICATED LOCATIONS. PROTECT REFERENCE POINTS FROM DISLOCATION OR DAMAGE. REPLACE OR REPAIR IMMEDIATELY ANY POINTS DAMAGED, DESTROYED OR DISLOCATED. DO NOT PROCEED WITH CONSTRUCTION WORK UNTIL REFERENCE POINTS HAVE BEEN REVIEWED AND ACCEPTED BY THE OWNER'S SITE REPRESENTATIVE.

3. CLEAN-UP: UPON COMPLETION OF WORK OF THIS SECTION, REMOVE FROM PREMISES, AND DISPOSE OF ALL RELATED DEBRIS, EXCESS MATERIAL, IMPLEMENT GRASSING OPERATIONS AND TURF ESTABLISHMENT IN AREA INDICATED TO BE GRADED OR STRIPPED.

4. SITE GRADING: PROOF ROLLING WITH A LOADED TRUCK OR SCRAPER WILL BE PERFORMED TO LOCATE POTENTIAL SOFT SPOTS IN THE SUBGRADE AND/OR NATURAL GROUND BEFORE ANY FILL IS PLACED. SOFT SPOTS WILL BE REMOVED AND REPLACED WITH COMPACTED STABLE SANDY CLAY (CL). THE TOP 6 INCHES OF NATURAL GROUND WILL BE SCARIFIED AND COMPACTED TO 98% ASTM D-698 PRIOR TO FILL PLACEMENT. CUT OR FILL AND MACHINE GRADE SITE AS SHOWN ON THE DRAWINGS TO DRAIN AS INDICATED, ALLOWING FOR THE THICKNESS OF PAVING SUBBASE AND THE PAVING. WHERE FILL IS REQUIRED, USE LABORATORY APPROVED SUITABLE CLEAN MATERIAL. PLACE IN HORIZONTAL LIFTS NOT IN EXCESS OF 8 INCHES THICK AFTER COMPACTION BY ROLLING AND/OR TAMPING TO 95% OF MAXIMUM DENSITY WITHIN 2% OF OPTIMUM MOISTURE CONTENT. ALL EARTHWORK WILL BE IN ACCORDANCE WITH SUBSURFACE INVESTIGATION REPORT AS PROVIDED BY THE OWNER.

5. MATERIALS FOR FILLING AND BACKFILLING: FILL AND BACKFILL MATERIAL WILL HAVE PROPERTIES TO ALLOW COMPACTION BY ROLLING AND TAMPING TO A DENSITY EQUAL TO 95% OF MAXIMUM DENSITY WITHIN ±2% OF OPTIMUM MOISTURE CONTENT AS DETERMINED BY TEST METHODS DESCRIBED IN ASTM D698, LATEST EDITION, "MOISTURE DENSITY RELATIONSHIP OF SOILS". IF EXCAVATED MATERIAL IS UNSUITABLE FOR COMPACTION AS DETERMINED BY THE SOILS TESTING LABORATORY, FURNISH SUITABLE BORROW, WHICH CAN BE COMPACTED, FROM AN OFF-SITE SOURCE. ALL FILL AND BACKFILL MATERIALS SHALL BE OF LOW EXPANSIVITY, UNIFORM IN GRADE, FREE FROM ORGANIC MATERIAL, AND CONSIST OF A SOIL BEING PLACED AND HAVING THE FOLLOWING CHARACTERISTICS:
 THE FILL MATERIAL PLACED IN THE EXCAVATION SHOULD BE SANDY CLAY MIXTURE MEETING THE SPECIFICATIONS OF CLASS 5, GROUP D AS PER THE "MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" LATEST EDITION.

6. BEFORE UNDERTAKING EACH PART OF THE WORK, THE CONTRACTOR SHALL CAREFULLY STUDY AND COMPARE THE PLANS AND SPECIFICATIONS AND CHECK AND VERIFY PERTINENT FIGURES SHOWN THEREON AND ALL APPLICABLE FIELD MEASUREMENTS. IF ANY CONFLICTS, ERRORS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED EITHER ON THE CONSTRUCTION DOCUMENTS OR IN THE FIELD CONDITIONS, THE CONTRACTOR SHALL PROMPTLY REPORT IN WRITING TO THE ENGINEER OR HIS REPRESENTATIVE AND SHALL OBTAIN A WRITTEN INTERPRETATION OR CLARIFICATION FROM THE ENGINEER OR HIS REPRESENTATIVE BEFORE PROCEEDING WITH ANY WORK AFFECTED THEREBY.

UTILITIES

1. CARE SHALL BE TAKEN TO PROTECT EXISTING AND NEW UTILITIES FROM DAMAGE. DAMAGE TO UTILITIES DURING CONSTRUCTION SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE BEFORE ACCEPTANCE.

2. POLYVINYL CHLORIDE (PVC) SEWER PIPE SHALL BE SDR 26 CONFORMING TO THE LATEST EDITION OF ASTM STANDARD D-3034 AND ASTM F679. THE THERMOPLASTIC MATERIAL SHALL BE VIRGIN, RIGID PVC PLASTIC CONFORMING TO ASTM D1784 FOR A MINIMUM CELL CLASS OF 12454-C (PVC TYPE 1). PIPE JOINTS SHALL BE OF INTEGRAL BELL AND SPIGOT TYPE WITH FLEXIBLE ELASTOMERIC SEALS CONFORMING TO THE LATEST EDITION OF ASTM D-3212. ELASTOMERIC SEALS SHALL CONFORM TO THE LATEST EDITION OF ASTM F-477. LUBRICANT AS RECOMMENDED BY THE PIPE MANUFACTURER SHALL BE USED WHEN COMPLETING JOINTS.

3. ALL NEW WATER MAIN SHALL BE D.I.P. FOR 12" OR LARGER AND FOR 10" OR SMALLER PVC, C900 AWWA APPROVED. CONNECTION OF PROPOSED WATER LINES TO THE EXISTING WATER MAIN SHALL BE COORDINATED THROUGH UTILITY COMPANY REPRESENTATIVES. ALL TAPS IMPACT FEES ALONG WITH METER VAULT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

4. MANHOLES SHALL BE CONSTRUCTED TO PRECAST MANHOLE SECTIONS OR CAST-IN-PLACE CONCRETE AT THE CONTRACTOR'S ELECTION, UNLESS OTHERWISE SPECIFIED. THE CONSTRUCTION SHALL ALSO INCLUDE THE NECESSARY EXCAVATION, ECCENTRIC CONE SECTIONS, FRAMES, COVERS, CASTINGS, FITTINGS, STEPS, VENTS (IF REQUIRED) AND CONNECTIONS ALL INSTALLED OR CONSTRUCTED IN ACCORDANCE WITH THESE SPECIFICATIONS AND CONFORMING TO REQUIREMENTS, DETAILS, LINES, GRADES AND DIMENSIONS SHOWN ON THE DRAWINGS OR ESTABLISHED BY THE ENGINEER. EXCAVATION FOR MANHOLES SHALL BE SUFFICIENT TO PERMIT THE CARRYING OUT OF THE CONSTRUCTION AS REQUIRED. CARE SHALL BE TAKEN NOT TO EXCAVATE FOR THE MANHOLES BELOW THE DEPTH SPECIFIED. SPACE SO EXCAVATED THROUGH ERROR OR NEGLECT SHALL BE REFILLED WITH CONCRETE AT THE CONTRACTOR'S EXPENSE. IF EXTRA DEPTH OF EXCAVATION IS NECESSITATED BY THE NATURE OF THE SOIL AND IS ORDERED BY THE ENGINEER, THE CONTRACTOR WILL BE PAID FOR THE SELECTED FILL MATERIAL AT THE CONTRACT UNIT PRICES. DURING CONSTRUCTION OF THE JUNCTION BOXES, THE EXISTING STORM WATER FLOW SHALL BE MAINTAINED IN A MANNER ACCEPTABLE TO THE ENGINEER.

5. EACH LOT UTILITY CONNECTION WILL CONFORM TO THE CITY OF RIDGELAND REGULATIONS.

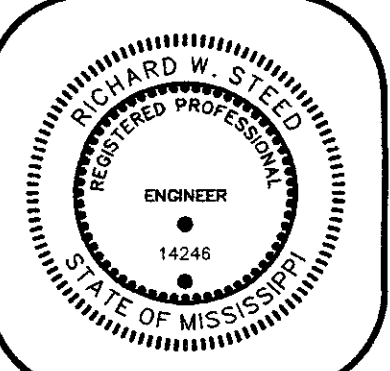
6. MAGNETIC TAP SHALL BE INSTALLED ABOVE ALL PVC WATER MAINS.

Sheet Title

GENERAL NOTES / DRAWING INDEX

Project Title

HIGHLAND PARK OF RIDGELAND
 PHASE I
 RIDGELAND, MISSISSIPPI



HARRIS & STEED, INC.
 Consulting Engineers
 Jackson, Mississippi
 3003 LAKELAND COVE, SUITE C, JACKSON, MS 39208
 PH. (601) 664-0388 • FAX: (601) 664-0389

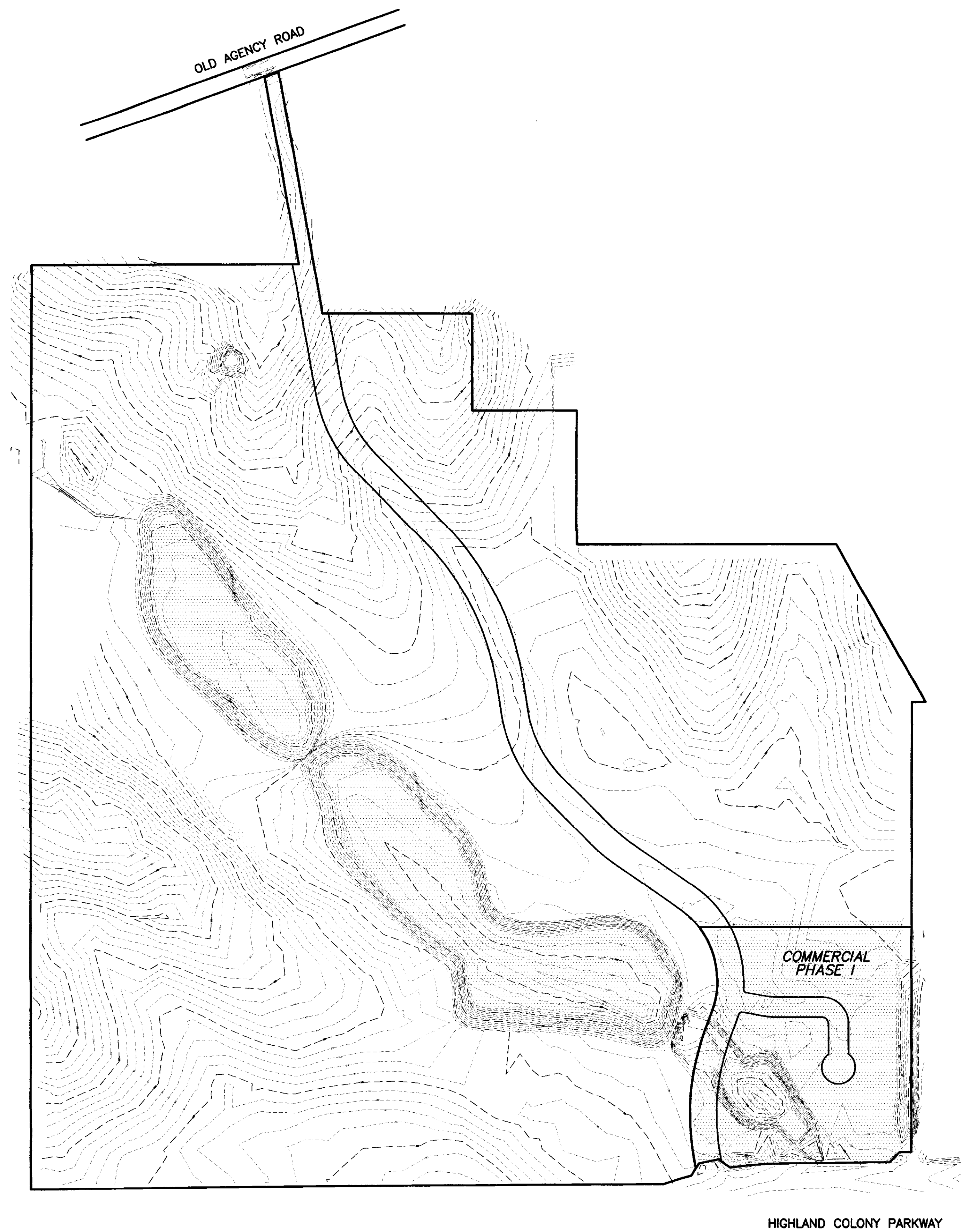
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RECORD DRAWING
 THESE DRAWINGS SHOW AS BUILT
 LOCATIONS OF WATER AND SEWER
 SYSTEMS ONLY.

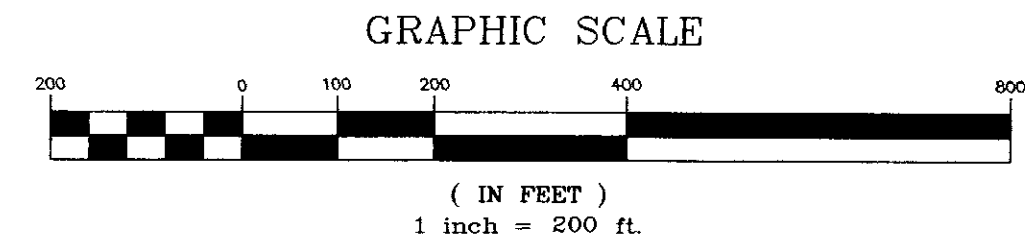
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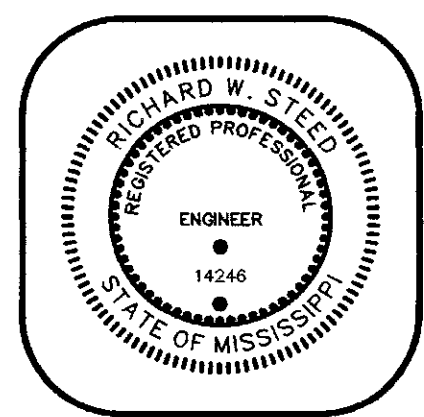
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DRAWN BY: D.A.G.
 CHECK BY: R.W.S.
 DATE: 06/23/00
 REV.: _____

Sheet Title
PROJECT OVERLAY

Project Title
**HIGHLAND PARK OF RIDGELAND
 PHASE I
 RIDGELAND, MISSISSIPPI**



HARRIS & STEED, INC.
 CONSULTING ENGINEERS
 JACKSON, MISSISSIPPI
 3003 LAKELAND COVE • SUITE C • JACKSON, MS 39208
 PH. (601) 664-0388 • FAX. (601) 664-0389

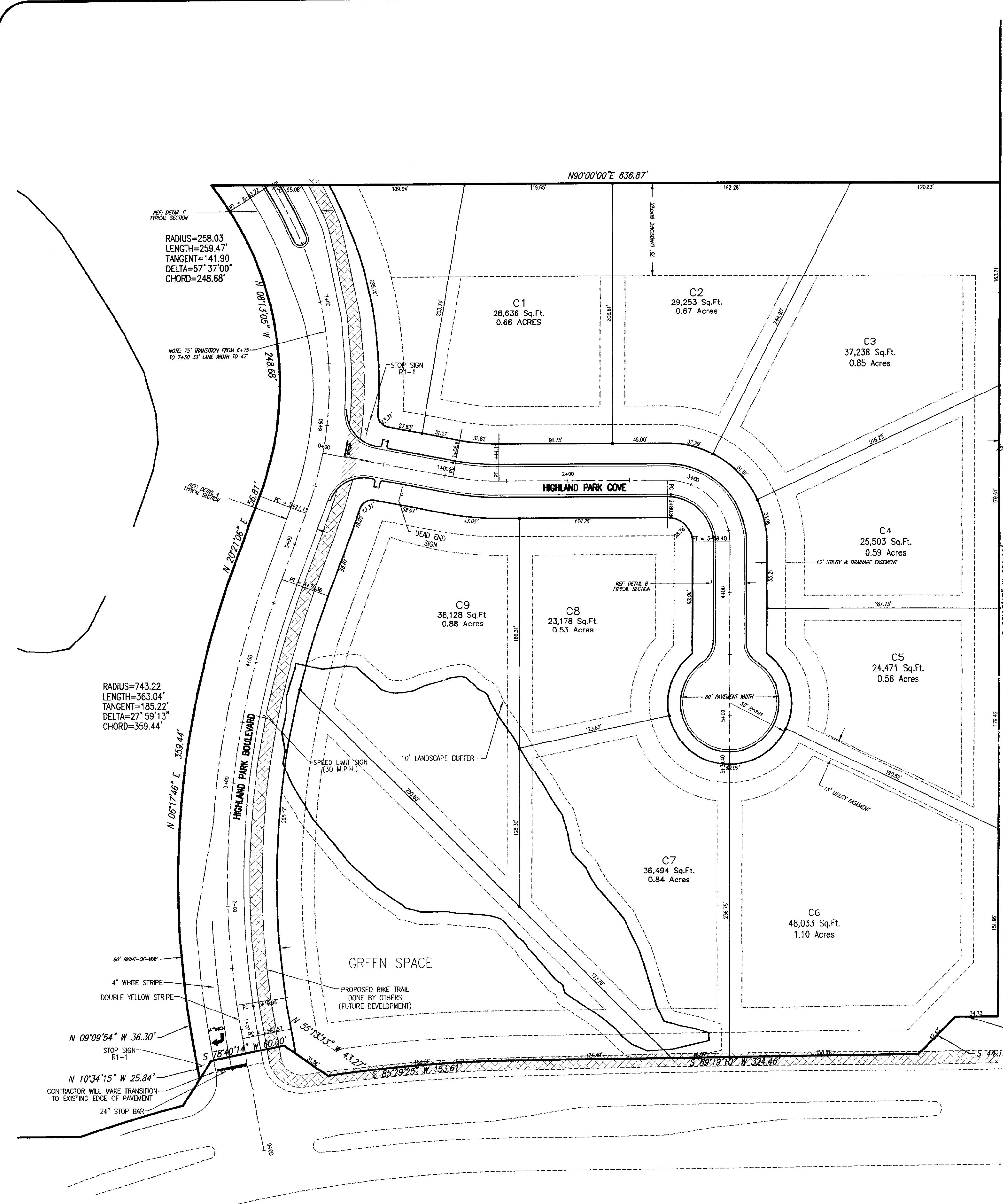
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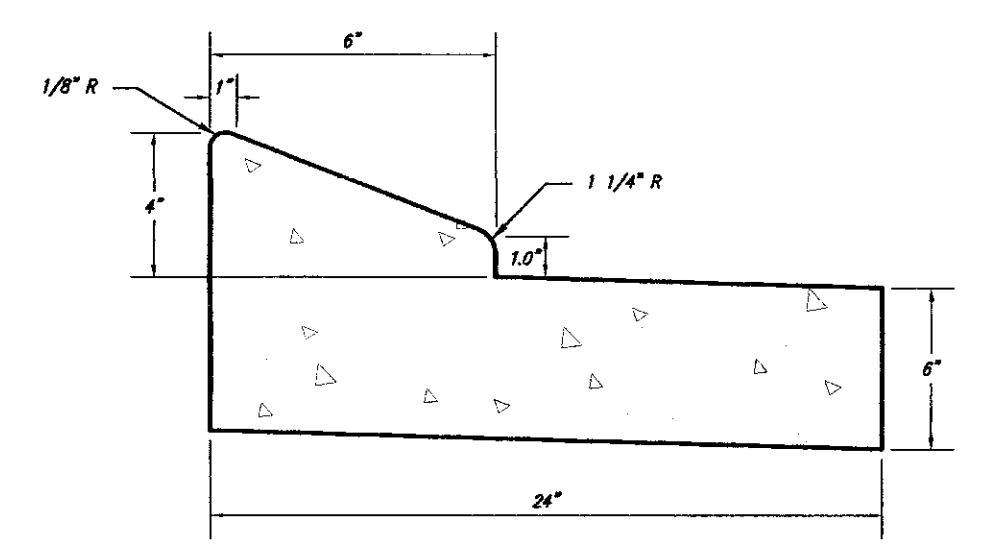
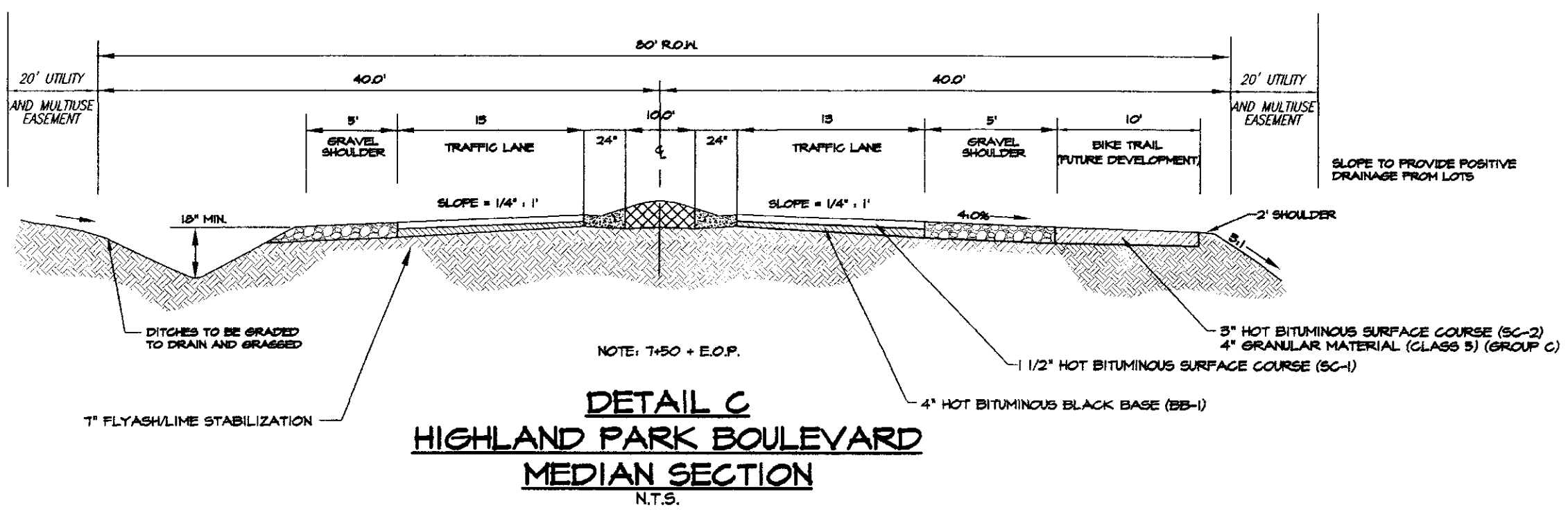
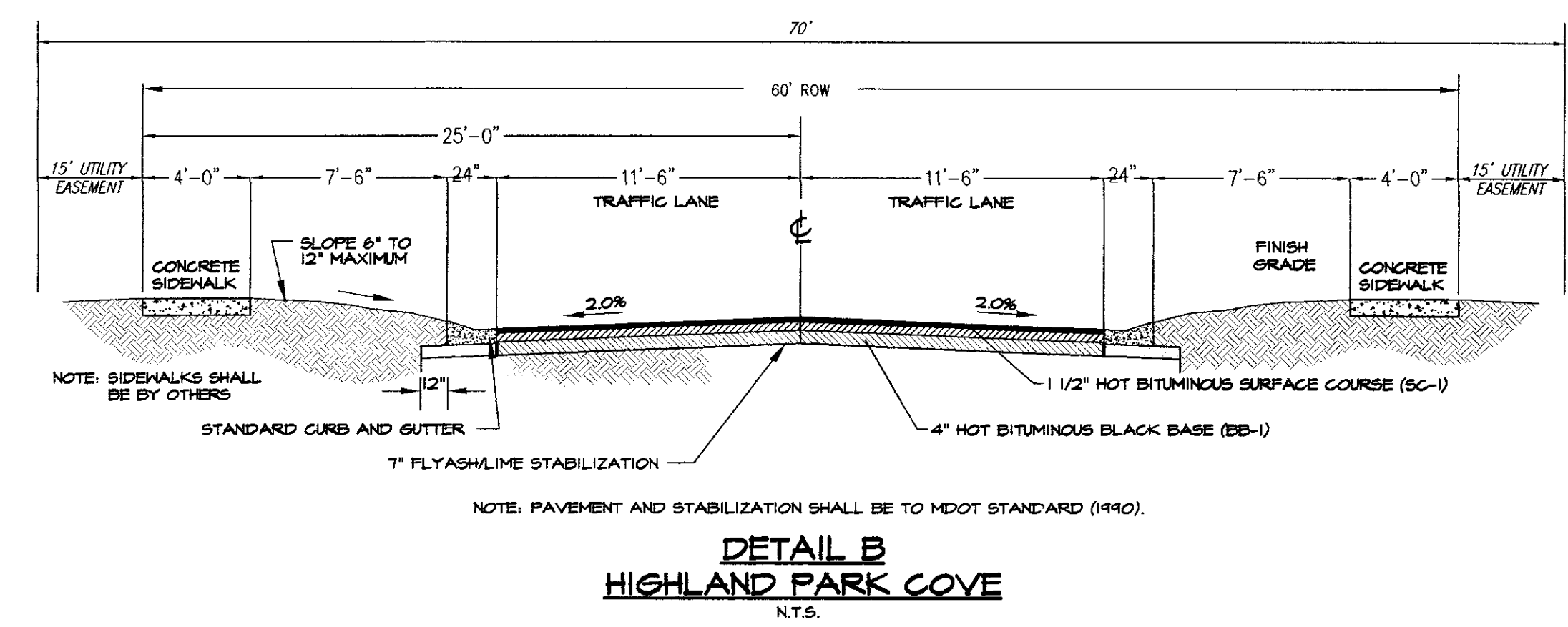
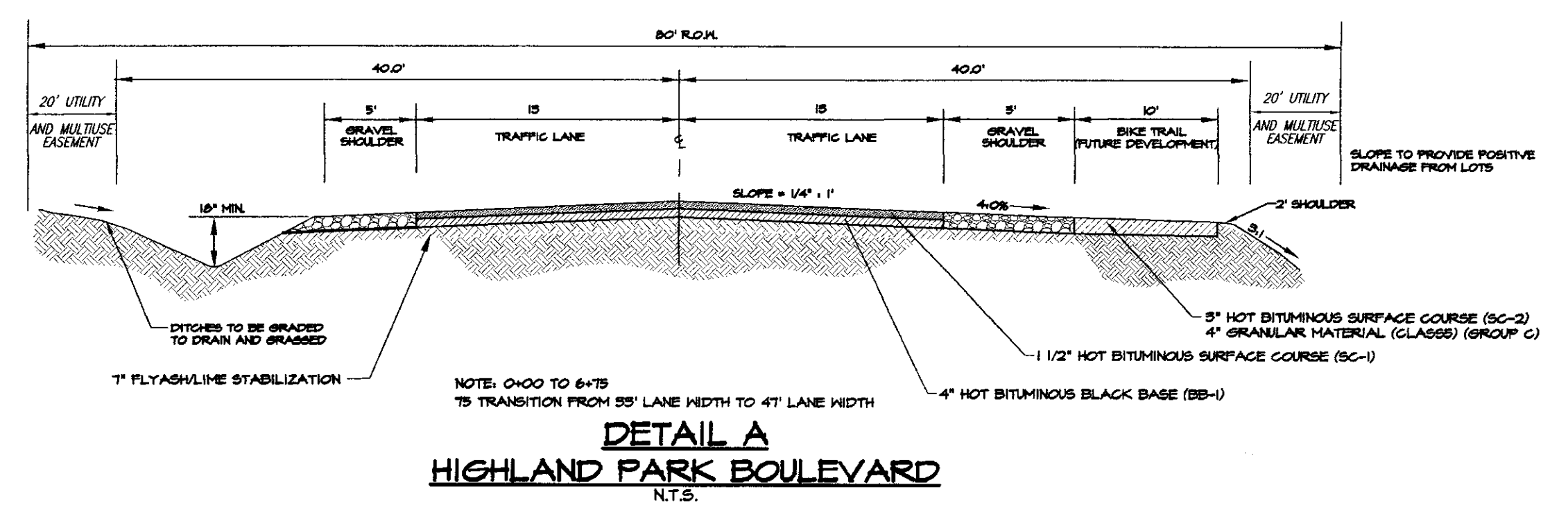
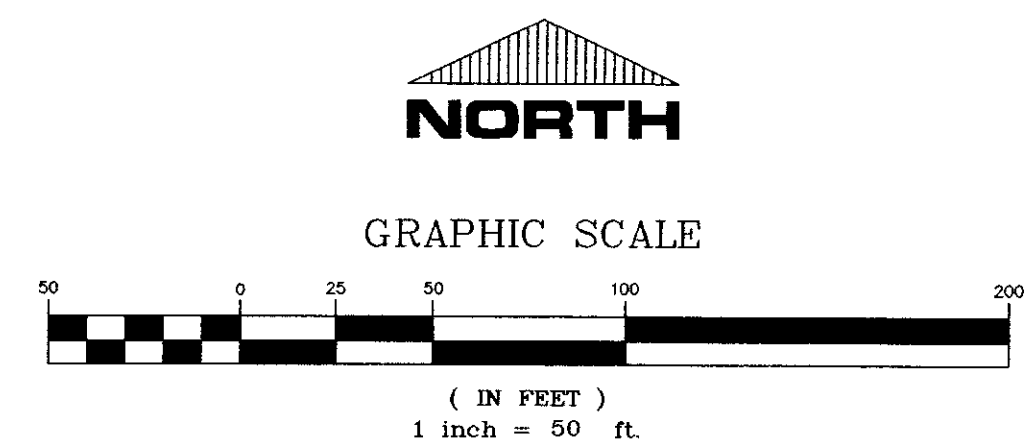
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HIGHLAND COLONY PARKWAY

- NOTES:**
- A 10' UTILITY EASEMENT IS REQUIRED ADJACENT TO ALL STREET RIGHT-OF-WAYS.
 - MINIMUM BUILDING SETBACKS: FRONT SETBACK - 30' FROM STREET R.O.W.
SIDE SETBACK - 10' FROM SIDE LOT LINE
REAR SETBACK - 10' FROM REAR LOT LINE
 - ALL 100 YEAR FLOOD AREAS ARE CONTAINED IN DITCH AND LAKES.
 - ADD GUARD RAIL @ BOX CULVERT LOCATION PER. MDOT STANDARDS.



- GENERAL INFORMATION:**
- OWNER: TRAVIS PROPERTIES, LLC
111 MOCKINGBIRD LN.
RIDGELAND, MS 39157
 - ZONING: C-1
 - DATE OF SURVEY: NOVEMBER 19, 1999
1: 10,000, WISE LAND SURVEYING, INC.
 - PHASE I: 9.61 ACRES
 - SITE AREA= 428,226 SQ. FT.

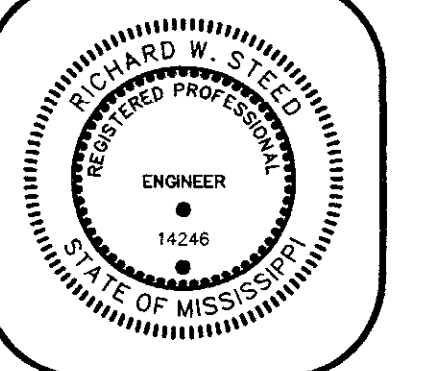
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SYSTEMS ONLY.

BY: *AW* DATE: 9/29/2000

DRAWN BY: D.A.G.
CHECK BY: R.W.S.
DATE: 06/23/00
REV: _____

Sheet Title
STREET AND LOT LAYOUT

Project Title
**HIGHLAND PARK OF RIDGELAND
PHASE I
RIDGELAND, MISSISSIPPI**



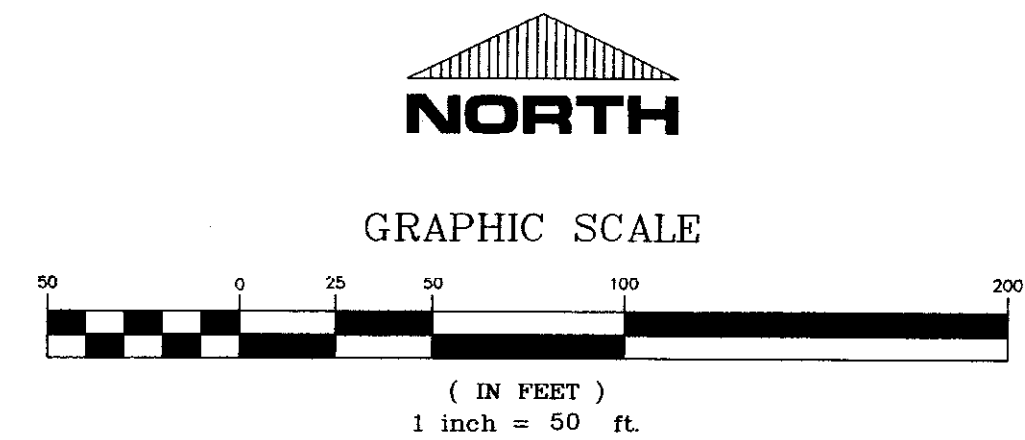
HARRIS & STEED, INC.
CONSULTING ENGINEERS
JACKSON, MISSISSIPPI

3003 LAKELAND COVE • SUITE C • JACKSON, MS 39208
PH. (601) 664-0388 • FAX. (601) 664-0389

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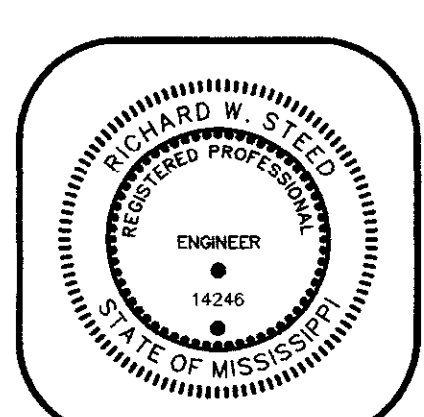
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 DATE 06/23/00
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WATER AND SEWER LAYOUT

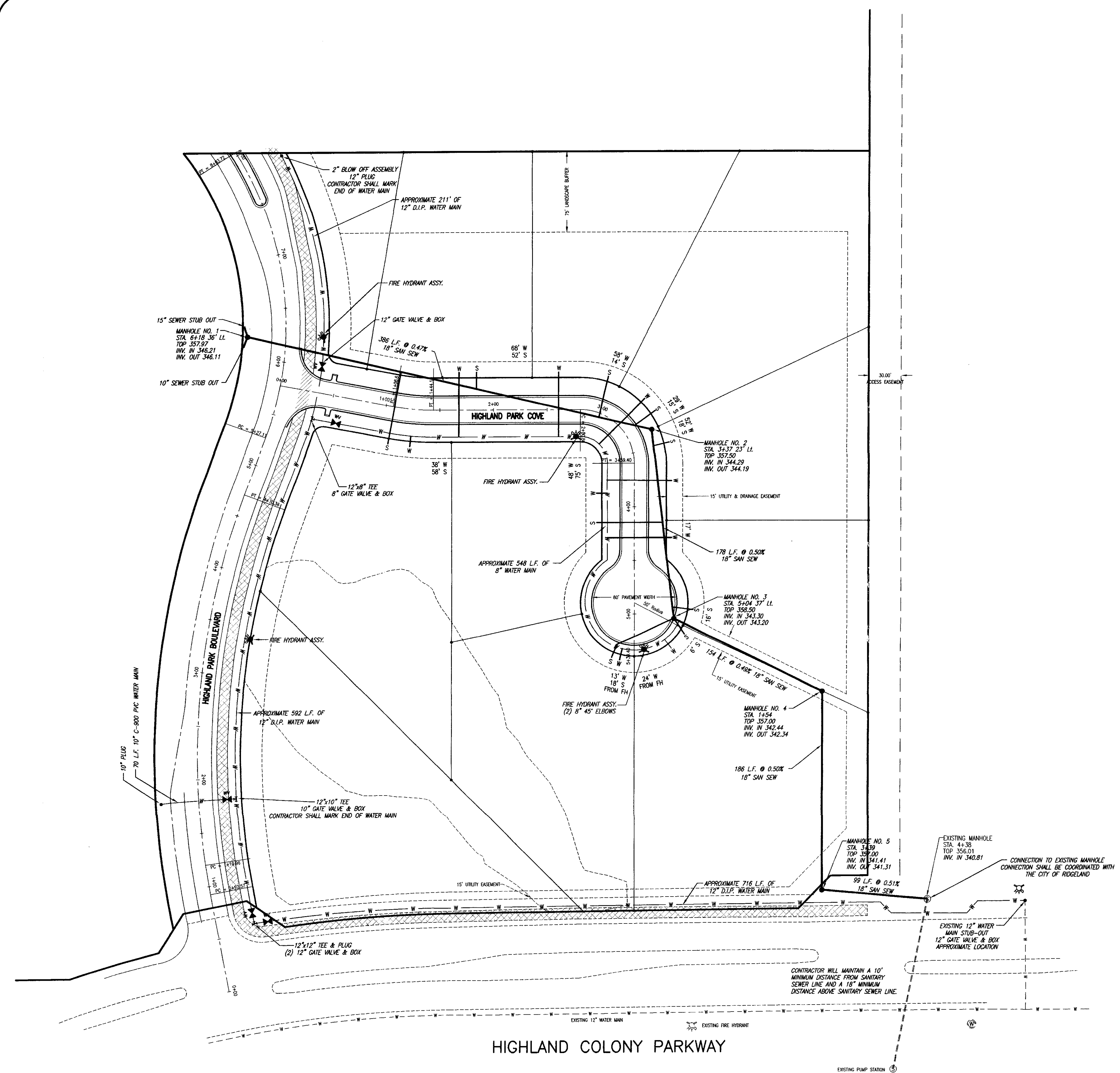
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**HIGHLAND PARK OF RIDGELAND
 PHASE I
 RIDGELAND, MISSISSIPPI**



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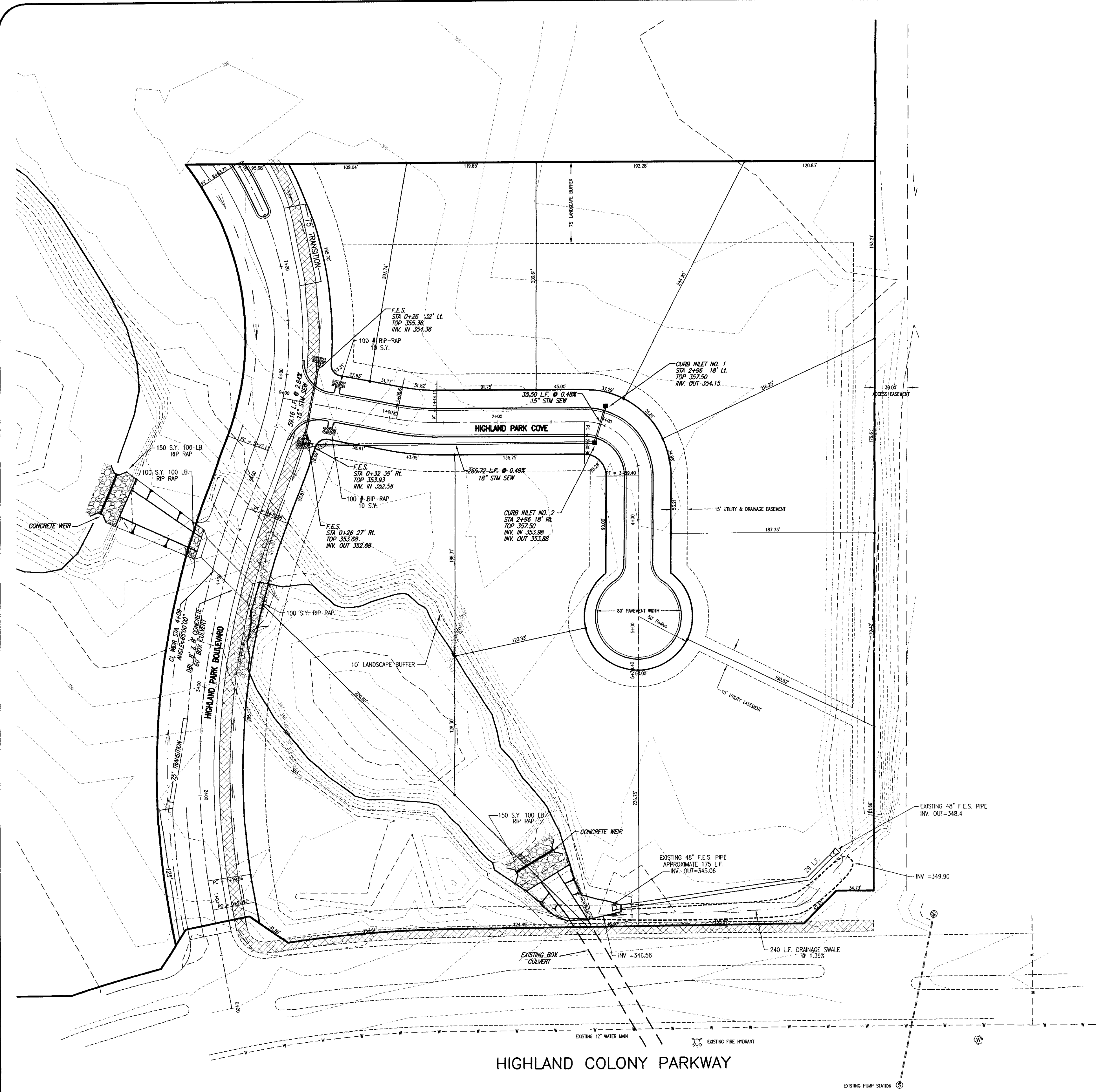
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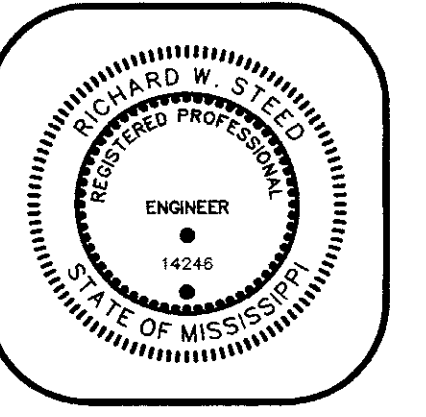


(IN FEET)
1 inch = 50 ft.

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CHECK BY R.W.S.
DATE 06/23/00
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Sheet Title
GRADING AND DRAINAGE LAYOUT

Project Title
**HIGHLAND PARK OF RIDGELAND
PHASE I
RIDGELAND, MISSISSIPPI**



HARRIS & STEED, INC.
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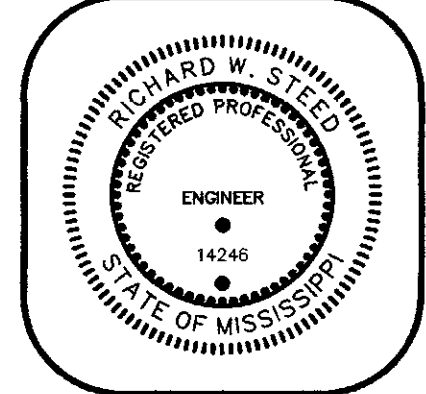
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Sheet Title
 PLAN AND PROFILE
 HIGHLAND PARK BOULEVARD

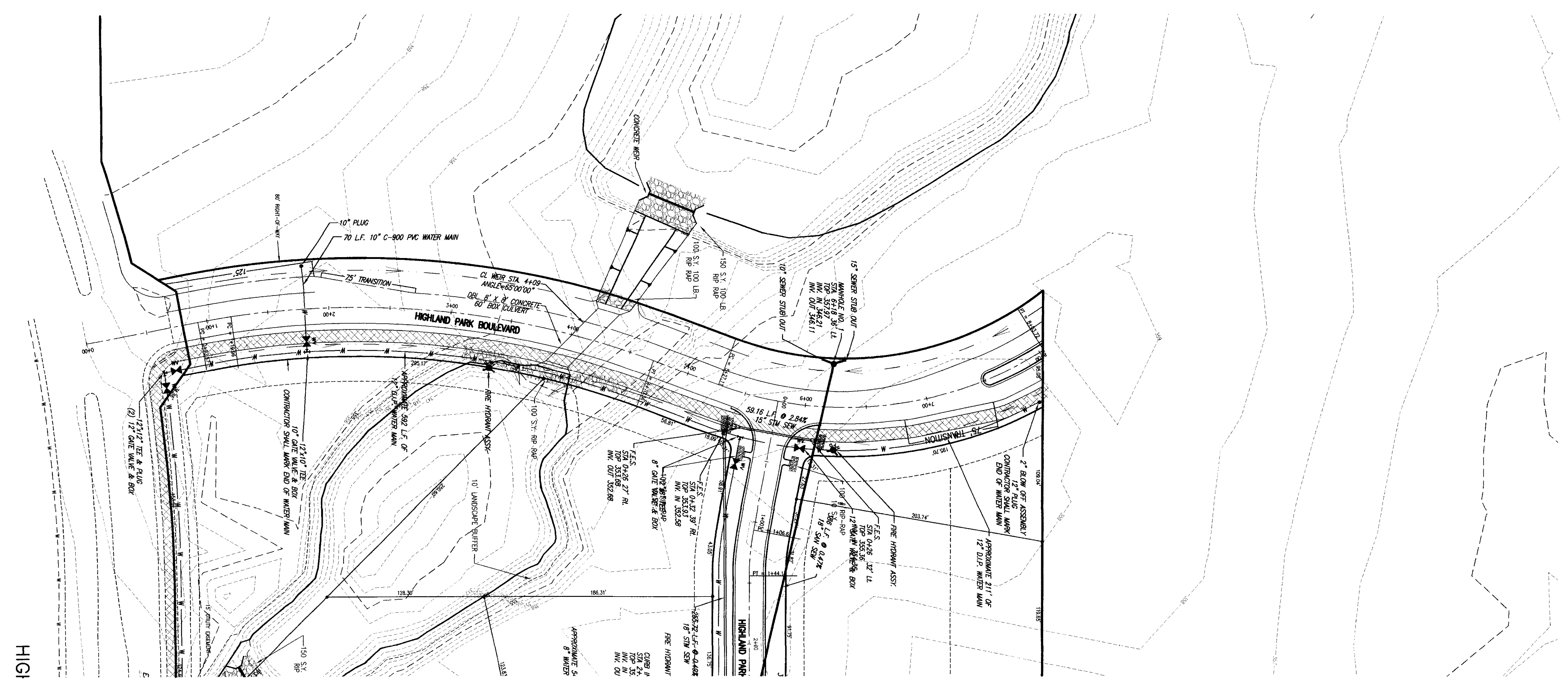
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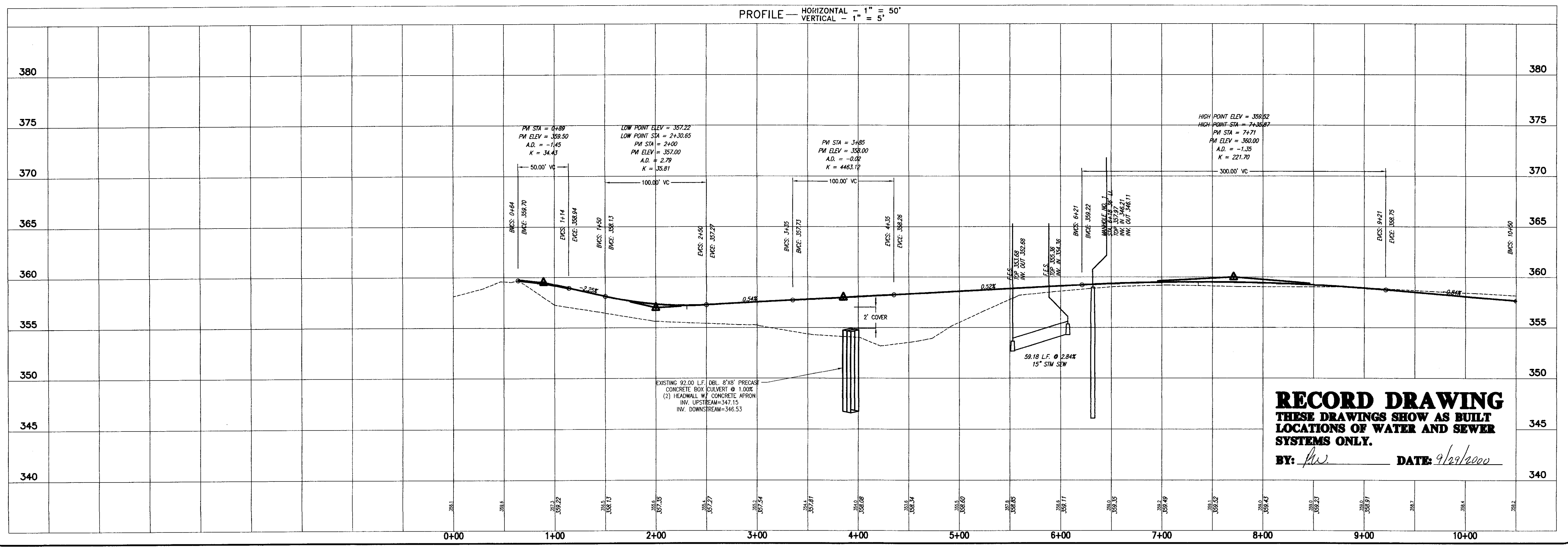
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PLAN — SCALE: 1" = 50'
 PROFILE — HORIZONTAL — 1" = 50'
 VERTICAL — 1" = 5'

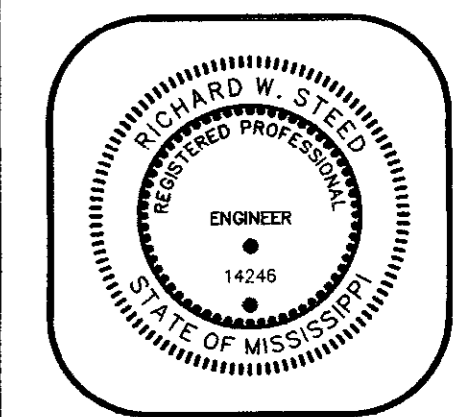


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 BY: *fw* DATE: *9/23/2000*

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 CHECK BY: R.W.S.
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Sheet Title
PLAN AND PROFILE
HIGHLAND PARK COVE

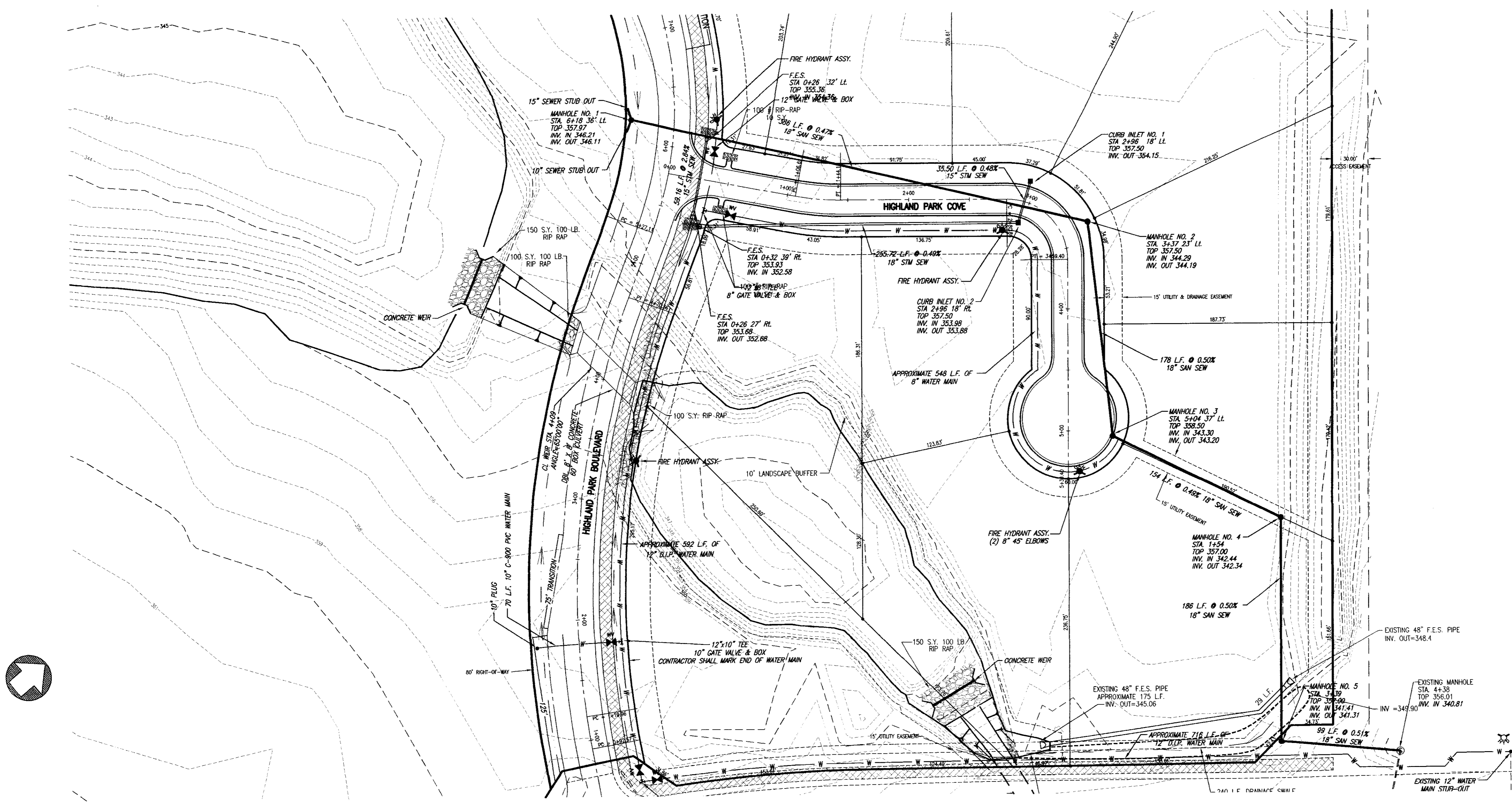
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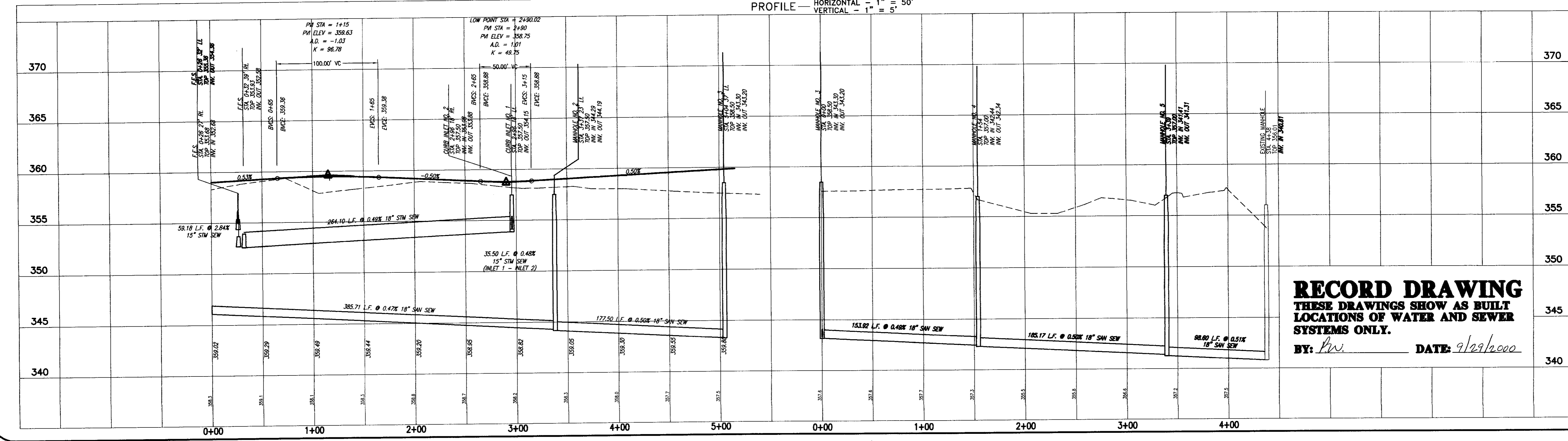
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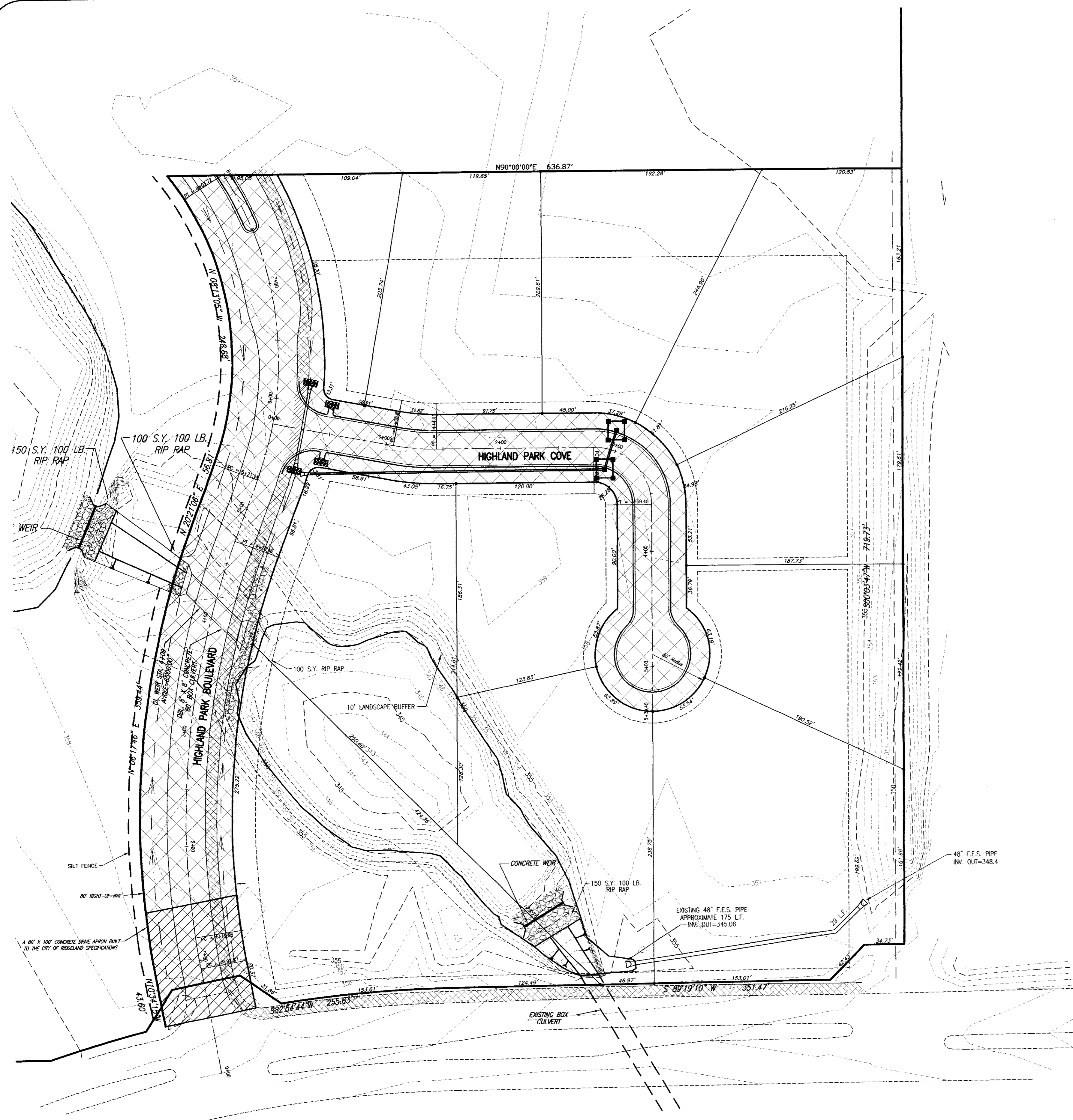
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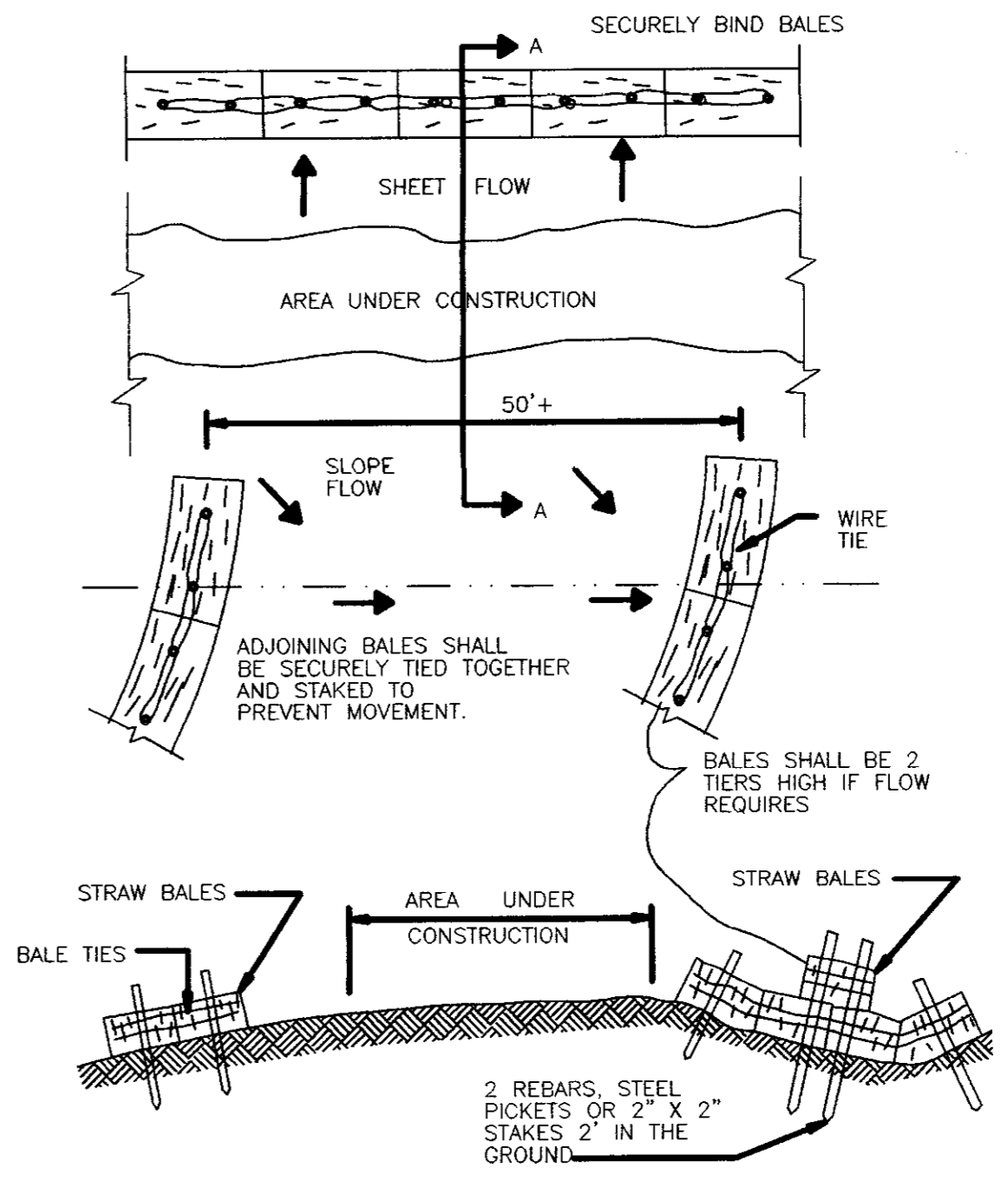
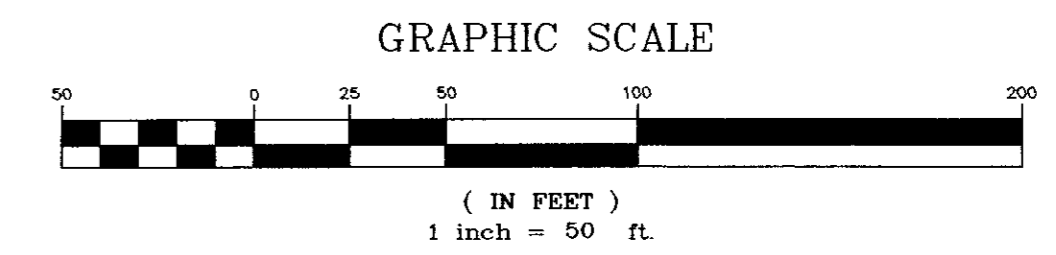
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 VERTICAL — 1" = 5'



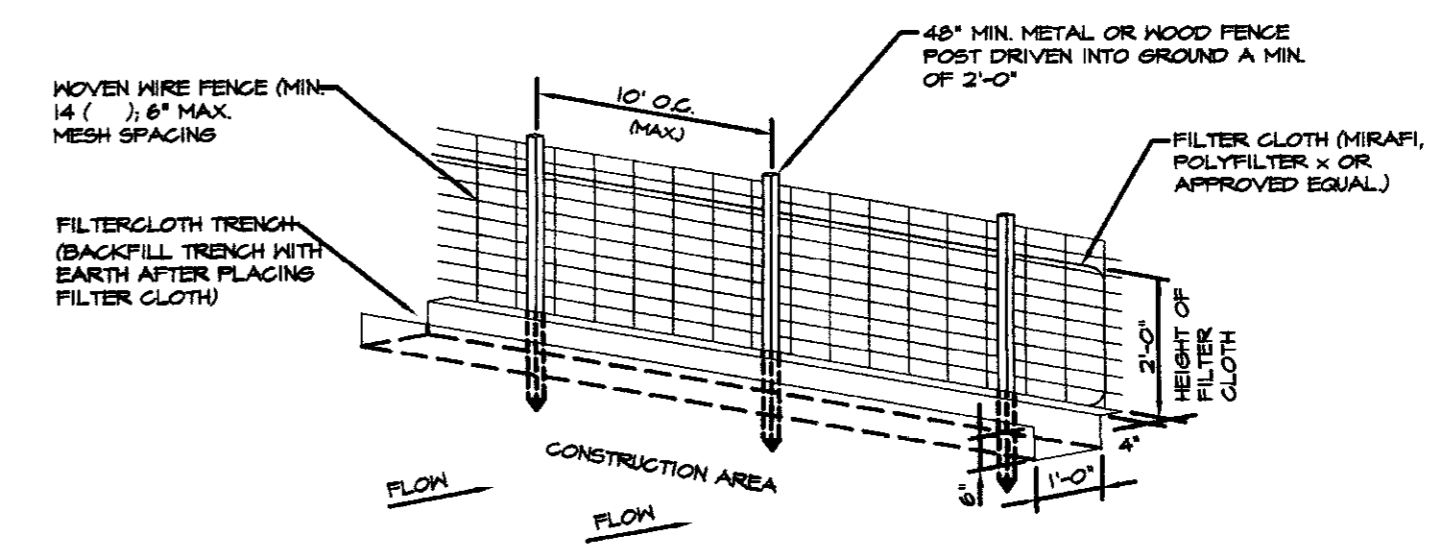
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 BY: *RWS* DATE: *9/29/2000*



HIGHLAND COLONY PARKWAY



SECTION A-A
STRAW BALE SEDIMENT BARRIER
N.T.S.



CONSTRUCTION SPECIFICATIONS

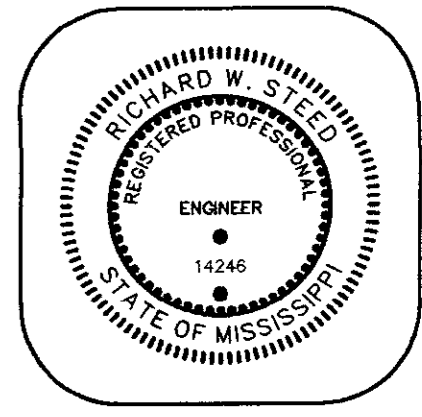
1. MOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS BY USE OF WIRE TIES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO MOVEN WIRE FENCE BY USE OF WIRE TIES SPACED EVERY 24" X 24".
3. SILT FENCES TO BE INSTALLED IN LOCATIONS AS SHOWN ON THIS EROSION AND SEDIMENT CONTROL PLAN PRIOR TO BEGINNING OF CONSTRUCTION TO CONTROL SEDIMENT.
4. SILT FENCES TO BE MAINTAINED AND CLEANED AS NECESSARY TO MAINTAIN IN FUNCTIONAL CONDITION.
5. SILT FENCES TO BE REMOVED AND THE AREA TO BE RESTORED TO ITS NATURAL CONDITION WHEN PERMANENT EROSION AND SEDIMENT CONTROL PROCEDURES ARE EFFECTIVE.

SILT FENCE DETAIL
N.T.S.

DRAWN BY D.A.G.
CHECK BY R.W.S.
DATE 06/23/00
REV. _____

Sheet Title
EROSION AND SEDIMENT CONTROL PLAN

Project Title
**HIGHLAND PARK OF RIDGELAND PHASE I
RIDGELAND, MISSISSIPPI**



HARRIS & STEED, INC.
CONSULTING ENGINEERS
JACKSON, MISSISSIPPI
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Sheet
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of 12

RECORD DRAWING
THESE DRAWINGS SHOW AS BUILT
LOCATIONS OF WATER AND SEWER
SYSTEMS ONLY.
BY: RW DATE: 9/29/2000

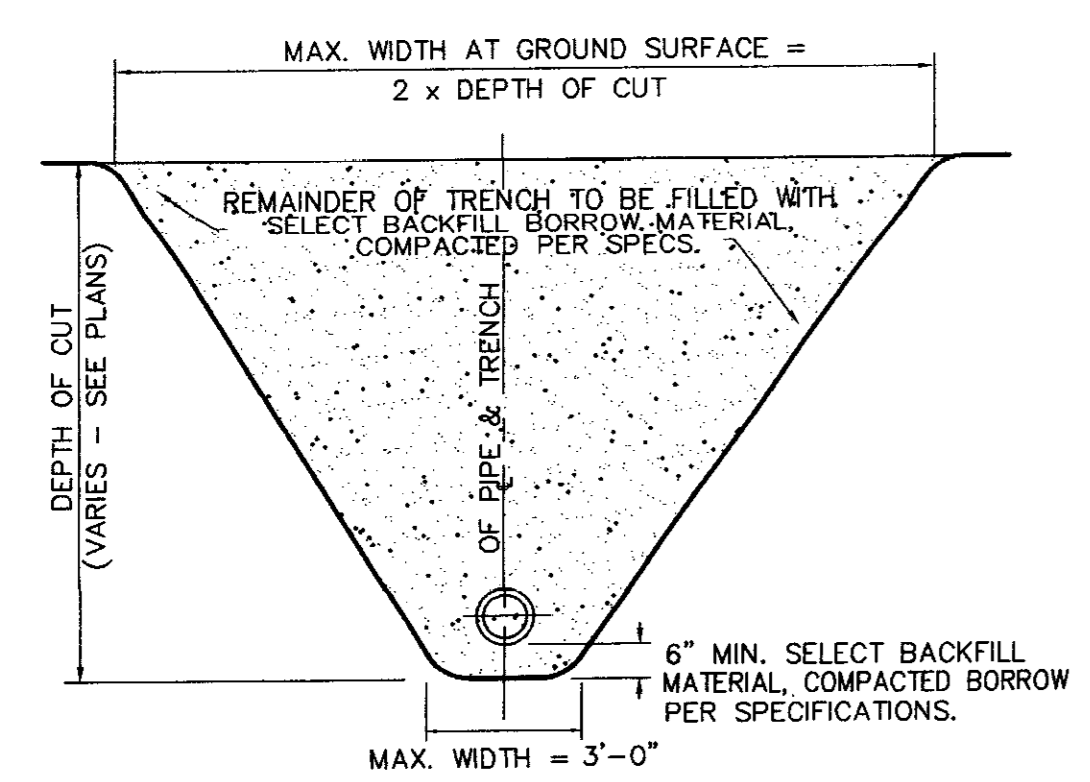
J99-032

C:\SBSK\PROJ\J99-032\EC.dwg Fri Sep 29 10:06:36 2000 PAUL WILHELM

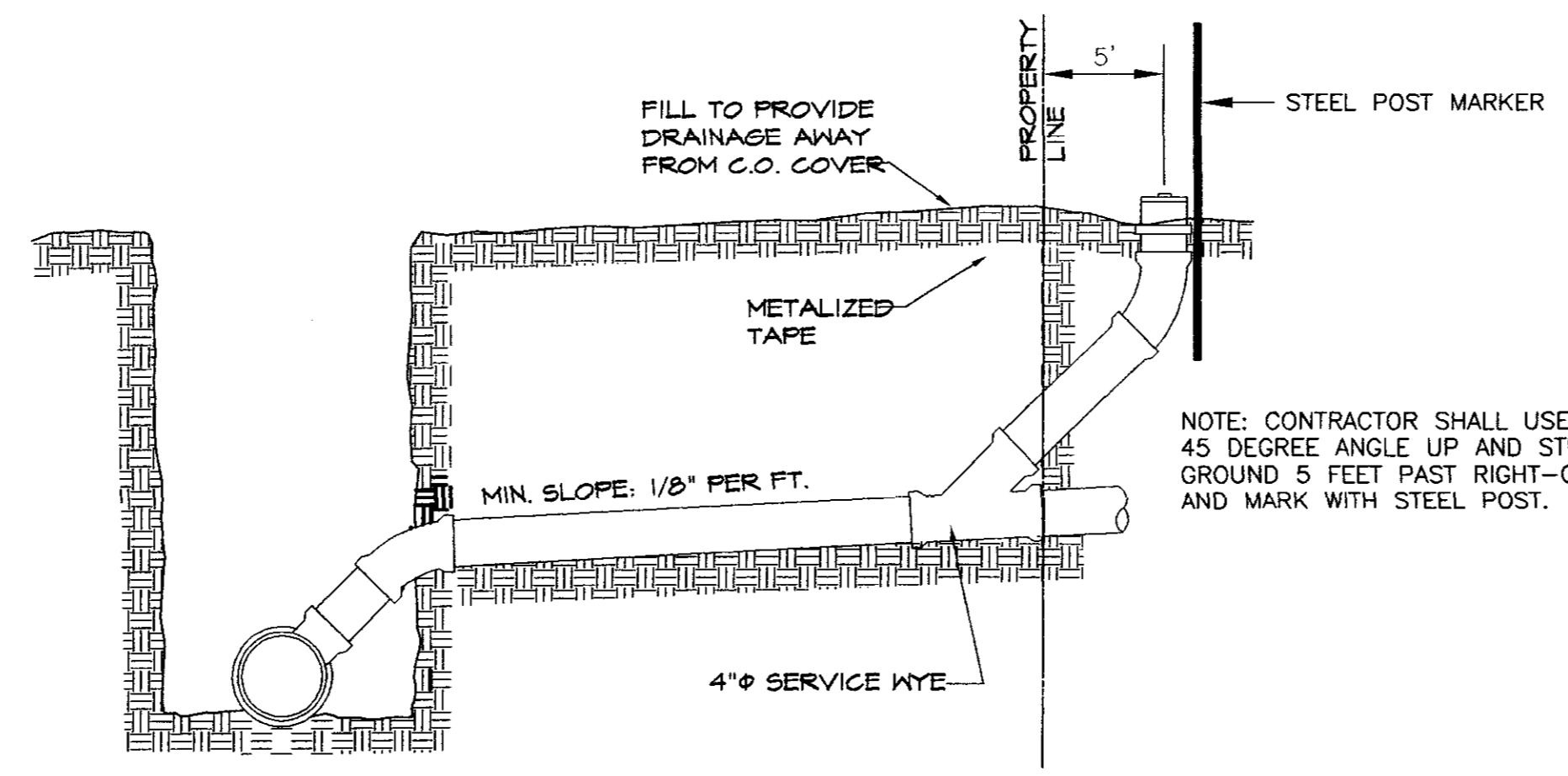
DRAWN BY: D.A.G.
 CHECK BY: R.W.S.
 DATE: 06/23/00
 REV: _____

SANITARY SEWER NOTES:

1. MANHOLE INTERIOR TO BE COATED WITH 20 MIL THICKNESS GLIDDEN TOP SERVICE BLACK BITUMINOUS COATING (OR APPROVED EQUAL) APPLIED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
2. MAXIMUM PERMITTED INFILTRATION/EXFILTRATION IS 200 GALLONS PER INCH DIAMETER PER MILE PER DAY.
3. PIPE TO MANHOLE CONNECTIONS:
 PVC PIPE - INSTALL PREMOLDED FLEXIBLE MANHOLE JOINT SEAL DEVICE TO CONNECT PIPE TO MANHOLE WALL.
4. INSTALLATION OF SANITARY SEWER MAINS & SERVICES:
 WHEN A SEWER SERVICE LINE CROSSES ABOVE A WATER SUPPLY MAIN OR WITHIN 18" BELOW A WATER MAIN, OR WITHIN 10' ON EITHER SIDE, THE SEWER SERVICE OR MAIN SHALL BE 160 P.S.I. PVC WATER PIPE FOR A DISTANCE OF 10' EITHER SIDE OF THE WATER SUPPLY MAIN.

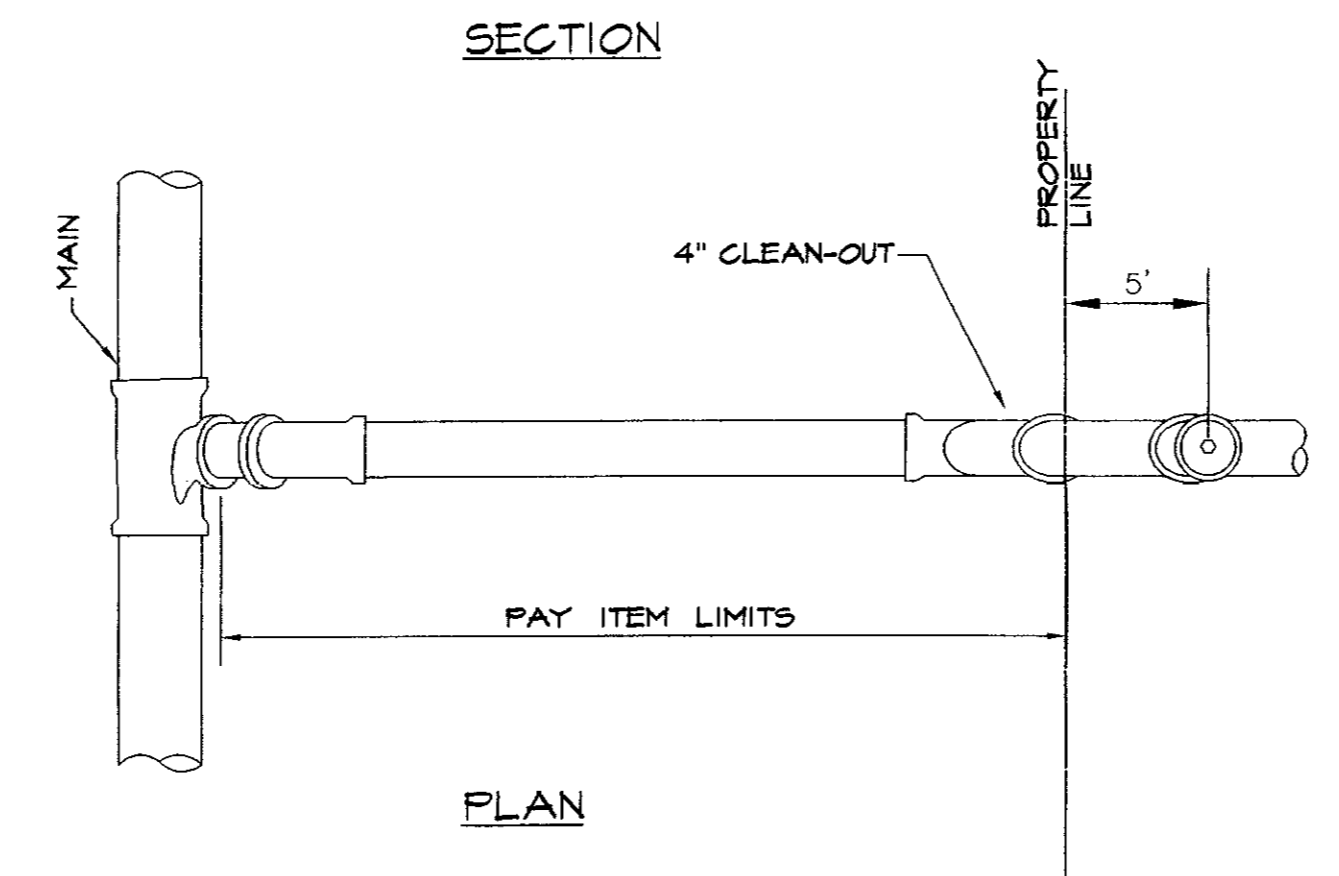


NOTE: CONTRACTOR SHALL INSTALL TEMPORARY BRACING, TRENCHBOX AND/OR SHEET PILING IF NECESSARY TO ENSURE STABILITY OF TRENCH UNTIL UTILITY IS FULLY BACKFILLED, INCIDENTAL TO PIPE INSTALLATION.

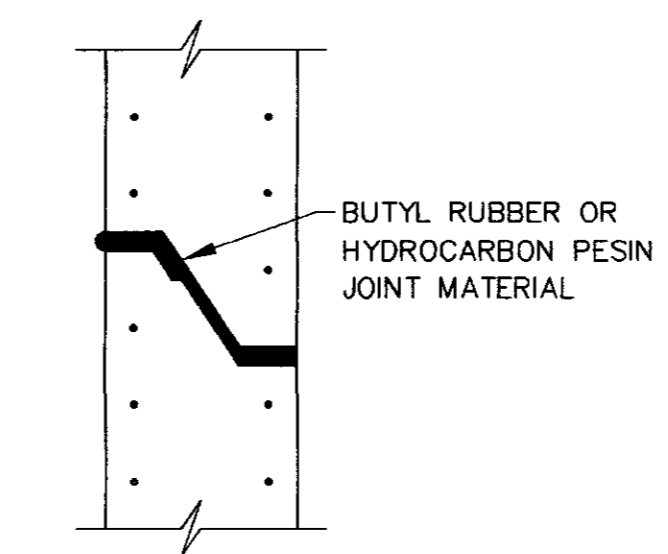


NOTE: CONTRACTOR SHALL USE A SWEEPING 45 DEGREE ANGLE UP AND STUBOUT AT GROUND 5 FEET PAST RIGHT-OF-WAY AND MARK WITH STEEL POST.

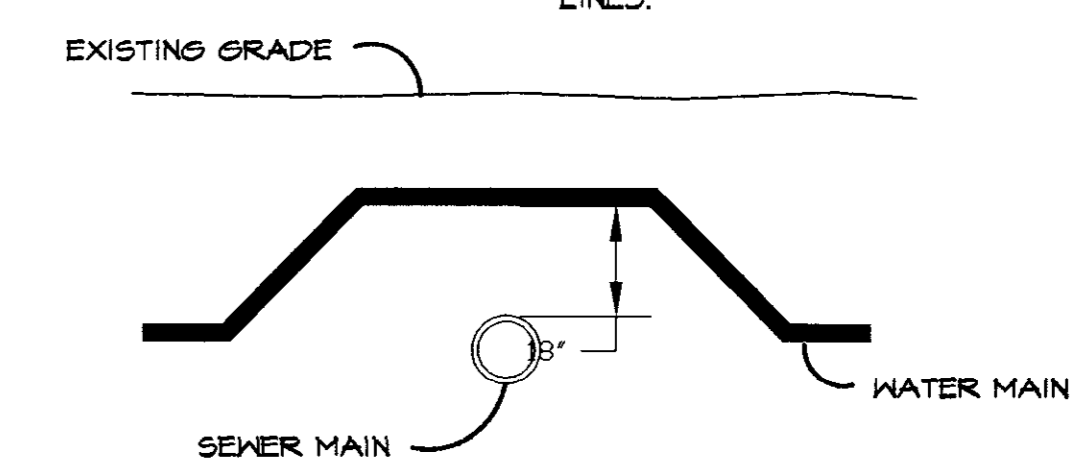
SEWER TRENCH & BEDDING DETAIL
 N.T.S.



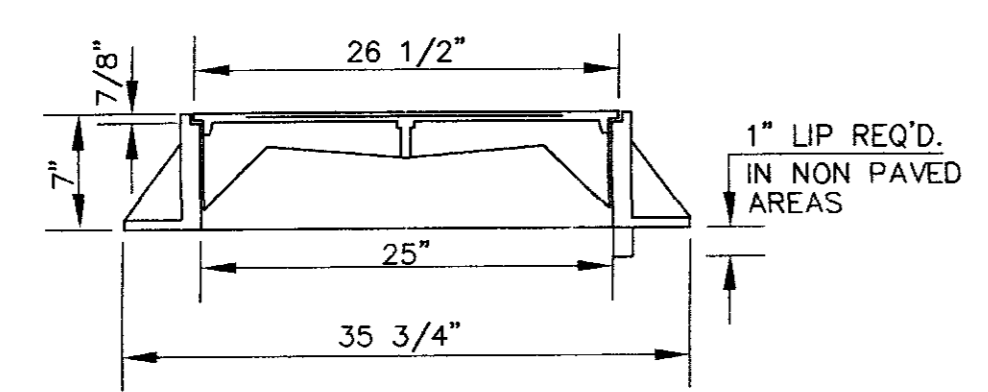
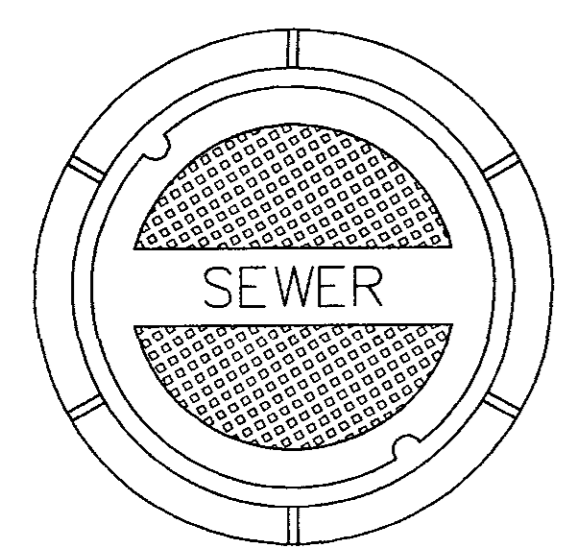
SEWER SERVICE



TYPICAL PRECAST CONCRETE MANHOLE JOINT DETAIL
 NOT TO SCALE



SEWER & WATER CROSSING DETAIL
 N.T.S.

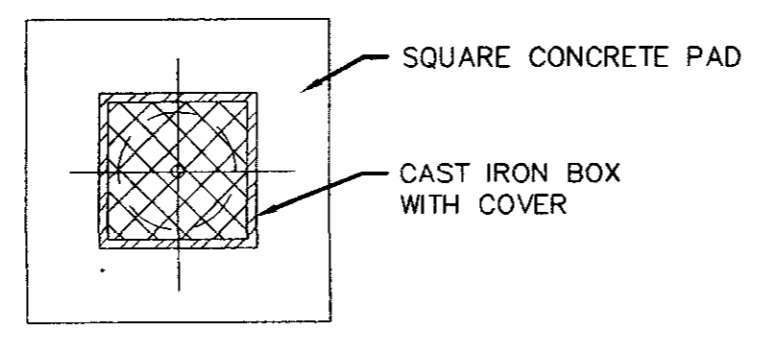


TOP PLAN OF COVER

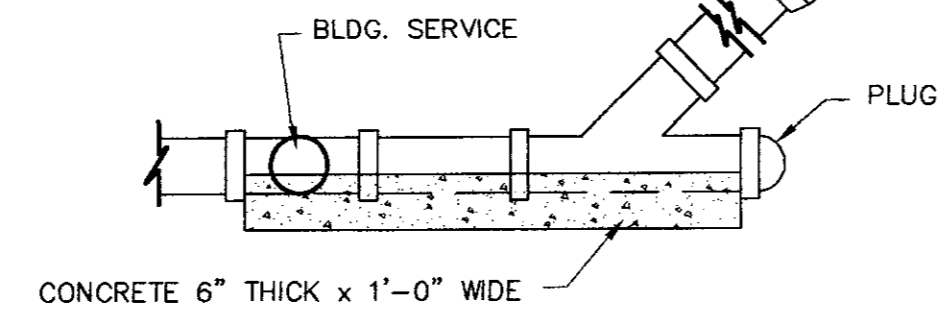
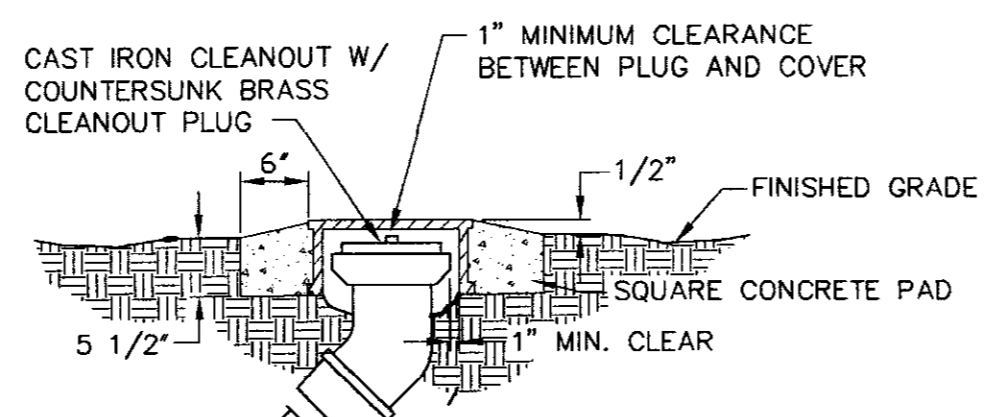
SECTION

FRAME & COVER WEIGHT 420 LBS.

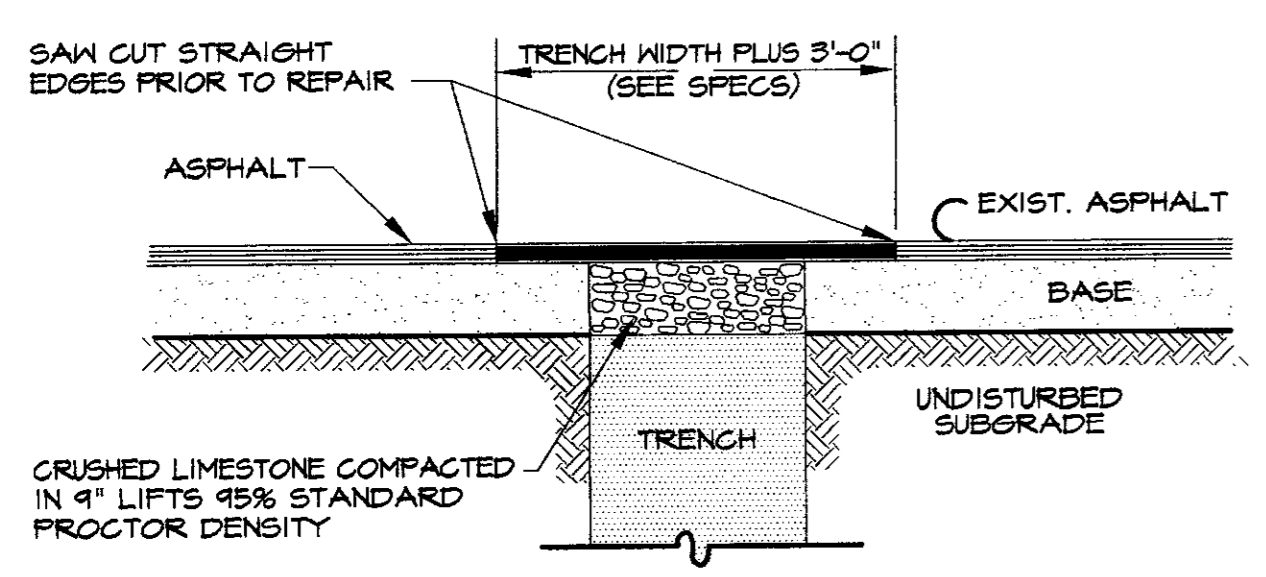
STANDARD MANHOLE FRAME AND COVER
 NOT TO SCALE



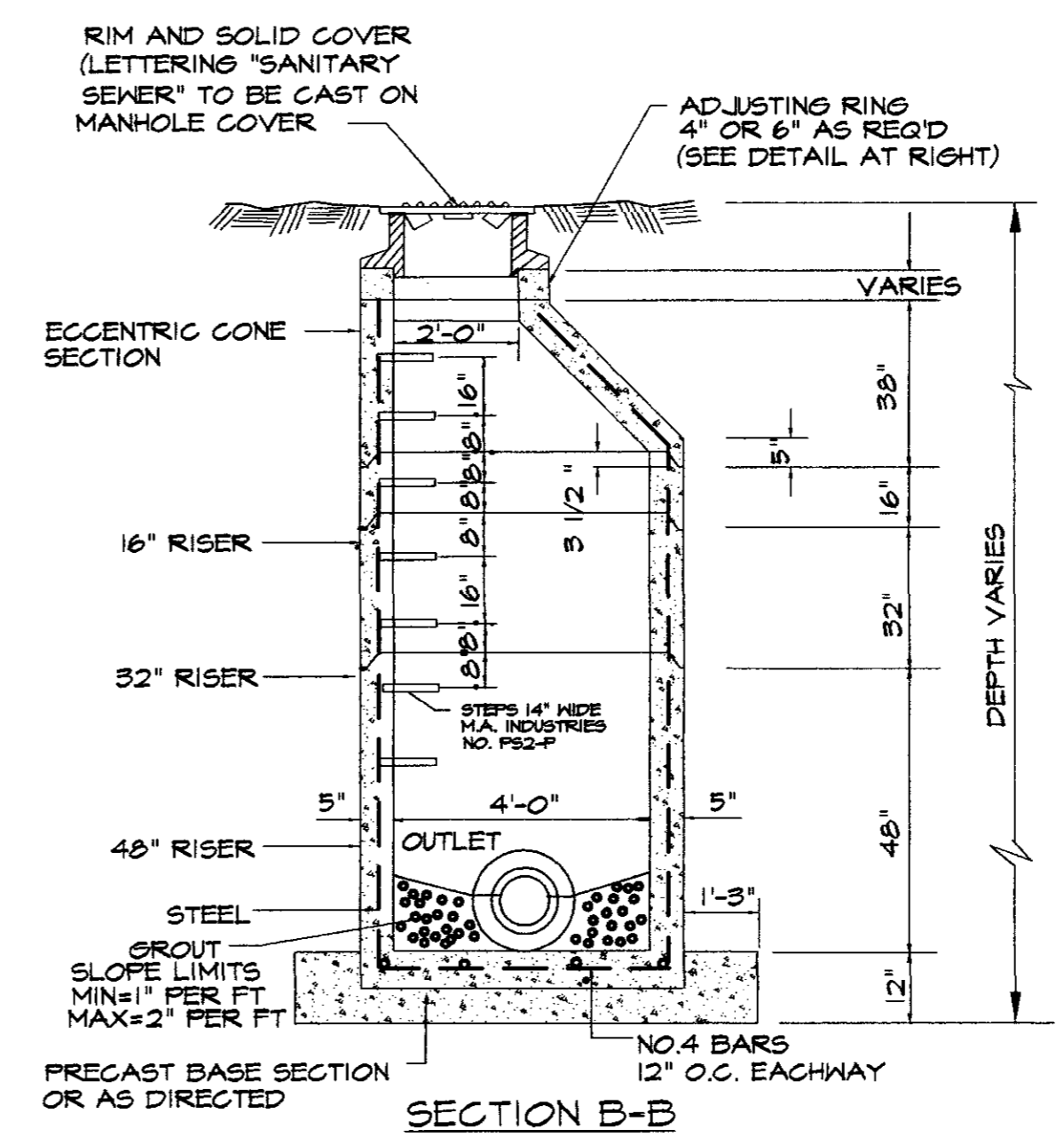
PLAN



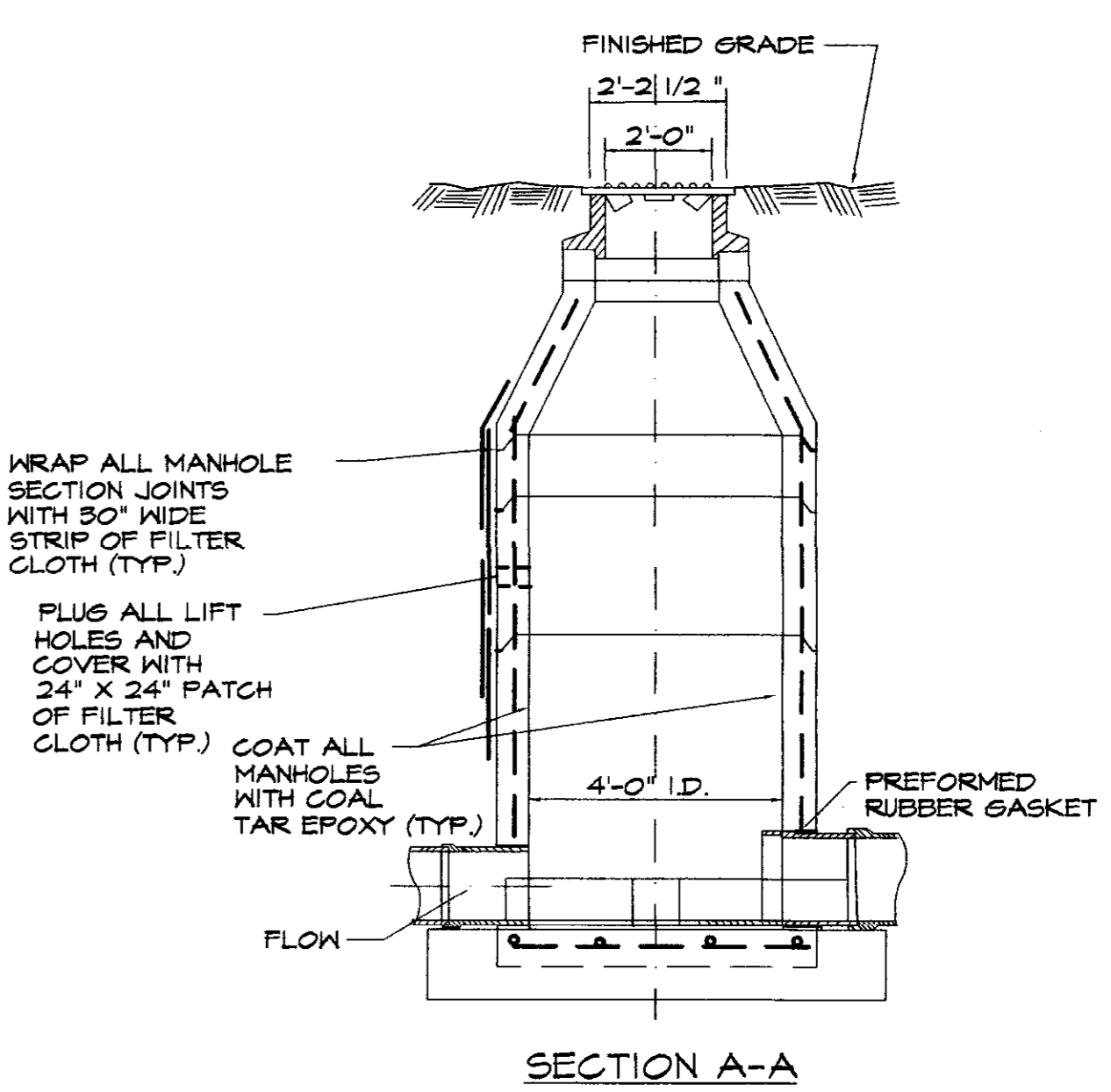
CLEANOUT DETAIL
 N.T.S.



ASPHALT STREET REPAIR
 N.T.S.



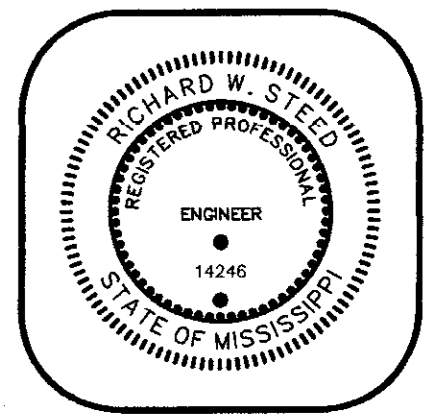
TYPICAL PRECAST CONCRETE SEWER MANHOLE DETAIL
 N.T.S.



SECTION A-A

Sheet Title
SANITARY SEWER DETAILS

Project Title
 HIGHLAND PARK OF RIDGELAND
 PHASE I
 RIDGELAND, MISSISSIPPI



HARRIS & STEED, INC.
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RECORD DRAWING
 THE LOCATIONS OF WATER AND SEWER SYSTEMS ONLY
 BY: *aw* DATE: *6/26/00*

J99-032

DRAWN BY: D.A.G.
 CHECK BY: R.W.S.
 DATE: 06/23/00
 REV.:

CLASS "A" BEDDING

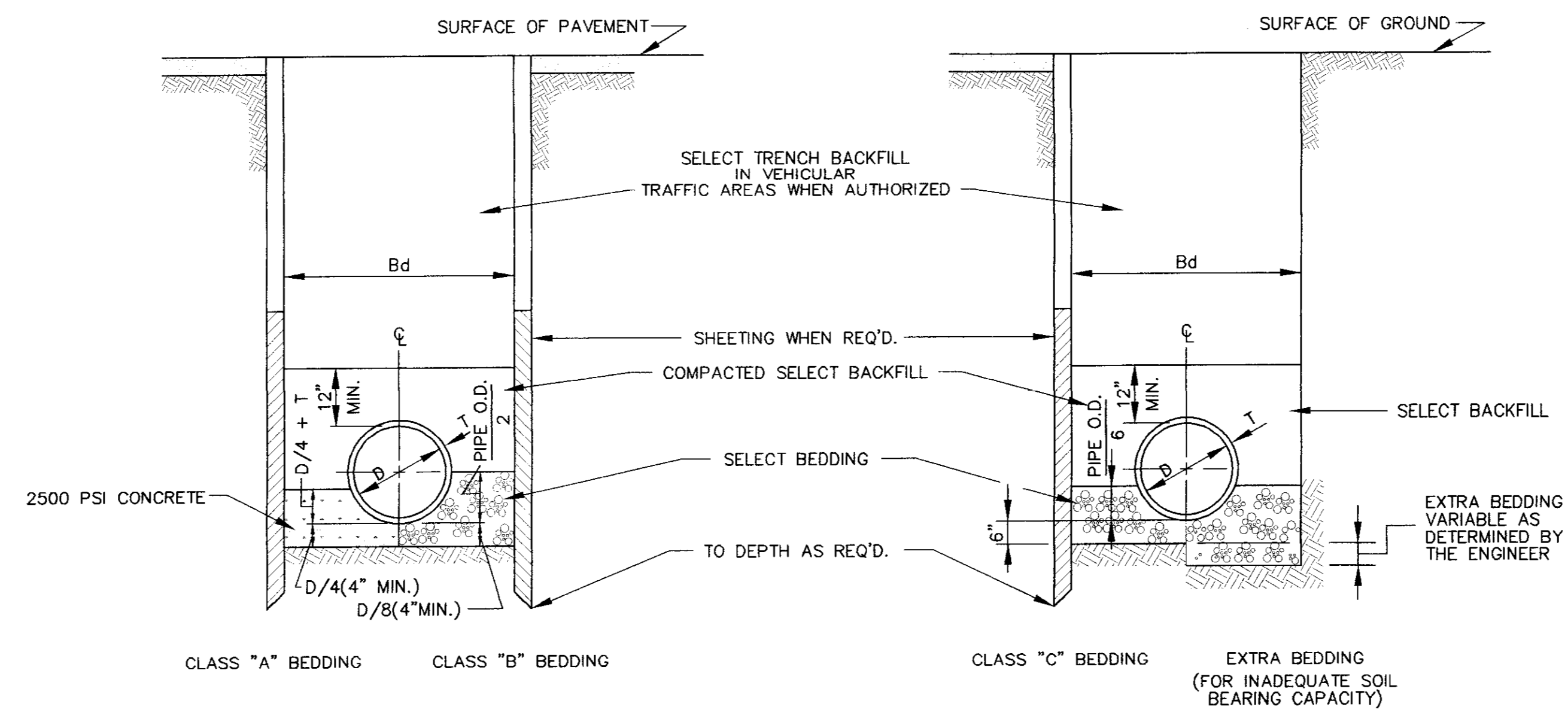
MATERIAL SHALL BE 2500 PSI CONCRETE CRADLES. THE PIPE SHALL BE LAID ON CONCRETE SADDLES CONSTRUCTED TO PROVIDE VERTICAL AND LATERAL SUPPORT FOR THE PIPE WHILE THE CRADLE IS BEING PLACED. PIPE SUPPORTS OF WOOD BLOCKS, LOOSE BRICK, ETC., WILL NOT BE PERMITTED. THE CRADLE SHALL BE POURED AFTER THE JOINTS HAVE BEEN MADE, CARE BEING TAKEN TO PREVENT MOVEMENT OF THE PIPE. WHENEVER THE CONTRACTOR PLACES CONCRETE OUTSIDE THE DIMENSIONS SHOWN ON THE DRAWINGS, THE COST OF SUCH CONCRETE WILL BE AT THE CONTRACTOR'S EXPENSE.

CLASS "B" BEDDING

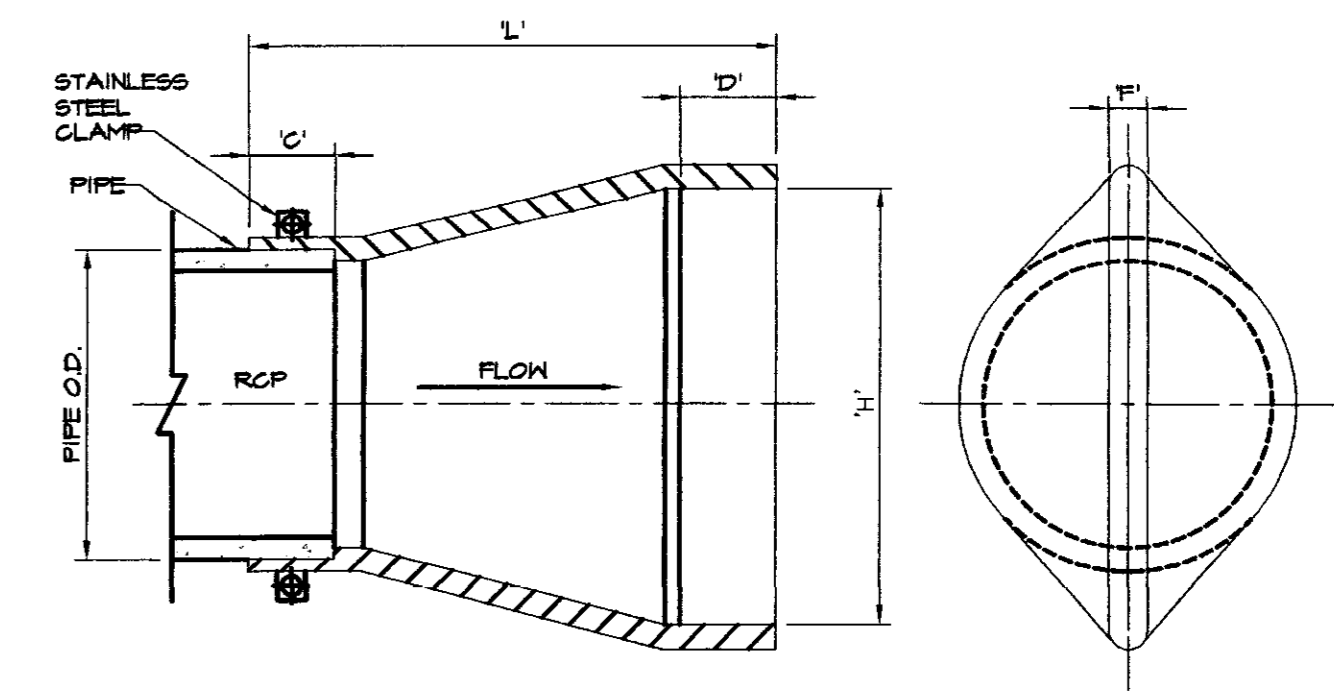
MATERIAL SHALL BE SELECT BEDDING AS SPECIFIED. MATERIAL SHALL BE CAREFULLY PLACED AND THOROUGHLY COMPACTED BY TAMPING.

CLASS "C" BEDDING (STANDARD BEDDING)

MATERIAL SHALL BE THE SAME AS FOR CLASS "B" BEDDING AND SHALL BE PLACED AS SHOWN BY STANDARD DETAILS FOR THE TYPE OF PIPE USED.



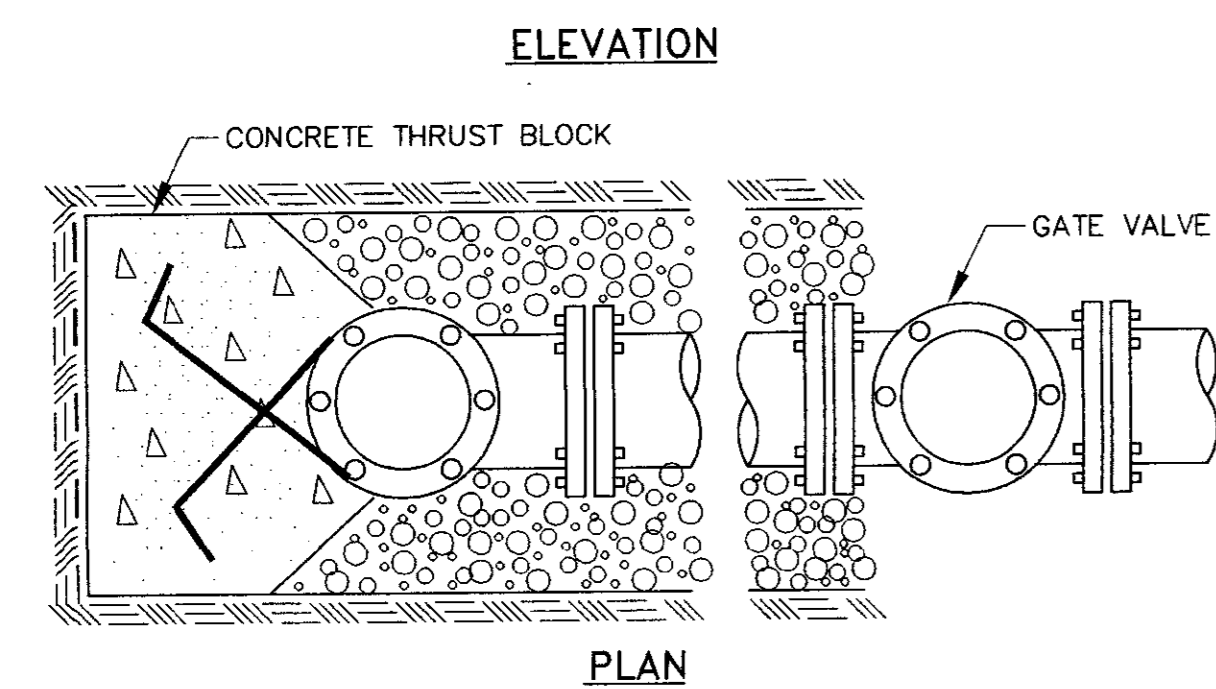
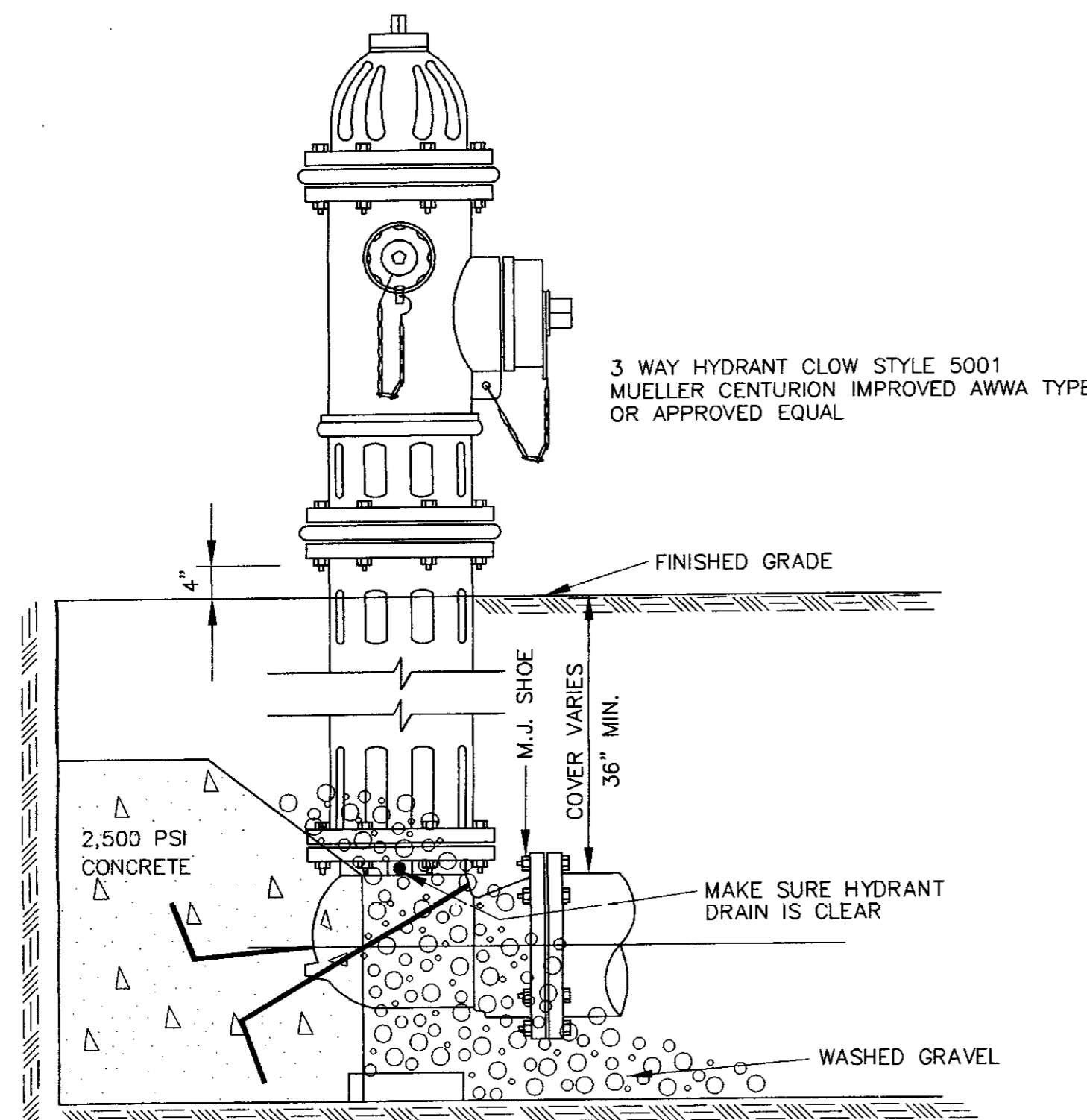
BEDDING FOR P.V.C. PIPE
TYPICAL TRENCH DETAILS
 NOT TO SCALE



TIDEFLEX CHECK VALVE

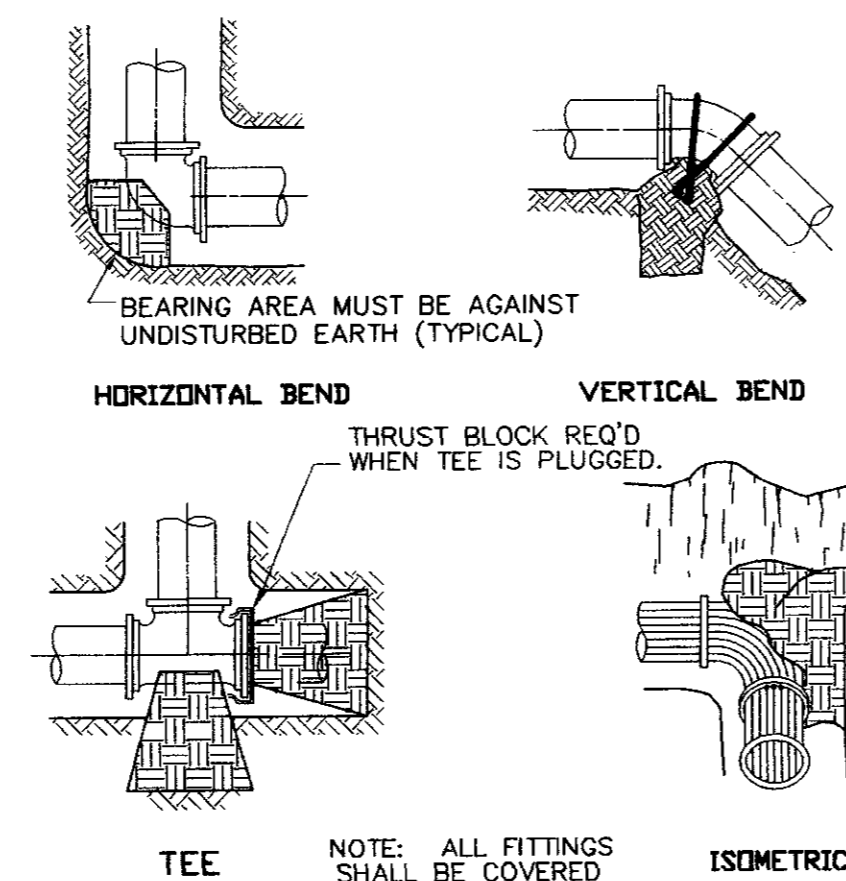
VALVE IS TO BE MOUNTED WITH THE OUTLET IN THE VERTICAL POSITION

VALVE SIZE (NOM.)	PIPE O.D.	L	H	F
16"	16"	24"	22-1/4"	1-1/4"
18"	18"	26"	26-3/4"	1-1/4"
24"	24"	36"	31-1/4"	1-5/4"
30"	30"	38"	43-3/4"	2"
36"	36"	50"	51-3/8"	2-3/8"
42"	42"	64"	61-1/2"	2-1/2"



TYPICAL FIRE HYDRANT INSTALLATION

NOTE: GATE VALVES WILL BE REQUIRED ON ALL FIRE HYDRANT LEGS.
 NOT TO SCALE

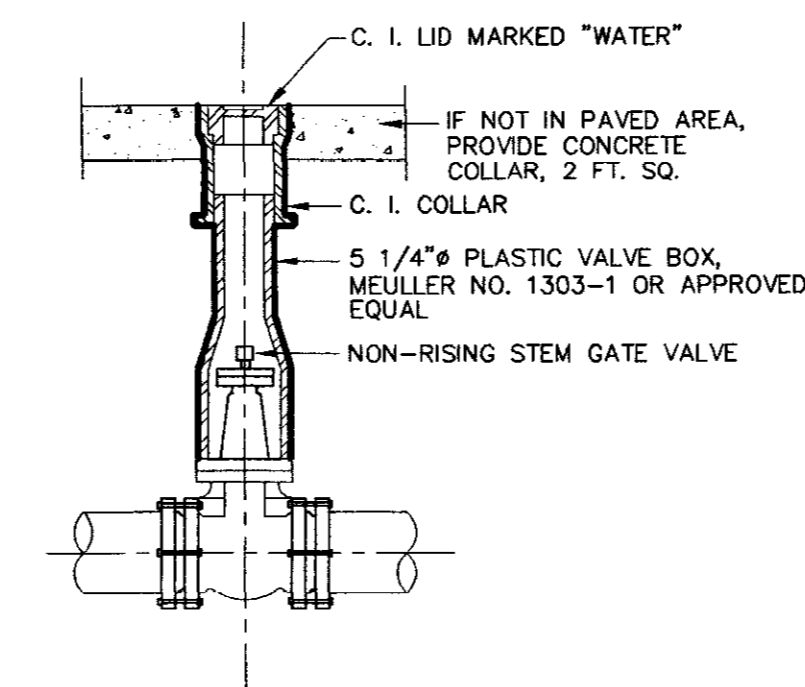


NOTE: ALL FITTINGS SHALL BE COVERED WITH A GEOTEXTILE FABRIC PRIOR TO POURING CONCRETE THRUST BLOCKING

BEARING AREAS FOR THRUST BLOCKING IN SQUARE FEET						
FITTINGS	4" DIA.	6" DIA.	8" DIA.	10" DIA.	12" DIA.	14" DIA.
TEES	0.9	1.9	4.7	4.7	6.7	9.0
90°	1.3	2.7	6.7	6.7	9.4	12.7
45°	0.7	1.5	3.6	3.6	5.1	6.9
22 1/2°	0.4	0.8	1.8	1.8	2.6	3.5

THRUST BLOCKING

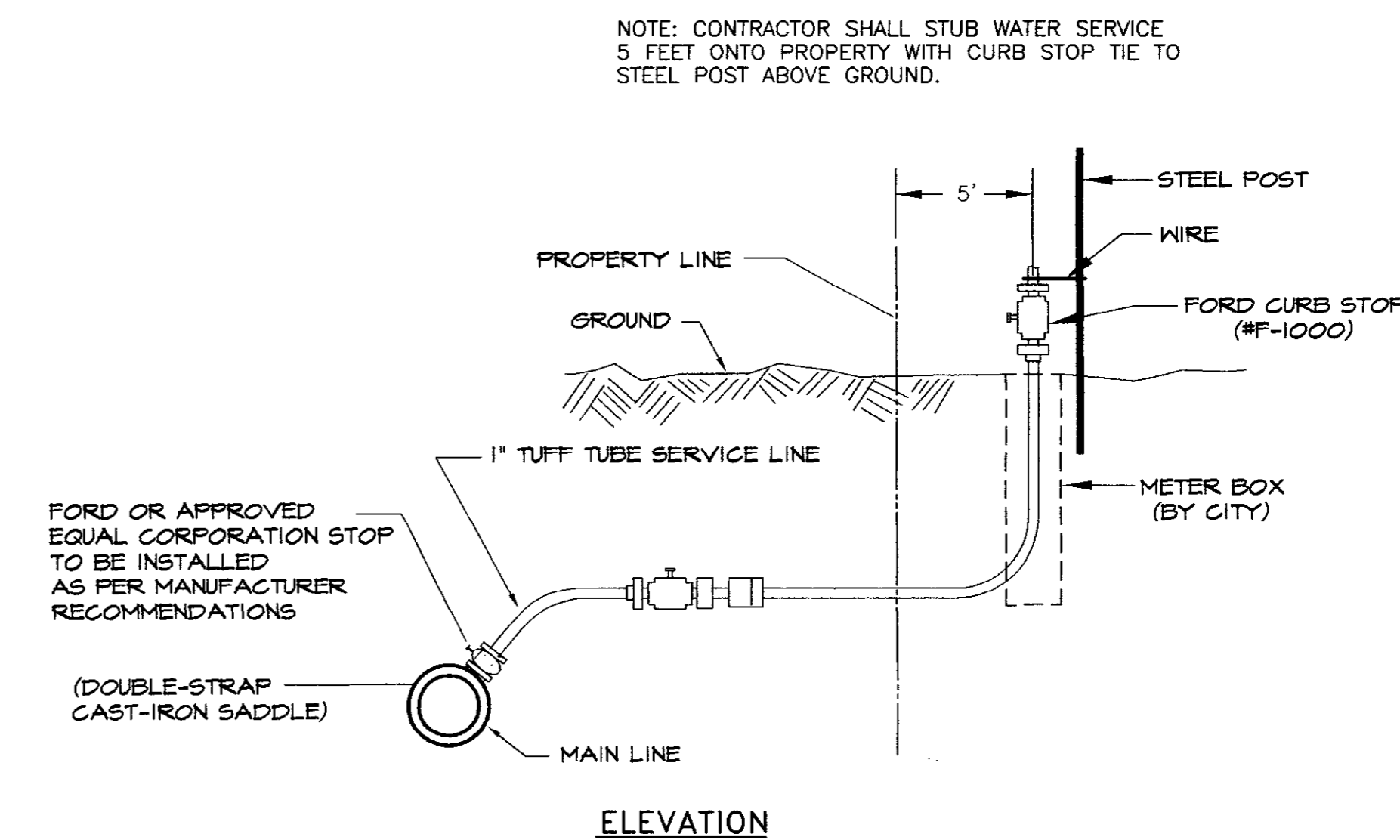
N.T.S.



NOTES: 1. VALVE BOX SECTIONS SHALL BE OF THE ADJUSTABLE SCREW TYPE.
 2. FURNISH PLASTIC VALVE BOX EXTENSIONS AS REQUIRED.

GATE VALVE BOX & COVER

N.T.S.



TYPICAL WATER SERVICE CONNECTION

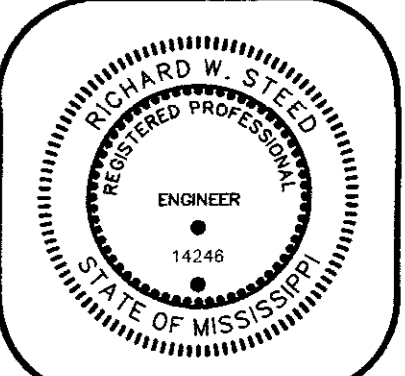
N.T.S.

RECORD DRAWING
 THESE DRAWINGS SHOW AS BUILT LOCATIONS OF WATER AND SEWER SYSTEMS ONLY.

BY: *fw* DATE: 9/29/2000

Sheet Title
WATER DETAILS

Project Title
**HIGHLAND PARK OF RIDGELAND PHASE I
 RIDGELAND, MISSISSIPPI**

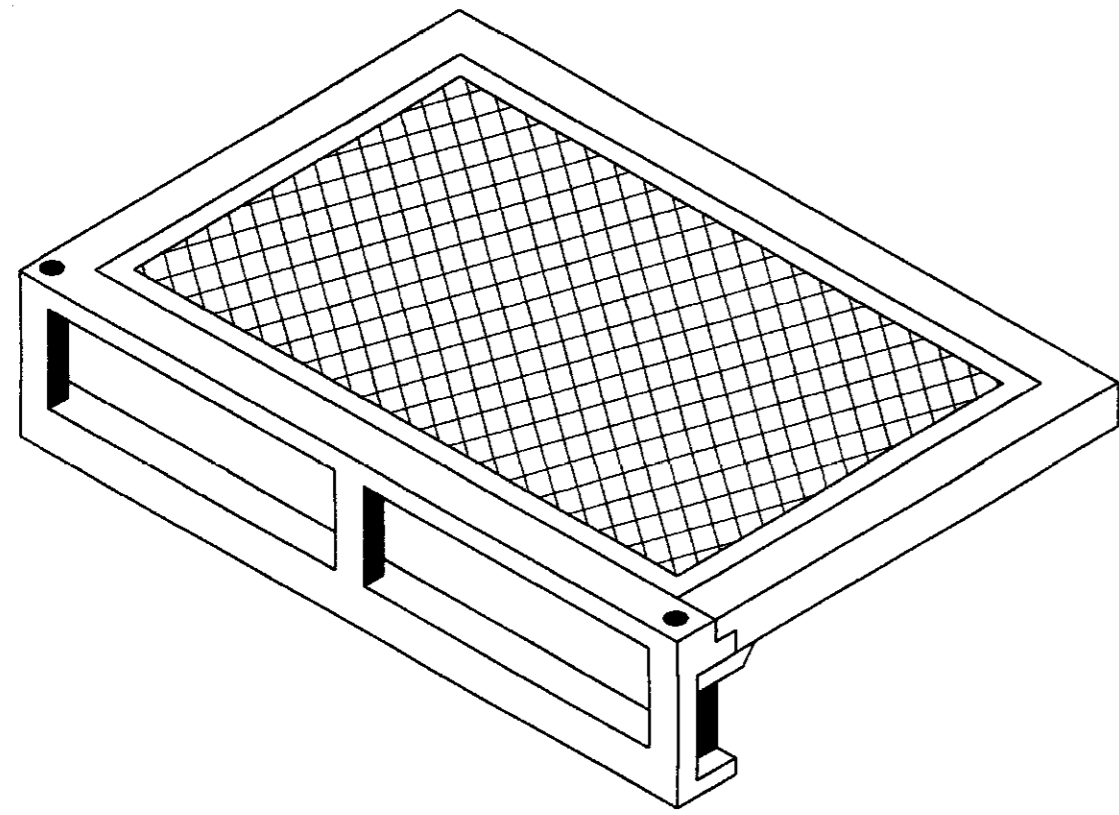


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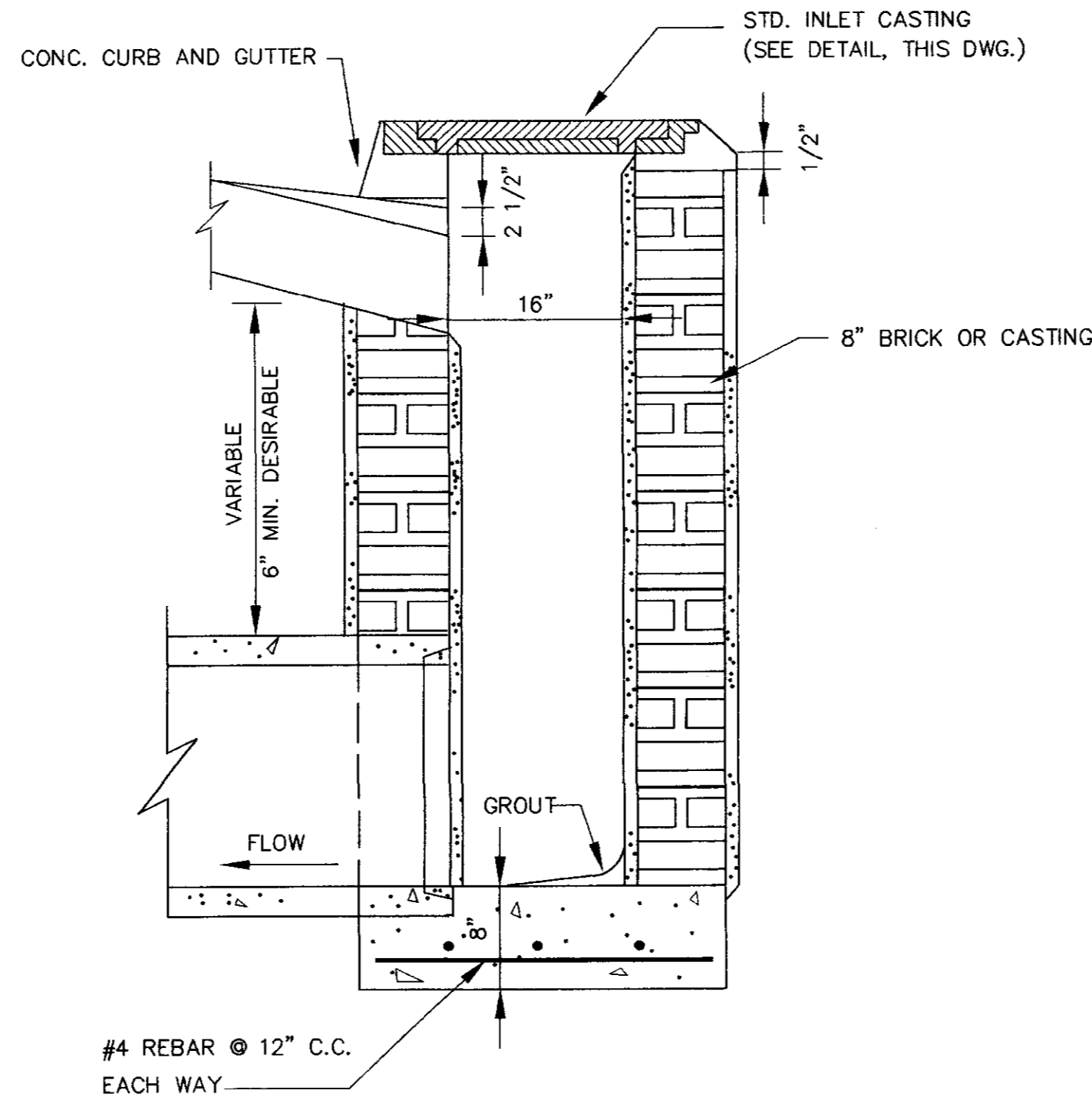
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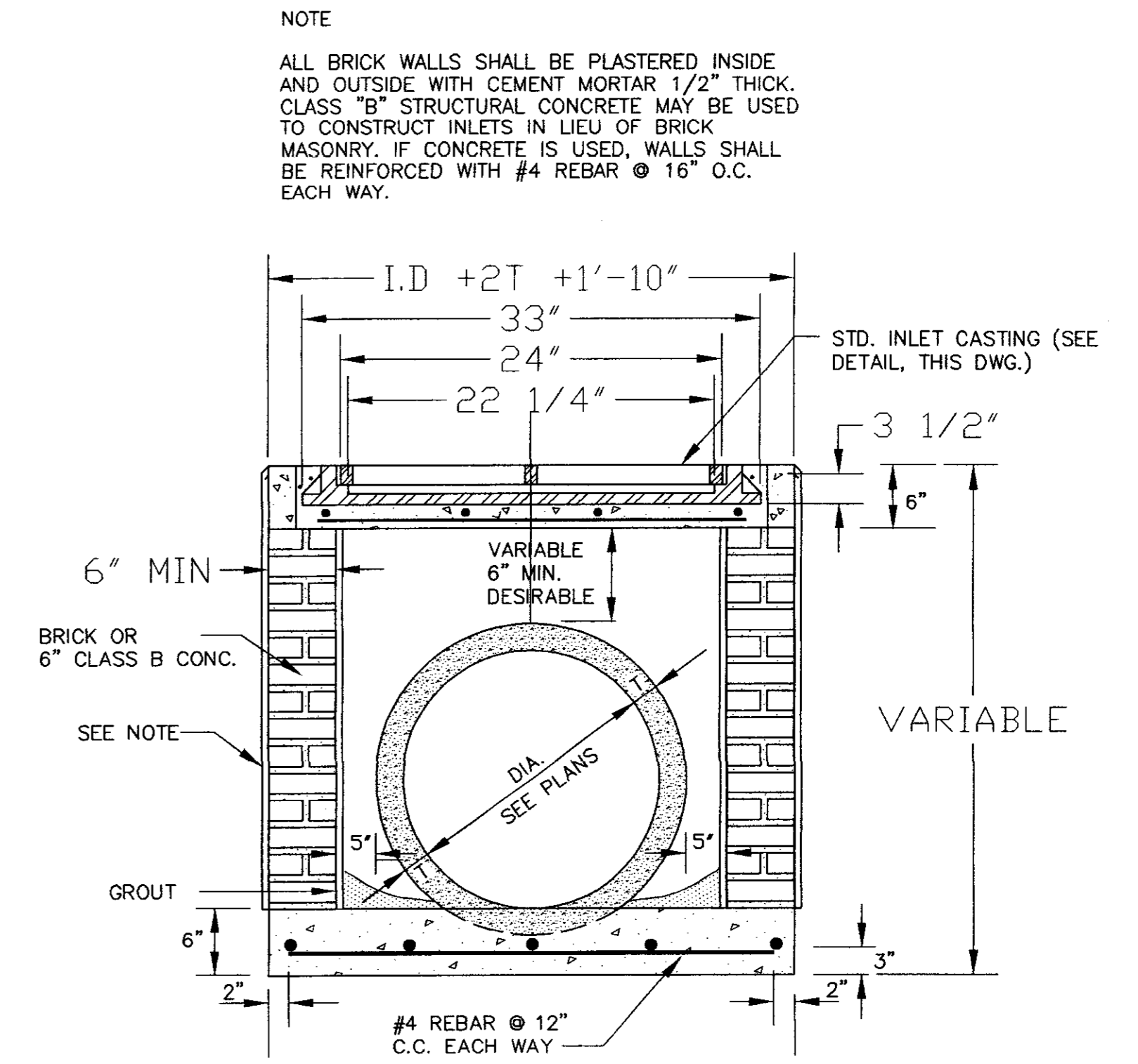
CURB INLET CASTING TO BE:
 4' INLET - DF-2450
 5' INLET - DF-60 (STD. LID)
 ADDED GRATE - DF-2424 SDG
 OR 4' INLET AND DIRECTIONAL GRATE COMBINATION
 OR VULCAN V-4060-2 CURB AND GUTTER INLET OR EQUAL



STANDARD CURB INLET CASTING

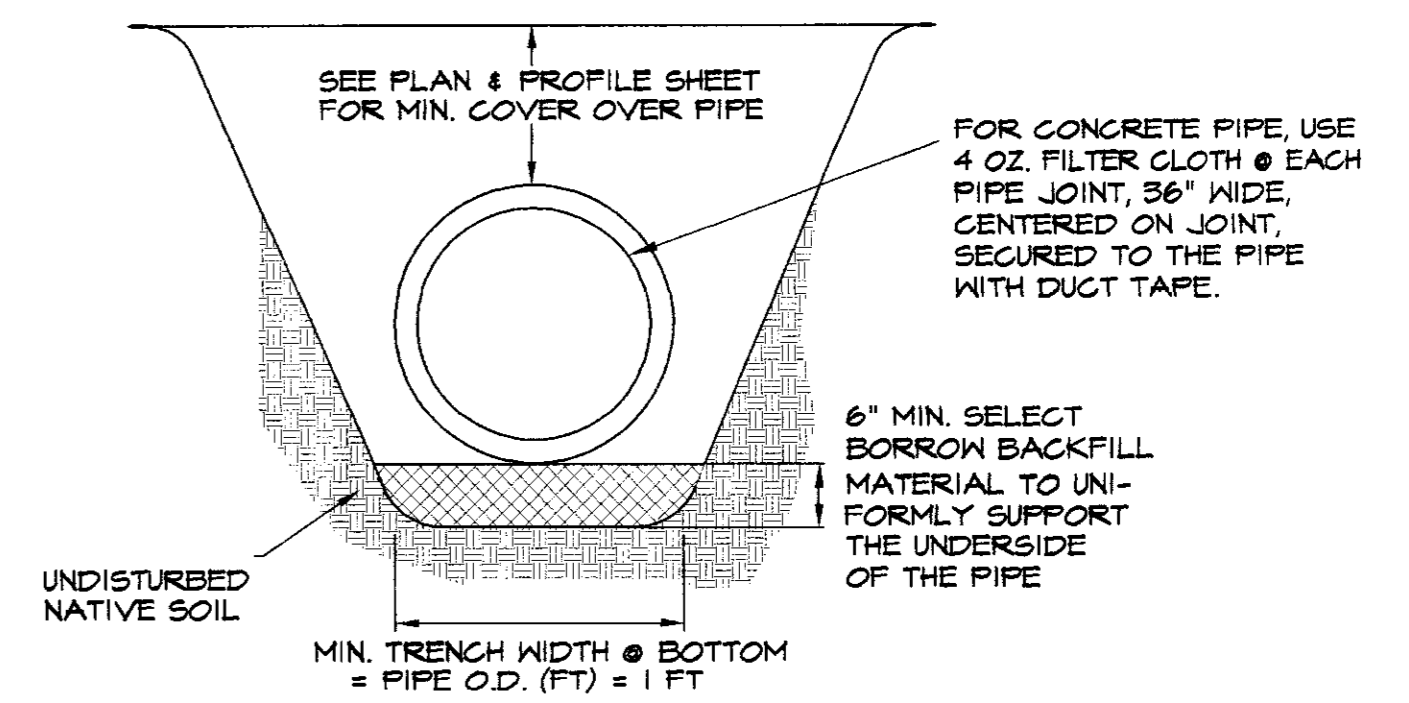


**SECTION E - E
CURB INLET**

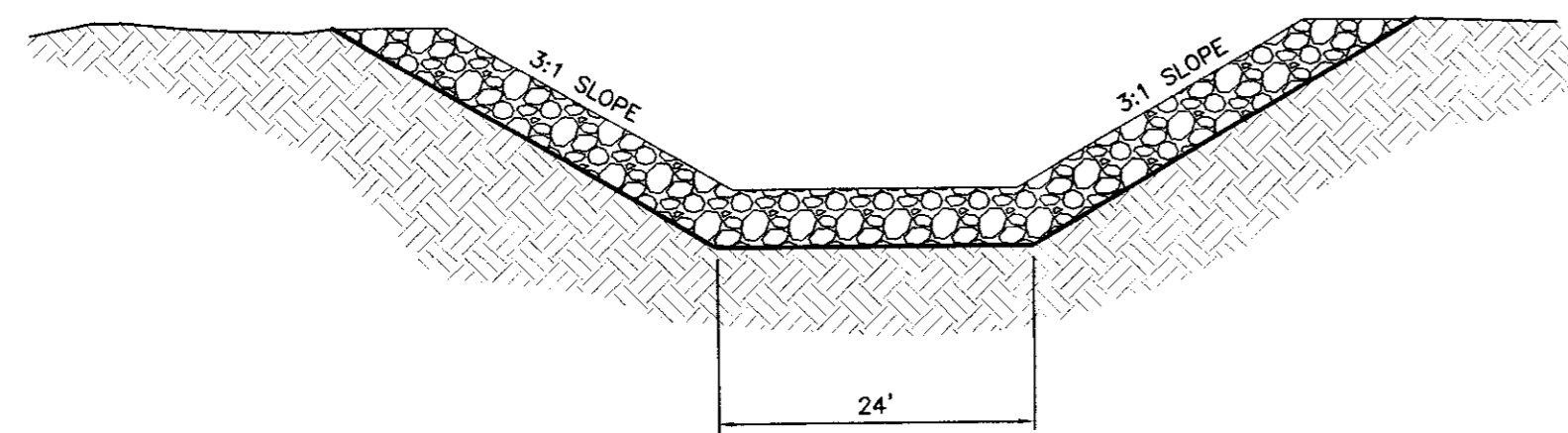


**DROP INLET DETAIL
N.T.S.**

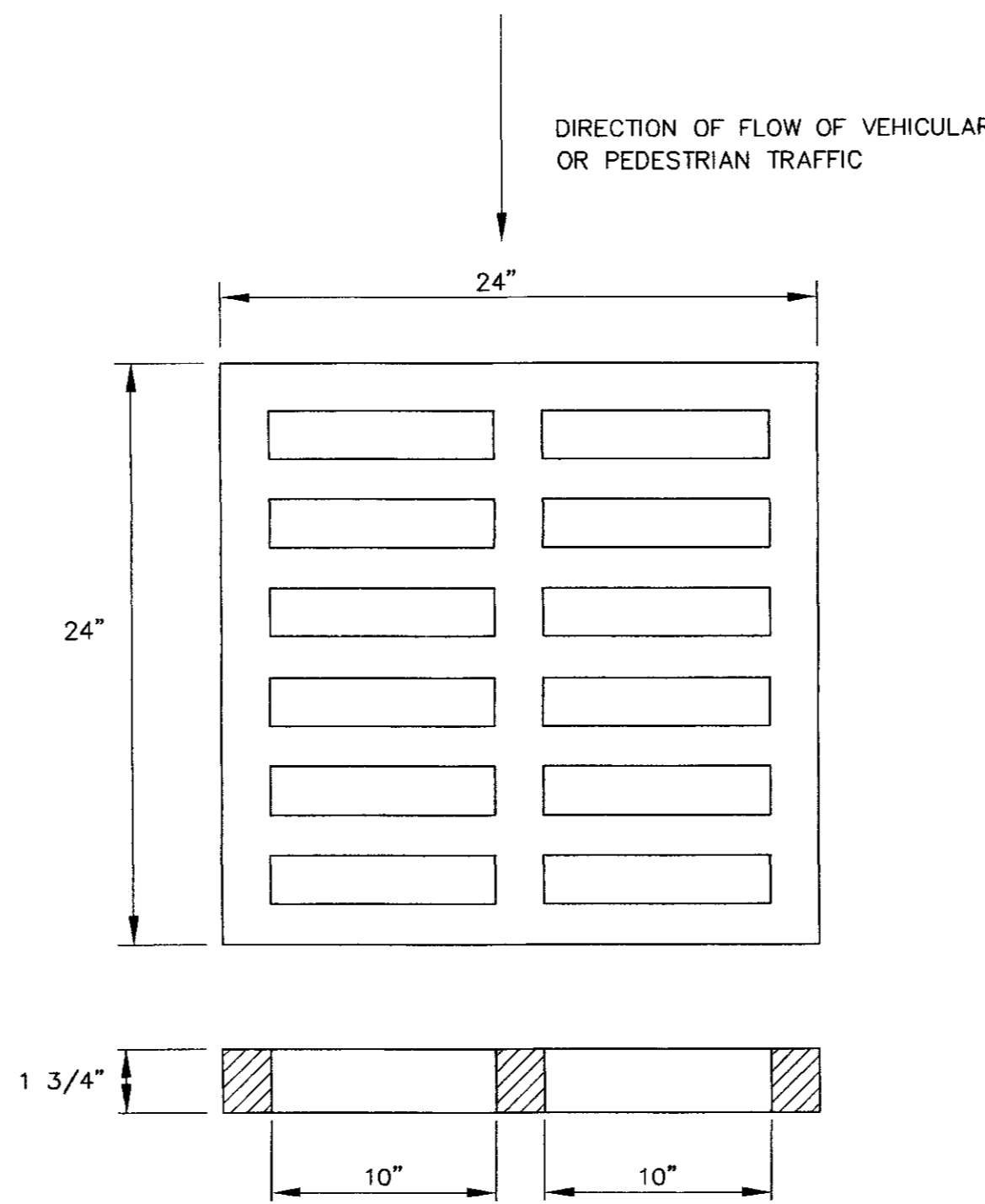
NOTE:
 TRENCH TO BE BACKFILLED WITH
 SELECT BACKFILL MATERIAL
 COMPACTED 95% ASTM D-698



**STORM DRAIN BEDDING DETAIL
N.T.S.**



**DETAIL "A"
LARUE CREEK WIDENING
29+50 TO 32+85.51**



**GRATE DETAIL
N.T.S.**

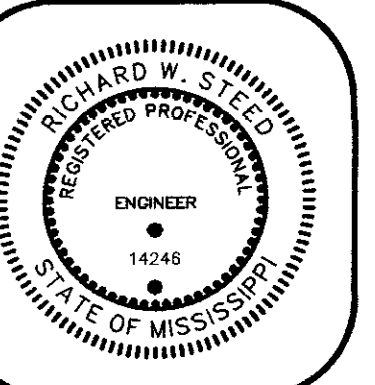
RECORD DRAWING
 THESE DRAWINGS SHOW AS BUILT
 LOCATIONS OF WATER AND SEWER
 SYSTEMS ONLY.

BY: *R.S.* DATE: *9/29/2000*

DRAWN BY: D.A.G.
 CHECK BY: R.W.S.
 DATE: 06/23/00
 REV: _____

Sheet Title
GRADING AND DRAINAGE DETAILS

Project Title
**HIGHLAND PARK OF RIDGELAND
 PHASE I
 RIDGELAND, MISSISSIPPI**



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