

SITE DEVELOPMENT NOTES

- LOT DATA 794 LOTS
VILLAGE A (R-1)
 165 LOTS (SINGLE FAMILY DETACHED COTTAGES)
 BUILDING LINE SETBACK 25'
 SIDE YARD SETBACK 6'
 REAR YARD SETBACK 15'
 MINIMUM LOT WIDTH 35'
 MINIMUM LOT SIZE - 3,850 SQ.FT.
 AVERAGE LOT SIZE - 5,941 SQ.FT.
 (EXCLUDES R.O.W. & COMMON GROUND)
 SMALLEST LOT SIZE SHOWN - 4,088 SQ.FT.
VILLAGE C (R-1)
 117 LOTS (SINGLE FAMILY)
 BUILDING LINE SETBACK - 25'
 SIDE YARD SETBACK - 6'
 REAR YARD SETBACK 15'
 MINIMUM LOT WIDTH - 62'
 MINIMUM LOT SIZE - 6,820 SQ.FT.
 AVERAGE LOT SIZE - 10,496 SQ.FT.
 (EXCLUDES R.O.W. & COMMON GROUND)
 SMALLEST LOT SIZE SHOWN - 7,035 SQ.FT.
VILLAGE E (R-1)
 102 LOTS (SINGLE FAMILY)
 BUILDING LINE SETBACK - 25'
 SIDE YARD SETBACK - 6'
 REAR YARD SETBACK 15'
 MINIMUM LOT WIDTH - 85'
 MINIMUM LOT SIZE - 10,625 SQ.FT.
 AVERAGE LOT SIZE - 20,384 SQ.FT.
 (EXCLUDES R.O.W. & COMMON GROUND)
 SMALLEST LOT SIZE SHOWN - 10,625 SQ.FT.
VILLAGE F (R-1)
 81 LOTS (SINGLE FAMILY)
 BUILDING LINE SETBACK - 25'
 SIDE YARD SETBACK - 6'
 REAR YARD SETBACK 15'
 MINIMUM LOT WIDTH - 100'
 MINIMUM LOT SIZE - 15,000 SQ.FT.
 AVERAGE LOT SIZE - 32,128 SQ.FT.
 (EXCLUDES R.O.W. & COMMON GROUND)
 SMALLEST LOT SIZE SHOWN - 15,000 SQ.FT.
- THIS TRACT IS IN AND SERVED BY -
 DUCKETT CREEK SANITARY DISTRICT
 PUBLIC WATER SUPPLY DISTRICT NO. 2 OF ST. CHARLES COUNTY
 CURVIE RIVER ELECTRIC COOPERATIVE
 CENTURY TEL.
 ST. CHARLES GAS CO.
 WENTZVILLE FIRE PROTECTION DISTRICT & NEW MELLE FIRE PROTECTION DISTRICT
 WENTZVILLE SCHOOL DISTRICT
 O'FALLON POST OFFICE
- STREETS SHALL BE BUILT PER CITY OF O'FALLON SPECIFICATIONS
- ALL DRIVEWAYS SHALL ACCESS INTERIOR STREETS WITH THE EXCEPTION OF THE FOUR CUSTOM LOTS THAT ACCESS DIEHR ROAD.
- GRADING SHALL BE PER CITY OF O'FALLON STANDARDS
- STREET TREES, LANDSCAPING, STREET LIGHTS AND SIDEWALKS SHALL BE PER CITY OF O'FALLON STANDARDS
- UNDERGROUND FACILITY STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDED INFORMATION AND, THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. VERIFICATION OF LOCATION OF ALL UNDERGROUND STRUCTURES AND FACILITIES EITHER SHOWN OR NOT SHOWN ON THESE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE TOPOGRAPHIC SURVEY IS FROM FIRM DATUM
- THIS PROJECT IS IN COMPLIANCE WITH ARTICLE 26 OF THE CITY OF O'FALLON ZONING CODE.
- ALL SIDEWALKS AND TRAILS SHALL BE 4' WIDE MINIMUM.
- THIS PLAT IS NOT FOR RECORD
- A PORTION OF THIS SITE IS IN THE 100 YEAR FLOOD AS SHOWN ON FIRM MAP PANEL NUMBERS 2918300215E & 2918300220E, DATED MARCH 17, 2003 AND FIRM MAP PANEL NUMBERS 2918300405E & 29183004100E DATED AUGUST 2, 1996.
- WETLAND EVALUATIONS HAVE BEEN DETERMINED AND SHALL BE FORWARDED TO THE CITY.
- PROPOSED LIGHT STANDARDS SHALL BE 16' TALL.
- THE PROPOSED UTILITIES AND SEWERS WILL BE COVERED BY EASEMENTS GRANTED TO THE APPROPRIATE UTILITY COMPANIES AND MUNICIPALITIES.
- COVENANTS & RESTRICTIONS WILL BE SIMILAR TO HOMEFIELD. (Book 2333, Page 79 Amended Book 2474, Page 1951)
- THE DEVELOPER SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE DEPT. OF NATURAL RESOURCES AND THE ARMY CORPS OF ENGINEERS PRIOR TO DEVELOPMENT.
- ALL ENTRANCE MONUMENTS AND LOCATIONS MUST BE APPROVED SEPARATELY IN ACCORDANCE WITH THE CITY'S SIGN CODE.
- THE DEVELOPER WILL PROVIDE THE APPROPRIATE APPROVALS FROM DNR AND COE FOR THIS DEVELOPMENT'S IMPACT ON THE EXISTING CREEK.
- NO PORTION OF THE DWELLINGS, INCLUDING THE FOOTING AND ROOF OVERHANG, SHALL ENROACH INTO THE FIVE (5) FOOT SETBACK/EASEMENT IN ORDER TO MEET BUILDING AND FIRE DEPARTMENT REQUIREMENTS.
- A SEPARATE SITE PLAN SUBMITTAL WILL BE PROVIDED FOR THE COMMON GROUND AMENITIES SUCH AS BUILDING ELEVATIONS, LANDSCAPING, ETC.
- A 60' WIDE DRAINAGE EASEMENT IS TO BE CENTERED ALONG THE CENTERLINE OF THE EXISTING DRAINAGE DITCH AND WILL BE SHOWN ON THE RECORD PLAT. AREA WITHIN THIS EASEMENT IS TO REMAIN UNDISTURBED.
- UNLESS NOTED OTHERWISE, ALL EXISTING STRUCTURES AND IMPROVEMENTS ARE TO BE REMOVED.
- PRIOR TO THE ISSUANCE OF BUILDING PERMITS FOR MORE THAN 30% OF THE TOTAL UNITS, BUILDING PERMITS FOR ALL OF THE RECREATIONAL AMENITIES SHALL BE PULLED. PRIOR TO THE ISSUANCE OF BUILDING PERMITS FOR 40% OF THE TOTAL UNITS, ALL RECREATIONAL AMENITIES SHALL BE OPEN FOR USE.
- ADDITIONAL RIGHT OF WAY IS BEING DEDICATED TO PROVIDE THE EXISTING DIEHR ROAD WITH A R.O.W. WIDTH OF 80'.
- ENTRANCE AND ALL IMPROVEMENTS WITHIN HIGHWAY N RIGHT-OF-WAY (INCLUDING ANY ADDITIONAL R.O.W. DEDICATION REQUIRED) WILL BE COORDINATED WITH AND APPROVED BY MODOT. A 10' WIDE UTILITY EASEMENT SHALL BE PROVIDED ALONG DEDICATED HIGHWAY N ROW.
- AN INTERNAL STREET LOOP WILL BE PROVIDED WITH THE FIRST PHASE OF DEVELOPMENT FOR BUS TRAFFIC
- PROPOSED PEDESTRIAN FOOTBRIDGE DETAIL WILL BE PROVIDED WITH COMMON GROUND & AMENITIES PLANS
- THIS DEVELOPMENT WILL PROVIDE A STORM WATER SYSTEM THAT INSURES THAT THE RATE OF FLOW OF STORM WATER RUNOFF DISCHARGED FROM THE SITE AFTER DEVELOPMENT DOES NOT EXCEED THE RATE OF FLOW OF STORM WATER RUNOFF DISCHARGED FROM THE SITE FOR THE DESIGNATED STORM EVENT BEFORE DEVELOPMENT.
- FENCING ALONG THE REAR OF LOTS ADJACENT TO THE COLLECTOR AND ARTERIAL RIGHTS-OF-WAY SHALL BE WHITE-VINYL FENCE REGULATED BY THE COAR'S OF THE SUBDIVISION
- STREETS "WYNDGATE RIDGE DRIVE" AND "PAUL RENAUD BLVD." ARE TO HAVE STREET TREES PLANTED AT A SPACING OF 30'± FROM CENTER TO CENTER. ALL LOTS BACKING STREETS "WYNDGATE RIDGE DRIVE" AND "PAUL RENAUD BLVD." ARE TO BE LIMITED TO ONE FENCE STYLE DESIGNATED BY THE HOMEOWNERS ASSOCIATION.
- AS PART OF THE SALES CONTRACTS FOR LOTS WITH FLOODWAY AND UNDISTURBED DRAINAGE EASEMENTS ON THEM, THE PURCHASER MUST SIGN AN ACKNOWLEDGEMENT STATING THAT MAINTENANCE OF THAT UNDISTURBED AREA, DRAINAGE WAY AND/OR CREEK WILL BE THE HOME OWNER'S RESPONSIBILITY (LOTS 749, 760, 761, 779, 780, 781, & 782).
- A 10' WIDE NO-GRADE ZONE SHALL BE MAINTAINED BETWEEN VILLAGE A AND ADJACENT LOTS TO THE WEST. ANY EXISTING TREES DESTROYED IN THIS BUFFER SHALL BE REPLACED WITH A THREE (3) INCH CALIPER DECIDUOUS TREE.
- ALL AMENITIES SHALL BE HANDICAPPED ACCESSIBLE WITH PROPER NUMBER OF PARKING SPACES PROVIDED.
- THE BIKE PATH ALONG HIGHWAY N SHALL BE CONSTRUCTED IN CONJUNCTION WITH THE SUBDIVISION CONSTRUCTION.
- STREETS "WYNDGATE RIDGE DRIVE" AND "PAUL RENAUD BLVD." SHALL BE DESIGNED TO MEET OR EXCEED CITY OF O'FALLON COLLECTOR ROAD STANDARDS AND SPECIFICATIONS. THE DESIGN SPEED FOR STREET "PAUL RENAUD BLVD." SHALL BE 35 M.P.H. AND THE POSTED SPEED SHALL BE 30 M.P.H.

TREE PRESERVATION

Existing trees = 256.6 Acres
 Trees Saved = 141.2 Acres = 55% of trees saved
 Per ordinance, no trees need to be replaced

STREET TREES

1 tree shall be provided for every lot, street frontage.
 (corner lots shall require additional trees for each street adjoining it.)

794 lots = 794 trees
 Corner lots fronting two streets = 111 additional trees
 Corner lots fronting three streets = 7 additional trees
 Collector Road trees (30' spacing) = 315 additional trees

Total trees required = 1294 trees

REVEGETATION SCHEDULE

Seeding Rates:

Permanent:
 Tall Fescue - 30 lbs./ac.
 Smooth Brome - 20 lbs./ac.
 Combined: Fescue @ 15 lbs./ac. and Brome @ 10 lbs./ac.

Temporary:
 Wheat or Rye - 150 lbs./ac. (35 lbs. per square foot)
 Oats - 120 lbs./ac. (27.5 lbs. per square foot)

Seeding Periods:
 Fescue or Brome - March 1 to June 1
 August 1 to October 1
 Wheat or Rye - March 15 to November 1
 Oats - March 15 to September 15

Mulch rates: 100 lbs. per 1,000 sq. ft. (4,356 lbs. per acre)

Fertilizer rates: Nitrogen 30 lbs./ac.
 Phosphate 30 lbs./ac.
 Potassium 30 lbs./ac.
 Lime 500 lbs./ac. @ 24"

*NMI = effective neutralizing material as per State evaluation of quarried rock

POOL / BATHHOUSE PARKING CALCULATIONS

1 PARKING SPACE / 10 UNITS
 794 LOTS = 83 PARKING SPACES PROVIDED

Duckett Creek Sanitary District

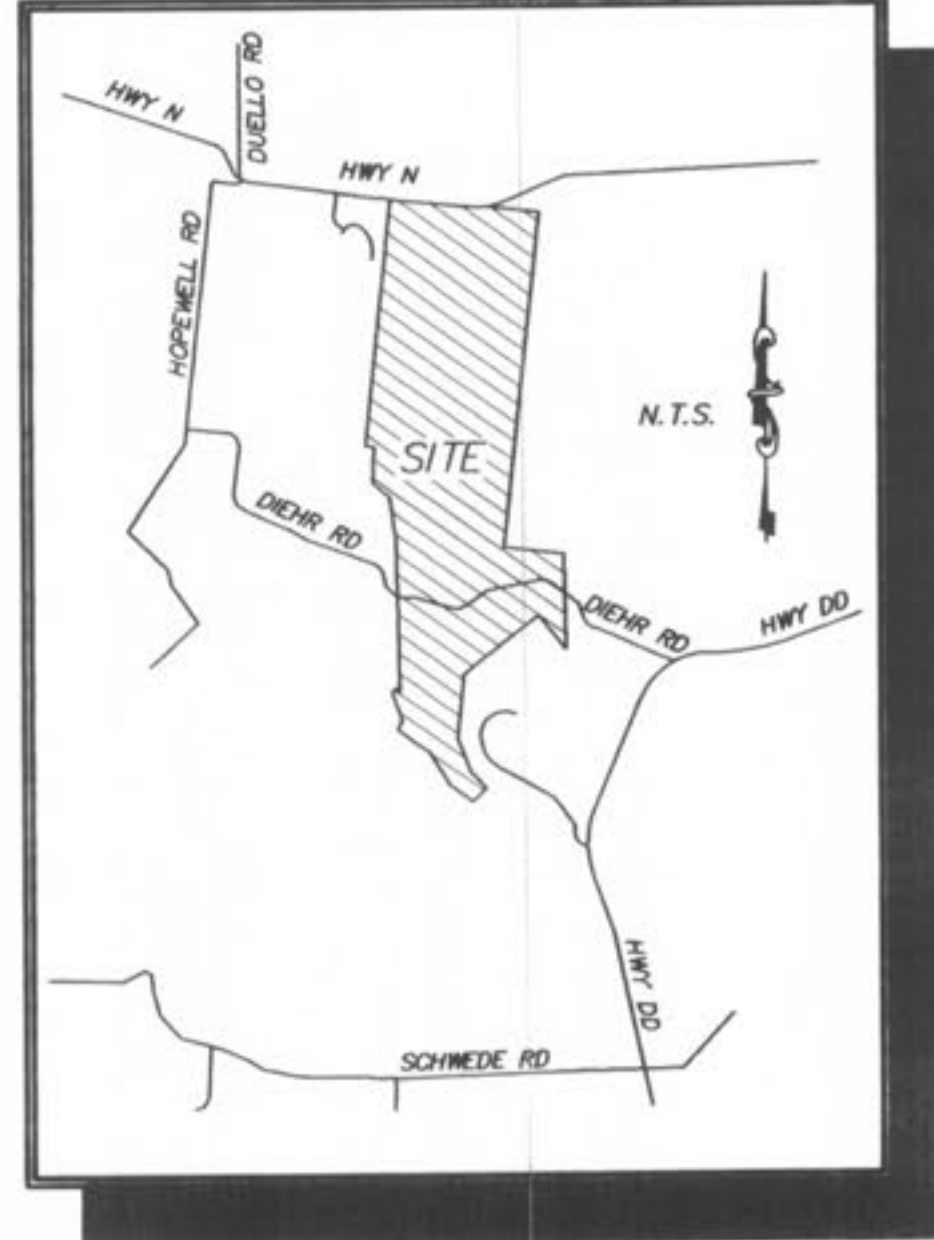
Phase One

WYNDGATE IMPROVEMENT PLANS

(794 LOTS)

TRACTS OF LAND BEING PART OF FRACTIONAL SECTIONS 16 & 17, AND U.S. SURVEYS 61 & 417, TOWNSHIP 46 NORTH, RANGE 2 EAST, ST. CHARLES COUNTY, MISSOURI

LOCATION MAP



Call BEFORE you DIG
 TOLL FREE
1-800-344-7483
 MISSOURI ONE-CALL SYSTEM, INC.

MoDOT LOCATOR: 314-340-4100

PROJECT BENCH MARK

U.S.G.S. BENCH MARK
 At Dardenne T. 46N., R. 2E. Near Approx. Corner Sections 1, 2, 11 & 12, 31' north & 20' west of crossroads, 49' south of S.E. corner of Catholic Church, 2.0' north of sidewalk & in a concrete post standard tablet stamped "T1" Dec. 1936 6150
 Elev. 616.50'

LEGEND

	Sanitary Sewer (Proposed)		R.C.P.	Reinforced Concrete Pipe
	Sanitary Sewer (Existing)		C.M.P.	Corrugated Metal Pipe
	Storm Sewer (Proposed)		C.I.P.	Cast Iron Pipe
	Storm Sewer (Existing)		P.V.C.	Polyvinyl Chloride
	Water Line & Size		V.C.P.	Vitrified Clay Pipe
	Existing water line			
	Tee & Valve		C.O.	Clean Out
	Hydrant		V.T.	Vent Trap
	Cap		T.B.R.	To Be Removed
	Lot or Building Number		T.B.R.&R	To Be Removed & Relocated
	Existing Fence Line		T.B.P.	To Be Protected
	Existing Tree Line		T.B.A.	To Be Abandoned
	Street Sign		B.C.	Base Of Curb
	Existing Contour		T.C.	Top Of Curb
	Proposed Contour		T.W.	Top Of Wall
	Rip-Rap		B.W.	Base Of Wall
	End of Lateral		(TYP)	Typical
	Asphalt Pavement		U.N.O.	Unless Noted Otherwise
	Concrete Pavement		U.I.P.	Use in Place
	Proposed Swale		S.A.S.	Sinkhole Access Structure
				Yield Sign

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20A-21A	VILLAGE "A" STORM SEWER PROFILES
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"DCSD AS-BUILTS"

12-19-05

Duckett Creek Sanitary District
 Phase One
WYNDGATE IMPROVEMENT PLANS
 COVER SHEET

Prepared For:
SUMMIT POINTE, L.C.

333 Mid Rivers Mall Drive
 St. Peters, MO 63376
 Phone (636) 397-1211
 Fax (636) 397-1104

PICKETT RAY & SILVER
 CIVIL ENGINEERS
 PLANNERS
 LAND SURVEYORS

239 FOX HILL ROAD
 ST. CHARLES, MO. 63301
 (636) 949-9200

REVISIONS	NO.	DATE	REVISIONS PER CITY	REVISIONS PER DCD	REVISIONS PER DCD #2	REVISIONS PER DCD #3	REVISIONS PER CITY OF O'FALLON
	1	10/26/04					
	2	12/09/04					
	3	12/20/04					
	4	01/20/05					
	5	02/03/05					
	6	02/16/05					
	7	03/08/05					
	8	03/28/05					
	9	04/08/05					
	10	04/13/05					

ENGINEERS AUTHENTICATION
 The responsibility for professional engineering liability on this project is hereby limited to the set of plans authenticated by the seal, signature, and date hereunder attached. Responsibility is disclaimed for all other engineering plans involved in this project and specifically excludes revisions after this date unless reauthenticated.

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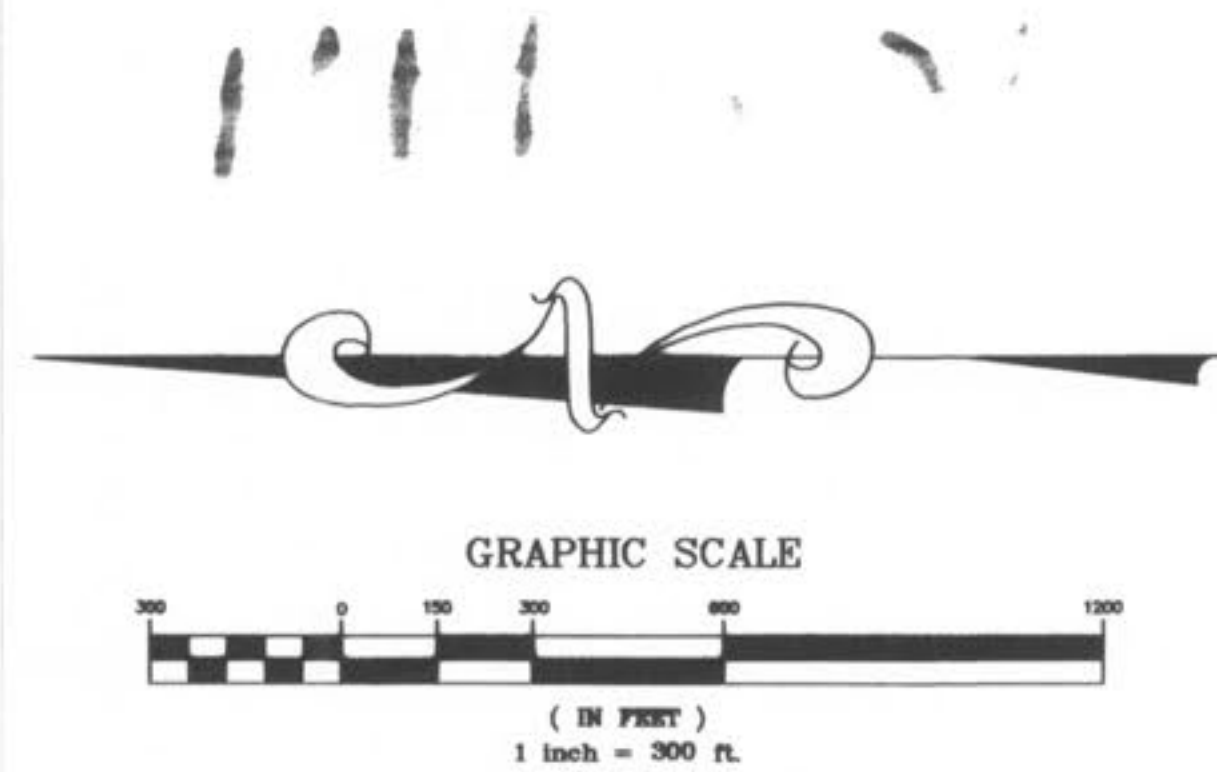
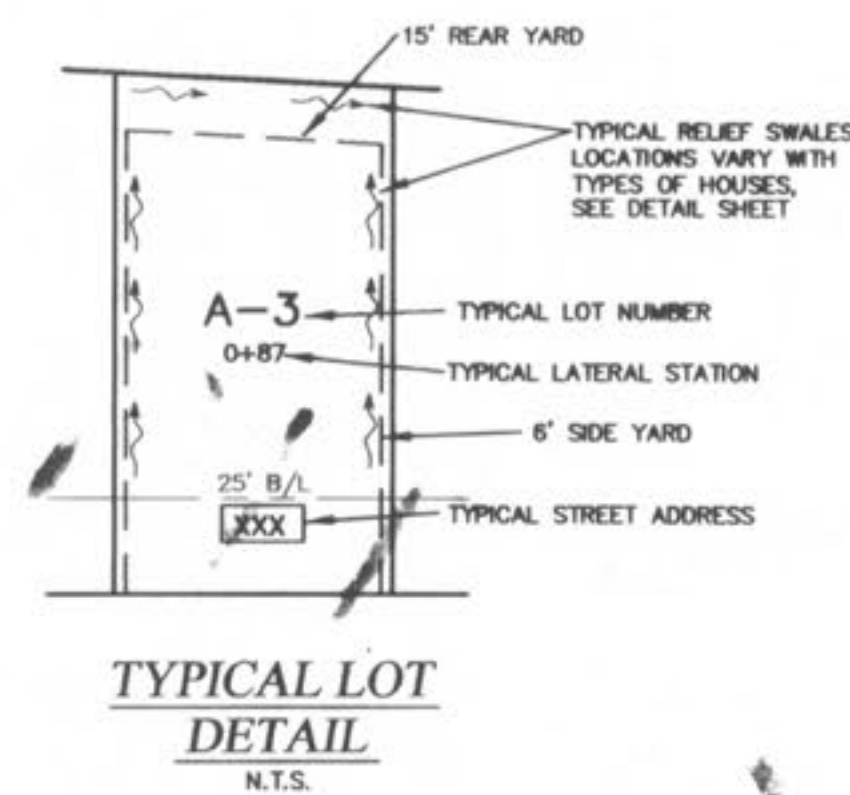
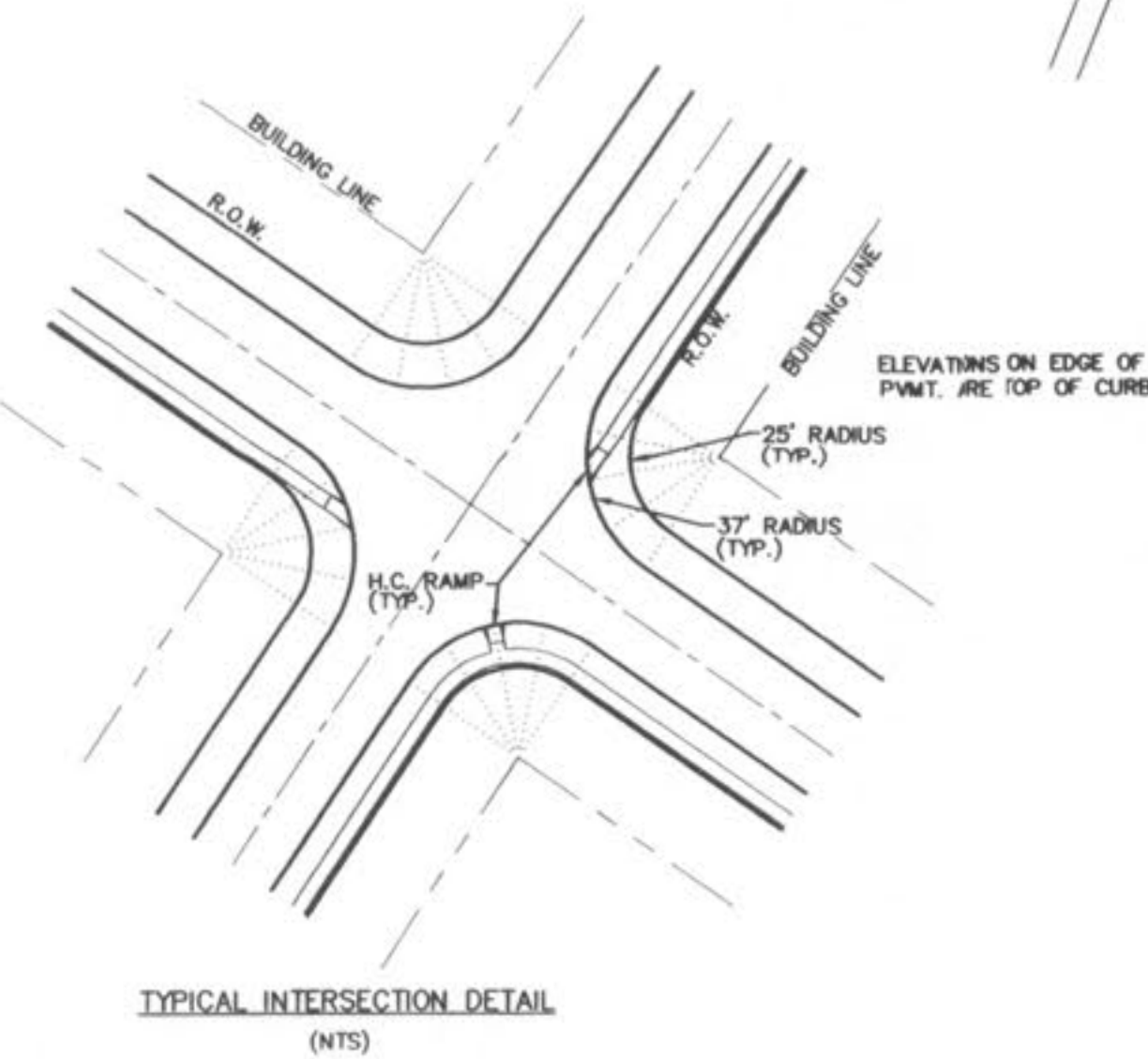
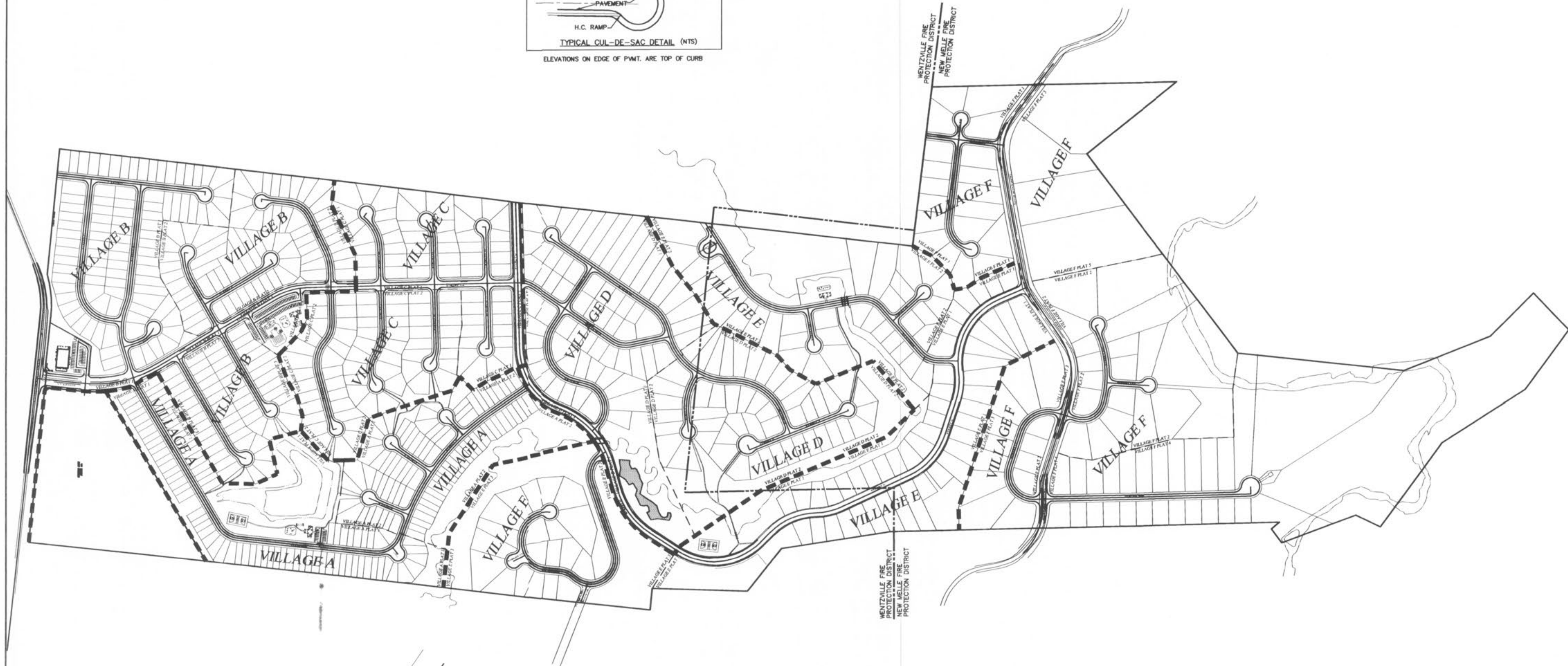
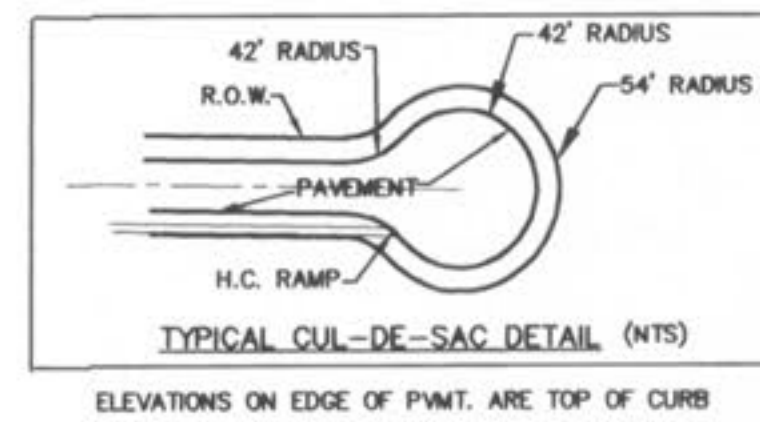
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CHECKED	D.W.D.	DATE	6-29-04
PROJECT #	01267.SU.02R	TASK #	2
FIELD BOOK			

WYNDGATE - PHASE 1
 COVER SHEET

SHEET 1 OF 174

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AS-BUILT PLANS



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LAND SURVEYORS
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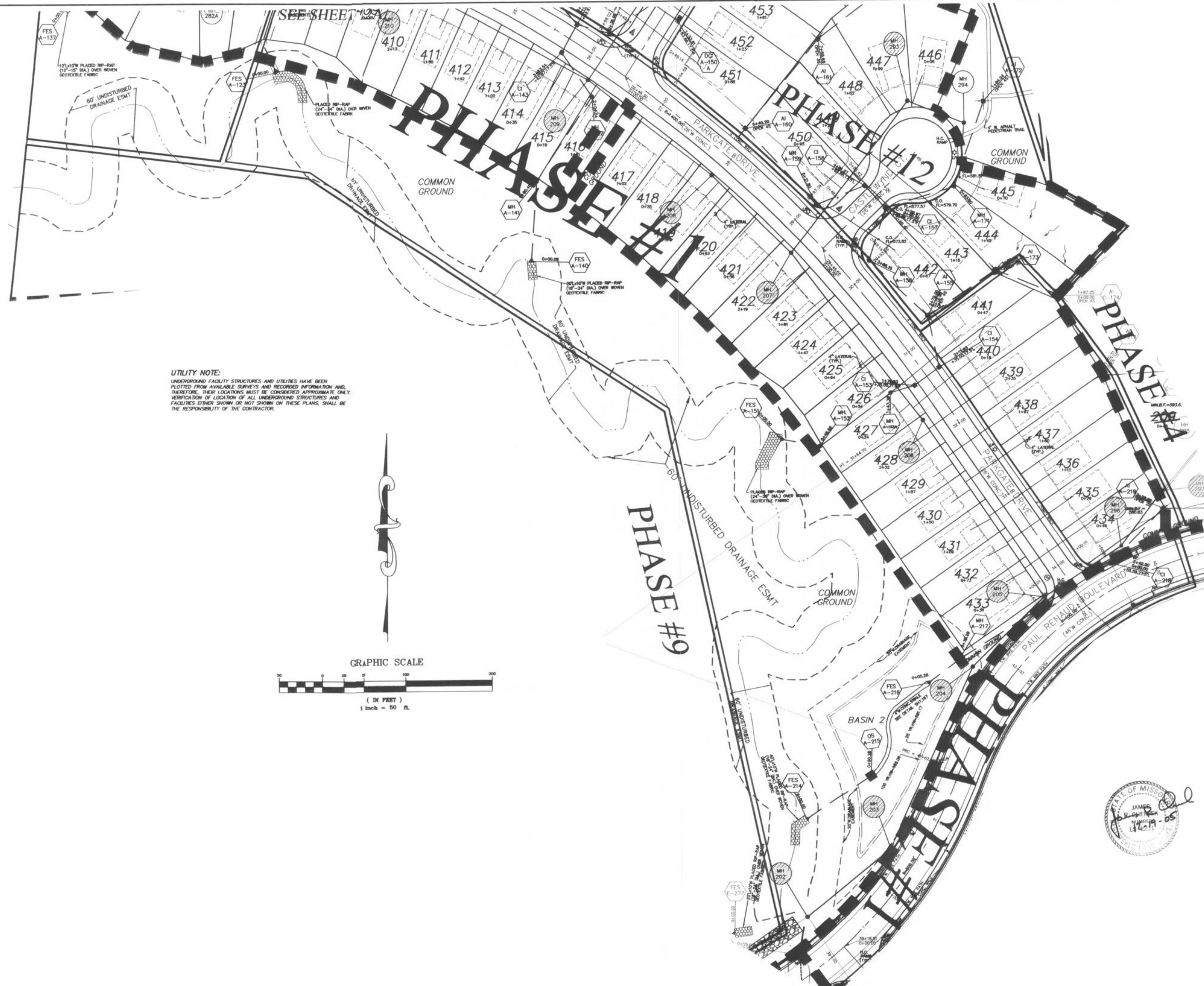
WYNDGATE
SITE MAP
Prepared For:
SUMMIT POINTE, L.C.
139 FOX HILL ROAD
ST. CHARLES, MO. 63301
(636) 940-9500

REVISIONS NO.	DATE	REVISED PER CITY	REVISED PER CITY OF FALLON
1	10/25/04		
2	02/19/05		

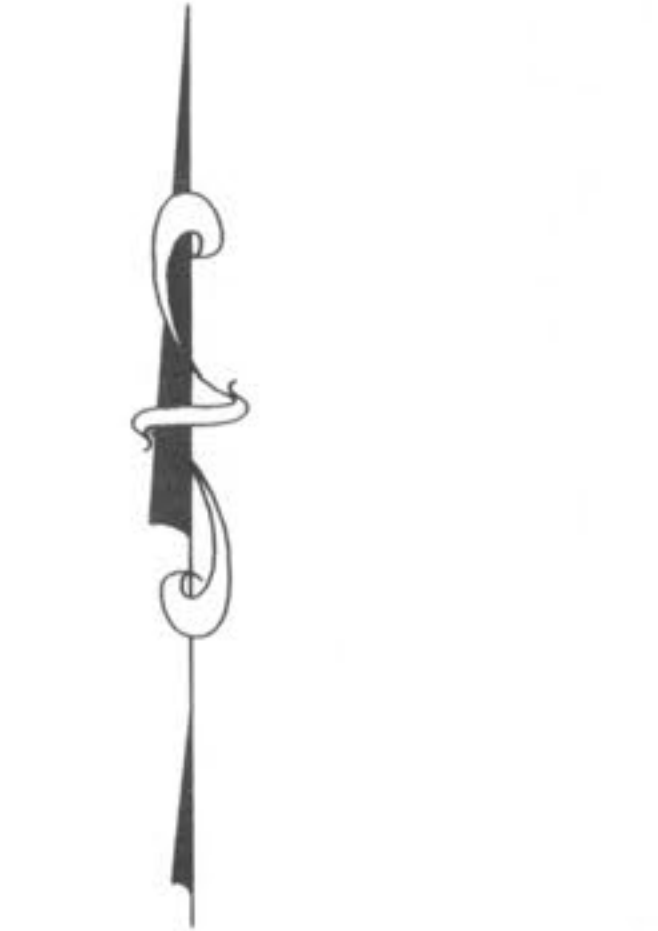
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CHECKED	D.W.D.	DATE	6-29-04
PROJECT #	01267.SUPD.02R	FIELD BOOK	

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"DCSD AS-BUILTS"
 PHASE 1
 12/19/05

REVISIONS NO.	DATE	REVISED PER CITY	REVISED PER DCSD	REVISED PER DCSD	REVISED PER CITY OF FALLON
1	10/25/04				
2	12/20/04				
3	2/05/05				
4	06/18/05				
5	09/08/05				
6	09/08/05				
7	09/08/05				
8	09/08/05				
9	09/08/05				
10	4/15/06				
11	12/19/06				

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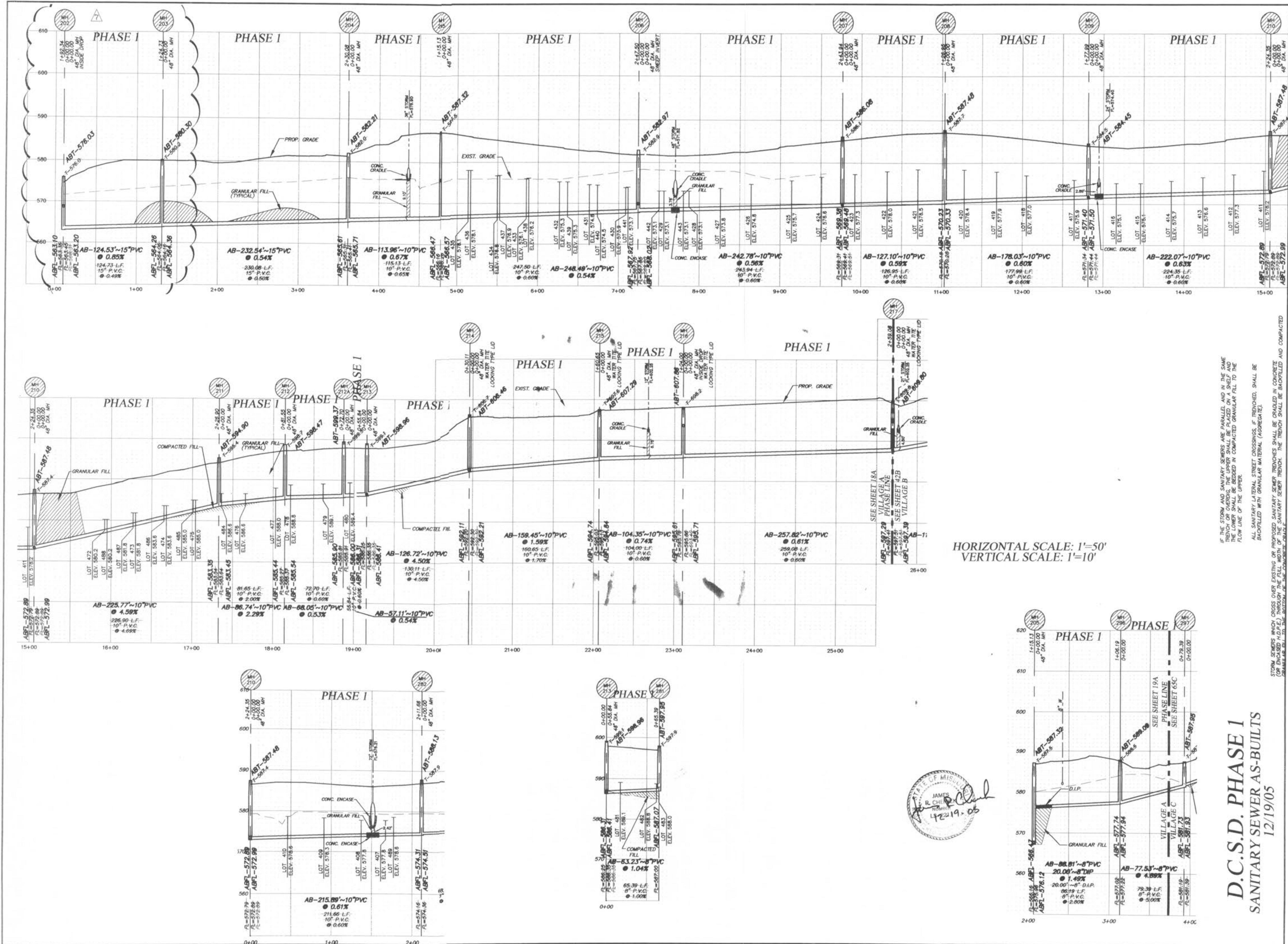
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CHECKED	DMD	DATE	6-29-04
PROJECT # 01267-SUPO.02R		TASK # 2	
		FIELD BOOK	

WYNDGATE VILLAGE A SITE PLAN
 SHEET 13A OF 174
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WYNDGATE VILLAGE A SITE PLAN
 Prepared For:
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 MO 63091
 (636) 940-8977

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STATE OF MISSISSIPPI
 JAMES R. CHESTER
 REGISTERED PROFESSIONAL ENGINEER
 42219.05

D.C.S.D. PHASE 1
SANITARY SEWER AS-BUILTS
 12/19/05

NO.	DATE	REVISIONS
1	10/25/04	REVISED PER CITY
2	02/15/05	REVISED PER CITY OF FALLON
3	05/05/05	REVISED PER CITY OF FALLON
4	04/05/05	REVISED PER CITY AND CLIENT
5	12/19/05	DCSD PHASE 1 AS-BUILTS

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PICKETT, RAY & SILVER, INC.

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CHECKED	DWD	DATE	6-29-04
PROJECT	# 01267.SUPD.02R		
TASK	# 2 FIELD BOOK		

PICKETT RAY & SILVER
 CIVIL ENGINEERS
 PLANNERS
 LAND SURVEYORS

333 Mid Rivers Mall Drive
 St. Peters, MO 63376
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 Fax (636) 397-1104

WYNDGATE VILLAGE A
 SANITARY SEWER PROFILES

Prepared For:
SUMMIT POINTE, L.C.

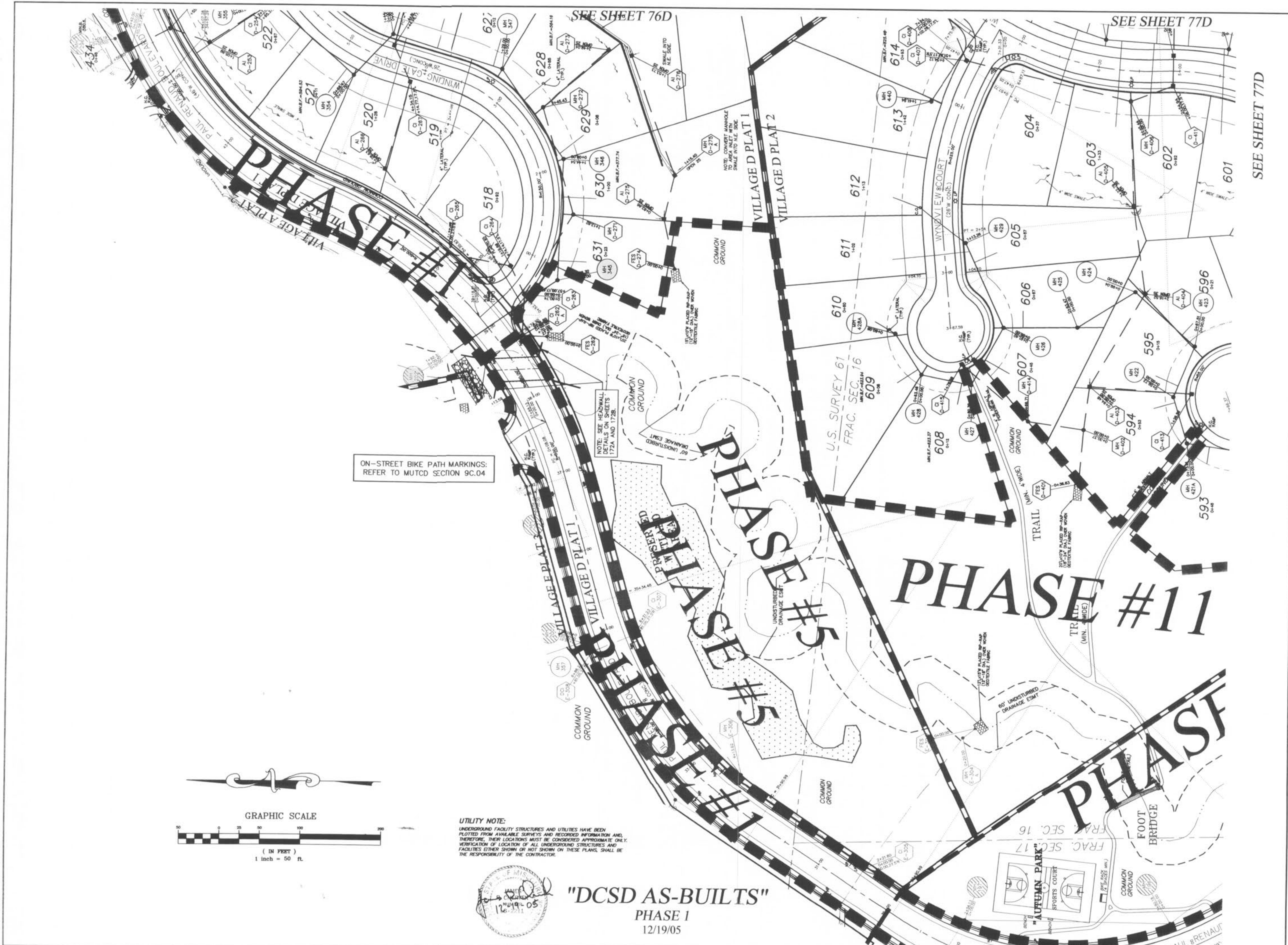
239 FOX HILL ROAD
 ST. CHARLES, MO 63301
 (636) 940-9300

HORIZONTAL SCALE: 1"=50'
 VERTICAL SCALE: 1"=10'

IF THE STORM AND SANITARY SEWERS ARE PARALLEL AND IN THE SAME TRENCH, THE STORM SEWER SHALL BE LOCATED IN CONCRETE (OR ENCASED H.D.P.E.) THROUGH THE FULL WIDTH OF THE SANITARY SEWER TRENCH. THE TRENCH SHALL BE BACKFILLED AND COMPACTED GRANULAR FILL TO THE BOTTOM OF THE CONCRETE ENCASE.

ALL SANITARY LATERAL STREET CROSSINGS, IF PROVIDED, SHALL BE BACKFILLED WITH GRANULAR MATERIAL (AGGREGATE).

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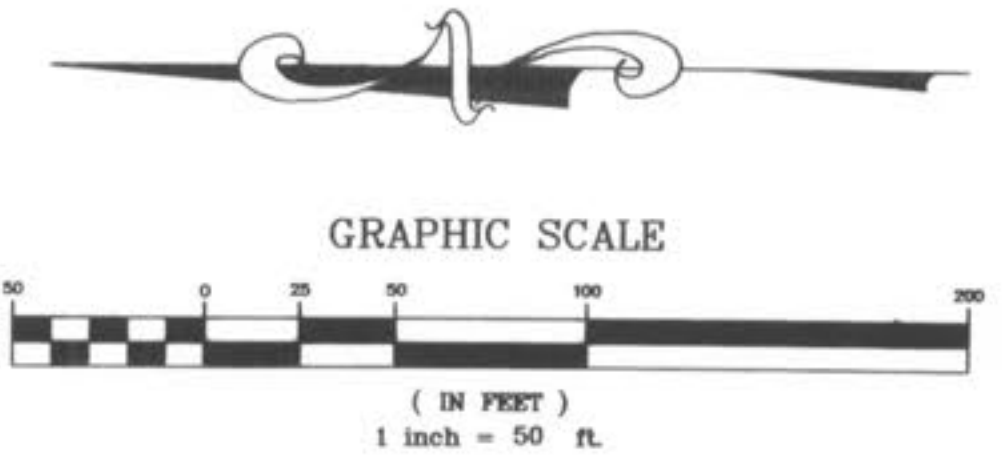


SEE SHEET 77D

ON-STREET BIKE PATH MARKINGS:
REFER TO MUTCD SECTION 9C.04

SEE SHEET 76D

SEE SHEET 77D



UTILITY NOTE:
UNDERGROUND FACILITY STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDED INFORMATION AND, THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. VERIFICATION OF LOCATION OF ALL UNDERGROUND STRUCTURES AND FACILITIES EITHER SHOWN OR NOT SHOWN ON THESE PLANS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.



"DCSD AS-BUILTS"
PHASE 1
12/19/05

PICKETT RAY & SILVER
CIVIL ENGINEERS
PLANNERS
LAND SURVEYORS
333 Mid Rivers Mall Drive
St. Peters, MO 63376
Phone (636) 397-1211
Fax (636) 397-1104

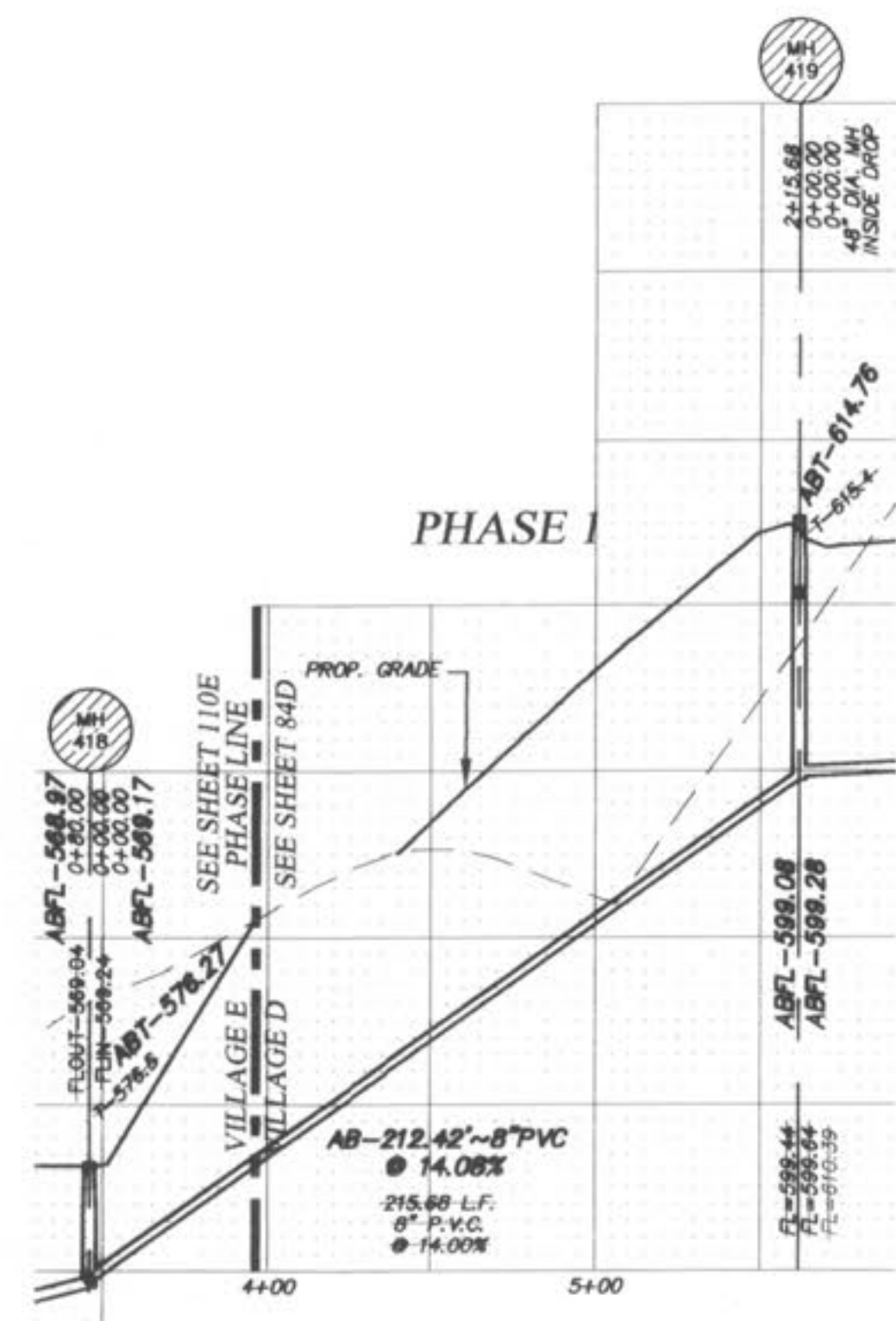
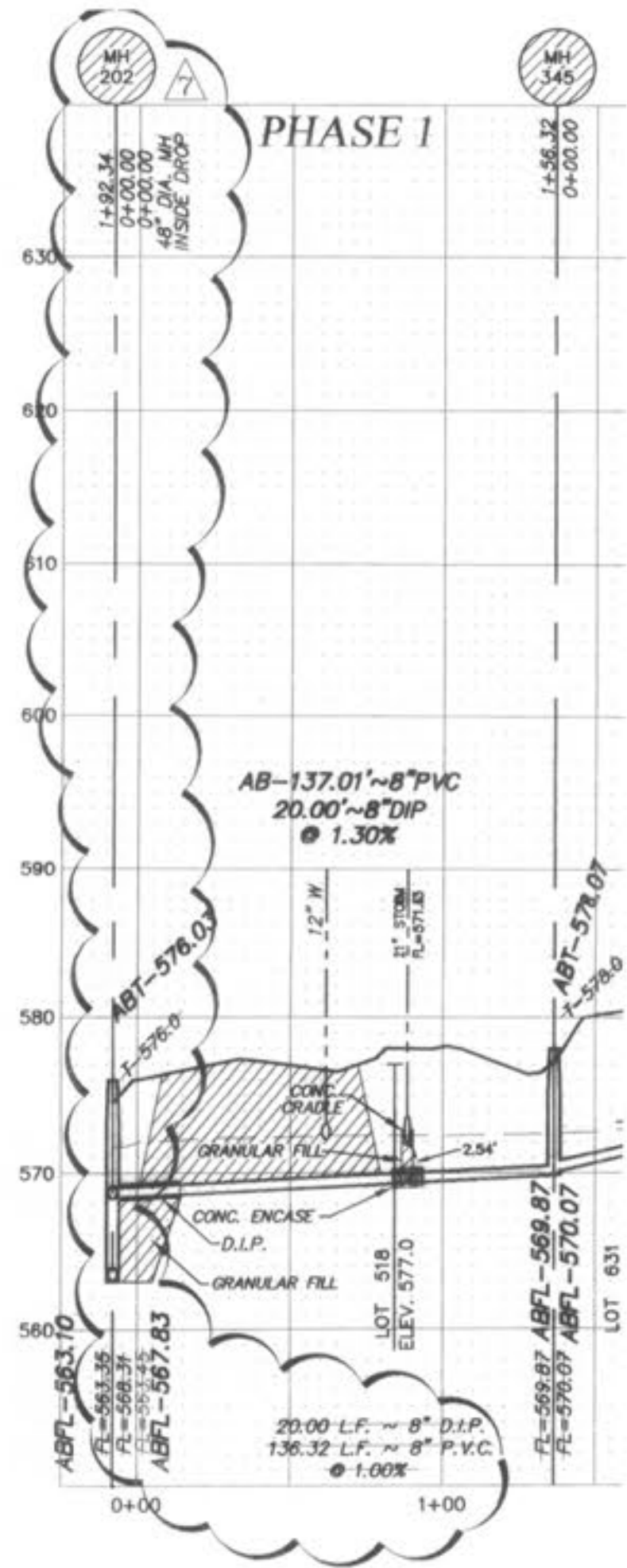
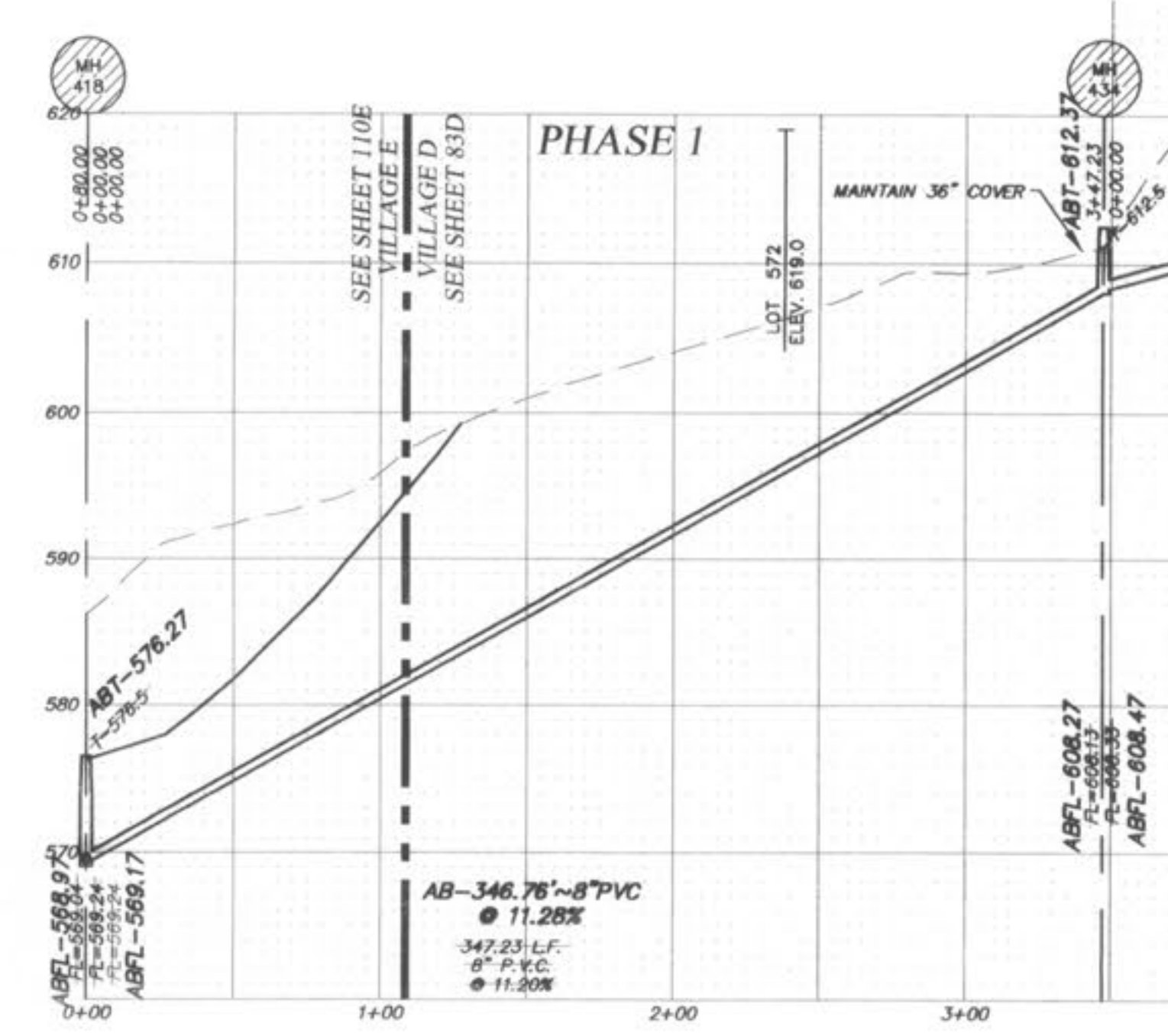
WYNDGATE VILLAGE D SITE PLAN
Prepared For:
SUMMIT POINTE, L.C.
219 FOX HILL ROAD
CUMMINGS, MO 63091
(636) 340-9977

NO.	DATE	REVISED PER CITY
1	10/26/04	REVISED PER CITY
2	12/20/04	REVISED PER DCSD
3	2/23/05	REVISED PER CITY
4	2/23/05	REVISED PER CITY
5	02/18/06	REVISED PER CITY OF FALLON
6	02/18/06	REVISED PER CITY OF FALLON
7	02/18/06	REVISED PER CITY OF FALLON
8	02/18/06	REVISED PER CITY OF FALLON
9	02/18/06	REVISED PER CITY & CLIENT
10	12/19/05	DCSD AS-BUILTS

ENGINEERS AUTHENTICATION
The responsibility for professional engineering liability on this project is hereby limited to the set of plans authenticated by the seal, signature, and date hereunder attached. Responsibility is disclaimed for all other engineering plans involved in this project and specifically excludes revisions after this date unless reauthenticated.
PICKETT, RAY & SILVER, INC

DRAWN	EE	DATE	6-29-04
CHECKED	DWD	DATE	6-29-04
PROJECT #	01267-SUP0.D2R		
TASK #	2	FIELD BOOK	

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HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=10'

**D.C.S.D. PHASE 1
SANITARY SEWER AS-BUILTS
12/19/05**

ALL SANITARY LATERAL STREET CROSSINGS, IF REMOVED, SHALL BE BACKFILLED WITH GRANULAR MATERIAL (AGGREGATE).

STORM SEWERS WHICH CROSS OVER EXISTING OR PROPOSED SANITARY SEWER TRENCHES SHALL BE GRADED IN CONCRETE (OR ENCASED H.D.P.E.) THROUGH THE FULL WIDTH OF THE SANITARY SEWER TRENCH. THE TRENCH SHALL BE BACKFILLED AND COMPACTED GRANULAR FILL TO THE BOTTOM OF THE CONCRETE CHOLE.

IF THE STORM AND SANITARY SEWERS ARE PARALLEL AND IN THE SAME TRENCH, THE STORM SEWER SHALL BE PLACED ON A SHELTER AND THE SANITARY SEWER SHALL BE PLACED IN COMPACTED GRANULAR FILL TO THE FLOW LINE OF THE UPPER.

REVISIONS	NO.	DATE	REVISED PER CITY
	1	10/25/04	REVISED PER CITY
	3		REVISED PER DCSD
	6	06/18/05	REVISED PER CITY OF O'FALLON
	7	05/08/05	MOVED MR 202 PER CLIENT
	8	12/19/05	DCSD PHASE 1 AS-BUILTS

ENGINEERS AUTHENTICATION
The responsibility for professional engineering liability on this project is hereby limited to the set of plans authenticated by the seal, signature, and date hereunder attached. Responsibility is disclaimed for all other engineering plans involved in this project and specifically excludes revisions after this date unless reauthenticated.
PICKETT, RAY & SILVER, INC

DRAWN	JEE	DATE	6-29-04
CHECKED	DWD	DATE	6-29-04
PROJECT #	01267.SUP0.02R		
TASK #	2	FIELD BOOK	

WYNDGATE
VILLAGE D
SANITARY SEWER PROFILES
SHEET 83D OF 174
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Prepared For:
SUMMIT POINTE, L.C.

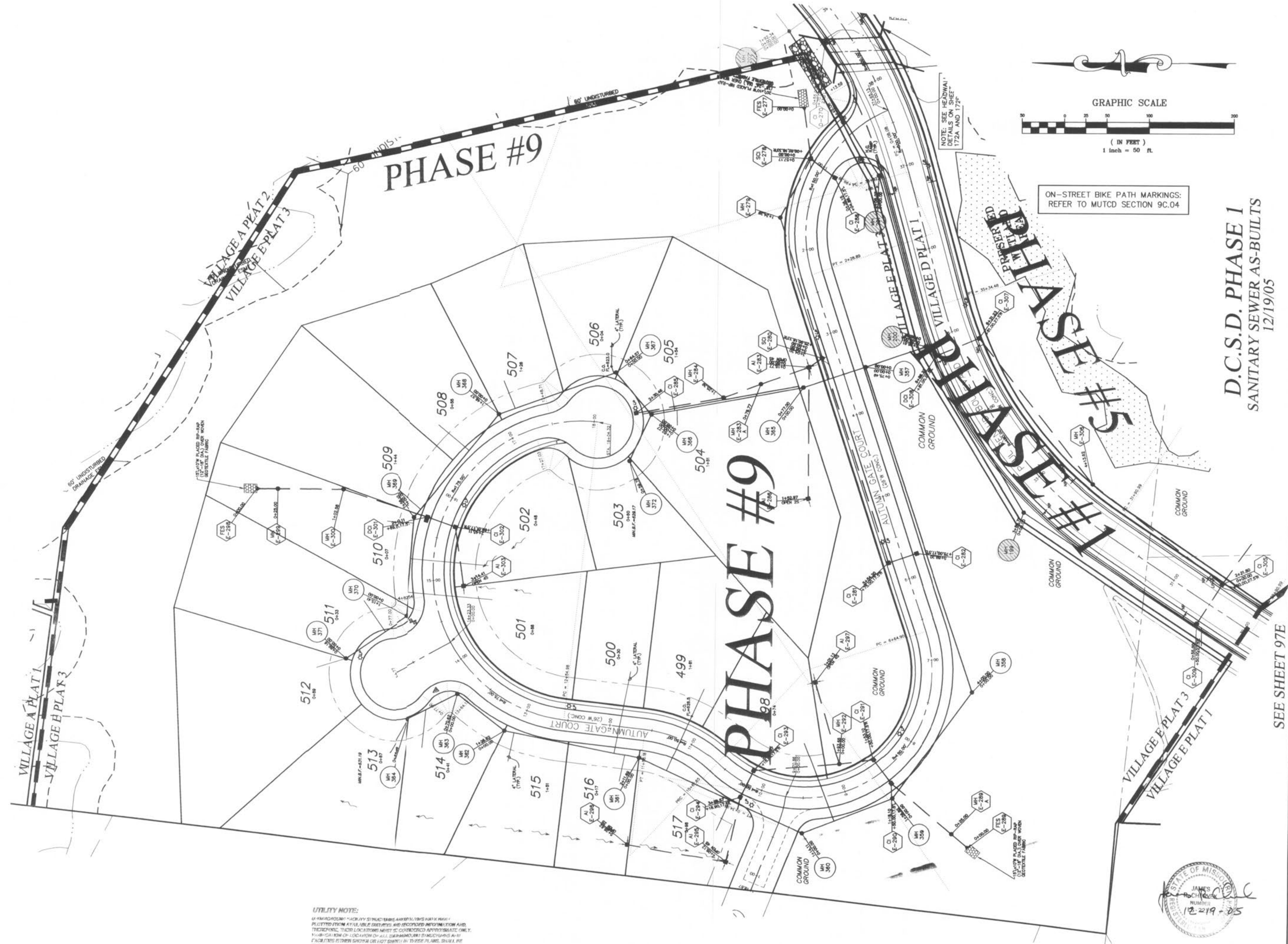
239 FOX HOLE ROAD
SUMMIT POINTE, MISSISSIPPI 39081
(568) 940-9300

PICKETT RAY & SILVER
CIVIL ENGINEERS
PLANNERS
LAND SURVEYORS

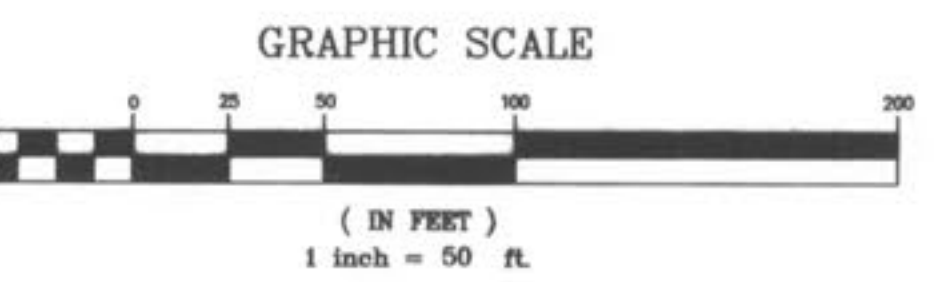
333 Mid Rivers Mall Drive
St. PETERS, MO 65376
Phone (636) 397-1211
Fax (636) 397-1104



\\skervp\projects\01267\dwg\01267-PLAN SHEETS\VILLAGE E.dwg, 1/3/2007 4:39:55 PM, GARY MEYER



UTILITY NOTE:
 ALL UTILITIES SHOWN ON THIS PLAN ARE BASED ON RECORD DRAWINGS AND FIELD SURVEY DATA. THE LOCATION AND DEPTH OF UTILITIES ARE APPROXIMATE. THE USER OF THIS PLAN SHOULD VERIFY THE LOCATION AND DEPTH OF UTILITIES BY FIELD SURVEY. THE ENGINEER ASSUMES NO LIABILITY FOR THE ACCURACY OF THE UTILITIES SHOWN ON THIS PLAN.



ON-STREET BIKE PATH MARKINGS:
 REFER TO MUTCD SECTION 9C.04

D.C.S.D. PHASE 1
 SANITARY SEWER AS-BUILTS
 12/19/05

PICKETT RAY & SILVER
 CIVIL ENGINEERS
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 333 Mid Rivers Mill Drive
 St. Peters, MO 63376
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 Fax (636) 397-1104

WYNDGATE VILLAGE E SITE PLAN
 Prepared For:
SUMMIT POINTE, L.C.
 239 FOX HILL ROAD
 ST. CHARLES, MO 63301
 (636) 740-9977

REVISIONS	NO.	DATE	DESCRIPTION
	1	10/25/04	REVISED PER CITY
	2	12/20/04	REVISED PER DCSD
	3	2/05/05	REVISED PER DCSD
	4	02/19/05	REVISED PER CITY OF FALLON
	5	05/09/05	MOVE MH 202 PER CLIENT
	6	4/05/05	REVISED PER CITY & CLIENT
	7	10/29/05	SURPLUS A-DJENTS ELIMINATED

ENGINEERS AUTHENTICATION
 The responsibility for professional engineering liability on this project is hereby limited to the set of plans authenticated by the seal, signature, and date hereunder attached. Responsibility is disclaimed for all other engineering plans involved in this project and specifically excludes reliance after the date unless reauthenticated.
PICKETT, RAY & SILVER, INC

DRAWN	JEE	DATE	6-29-04
CHECKED	DWD	DATE	6-29-04
PROJECT #	01267-SUPO.02R		
TASK #	2	FIELD BOOK	

WYNDGATE VILLAGE E SITE PLAN
 SHEET 96E OF 174
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SEE SHEET 97E

I:\3enverps\Projects\01267\dwg\01267-PLAN SHEETS VILLAGE E.dwg, 1/3/2007 4:36:32 PM, GARY MEYER

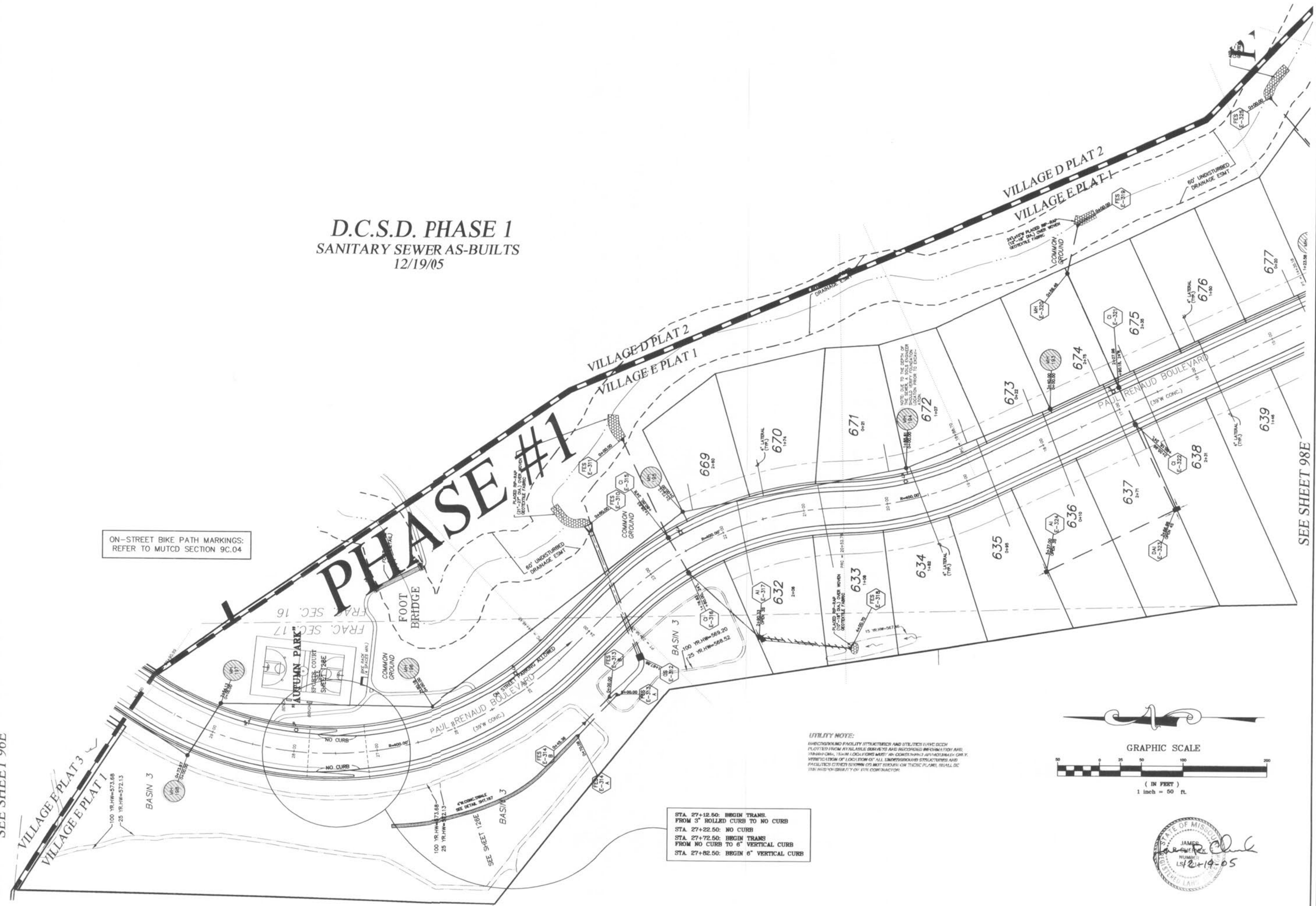
**D.C.S.D. PHASE 1
SANITARY SEWER AS-BUILTS
12/19/05**

PHASE #1

ON-STREET BIKE PATH MARKINGS:
REFER TO MUTCD SECTION 9C.04

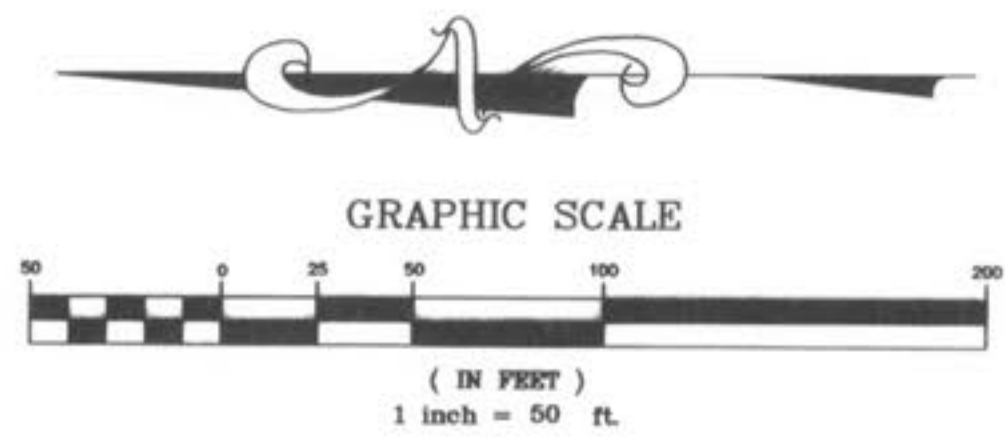
SEE SHEET 96E

SEE SHEET 98E



STA. 27+12.50: BEGIN TRANS.
FROM 3" ROLLED CURB TO NO CURB
STA. 27+22.50: NO CURB
STA. 27+72.50: BEGIN TRANS
FROM NO CURB TO 6" VERTICAL CURB
STA. 27+82.50: BEGIN 6" VERTICAL CURB

UTILITY NOTE:
UNDERGROUND FACILITY STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE DRAWINGS AND RECORDED INFORMATION AND TRIMMING. THESE LOCATIONS MAY BE APPROXIMATE AND SHOULD BE VERIFIED BY THE CONTRACTOR. ALL UNDERGROUND STRUCTURES AND FACILITIES OTHER THAN SANITARY SEWER SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.



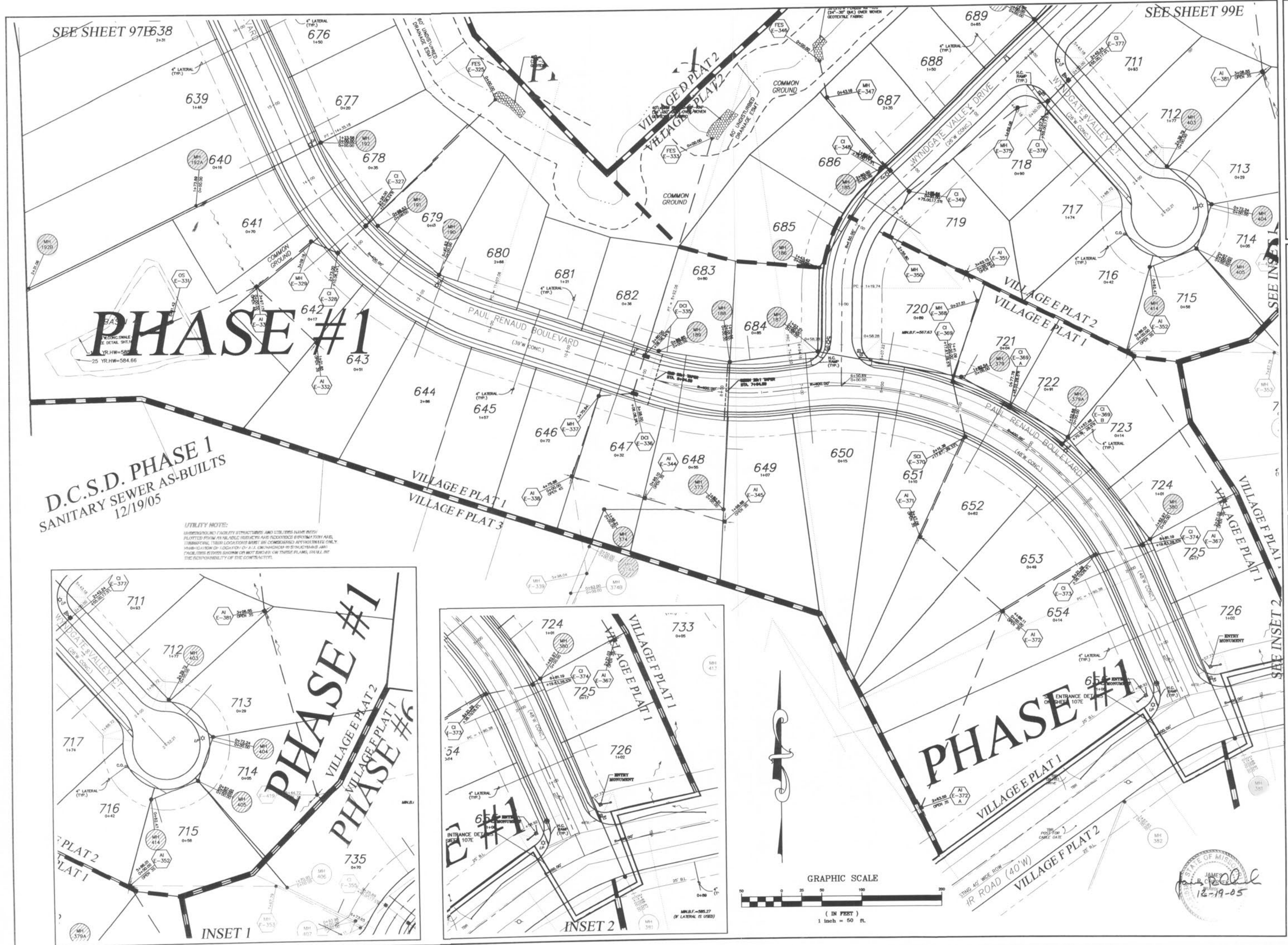
PICKETT RAY & SILVER
CIVIL ENGINEERS
PLANNERS
LAND SURVEYORS
333 Mid Rivers Mall Drive
St. Peters, MO 63376
Phone (636) 397-1211
Fax (636) 397-1104

WYNDGATE
VILLAGE E
SITE PLAN
Prepared For:
SUMMIT POINTE, L.C.
239 FOX HILL ROAD
ST. CHARLES, MO 63301
(636) 940-8977

NO.	DATE	REVISIONS
1	10/25/04	REVISED PER CITY
2	12/20/04	REVISED PER DCSD
3	02/19/05	REVISED PER CITY OF FALLON
4	04/09/05	REVISED PER CITY & CLIENT
5	09/09/05	REVISED PER AMENITY
6	10/28/05	SURPLUS A-JOINTS ELIMINATED
7	10/28/05	"AS-BUILTS" VILLAGE E-1
8	02/08/06	
9		
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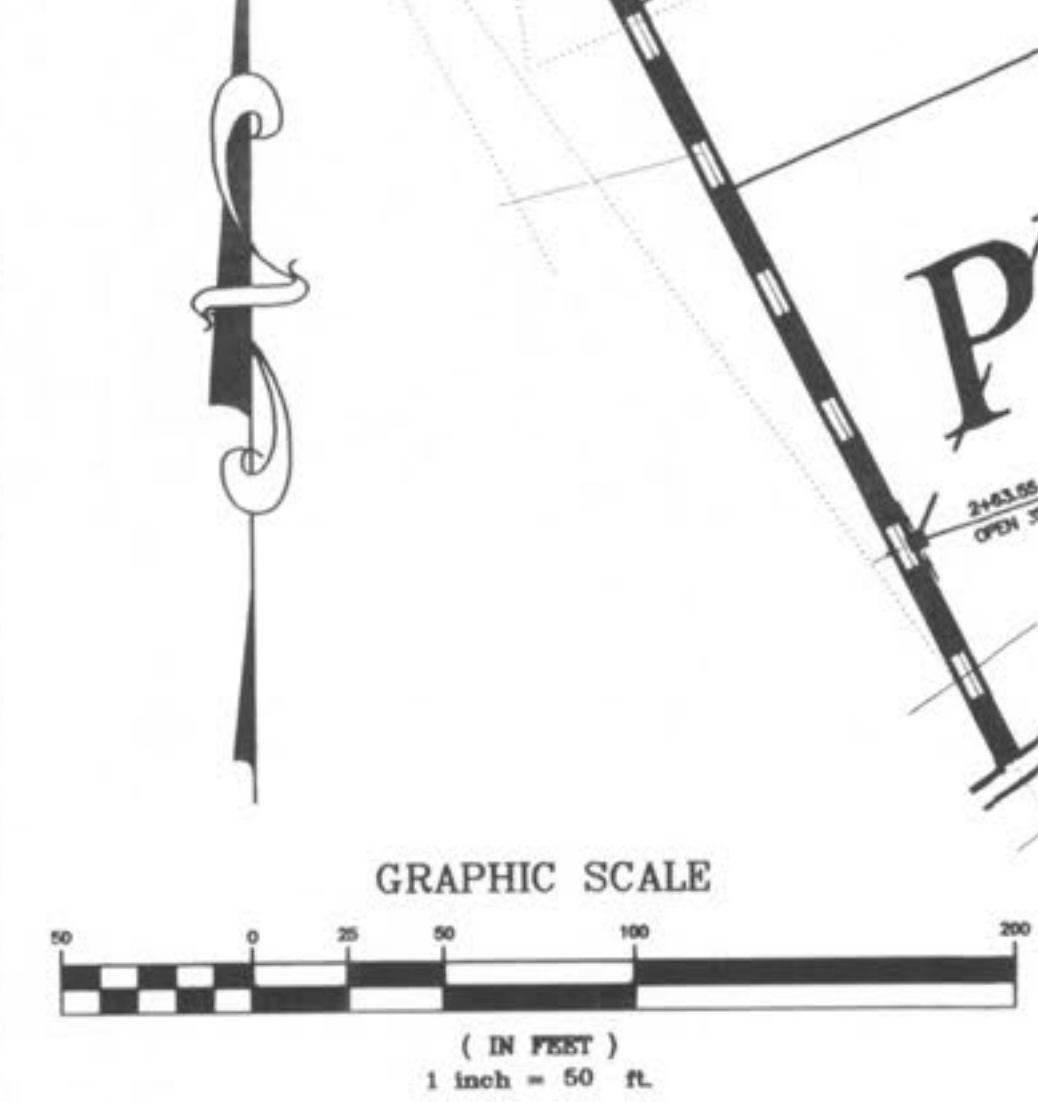
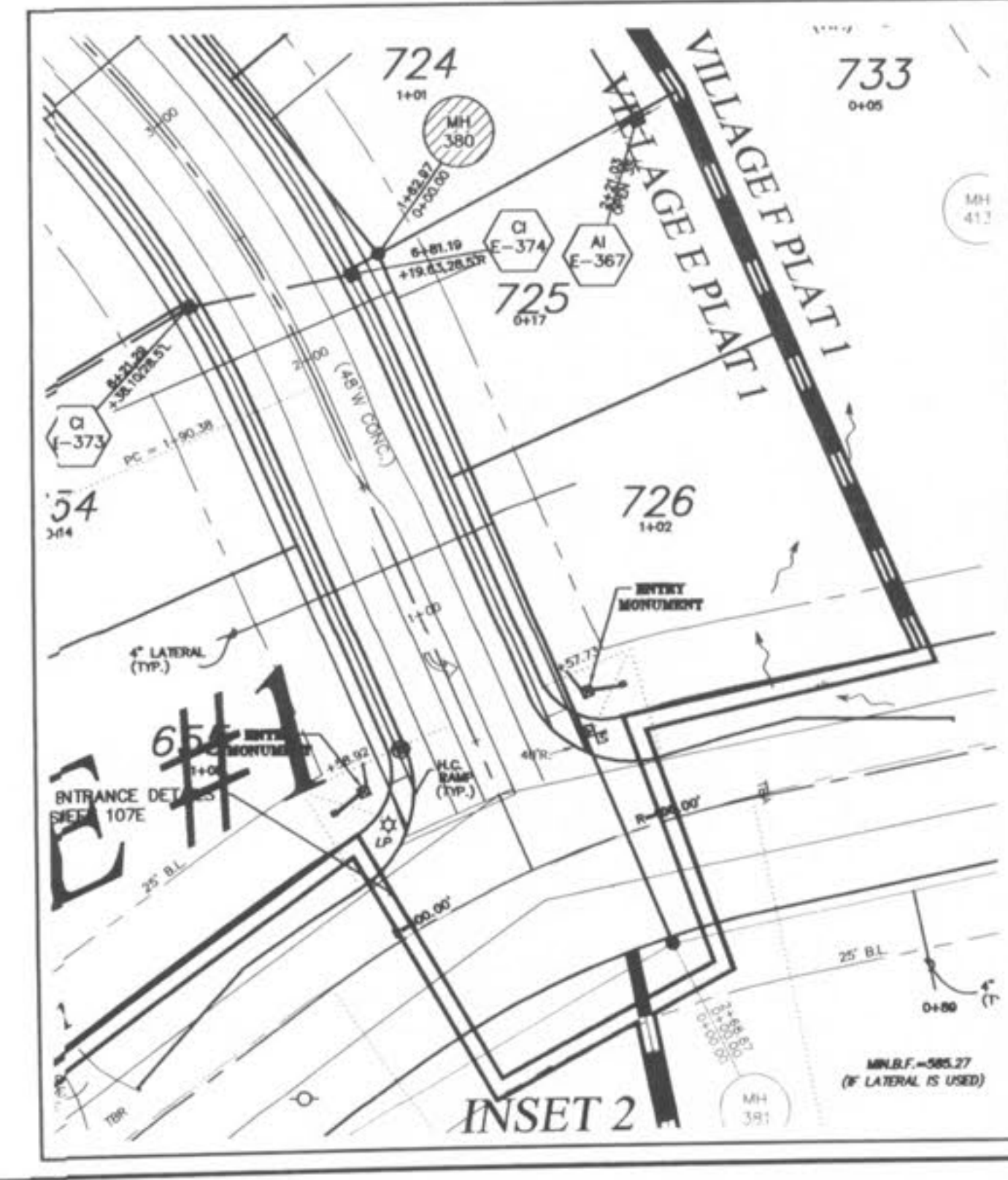
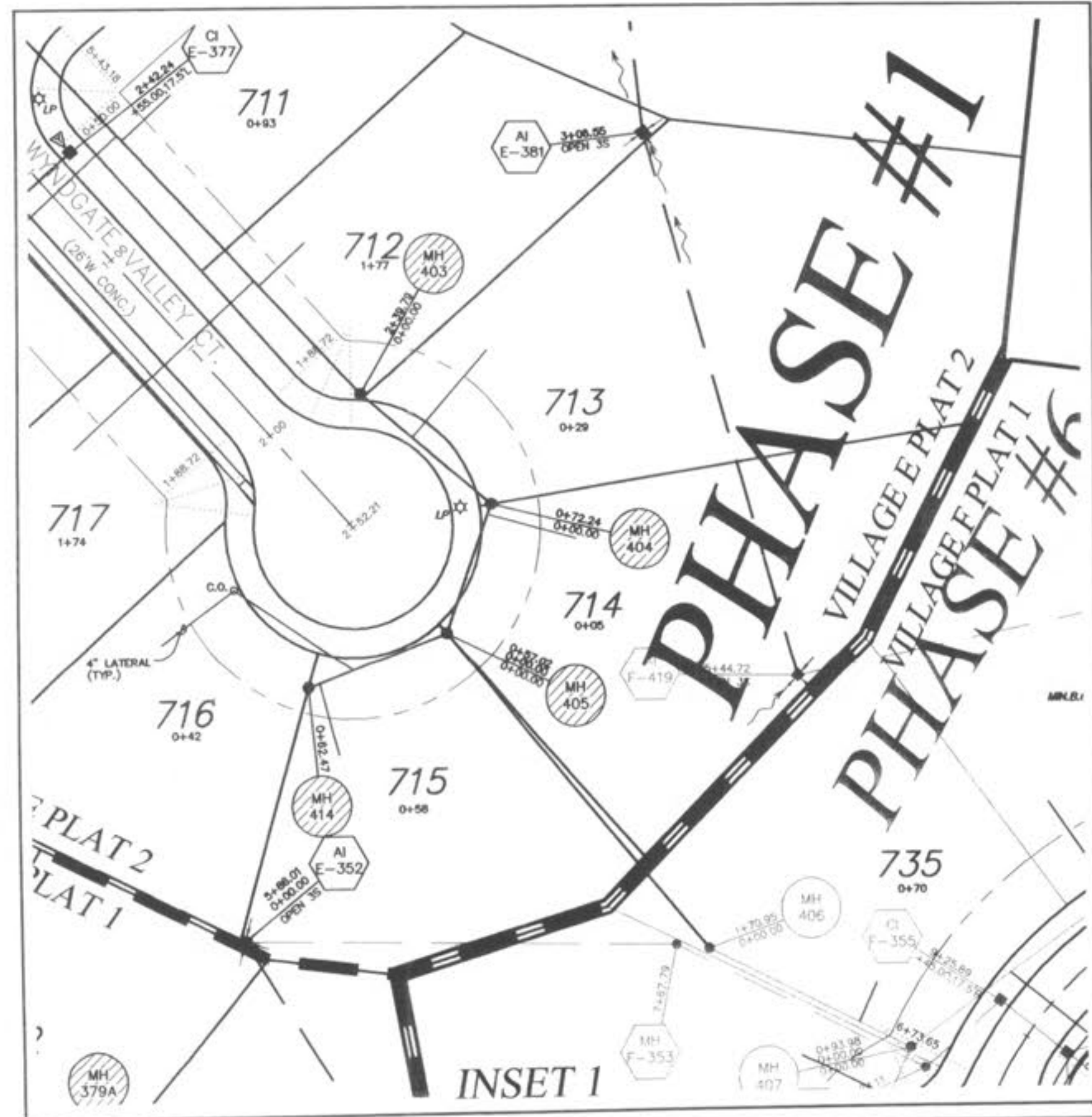
ENGINEERS AUTHENTICATION
The responsibility for professional engineering liability on this project is hereby limited to the set of plans authenticated by the seal, signature, and date hereunder attached. Responsibility is disclaimed for all other engineering plans involved in this project and specifically excludes revisions after this date unless reauthenticated.
PICKETT, RAY & SILVER, INC

DRAWN	JEE	DATE	6-29-04
CHECKED	DWD	DATE	6-29-04
PROJECT #	01267-SUP0.02R		
TASK #	2	FIELD BOOK	



D.C.S.D. PHASE 1
SANITARY SEWER AS-BUILTS
 12/19/05

UTILITY NOTE:
 UNDERGROUND FACILITY STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AN AS-BUILT RECORD AND ACCORDING TO THE FIELD SURVEY. THESE LOCATIONS MAY BE APPROXIMATE AND SHOULD BE VERIFIED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE AS-BUILT RECORD.



STATE OF MISSOURI
 JAMES B. PICKETT
 12-19-05

PICKETT RAY & SILVER
 CIVIL ENGINEERS
 PLANNERS
 LAND SURVEYORS
 333 Mid Rivers Mall Drive
 St. Peters, MO 63376
 Phone (636) 397-1211
 Fax (636) 397-1104

WYNDGATE VILLAGE E
SITE PLAN
 Prepared For:
SUMMIT POINTE, L.C.
 239 FOX HILL ROAD
 ST. CHARLES, MO 63301
 (636) 948-9977

REVISIONS	NO.	DATE	REVISED PER CITY
	1	10/25/04	REVISED PER DCS
	2	12/20/04	REVISED PER DCS
	3	2/09/05	REVISED PER CITY OF FALLON
	4	05/19/05	REVISED PER CITY OF FALLON
	5	07/09/05	REVISED PER CITY OF FALLON
	6	07/09/05	REVISED PER AMENITY
	7	07/09/05	REVISED PER AMENITY
	8	07/09/05	REVISED PER AMENITY
	9	07/09/05	REVISED PER AMENITY
	10	07/09/05	REVISED PER AMENITY
	11	07/09/05	REVISED PER AMENITY
	12	07/09/05	REVISED PER AMENITY
	13	07/09/05	REVISED PER AMENITY
	14	07/09/05	REVISED PER AMENITY
	15	07/09/05	REVISED PER AMENITY
	16	07/09/05	REVISED PER AMENITY
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	18	07/09/05	REVISED PER AMENITY
	19	07/09/05	REVISED PER AMENITY

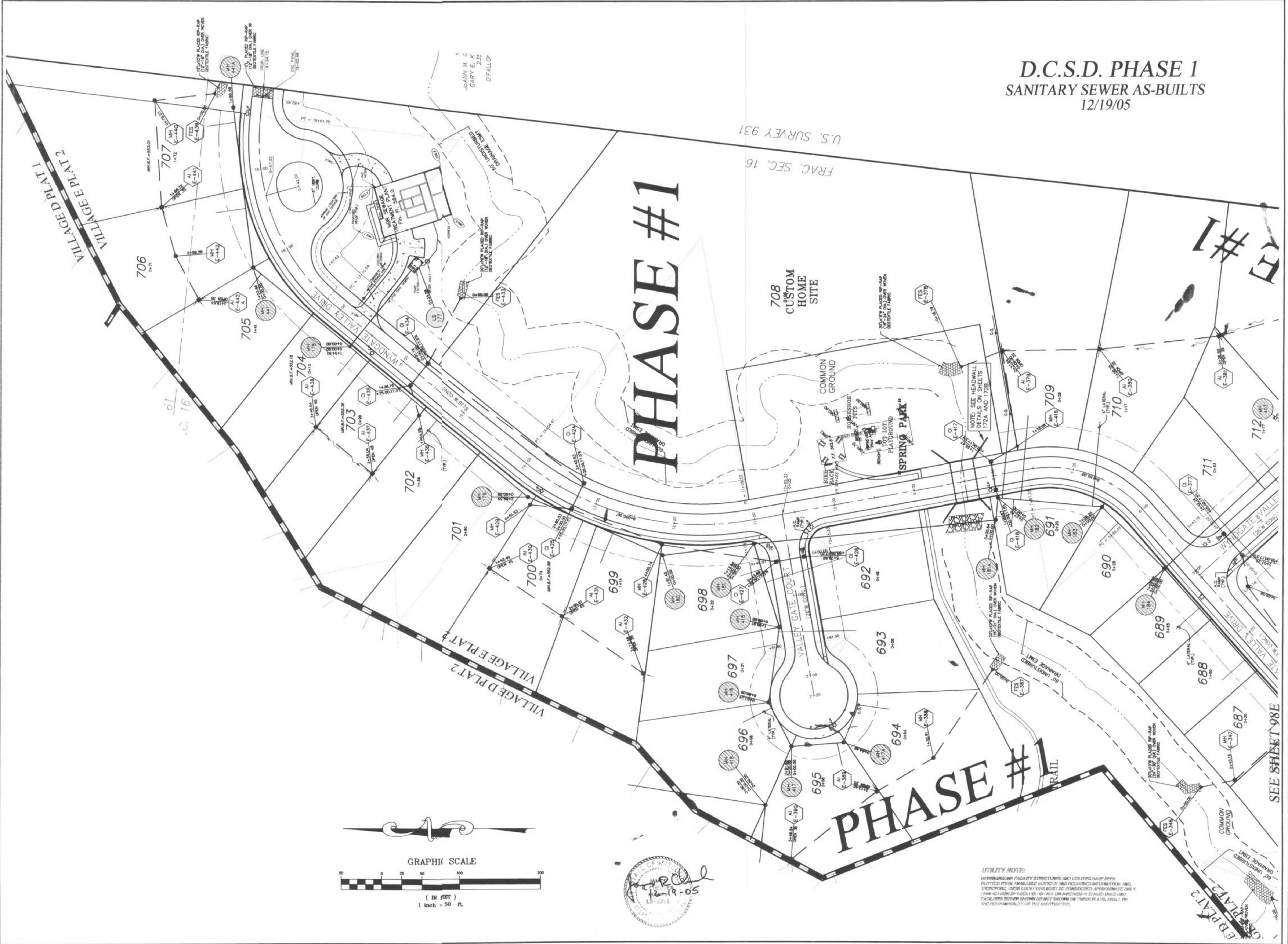
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 PICKETT, RAY & SILVER, INC

DRAWN	JEE	DATE	6-29-04
CHECKED	DWO	DATE	6-29-04
PROJECT #	01267-SUP0.02R		
TASK #	2	FIELD BOOK	

WYNDGATE VILLAGE E
 SITE PLAN
 SHEET 98E OF 174
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**D.C.S.D. PHASE 1
SANITARY SEWER AS-BUILTS
12/19/05**



PICKETT RAY & SILVER
CIVIL ENGINEERS
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LAND SURVEYORS
333 Mid Rivers Mall Drive
St. Peters, MO 63376
Phone (636) 397-1211
Fax (636) 397-1104

**WYNDGATE
VILLAGE E
SITE PLAN**
Prepared For:
SUMMIT POINTE, L.C.
229 FOX HILL ROAD
ST. PETERS, MO 63301
(636) 340-8777

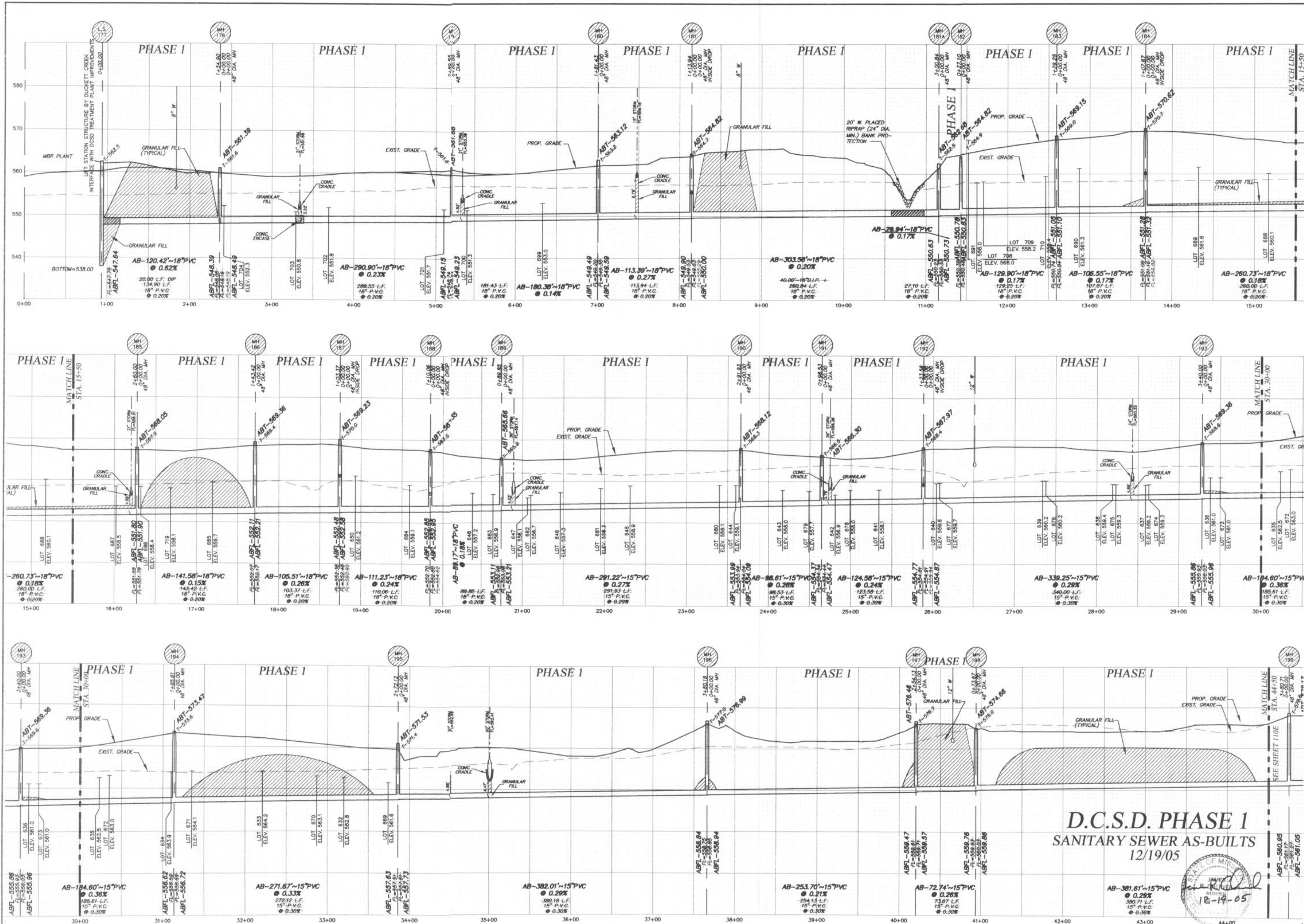
NO.	DATE	REVISIONS
1	10/25/04	REVISED PER CITY
2	11/10/04	REVISED PER CITY
3	12/20/04	REVISED PER DCSD
4	02/03/06	REVISED PER CITY OF FALLON
5	06/19/06	REVISED PER CITY OF FALLON
6	07/06/06	REVISED PER CITY & CLIENT
7	09/05/06	REVISED PER CITY & CLIENT
8	10/28/06	SURPLUS A-JOINTS ELIMINATED
9	10/28/06	"AS-BUILT" VILLAGE E-2

ENGINEER'S AUTHORIZATION
The responsibility for professional engineering liability on this project is hereby limited to the set of plans authorized by the seal, signature, and date hereunder attached. Responsibility is disclaimed for all other engineering plans involved in this project and specifically excludes revisions after this date unless reauthorized.
PICKETT, RAY & SILVER, INC.

DRAWN JEE	DATE 6-29-04
CHECKED DWD	DATE 6-29-04
PROJECT # 01267-SUP0.02R	TASK # 2 FIELD BOOK

WYNDGATE VILLAGE E SITE PLAN
SHEET 99E OF 174
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**D.C.S.D. PHASE 1
SANITARY SEWER AS-BUILTS
12/19/05**



ALL SANITARY LATERAL STREET CROSSINGS, IF TRENCHED, SHALL BE BACKFILLED WITH GRANULAR MATERIAL (AGGREGATE).

STORM SEWERS WHICH CROSS OVER EXISTING OR PROPOSED SANITARY SEWER TRENCHES SHALL BE CRADLED IN CONCRETE (OR ENCASED H.D.P.E.) THROUGH THE FULL WIDTH OF THE SANITARY SEWER TRENCH. THE TRENCH SHALL BE BACKFILLED AND COMPACTED GRANULAR FILL TO THE BOTTOM OF THE CONCRETE CRADLE.

IF THE STORM AND SANITARY SEWERS ARE PARALLEL, AND IN THE SAME TRENCH OR OVERDIE, THE UPPER SHALL BE PLACED ON A SHELVE AND THE LOWER SHALL BE BEDDED IN COMPACTED GRANULAR FILL TO THE FLOW LINE OF THE UPPER.

HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=10'

PICKETT RAY & SILVER
CIVIL ENGINEERS
PLANNERS
LAND SURVEYORS

333 Mid Rivers Mall Drive
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Fax (856) 397-1104

WYNDGATE VILLAGE E
SANITARY SEWER PROFILES

Prepared For:
SUMMIT POINTE, L.C.

239 FOX HILL ROAD
ST. CHARLES, MO. 63001
(636) 930-9900

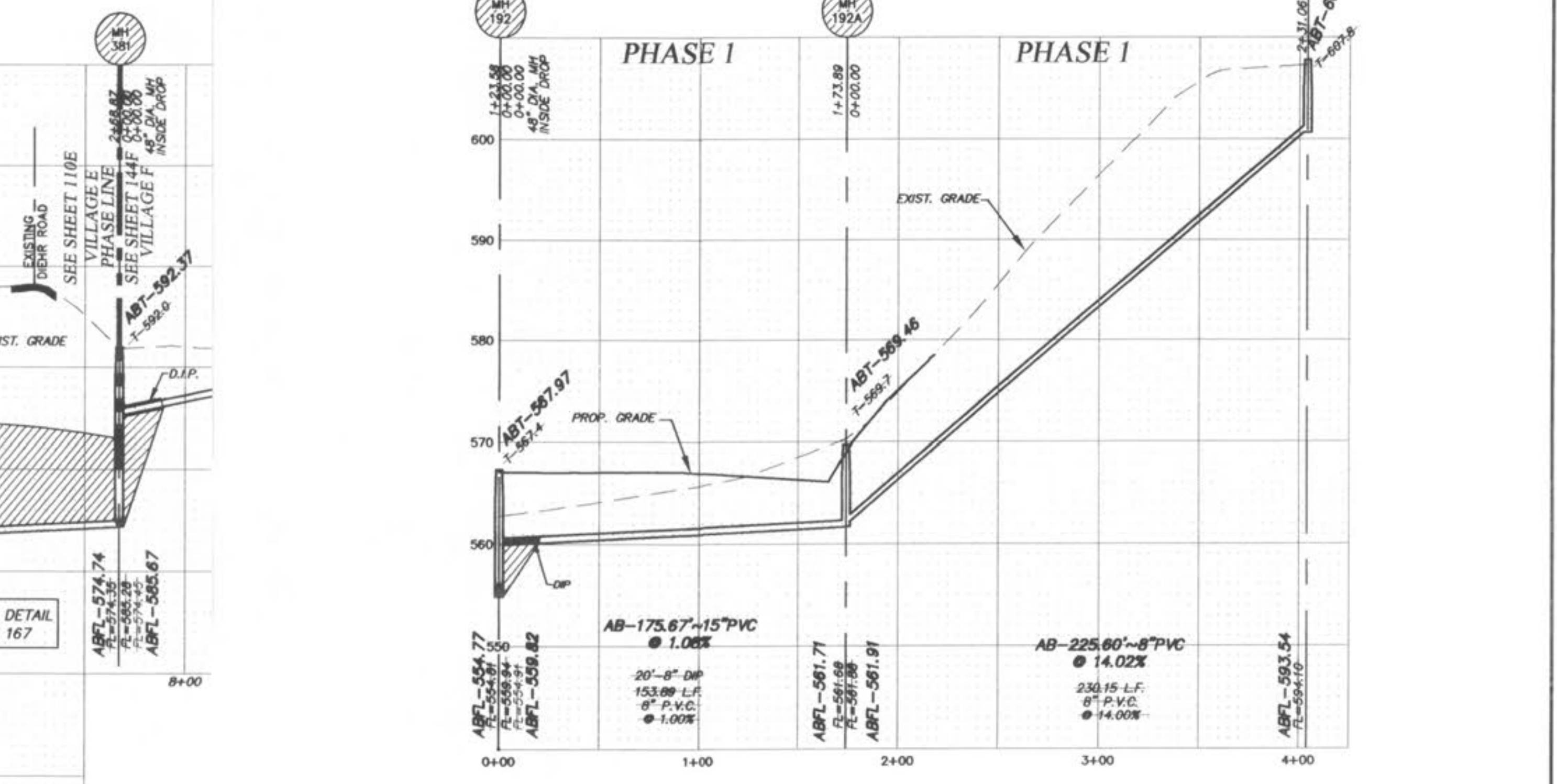
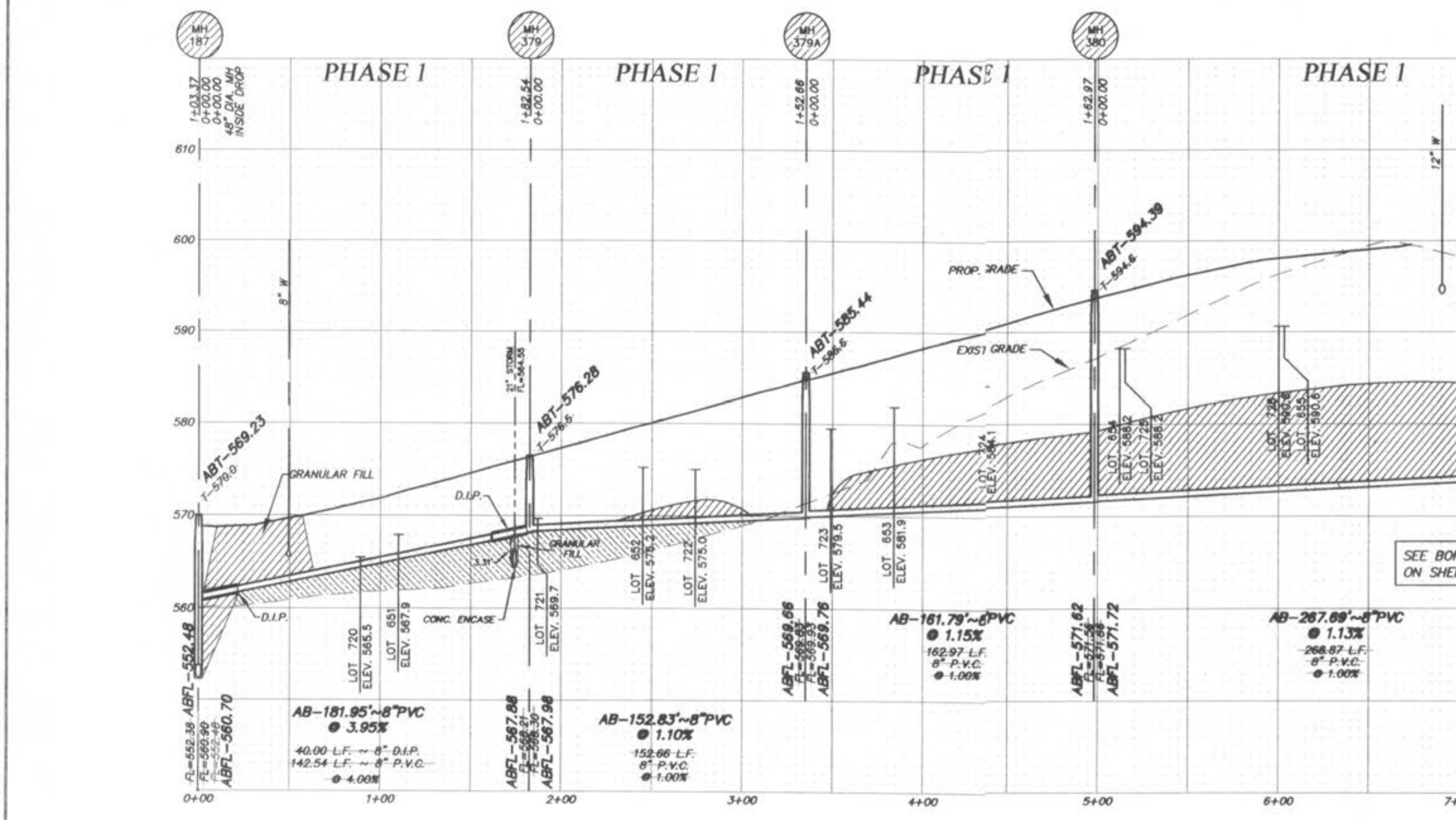
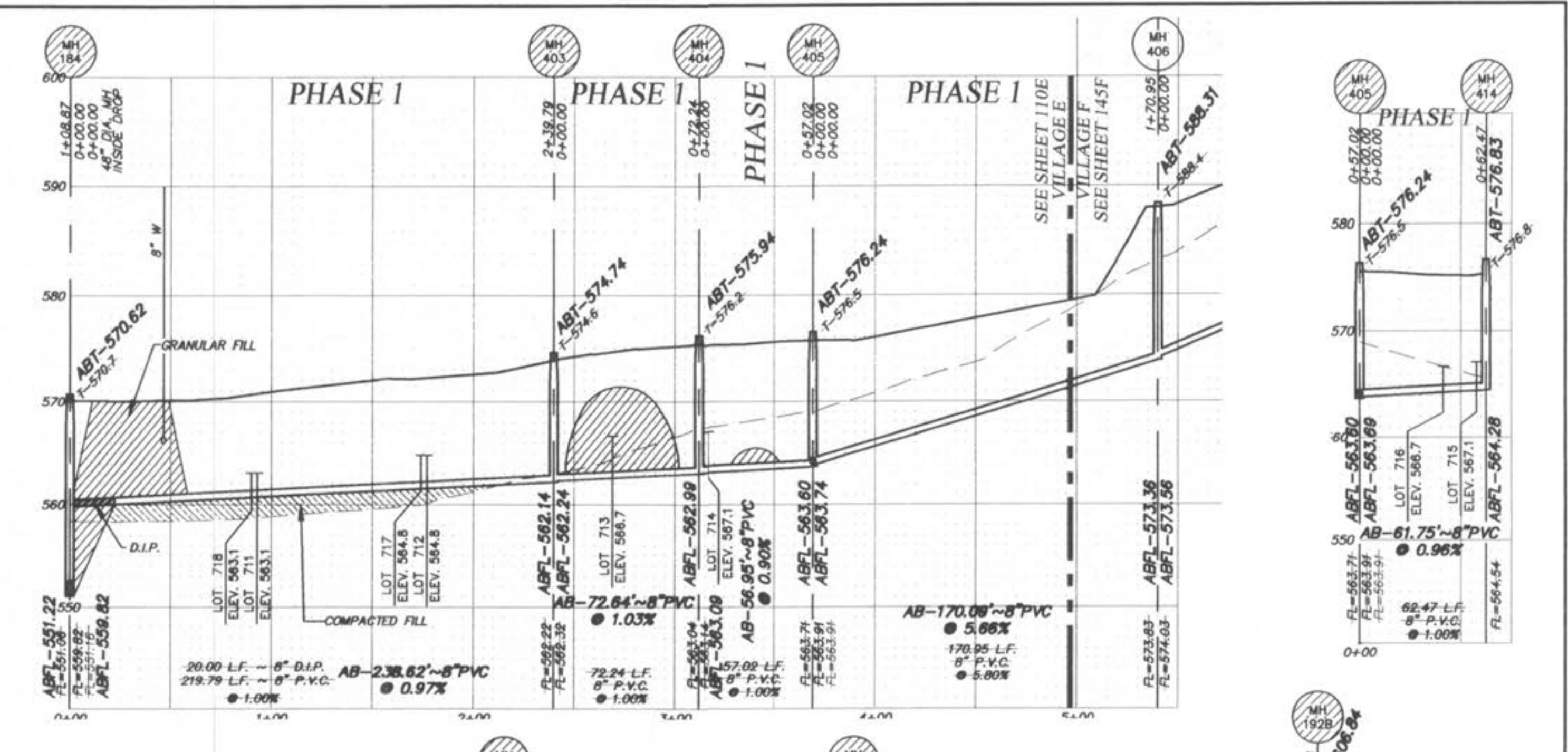
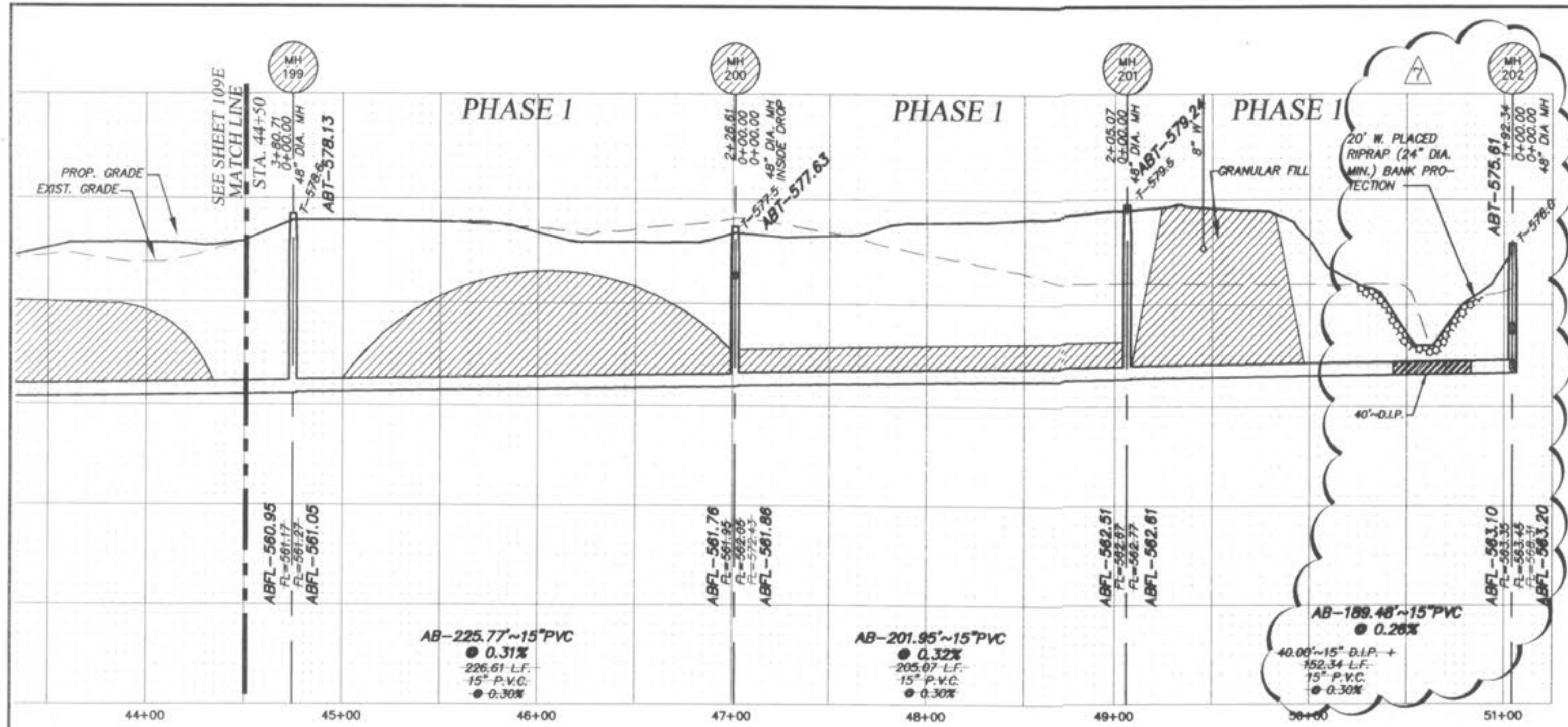
NO.	DATE	REVISIONS
1	10/26/04	REVISED PER CITY
2	02/05/05	REVISED PER DCSD
3	02/19/05	REVISED PER CITY OF FALLON
7	12/19/05	DCSD PHASE 1 AS-BUILTS

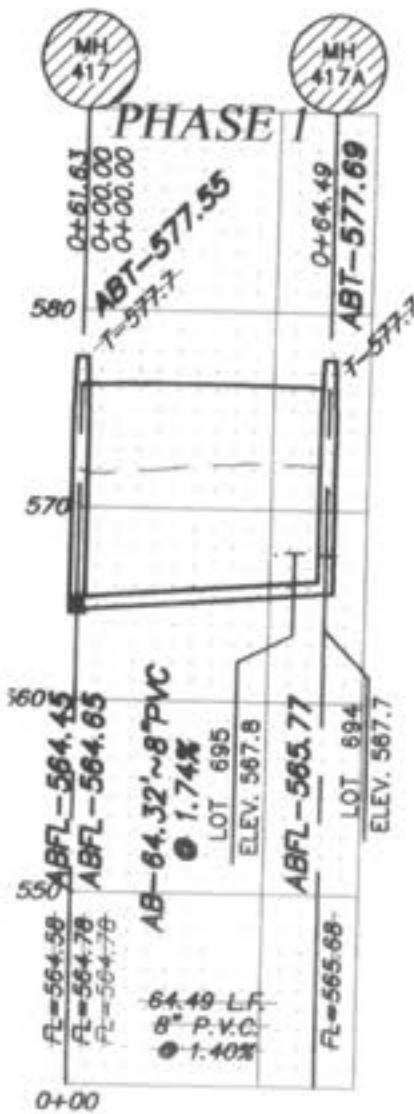
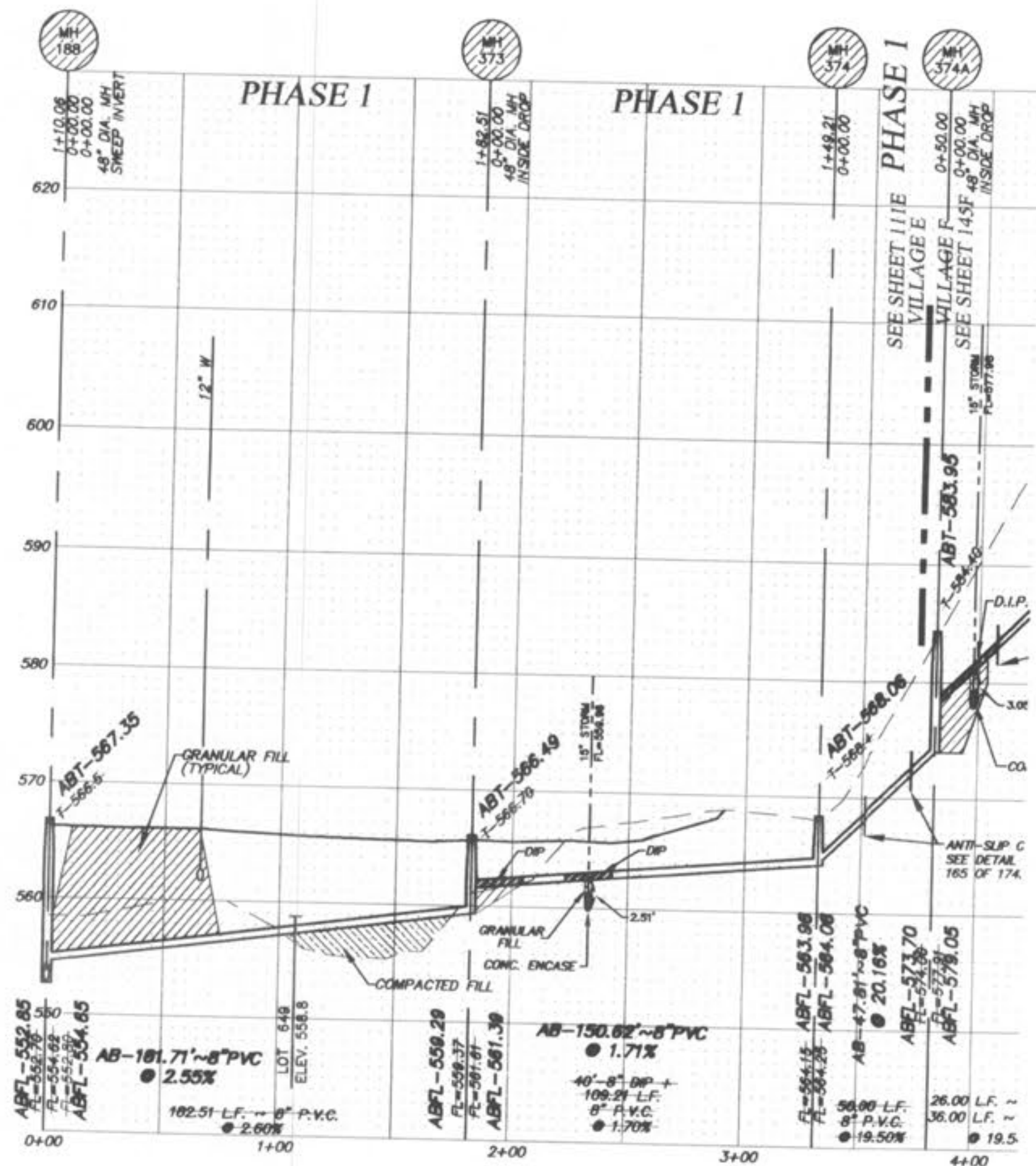
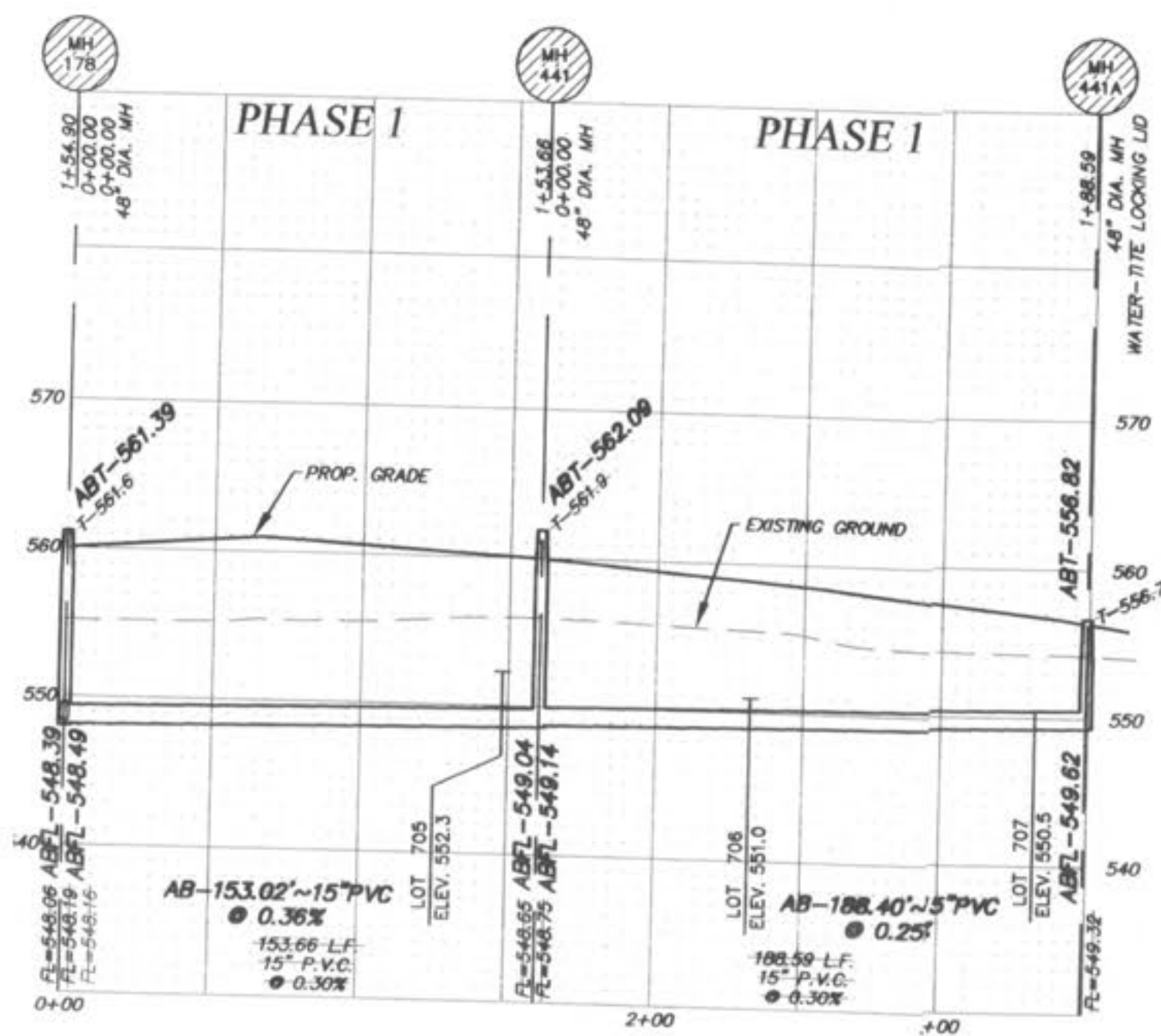
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PICKETT, RAY & SILVER, INC.

DRAWN	JEE	DATE	6-29-04
CHECKED	DWD	DATE	6-29-04
PROJECT	# 01267 SUPP.02R		
TASK #	2	FIELD BOOK	

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ALL SANITARY LATERAL STREET CROSSINGS, IF TRENCHED, SHALL BE BACKFILLED WITH GRANULAR MATERIAL (AGGREGATE).

STORM SEWERS WHICH CROSS OVER EXISTING OR PROPOSED SANITARY SEWER TRENCHES SHALL BE GRADED IN CONCRETE (OR ENCASED H.D.P.E.) THROUGH THE FULL WIDTH OF THE SANITARY SEWER TRENCH. THE TRENCH SHALL BE BACKFILLED AND COMPACTED GRANULAR FILL TO THE BOTTOM OF THE CONCRETE CADLE.

IF THE STORM AND SANITARY SEWERS ARE PARALLEL AND IN THE SAME TRENCH OR OVERDIP, THE UPPER SHALL BE PLACED IN A SHELF AND THE LOWER SHALL BE BEDDED IN COMPACTED GRANULAR FILL TO THE FLOW LINE OF THE UPPER.

HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=10'



D.C.S.D. PHASE 1
SANITARY SEWER AS-BUILTS
12/19/05

PICKETT RAY & SILVER
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WYNDGATE VILLAGE E
SANITARY SEWER PROFILES
Prepared For:
SUMMIT POINTE, L.C.
239 FOX HILL ROAD
ST. CHARLES, MO. 63301
(636) 940-3500

NO.	DATE	REVISIONS
1	10/25/04	REVISED PER CITY
2	02/03/05	REVISED PER DCSD
3	02/19/05	REVISED PER CITY OF O'FALLON
7	12/19/05	DCSD PHASE 1 AS-BUILTS

ENGINEERS AUTHORIZATION
The responsibility for professional engineering liability on this project is hereby limited to the set of plans authorized by the seal, signature, and date hereunder attached. Responsibility is disclaimed for all other engineering plans reviewed in this project and specifically excludes revisions after this date unless reauthorized.

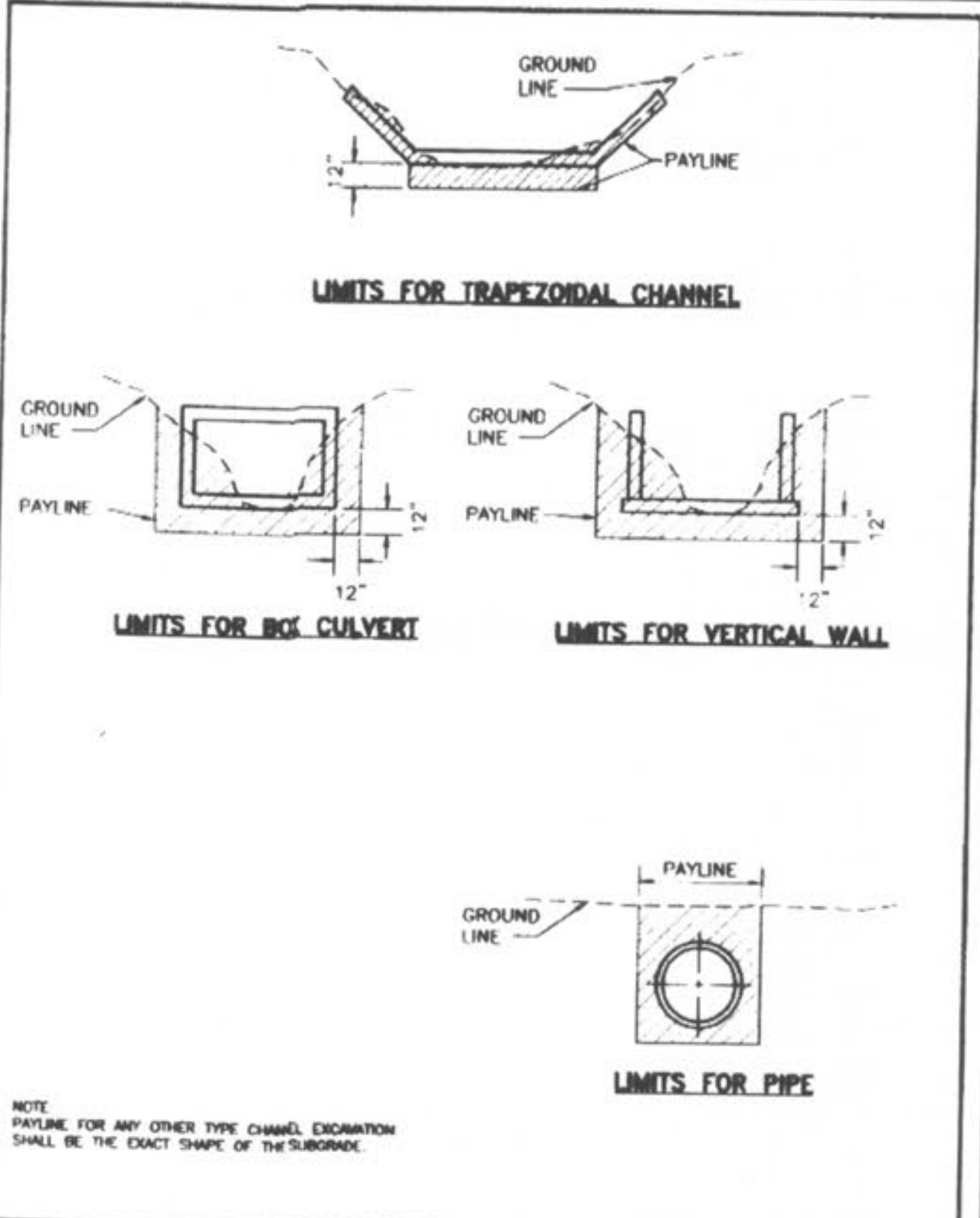
PICKETT, RAY & SILVER, INC

DRAWN	DATE
JEE	6-29-04
CHECKED	DATE
DWD	6-29-04
PROJECT #	FIELD BOOK
TASK #	2

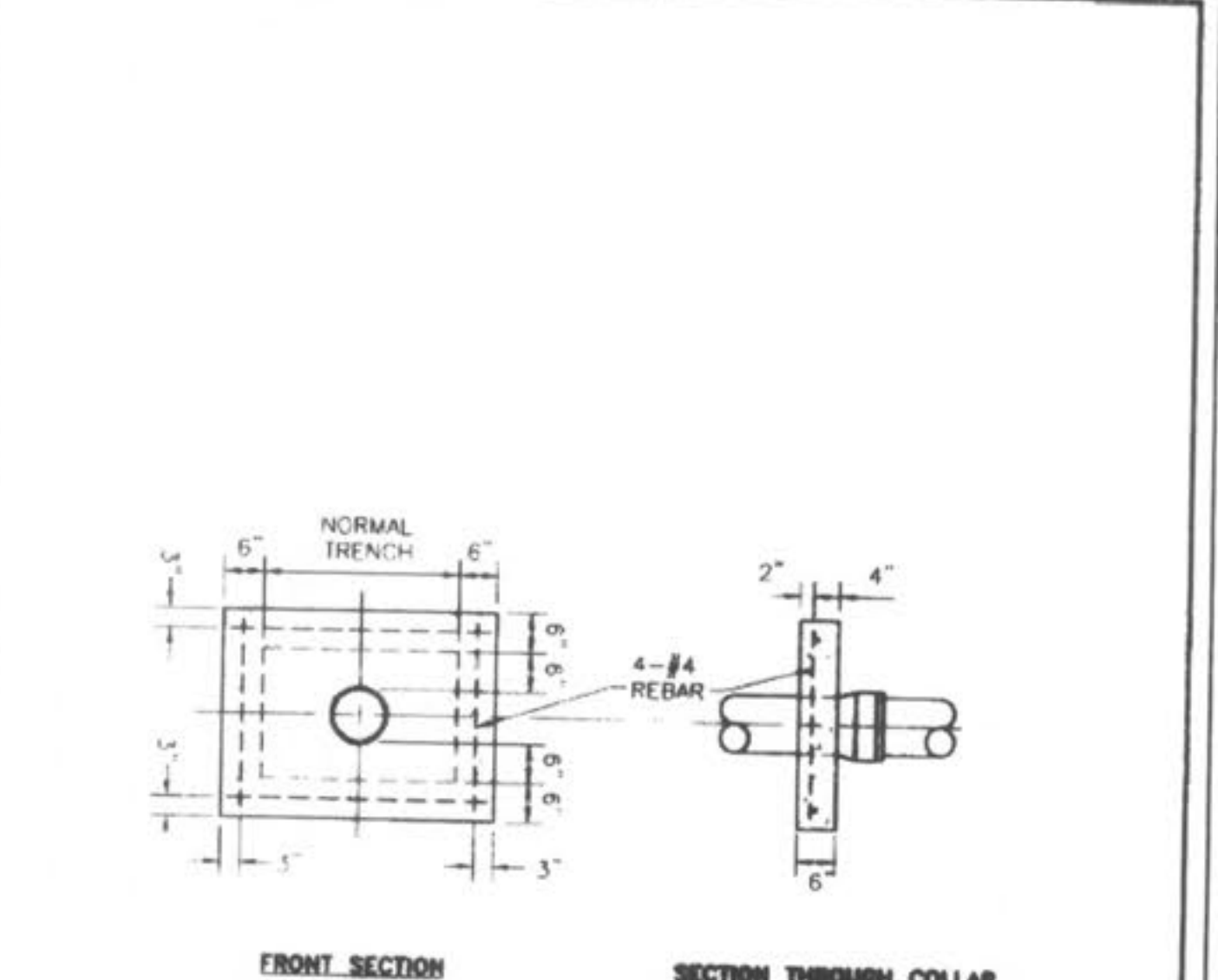
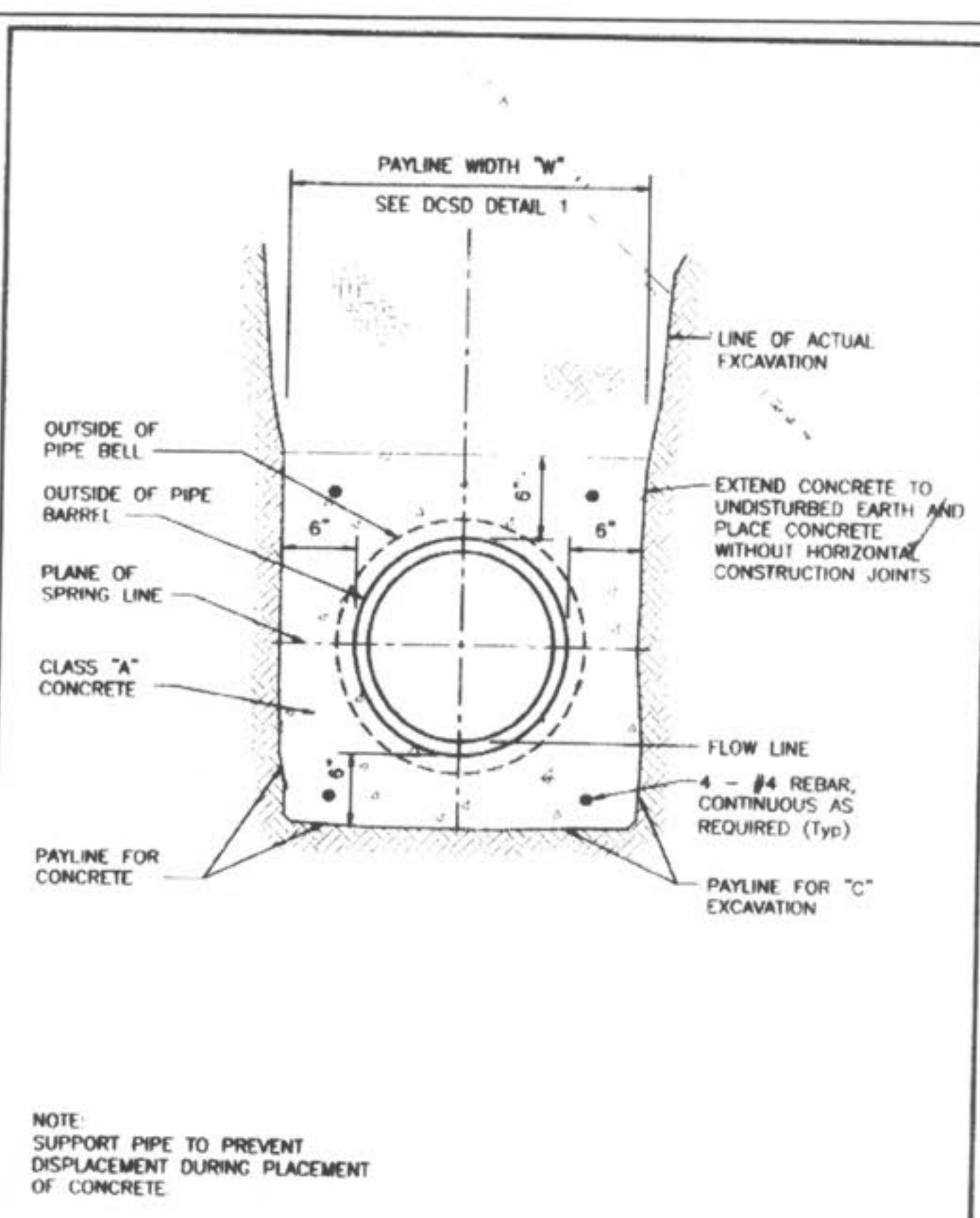
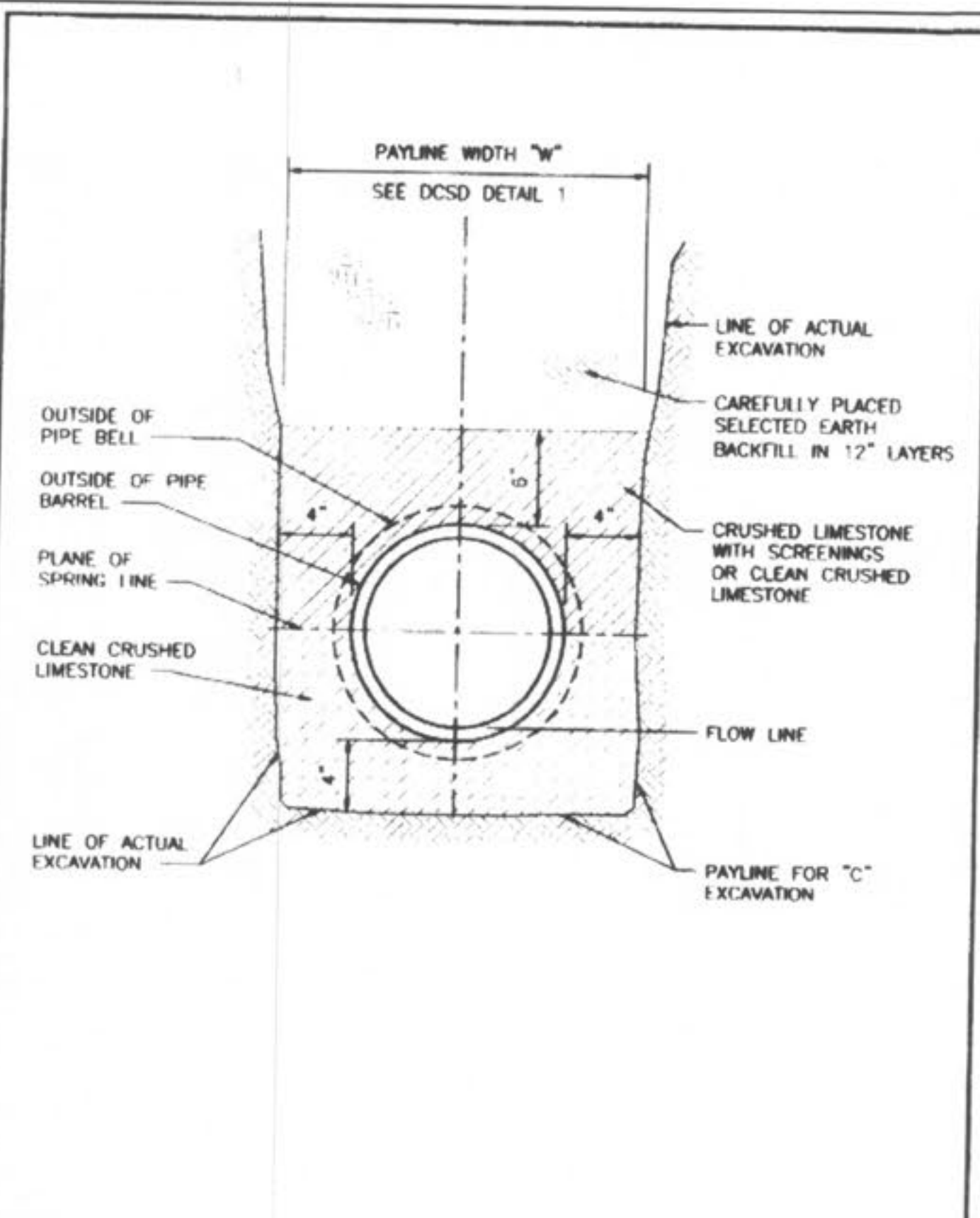
WYNDGATE VILLAGE E
SANITARY SEWER PROFILES
SHEET 111E OF 174

ROUND PIPE				HORIZONTAL ELLIPTICAL PIPE			
INSIDE DIAMETER OF PIPE (INCHES)	"W" PAYLINE WIDTH OF TRENCH (INCHES)	"W" PAYLINE WIDTH OF TRENCH (FEET)	PAY-VOLUMES CU. FT. PER FT. CONCRETE ENCASUREMENT	INSIDE DIAMETER OF PIPE (INCHES)	"W" PAYLINE WIDTH OF TRENCH (INCHES)	"W" PAYLINE WIDTH OF TRENCH (FEET)	PAY-VOLUMES CU. FT. PER FT. CONCRETE ENCASUREMENT
4	30	2.50	3.28				
6	30	2.50	3.59				
8	30	2.50	3.87				
10	30	2.50	4.09				
12	30	2.50	4.25				
15	36	3.00	5.55				
18	36	3.00	5.77	14 x 23	41	3.42	5.94
21	39	3.25	6.61				
24	42	3.50	7.39	19 x 30	49	4.08	7.68
27	45	3.75	8.18	22 x 34	53	4.42	8.61
30	49	4.08	9.30	24 x 38	58	4.83	9.70
33	53	4.42	10.53	27 x 42	62	5.17	10.71
36	56	4.67	11.43	29 x 45	66	5.50	11.72
39	DISCONTINUED			32 x 49	71	5.92	13.14
42	63	5.25	13.38	34 x 53	75	6.25	14.05
48	70	5.83	15.67	38 x 60	83	6.92	16.18
54	77	6.42	18.15	43 x 68	92	7.67	18.81
60	84	7.00	20.73	48 x 76	101	8.42	21.59
66	91	7.58	23.45	53 x 83	109	9.08	24.35
72	98	8.17	26.37	58 x 91	118	9.83	27.45
78	105	8.75	29.39	63 x 98	126	10.50	30.50
84	112	9.33	32.57	68 x 106	135	11.25	33.91
90	119	9.92	35.90	72 x 113	143	11.92	36.99
96	126	10.50	39.37	77 x 121	152	12.67	40.69
102	133	11.08	42.99	82 x 128	160	13.33	44.45
108	140	11.67	46.75	87 x 136	168	14.00	47.79
114	147	12.25	50.66	92 x 143	176	14.67	51.70
120	154	12.83	54.72	97 x 151	185	15.42	56.01
126	161	13.42	58.92				
132	168	14.00	63.27	106 x 166	202	16.83	64.48
144	182	15.17	72.40	116 x 180	218	18.17	73.59

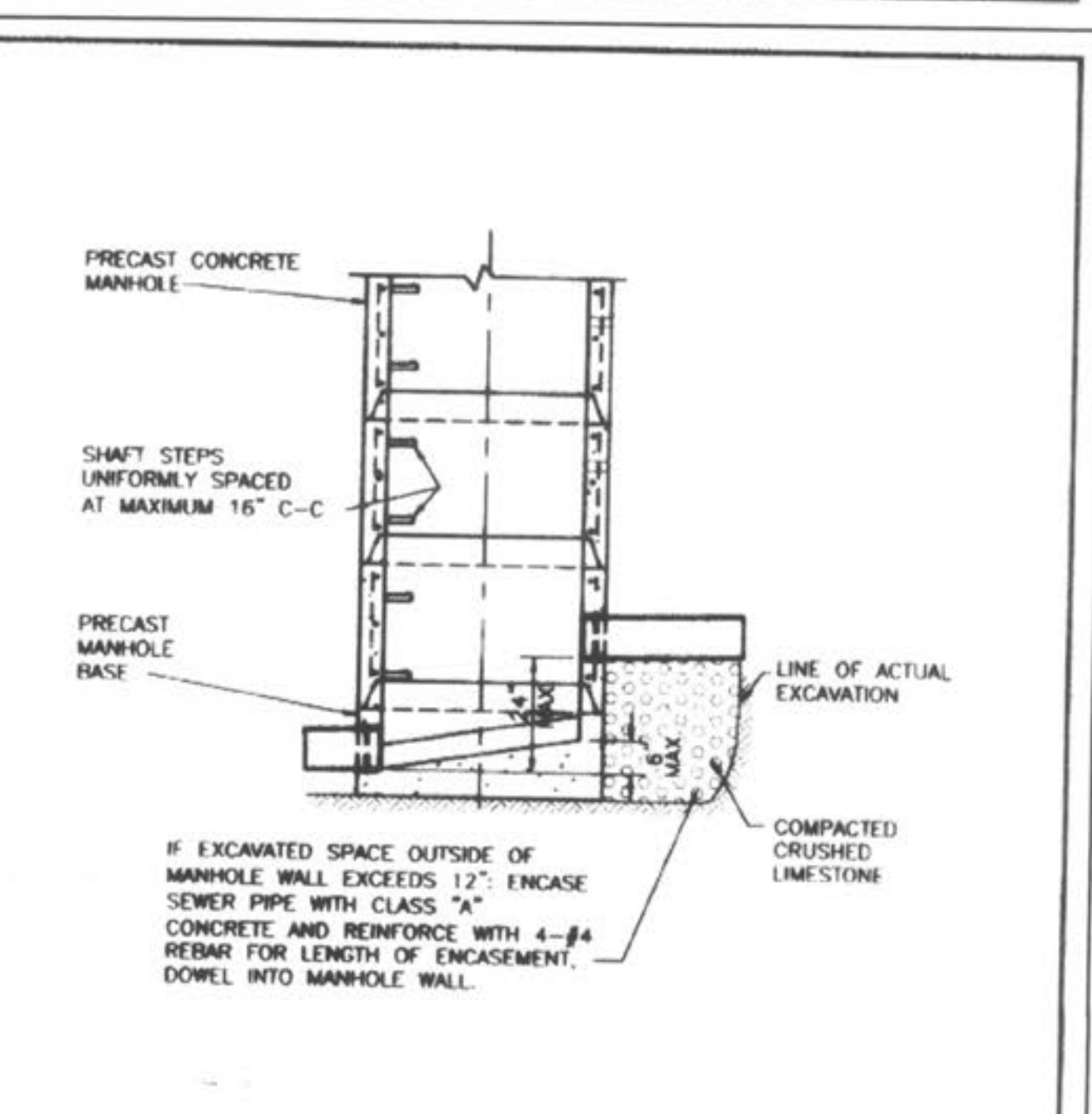
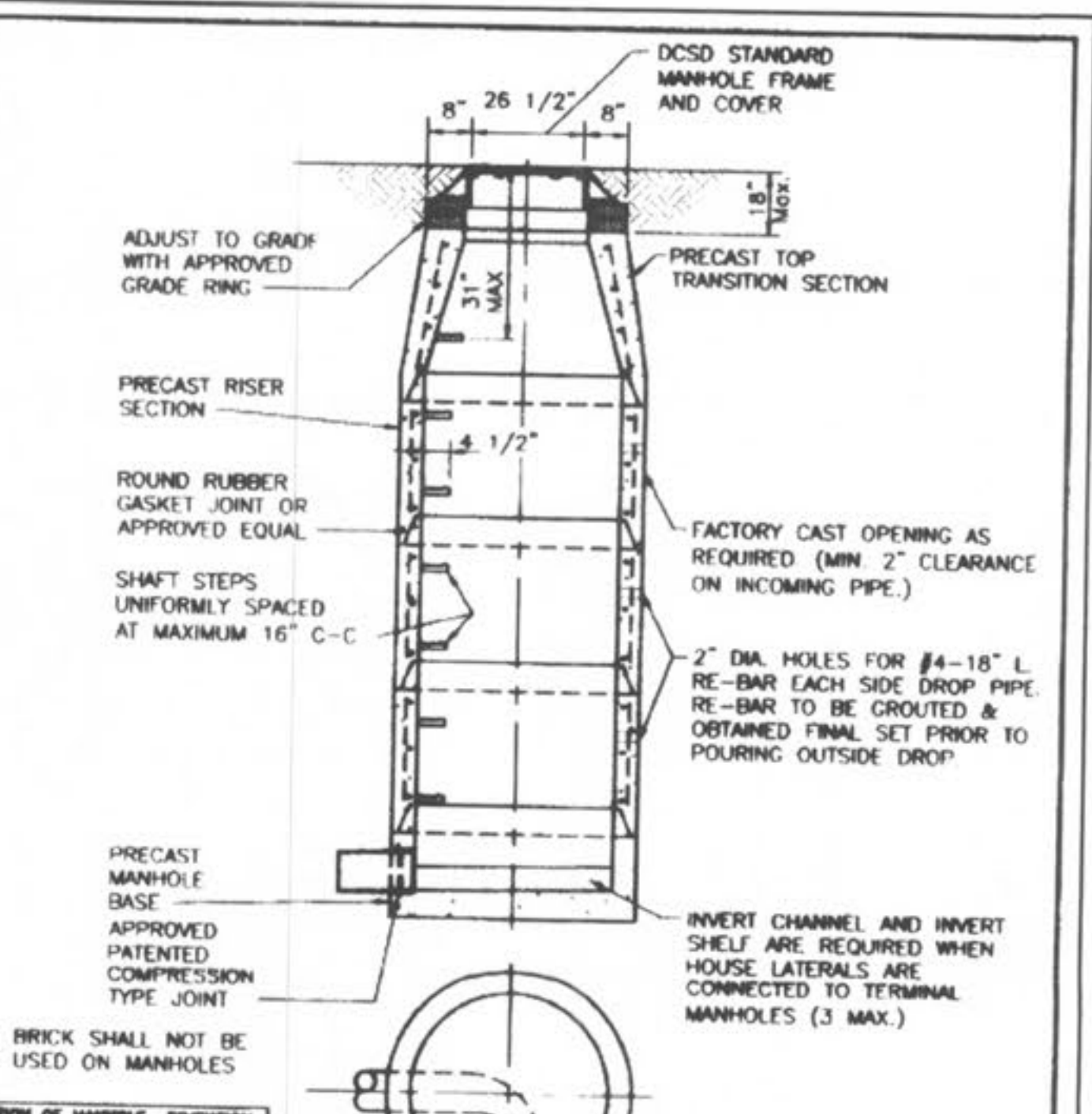
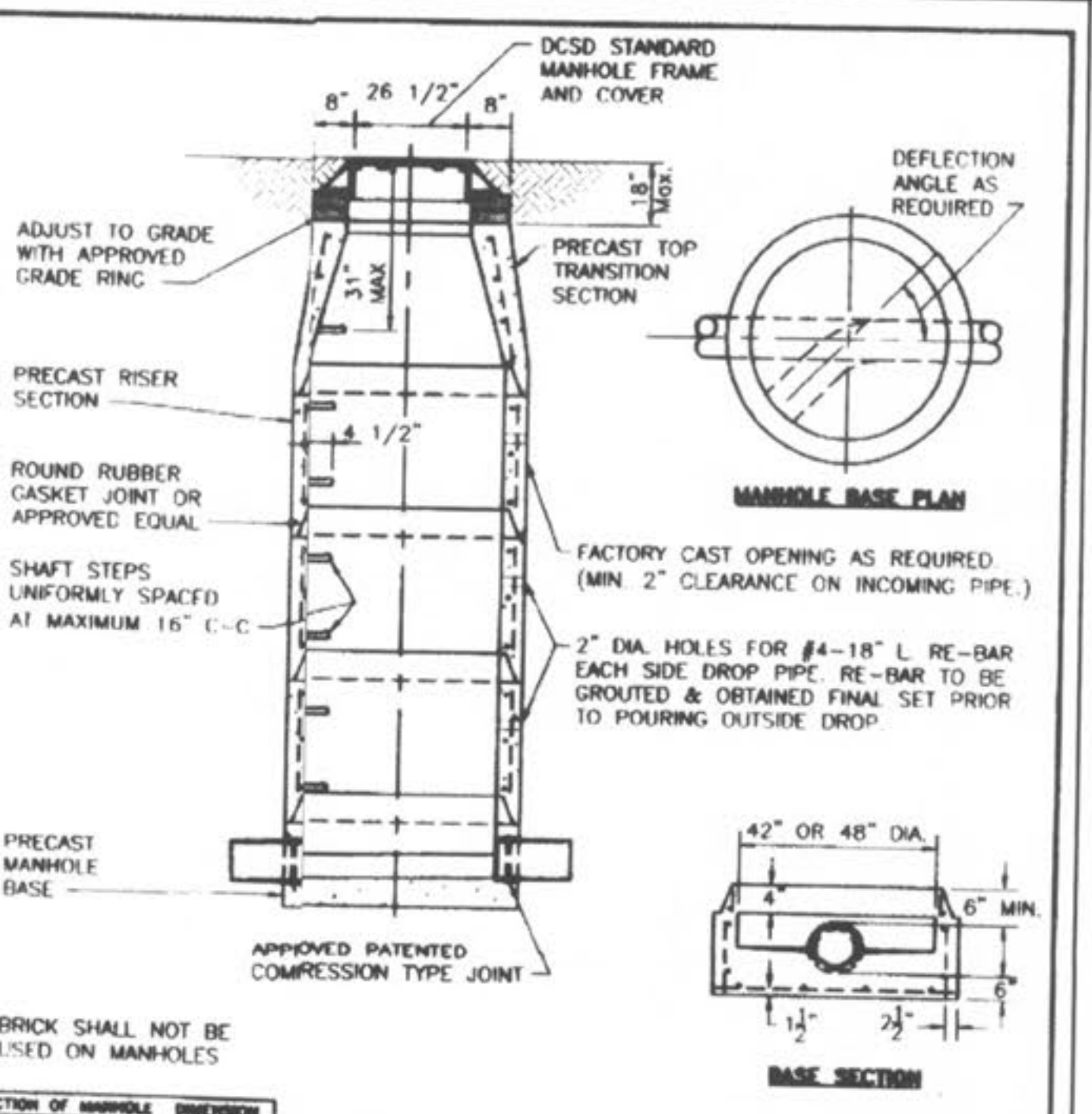
DUCKETT CREEK SANITARY DISTRICT
 PAYLINE WIDTHS OF TRENCH AND PAY-QUANTITIES OF CONCRETE
 Dwn By: BSM App By: KLA Detail No. 1
 Cdd By: MDOB Date: 12-21-99



DUCKETT CREEK SANITARY DISTRICT
 PAYLINE LIMITS FOR EXCAVATION
 Dwn By: BSM App By: KLA Detail No. 2
 Cdd By: MDOB Date: 12-21-99



DUCKETT CREEK SANITARY DISTRICT
 CONCRETE ANTI-SLIP COLLAR FOR PVC PIPE ON PIPE SLOPES FROM 15% TO 50%
 Dwn By: BSM App By: KLA Detail No. 5
 Cdd By: MDOB Date: 12-21-99



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WYNDGATE DUCKETT CREEK SANITARY SEWER DETAILS
 Prepared For: **SUMMIT POINTE, L.C.**
 739 MILL ROAD
 ST. CHARLES, MO. 63301
 (636) 940-9300

REVISIONS NO.	DATE	REVISED PER CITY	REVISED PER CITY OF FALLON
1	10/25/04		
2	02/15/05		
3			
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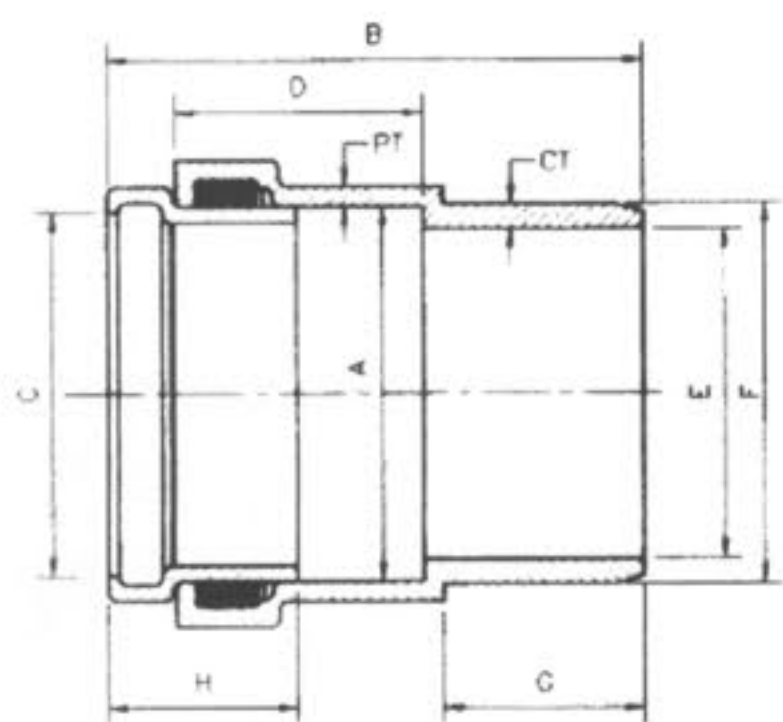
ENGINEERS AUTHENTICATION
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 PICKETT, RAY & SILVER, INC.

DRAWN: J.E.E. DATE: 6-29-04
 CHECKED: D.W.D. DATE: 6-29-04
 PROJECT # 01267.SUP0.02R
 TASK # 2 FIELD BOOK

WYNDGATE DUCKETT CREEK SANITARY SEWER DETAILS
 SHEET 165 OF 174
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I:\3servproj\Projects\01267.dwg\01267DTLS.dwg, 1/4/2007 7:59:53 AM, GARY MEYER

SDR-35 x C900
BELL x SPIGOT ADAPTERS



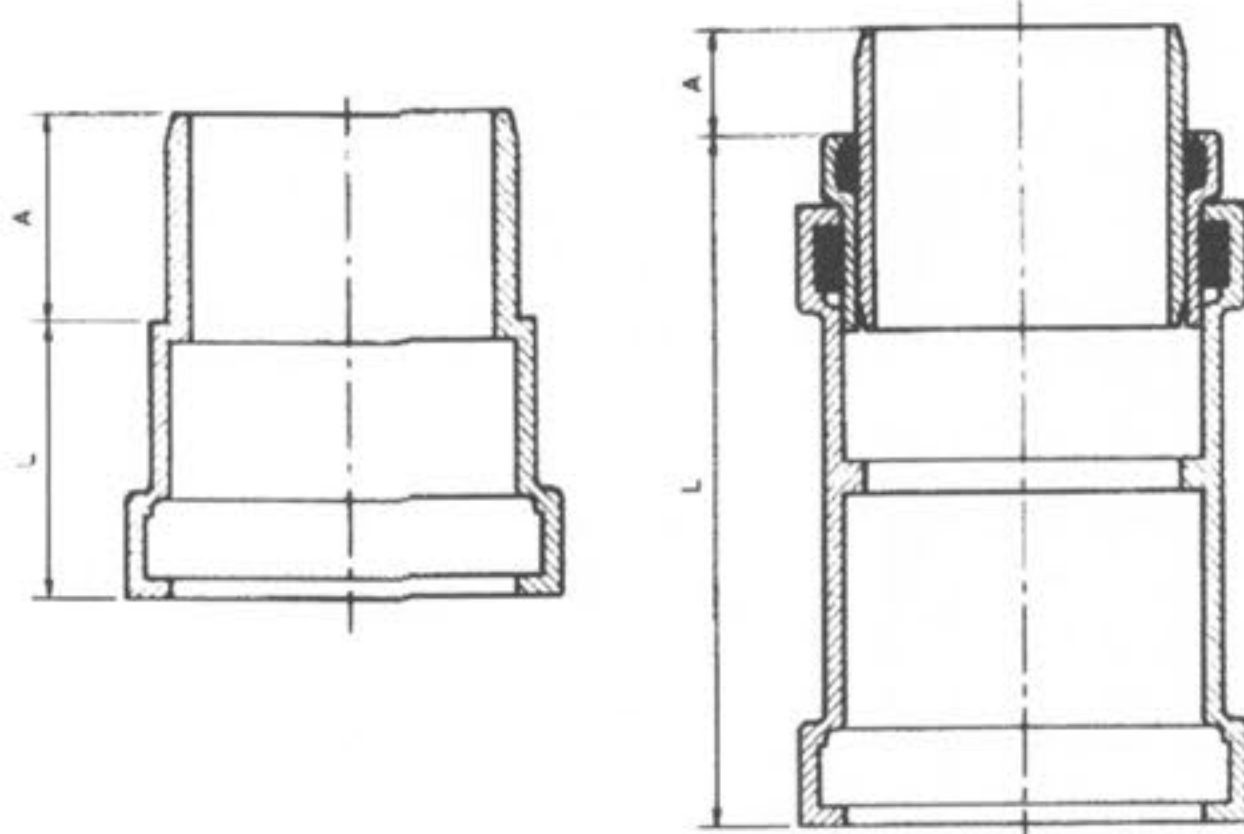
SIZE	CATALOG NO.	A	B	C	D	E	F	G	H	CT	PT
4"	334-040	4.56	8.23	4.25	4.10	3.94	4.80	2.72	2.7	.32	.25
6"	334-060	6.68	9.93	6.31	4.57	5.88	6.90	3.72	3.5	.45	.36

DUCKETT CREEK SANITARY DISTRICT

SDR-35 x C900
BELL AND SPIGOT
ADAPTERS

Rev. By: BSM Date: KLA Date: MDOB Date: 1-3-01 Detail No. 19A

SDR-35 x C900
BELL x SPIGOT ADAPTERS



HARCO STYLE FABRICATED STYLE

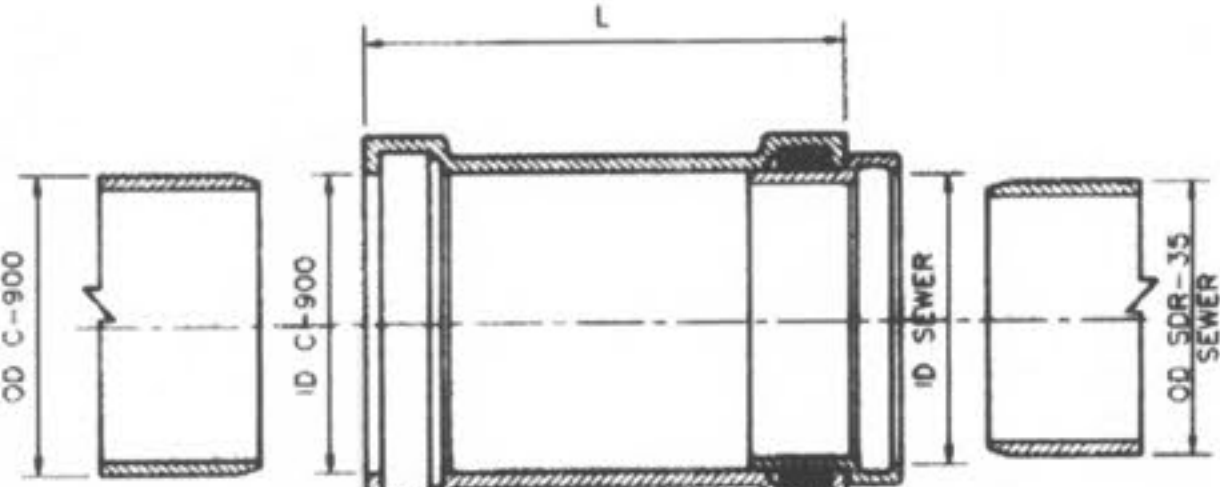
SIZE	CATALOG NO.	A	L	STYLE
4"	335-040	3.2	10.0	FABRICATED
6"	335-060	2.9	3.5	HARCO
8"	335-080	4.0	12.5	FABRICATED

DUCKETT CREEK SANITARY DISTRICT

SDR-35 x C900
BELL AND SPIGOT
SPECIAL 4", 6" & 8" ADAPTERS

Rev. By: BSM Date: KLA Date: MDOB Date: 1-3-01 Detail No. 19B

SDR-35 x C900
BELL x BELL ADAPTERS



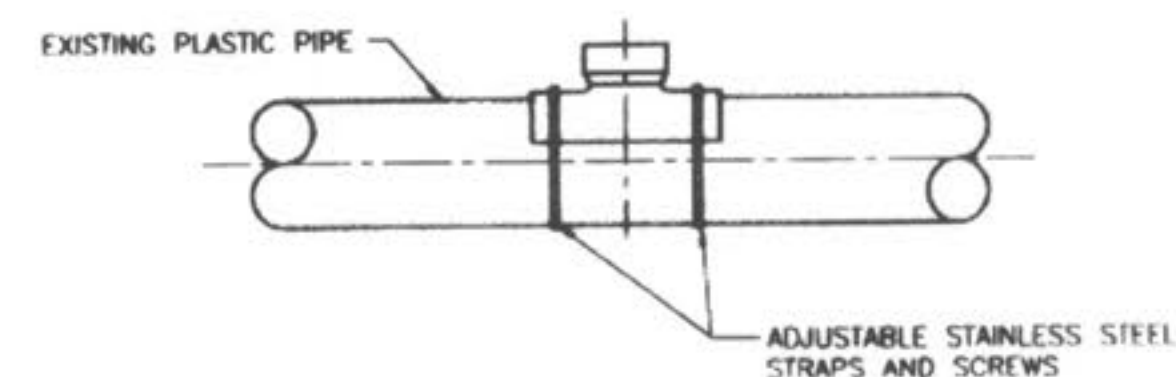
SIZE	CATALOG NO.	OD C900 SEWER	OD C900 SEWER	ID C900 SEWER	ID SEWER	L	CTM QTY	CTM WT
4x4	337-040	4.80	4.215	4.06	4.25	10.0	1	4
6x6	337-060	6.90	6.275	6.96	6.32	11.13	1	8
8x8	337-080	9.05	8.400	9.13	8.45	12.50	1	15

DUCKETT CREEK SANITARY DISTRICT

SDR-35 x C900
BELL AND BELL
4", 6" & 8" ADAPTERS

Rev. By: BSM Date: KLA Date: MDOB Date: 1-3-01 Detail No. 19C

PLASTIC SADDLE WYE OR WYE FITTING
(SOLVENT WELD)



EXISTING PLASTIC PIPE

ADJUSTABLE STAINLESS STEEL STRAPS AND SCREWS

WHEN CONNECTION TO A PLASTIC PIPE IS ALLOWED AND A CONNECTION IS LARGER THAN 6" IN DIAMETER, A SOLVENT WELD WYE OR TEE FITTING OF A SIMILAR MATERIAL MUST BE USED (EXAMPLE: 10" x 8")

THIS IS ACCOMPLISHED BY CAREFULLY CUTTING A HOLE WITH A SAW IN THE MAIN AT THE REQUIRED LOCATION AFTER CUTTING AND SHAPING THE HOLE TO THE SIZE OF THE FITTING. THE FOLLOWING STEPS SHOULD BE TAKEN:

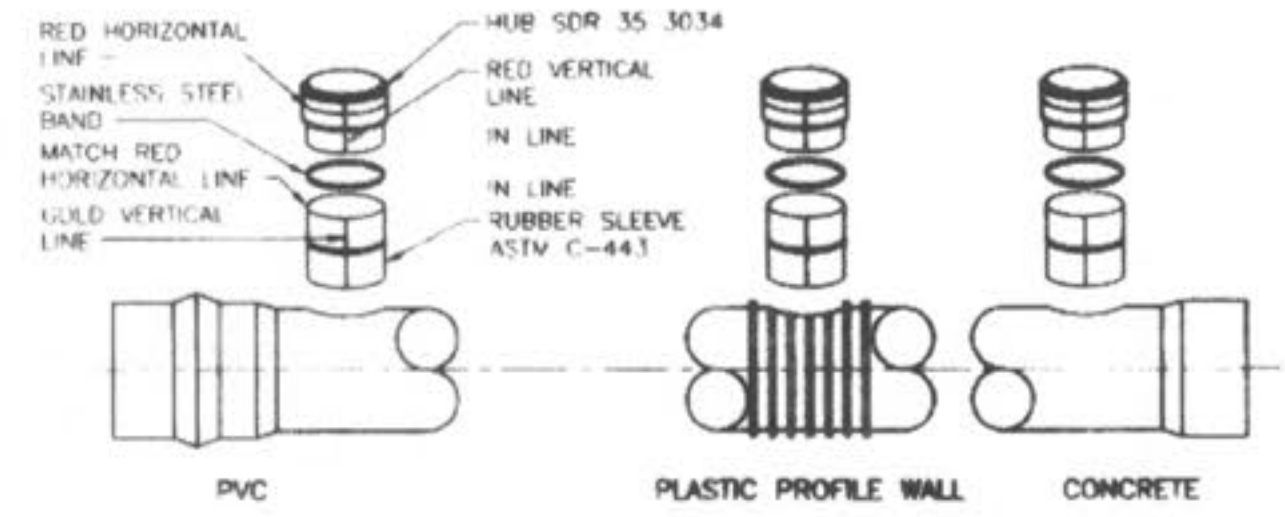
- CLEAN AND DRY BOTH INSIDE THE SADDLE WYE SURFACE AND PIPE SURFACE TO BE SOLVENT CEMENTED.
- IMMEDIATELY APPLY A LIBERAL, HEAVY COAT OF ONE-STEP SOLVENT CEMENT TO THE INSIDE SURFACE OF THE SADDLE WYE AND TO THE EXTERIOR WELDING SURFACE TO THE PIPE.
- WITHOUT DELAY, MATE THE SURFACES AND STRAP DOWN TIGHTLY. A BEAD OF SOLVENT SHOULD APPEAR AFTER THE SADDLE HAS BEEN STRAPPED DOWN TIGHTLY.
- USING A RAG OR PAPER TOWEL, WIPE BEAD AND ANY EXCESS SOLVENT CEMENT OFF PIPE AND SADDLE.
- ALLOW 30-60 MINUTES FOR SET-UP TIME BEFORE BACKFILLING. CURE TIME DEPENDS ON SIZE FIT OF MATERIALS BEING INSTALLED AND VARIOUS COLD DAMP CONDITIONS.
- DISCARD OLD SOLVENT IF IT BECOME GELLED OR LUMPY.
- A CLEAN, DRY BEDDING MATERIAL IS REQUIRED AROUND THE COMPLETED CONNECTION BEFORE BACKFILLING. THE BEDDING MATERIAL SHOULD BE ONE OF THE FOLLOWING:
 - 1 TO 3 CEMENT TO SAND MIX
 - "TWE-AND" CONCRETE
 - DCSD APPROVED BEDDING FOR SANITARY SEWERS

DUCKETT CREEK SANITARY DISTRICT

8" & LARGER
CONNECTION TO
PLASTIC MAIN

Rev. By: BSM Date: KLA Date: MDOB Date: 1-4-01 Detail No. 20A

INSERTA TEE
THE USE OF AN INSERTA TEE
REQUIRES DISTRICT APPROVAL.



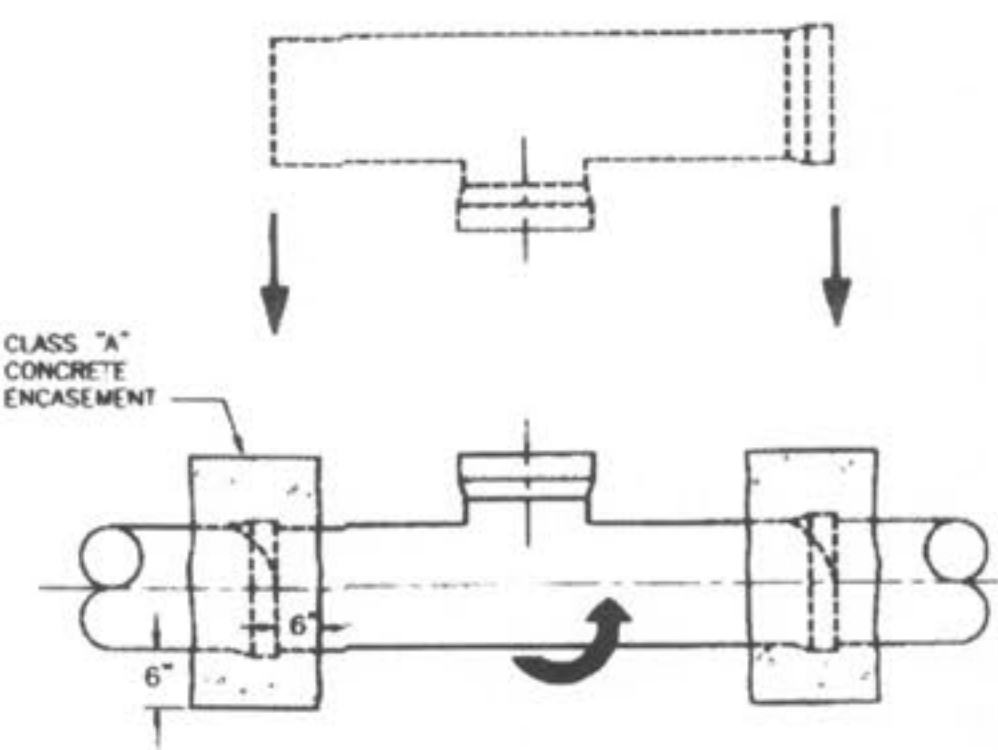
INSTALLATION PROCEDURE:

- CORE THE PROPER SIZE HOLE. TEE SIZE: 4" 6" 8" 10" 12" 15". BIT SIZE: 4 1/2" 6 1/2" 8 1/2" 10 1/2" 12 1/2" 15 1/2"
- INSERT THE RUBBER SLEEVE (1) IN THE CORED HOLE WITH THE GOLD VERTICAL LINE ON THE RUBBER SLEEVE (2) FACING TO THE SIDE OF THE MAIN LINE. THE UPPER SEGMENT SHOULD BE ON TOP OF THE WALL OR THE LOWER SEGMENT (PVC, PROFILE WALL, AND POLYETHYLENE PIPE ONLY) SHOULD BE ON THE INSIDE OF THE PIPE.
- APPLY THE INSERTA TEE SOLUTION SUPPLIED TO THE INSIDE OF THE RUBBER SLEEVE AND TO THE OUTSIDE OF THE PVC HUB ADAPTER. CAUTION - DO NOT USE AIR OR BASED LUBRICANT.
- PLACE THE PVC HUB ADAPTER (3) INTO THE RUBBER SLEEVE. MAKE SURE THAT THE RED VERTICAL LINE (4) ON THE PVC HUB ADAPTER IS IN LINE WITH THE GOLD VERTICAL LINE (2) ON THE RUBBER SLEEVE.
- PLACE THE 2x4 BOARD ONTO THE TOP OF THE PVC HUB ADAPTER.
- THE RED HORIZONTAL LINE (5) AT THE TOP OF THE HUB ADAPTER IS A DEPTH MARK. THIS TELLS THE INSTALLER HOW FAR TO DRIVE THE ADAPTER INTO THE RUBBER SLEEVE. DRIVE THE PVC HUB ADAPTER INTO THE RUBBER SLEEVE TO WHERE THE HORIZONTAL RED LINE (5) ON THE PVC HUB ADAPTER (3) MEETS THE TOP OF THE RUBBER SLEEVE (6).
- PLACE THE STAINLESS STEEL BAND (7) AROUND THE TOP OF THE RUBBER SLEEVE AND TIGHTEN DOWN.
- INSTALL PIPE IN NORMAL MANNER.

DUCKETT CREEK SANITARY DISTRICT

INSERTA TEE
DETAILS AND
SPECIFICATIONS

Rev. By: BSM Date: KLA Date: MDOB Date: 1-4-01 Detail No. 20B



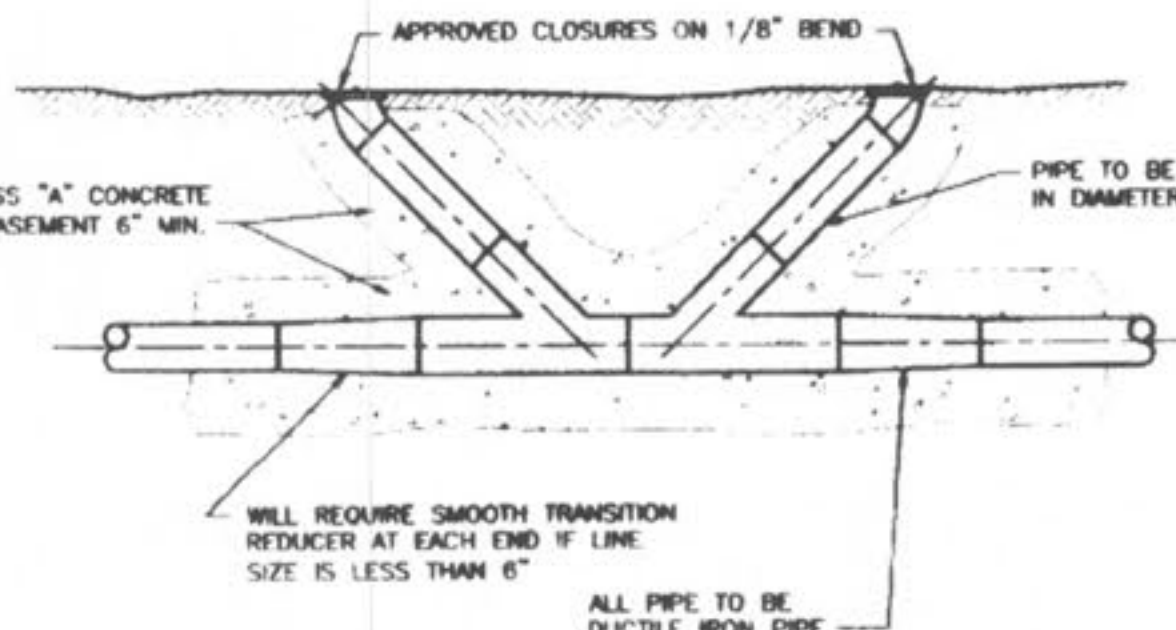
NOTES:

- WHEN A CONNECTION IS ALLOWED LARGER THAN 6" DIAMETER A SADDLE MAY BE USED IF THE I.D. OF THE CONNECTION PIPE IS NOT GREATER THAN ONE HALF (1/2) OF THE I.D. OF THE MAIN SEWER. (EXAMPLE: 24" x 10")
- IF THE I.D. OF THE CONNECTION PIPE IS GREATER THAN ONE HALF (1/2) THE I.D. OF THE MAIN SEWER THE WYE OR TEE MUST BE "ROLLED IN" (EXAMPLE: 15" x 8")
- THIS IS ACCOMPLISHED BY BREAKING AWAY AND REMOVING ONE SECTION OF PIPE. THE TOP HALF OF THE BELL ON THE PIPE LYING ADJACENT TO THE GAP IS CAREFULLY BROKEN OFF. THE TOP HALF OF THE BELL ON THE MAIN REPLACEMENT SECTION (WITH A "TEE" WYE) FITTING IS ALSO BROKEN OFF. THE REPLACEMENT PIPE IS THEN PLACED IN THE LINE GAP WITH THE STUB POINTED IN THE WRONG DIRECTION. THE BROKEN BELLS ON THE REPLACEMENT AND ADJOINING PIPE MAKE IT POSSIBLE FOR THE REPLACEMENT SECTION TO FIT INTO THE SEWER LINE WITHOUT DISTURBING THE ADJOINING PIPE SECTIONS. THE REPLACEMENT SECTION IS THEN REATED TO THE DESIRED POSITION AND THE BROKEN BELLS ARE ENCASED WITH A 6" CLASS "A" CONCRETE ENCASEMENT.
- I.D. OF MAIN SEWER SHALL NOT BE DECREASED BY A ROLL-IN CONNECTION.

DUCKETT CREEK SANITARY DISTRICT

"ROLL-IN"
(FOR EXISTING
CLAY OR CONCRETE PIPE)

Rev. By: BSM Date: KLA Date: MDOB Date: 1-5-01 Detail No. 21

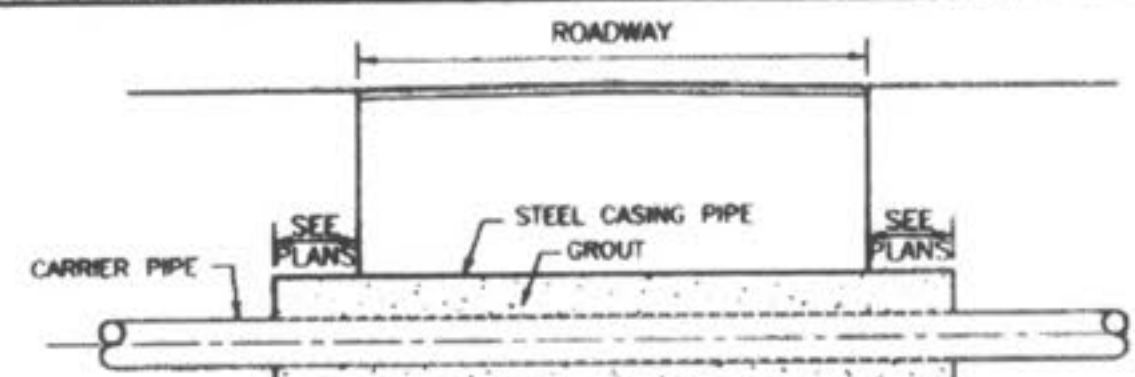


1800' MAXIMUM SPACING

DUCKETT CREEK SANITARY DISTRICT

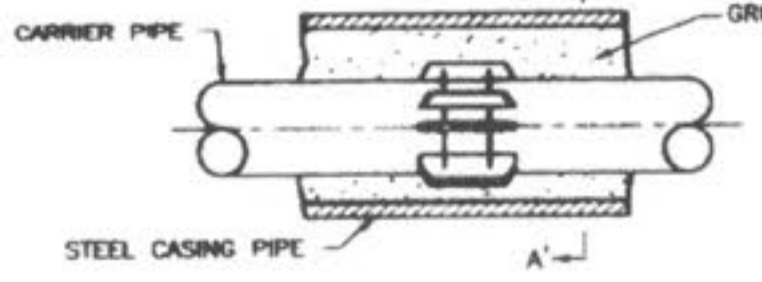
FORCE MAIN
CLEANOUT
(6" DIA. & SMALLER)

Rev. By: BSM Date: KLA Date: MDOB Date: 1-5-01 Detail No. 22

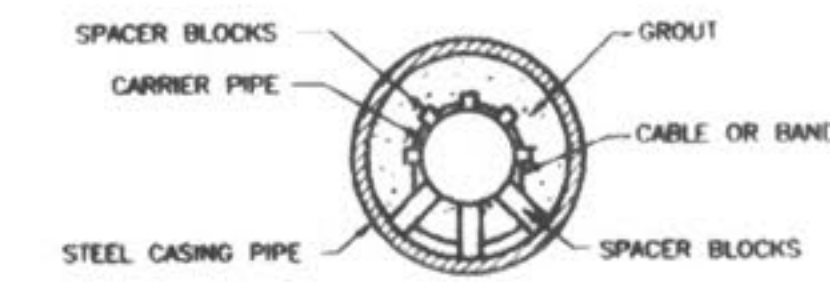


BORING DETAIL

- NOTES:
- INSIDE DIAMETER OF CASING PIPE TO BE MINIMUM OF 4" GREATER THAN COUPLING DIAMETER OF CARRIER PIPE.
 - ENCASEMENTS TO BE INSTALLED UNDER THE ROAD BY MEANS OF JACKING IT THROUGH, OR BY DRY BORING A HOLE THAT WILL RECEIVE THE CASING WITH A SNUG FIT.
 - THE OUTSIDE DIAMETER OF THE CASING SHALL NOT BE LESS THAN, NOR MORE THAN ONE INCH GREATER THAN THE BORED HOLE.
 - THE ANNULAR SPACE BETWEEN THE CASING PIPE AND THE BORED HOLE SHALL BE FILLED WITH GROUT.



SUPPORT OF CARRIER PIPE OR FORCE MAIN IN CASING



SECTION A-A'

DUCKETT CREEK SANITARY DISTRICT

ROADWAY
BORING
DETAIL

Rev. By: BSM Date: KLA Date: MDOB Date: 1-5-01 Detail No. 23

PICKETT RAY & SILVER
CIVIL ENGINEERS
PLANNERS
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WYNDGATE
DUCKETT CREEK
SANITARY SEWER DETAILS

230 FOX HILL ROAD
ST. CHARLES, MO 63301
(636) 340-9300

Prepared For:
SUMMIT POINTE, L.C.

REVISIONS	NO.	DATE	REVISED PER CITY	REVISED PER CITY OF OTTAWA
	1	10/25/04		
	2	02/18/05		
	3			
	4			
	5			
	6			

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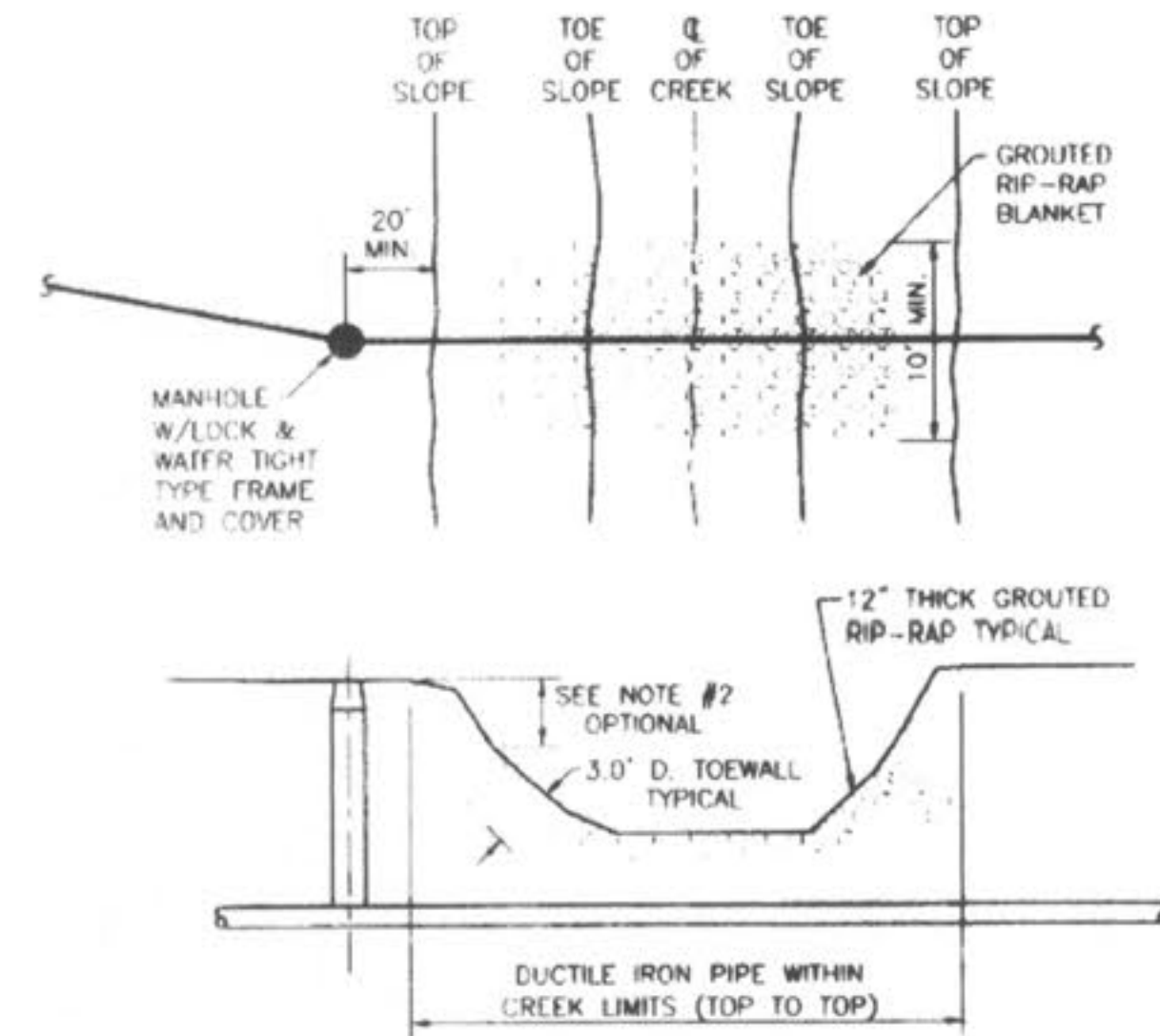
DRAWN	J.E.E.	DATE	6-29-04
CHECKED	D.W.D.	DATE	6-29-04
PROJECT #	01267.SUPO.02R	TASK #	2
FIELD BOOK			

WYNDGATE
DUCKETT CREEK
SANITARY SEWER DETAILS

SHEET 167 OF 174

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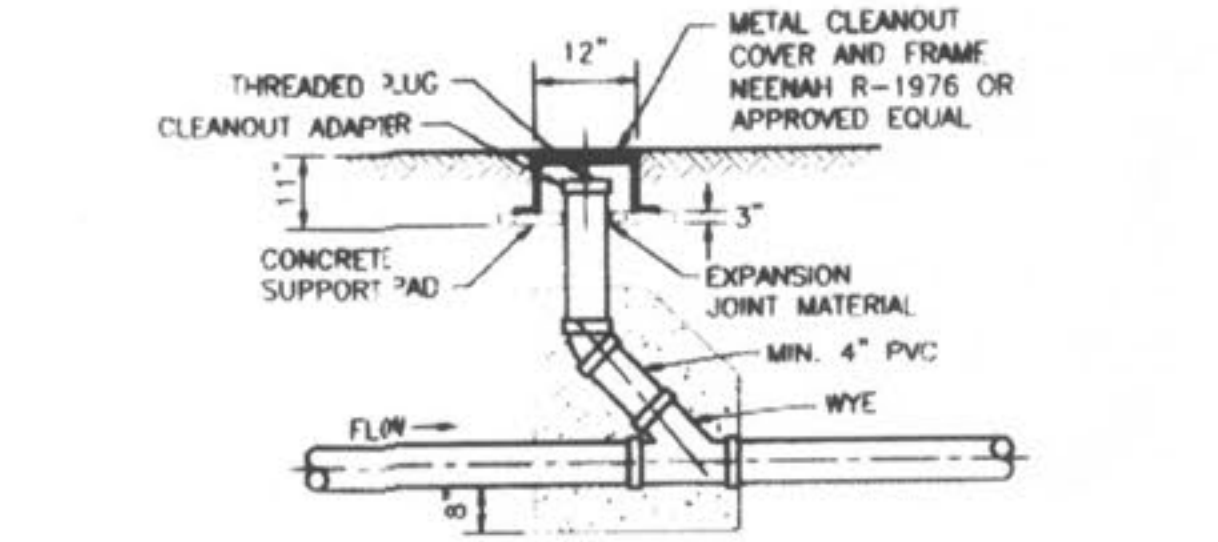




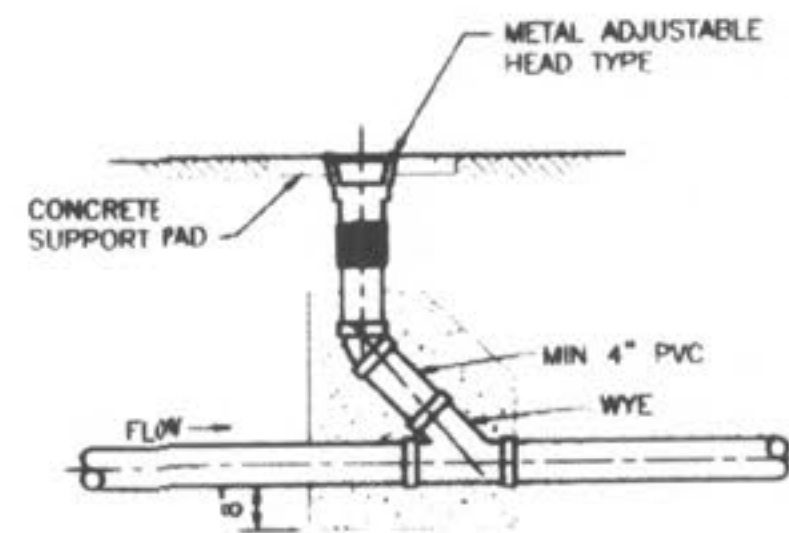
- NOTES:
1. GROUTED RIP-RAP IS REQUIRED AT ALL CREEK CROSSINGS WHERE THE EMBANKMENTS CROSSED ARE STEEPER THAN 1 VERTICAL TO 2 HORIZONTAL RATIO SLOPE, AND ALSO WHERE THERE IS 3 FEET OR LESS COVER OVER THE TOP OF THE SEWER MAIN
 2. PLACE RIP-RAP ON LOWER 3/4 OF SLOPE. GRADE UPPER 1/4 OF SLOPE AT 1 VERTICAL TO 2 HORIZONTAL SLOPE FOR SOD OR 1 VERTICAL TO 2.5 HORIZONTAL SLOPE FOR SEED AND STRAW
 3. RIP-RAP TO BE "MSD 5" GRADATION, MINIMUM 12" THICK, GROUTED WITH 8 SACK MIX, SAND-CEMENT SLURRY, BROOM FINISH.
 4. INCORPORATE A 3 FEET DEEP TOE WALL ON EMBANKMENT'S UPPER EDGE OF RIP-RAP
 5. TOP SURFACE OF RIP-RAP SHOULD NOT BE HIGHER THAN ADJACENT GROUND SURFACE
 6. IF PIPE HAS LESS THAN 12" COVER, A PAVED CHANNEL MAY BE REQUIRED.
 7. DUCTILE IRON PIPE IS REQUIRED WITHIN THE CREEK LIMITS.

DUCKETT CREEK SANITARY DISTRICT

TYPICAL CREEK CROSSING	Rev. By: BSM	App. By: KLA	Sheet No. 24
	Chk. By: MDOB	Date: 1-8-01	



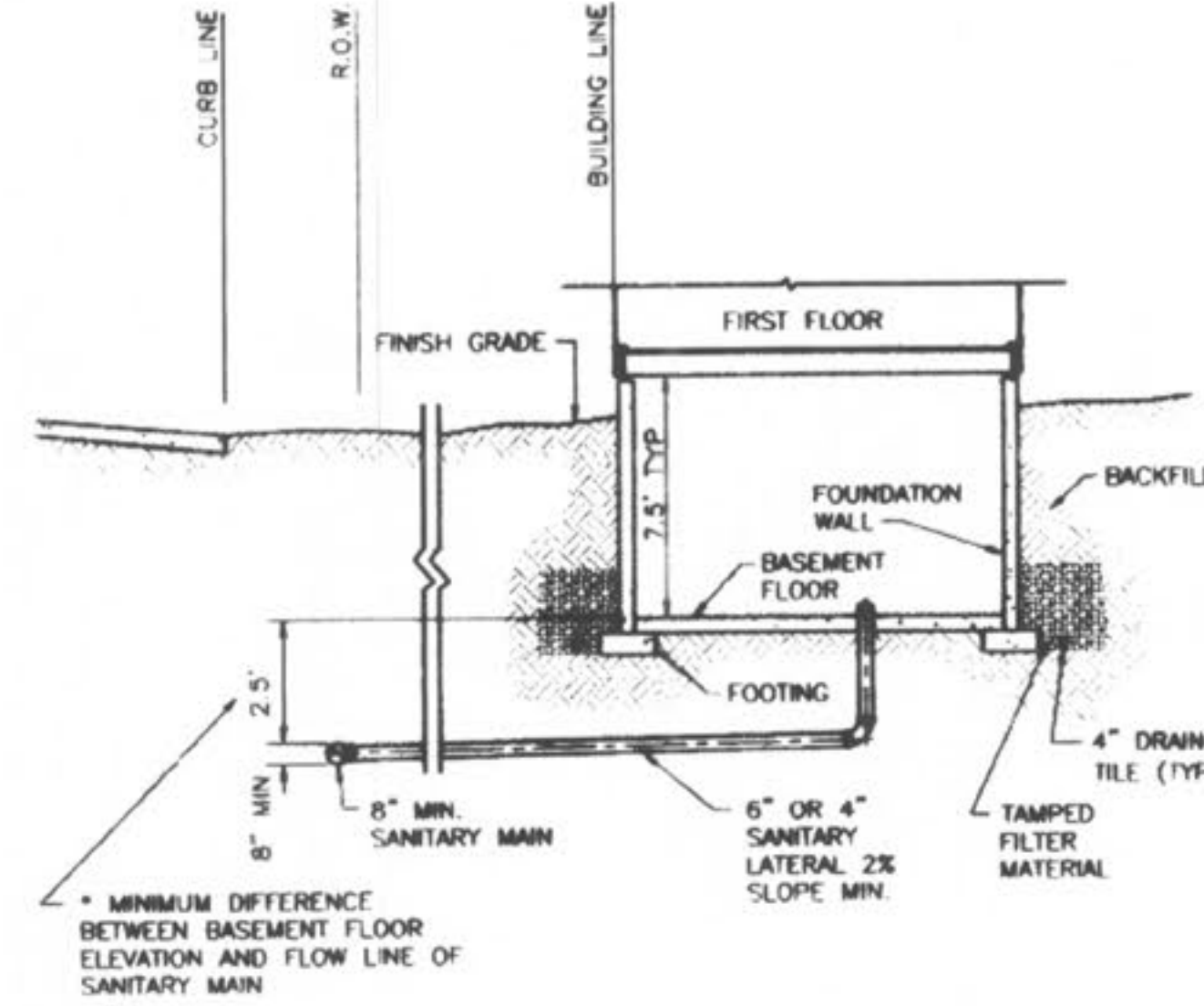
METAL FRAME AND COVER TYPE CLEANOUT



ADJUSTABLE HEAD TYPE CLEANOUT

DUCKETT CREEK SANITARY DISTRICT

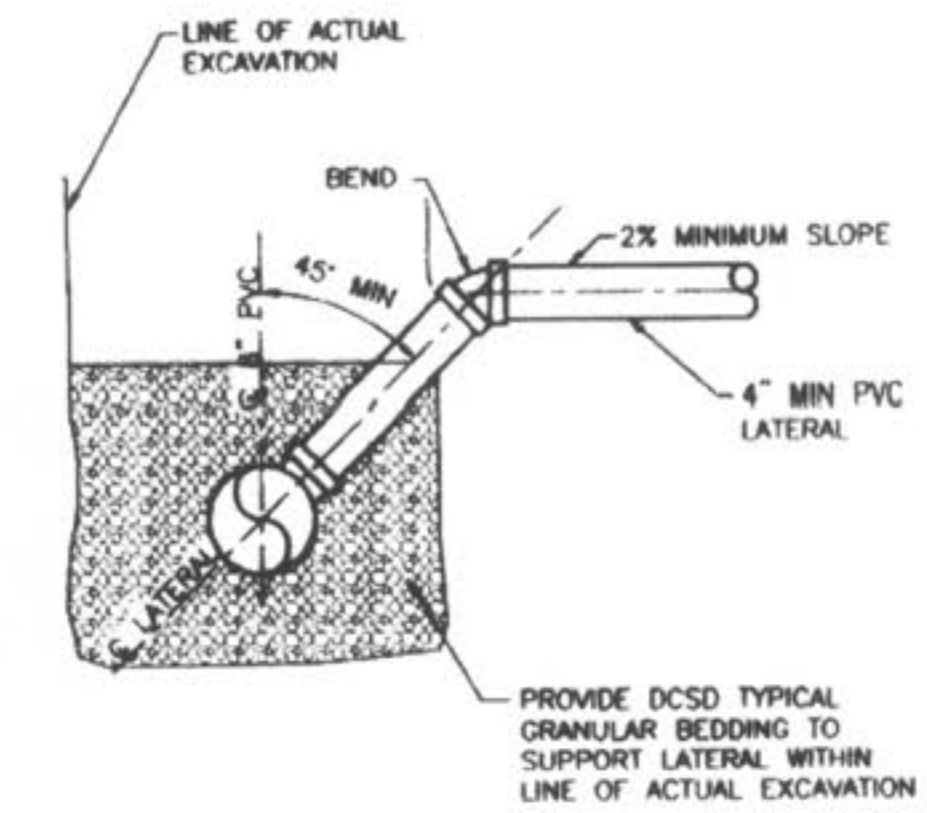
TYPICAL SEWER LATERAL CLEANOUT DETAILS	Rev. By: BSM	App. By: KLA	Sheet No. 25
	Chk. By: MDOB	Date: 1-8-01	



*NOTE: DIFFERENCE IN DEPTH INCREASES WITH PIPE SIZE

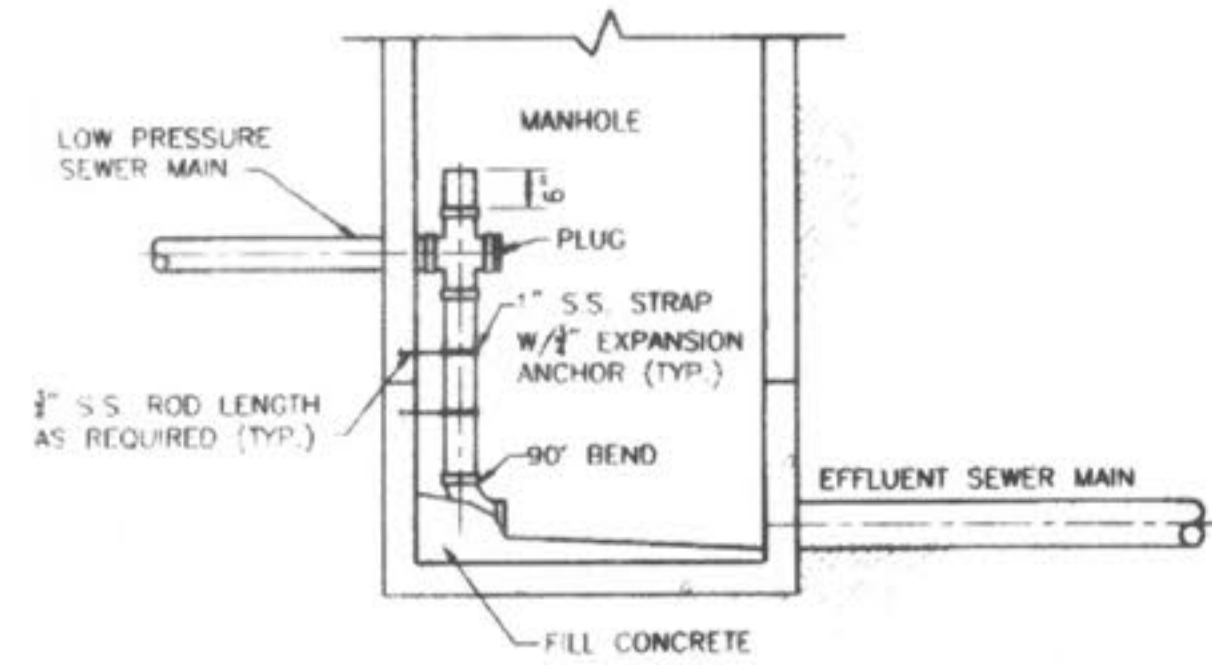
DUCKETT CREEK SANITARY DISTRICT

TYPICAL SANITARY SEWER LATERAL PROFILE	Rev. By: BSM	App. By: KLA	Sheet No. 26
	Chk. By: MDOB	Date: 1-9-01	



DUCKETT CREEK SANITARY DISTRICT

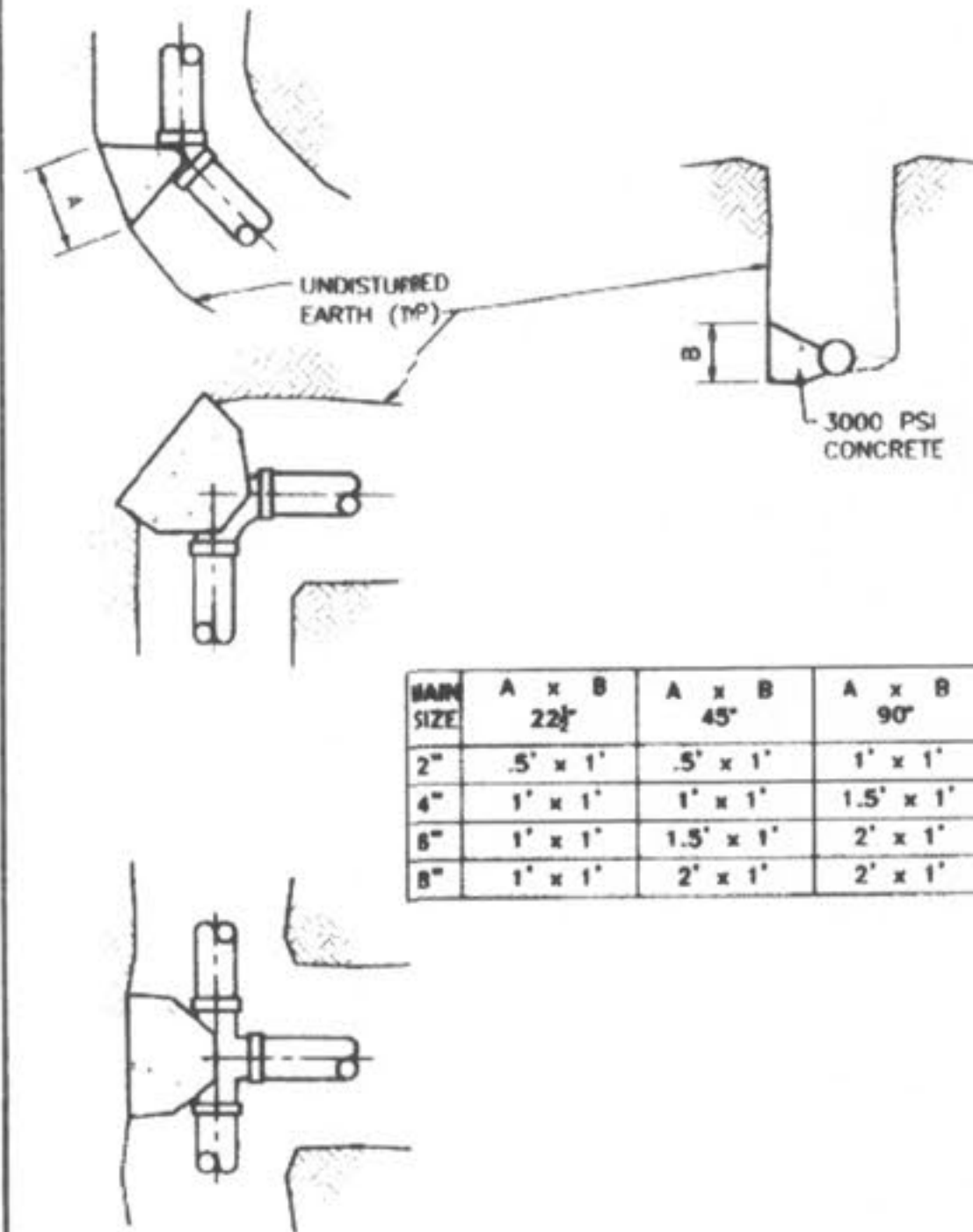
SANITARY SEWER LATERAL RISER DETAIL	Rev. By: BSM	App. By: KLA	Sheet No. 27
	Chk. By: MDOB	Date: 1-9-01	



NOTE: INVERT-BOTTOM SHALL BE WORKED TO PROVIDE POSITIVE DRAINAGE THROUGH MANHOLE

DUCKETT CREEK SANITARY DISTRICT

LOW PRESSURE SEWER MAIN CONNECTION AT MANHOLE	Rev. By: BSM	App. By: KLA	Sheet No. 28
	Chk. By: MDOB	Date: 1-9-01	



DUCKETT CREEK SANITARY DISTRICT

THRUST BLOCK DETAIL AND SIZE SCHEDULE	Rev. By: BSM	App. By: KLA	Sheet No. 29
	Chk. By: MDOB	Date: 1-9-01	

REVISIONS	NO.	DATE	REVISED PER CITY
	1	10/25/04	REVISED PER CITY OF FALLON
	6	02/19/05	REVISED PER CITY OF FALLON

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CHECKED	D.W.D.	DATE	6-29-04
PROJECT #	01267.SUP0.02R	TASK #	2
		FIELD BOOK	

