

BROOKSIDE

A TRACT OF LAND BEING PART OF
SECTIONS 22, 23, 26, & 27, AND PART OF
U.S. SURVEY 54, TOWNSHIP 47 NORTH, RANGE 2 EAST,
ST. CHARLES COUNTY, MISSOURI

GENERAL NOTES

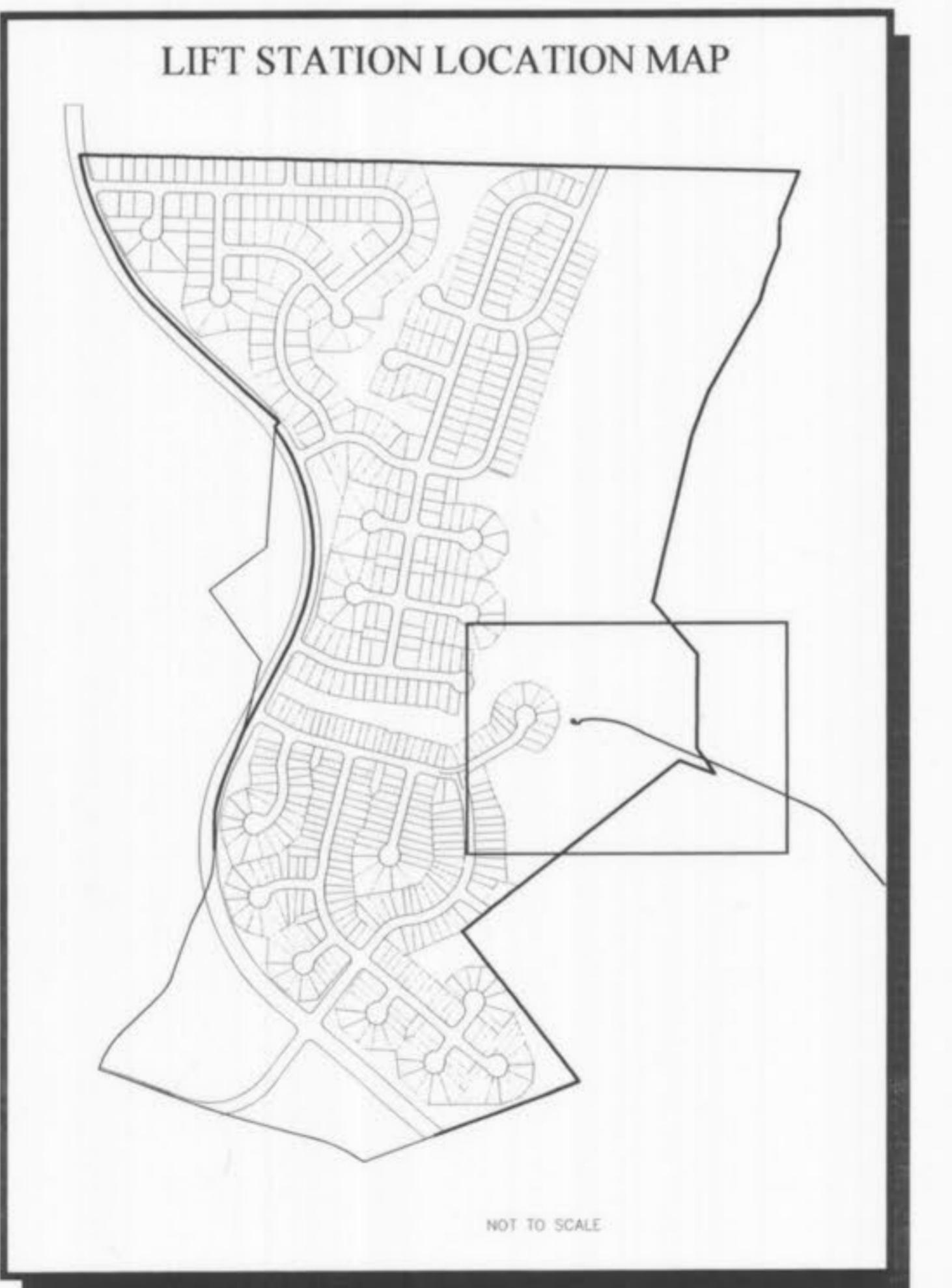
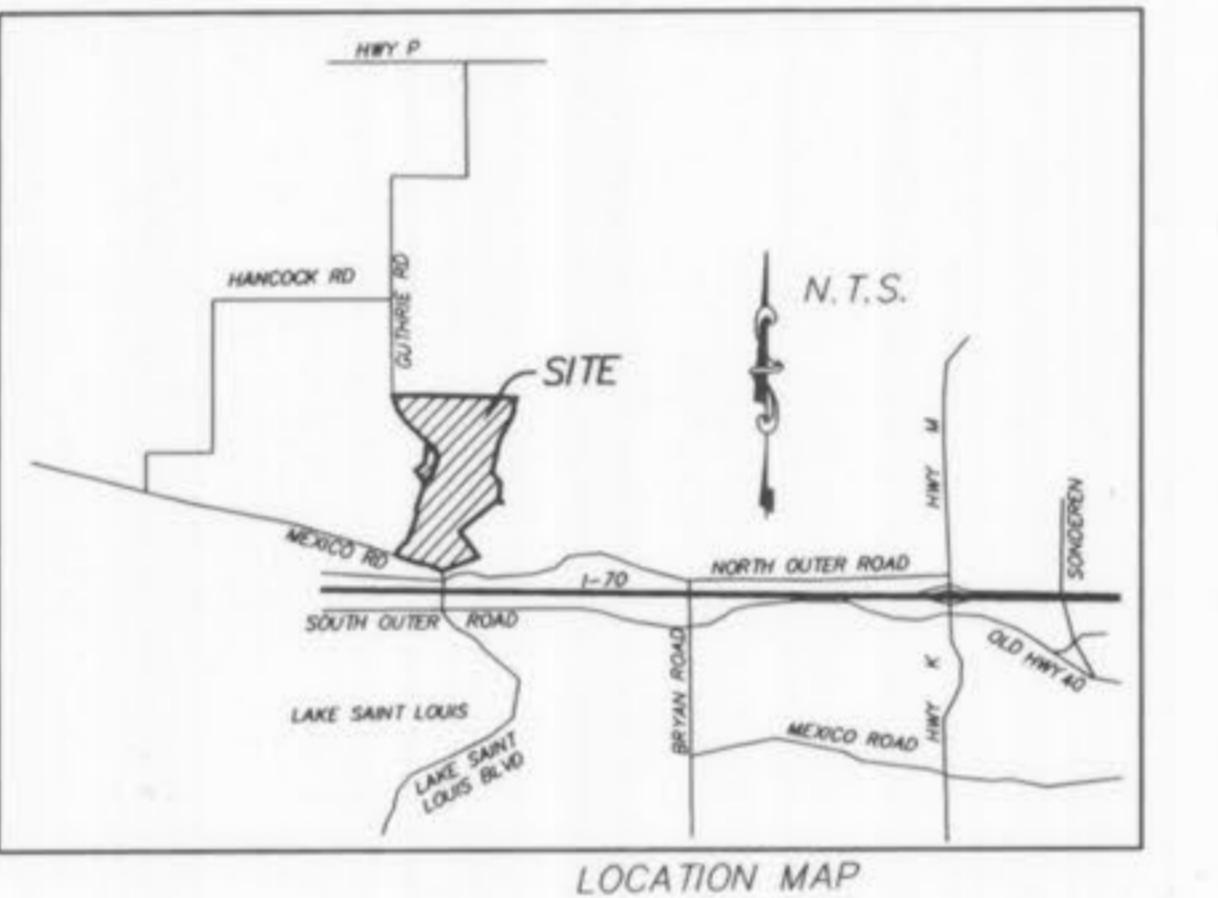
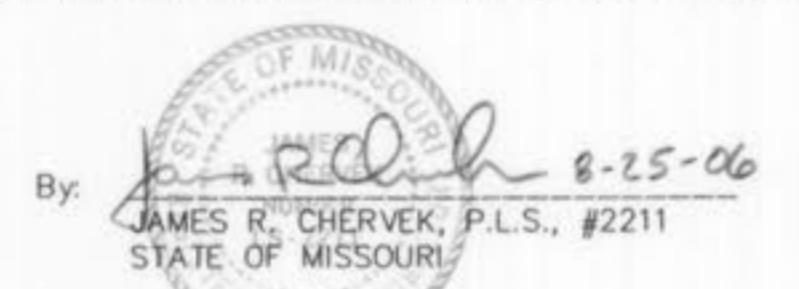
- Gas, water and other underground utilities shall not conflict with the depth or horizontal locations of existing and proposed sanitary and storm sewers, including house laterals.
 - Underground utilities have been plotted from available information and, therefore, their locations must be verified by a soils engineer. The verification of the location of all underground utilities, either shown or not shown on these plans, shall be the responsibility of the contractor and shall be located prior to grading or construction of improvements.
 - All filled places under buildings, proposed sanitary and storm sewer lines, and/or paved areas including trench backfills shall be compacted to at least 90% of maximum dry density as determined by the "Modified A.A.S.H.T.O. T-180 Compaction Test" (ASTM D-1557) unless otherwise specified by the local governing authority specifications. All tests will be verified by a Soils Engineer.
 - All filled places in paved State, County or City roads (highways) shall be compacted to at least 90% of the maximum dry density as determined by the "Modified A.A.S.H.T.O. T-180 Compaction Test" (ASTM D-1557), unless otherwise specified by local governing authority specifications. All tests will be verified by a Soils Engineer.
 - Earth subgrade for paved areas must be compacted to 90% of maximum dry density as determined by the "Modified A.A.S.H.T.O. T-180 Compaction Test" (ASTM D-1557), and must be inspected and approved by a representative of the City, before paving can commence.
 - All grading on City of O'Fallon right-of-way shall be seeded and mulched and all disturbed right-of-way markers shall be reset at the completion of grading.
 - No area shall be cleared without permission of the developer.
 - All grades shall be within 0.2 feet more or less of those shown on the grading plan.
 - No slope shall be greater than 3:1 and shall be either sodded or seeded and mulched.
 - The developer shall contract with a soil consultant firm registered in the State of Missouri during the grading operation to provide cut and fill and to verify proper compaction has been achieved. A report shall be prepared by the soils consultant and provided to the City for verification of the grading operation.
 - Owner/Developer assumes full responsibility as to the performance of the grading operation and assurance that all properties and roads will be adequately protected.
 - The total yardage for this project is based on a 15.0% shrinkage factor.
 - The shrinkage factor is subject to change, due to soil conditions, (types and moisture content), weather conditions and the amount of rainfall actually achieved at the time year grading is performed. As a result, adjustments in final grade may be required. If adjustments need to be made, the contractor shall contact the project engineer, prior to completion of the grading.
 - If straw bales or siltation fence are destroyed by heavy traffic, vandalism, etc., they are to be replaced promptly by Contractor.
 - All fills under and within 15 feet of the building areas that are deeper than 8 feet shall be compacted to at least 92 percent of the maximum dry density as determined by a modified proctor test. Fills less than 8 feet in building areas should be compacted to at least 90 percent of the maximum dry density as determined by a modified proctor test.
 - Where natural vegetation is removed during grading, vegetation must be re-established in sufficient density as to prevent erosion. Permanent tree grasses shall be established as soon as possible or during the next seeding period after grading has been completed.
 - When grading operations are completed or suspended for more than 14 days, vegetation must be established at sufficient density to provide erosion control from the rain. Before the start of grass seeding periods, temporary cover shall be provided according to the designated officials recommendation.
 - A separate permit must be obtained for demolition of existing buildings and structures.
 - A Special-Use Permit must be obtained from St. Charles County Highway Department before any work can be performed in Mexico Road or Guthrie Road right-of-way. Please contact Donna Ray at St. Charles County Highway Department at 636-949-7305.
 - St. Charles County Highway Department shall be notified 24 hours prior to the start of construction. Contact Vance Gribble at 636-949-7305.
 - Contractor will be responsible for any damage done to the newly paved Mexico Road. Any damage done to the road should be replaced as follows:
 - Pavement - Damaged area should be milled 1/2 width of existing road surface, SSSH tack oil be applied to milled area, 2" thick overlay (BP-1).
- Guthrie Road and Mexico Road must be kept clean of mud and debris. Clean up of both roads must be done throughout the workday.

LIFT STATION & OFF-SITE FORCE MAIN

DRAWING INDEX

| Sheet | Description |
|---------|---|
| 1 | COVER SHEET |
| 31A | VILLAGE "A" LIFT STATION SITE PLAN |
| 32A-33A | VILLAGE "A" OFFSITE FORCE MAIN PLAN & PROFILE |
| 34A-38A | VILLAGE "A" LIFT STATION DETAILS |

These "As-Built" SANITARY SEWER plans are based on actual field measurements and the results are shown hereon.



| | | |
|-----------------------------|------------------------------|-------------------------------------|
| ● Sanitary Sewer (Proposed) | ■ Sanitary Structure | R.C.P. Reinforced Concrete Pipe |
| ○ Sanitary Sewer (Existing) | □ Storm Structure | C.M.P. Corrugated Metal Pipe |
| — Storm Sewer (Proposed) | ● Test Hole | C.I.P. Cast Iron Pipe |
| -□- Storm Sewer (Existing) | -DP- Power Pole | P.V.C. Polyvinyl Chloride |
| 8'-> Water Line & Size | ■ Light Standard | V.C.P. Vitrified Clay Pipe |
| EX W- Existing water line | ● Double Water Meter Setting | |
| ■ Tee & Valve | ● Single Water Meter Setting | C.O. Clean Out |
| Hydrant | ● Curb Inlet | V.T. Vent Trap |
| Cap | ● Skewed Curb Inlet | T.B.R. To Be Removed |
| 18 Lot or Building Number | ● Double Curb Inlet | T.B.R.&R. To Be Removed & Relocated |
| x Existing Fence Line | ● G.I. Grate Inlet | T.B.P. To Be Protected |
| ~ Existing Tree Line | ● A.I. Area Inlet | T.B.A. To Be Abandoned |
| ST Street Sign | ● D.A.I. Double Area Inlet | B.C. Base Of Curb |
| Existing Contour | ● C.C. Concrete Collar | T.C. Top Of Curb |
| Proposed Contour | ● F.E. Flared End Section | T.W. Top Of Wall |
| Rip-Rap | ● E.P. End Pipe | B.W. Base Of Wall |
| End of Lateral | ● E.D. Energy Dissipater | (TYP) Typical |
| Asphalt Pavement | ● M.H. Manhole | U.N.O. Unless Noted Otherwise |
| Concrete Pavement | ● C.P. Concrete Pipe | U.I.P. Use In Place |
| Strawbales | | |

PROJECT BENCH MARK

NCVD (same as USGS)
RM-45: Chiseled square on the southeast wingwall of the Lake Saint Louis Boulevard bridge over the spillway of Lake Saint Louis.
Elev. 526.16

SITE BENCH MARK

RM-45: Chiseled square on the southeast wingwall of the Lake Saint Louis Boulevard bridge over the spillway of Lake Saint Louis.
Elev. 526.16

AS-BUILTS

PICKETT RAY & SILVER
CIVIL ENGINEERS
PLANNERS
LAND SURVEYORS

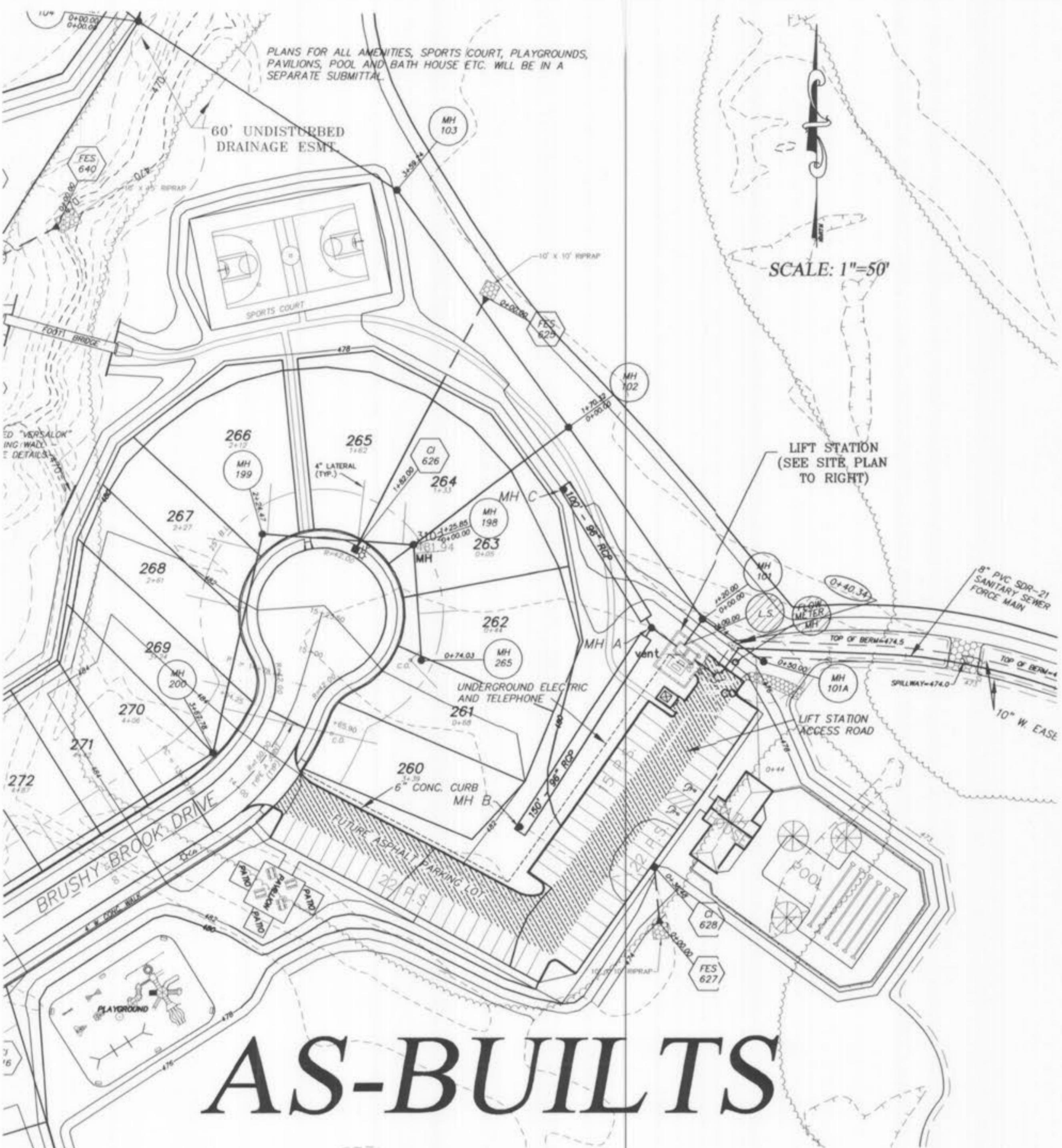
BROOKSIDE
LIFT STATION & OFF-SITE FORCE MAIN
COVER SHEET
Prepared For:
SUMMIT POINTE L.C.

| REVISIONS | DATE | COMMENTS |
|-----------|---------|--------------------------------|
| 1 | 6/06/05 | REV. PER CITY COMMENTS 4/27/05 |
| 2 | 6/14/05 | REVISED PER CLIENT |
| 3 | 8/11/05 | REV. PER CITY COMMENTS 7/26/05 |
| | 1/10/07 | REV. PER CITY COMMENTS 1/10/07 |

| DRAWN | DATE |
|-----------|------------------|
| JEE | 8-26-04 |
| CHECKED | DWD |
| PROJECT # | 03029.SUP0.01R |
| TASK # | 4 FIELD BOOK 847 |

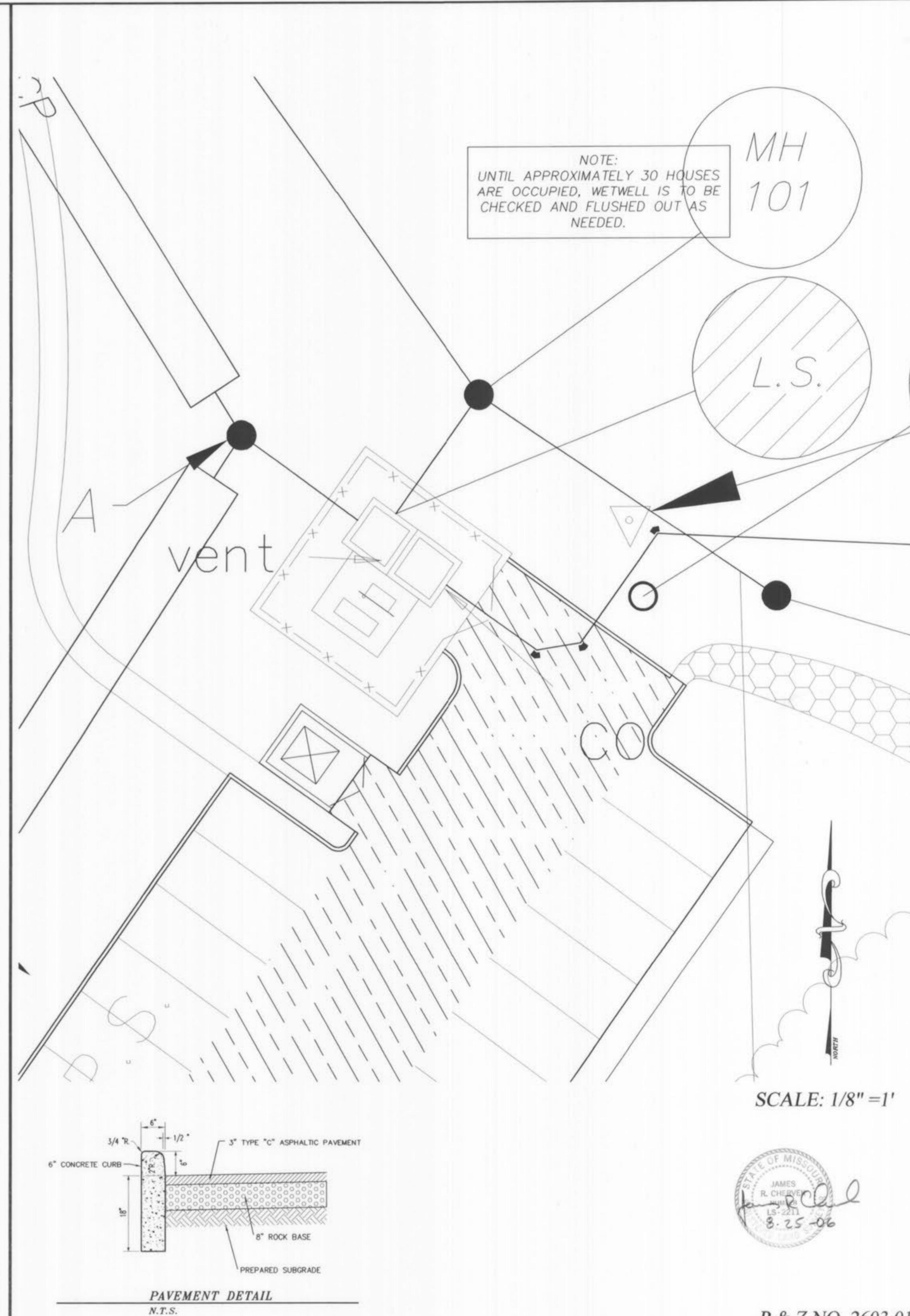
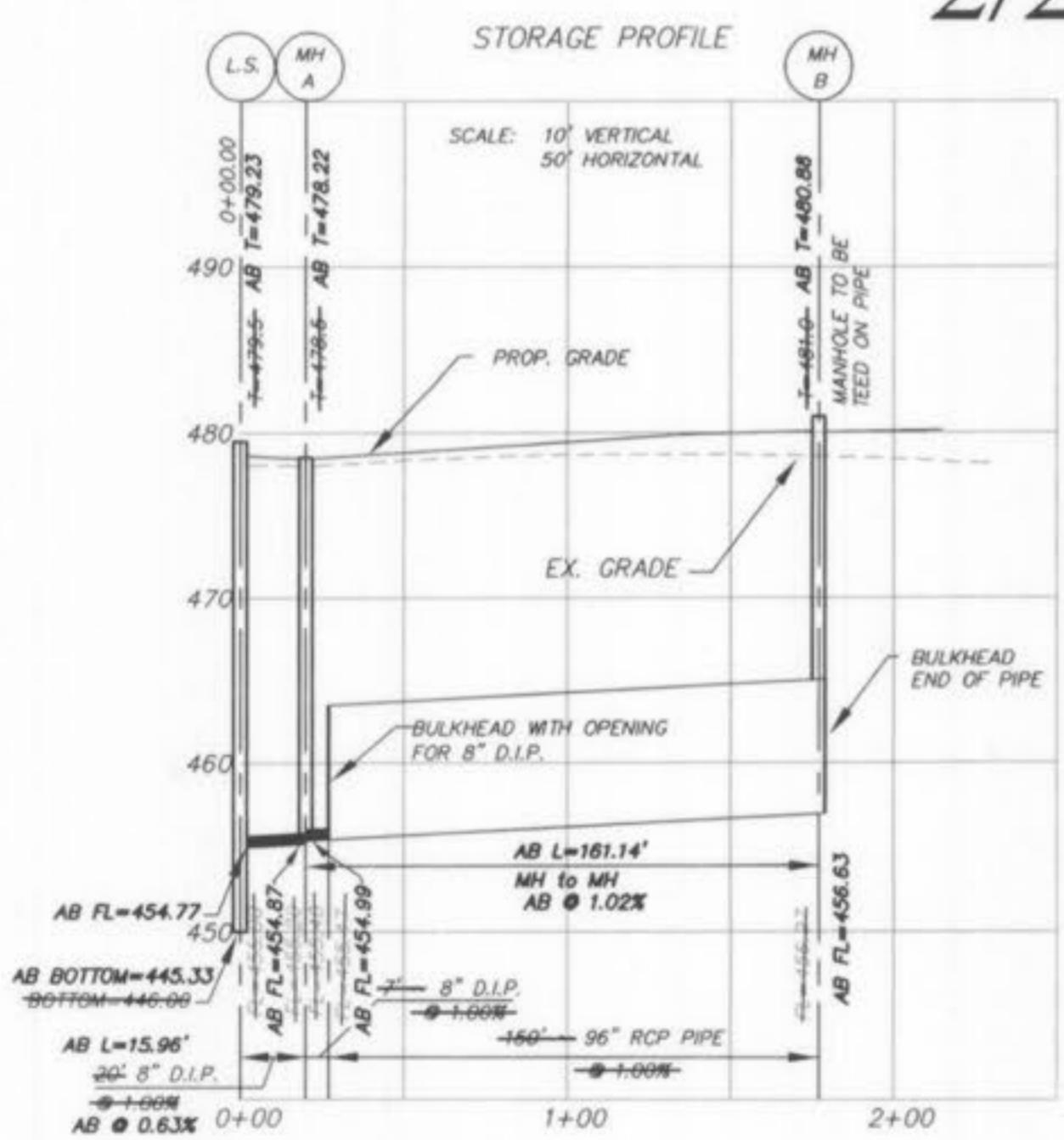
BROOKSIDE - LIFT STATION &
OFF-SITE FORCE MAIN
COVER SHEET
SHEET 1 OF 149
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St. Peters, MO 63376
Phone (636) 397-1104
Fax (636) 397-1104



AS-BUILTS

2/27/06



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PLANNERS
LAND SURVEYORS

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BROOKSIDE
VILLAGE A
LIFT STATION SITE PLAN
SUMMIT POINTE L.C.
Prepared For:
216 FOX HILL ROAD
ST. CHARLES, MO 63301
(636) 946-9300

| REVISIONS | |
|-----------|--|
| NO. | DATE |
| 1 | 2/21/04 ADDED FLOW FROM MAREN PROPERTY |
| 3 | 8/11/05 REV. PER CITY COMMENTS 7/26/05 |
| 6 | 9/19/05 REV. PER CITY COMMENTS 9/12/05 |
| BRS-007 | 8/26/05 REV. MARKERS PER CLIENT |
| | 1/17/07 REV. PER CITY COMMENTS 1/10/07 |

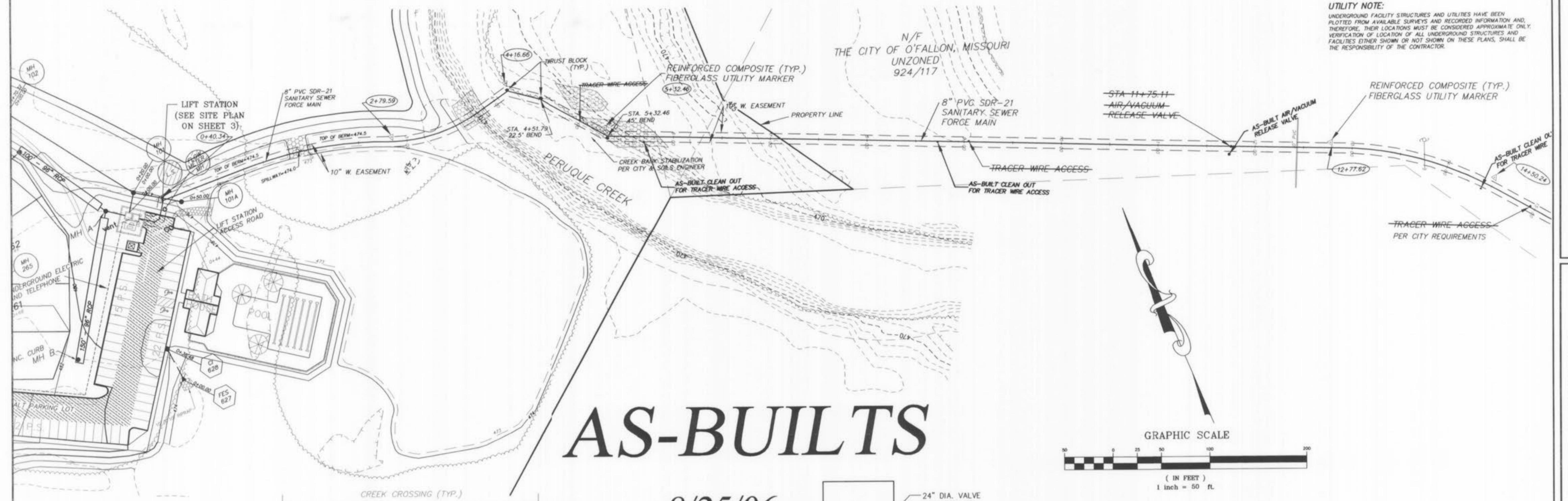
ENGINEERS AUTHENTICATION
The responsibility for professional engineering liability on this project is hereby limited to the set of plans and specifications attached hereto, and date hereunto attached. Responsibility is disclaimed for all other engineering plans involved in this project and specifically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

DRAWN CAD DATE FEB. 2005
CHECKED DWD DATE FEB. 2005
PROJECT # 03029.SUP0.01R
TASK # 002 FIELD BOOK 847

VILLAGE A
LIFT STATION SITE PLAN
SHEET 31A OF 149

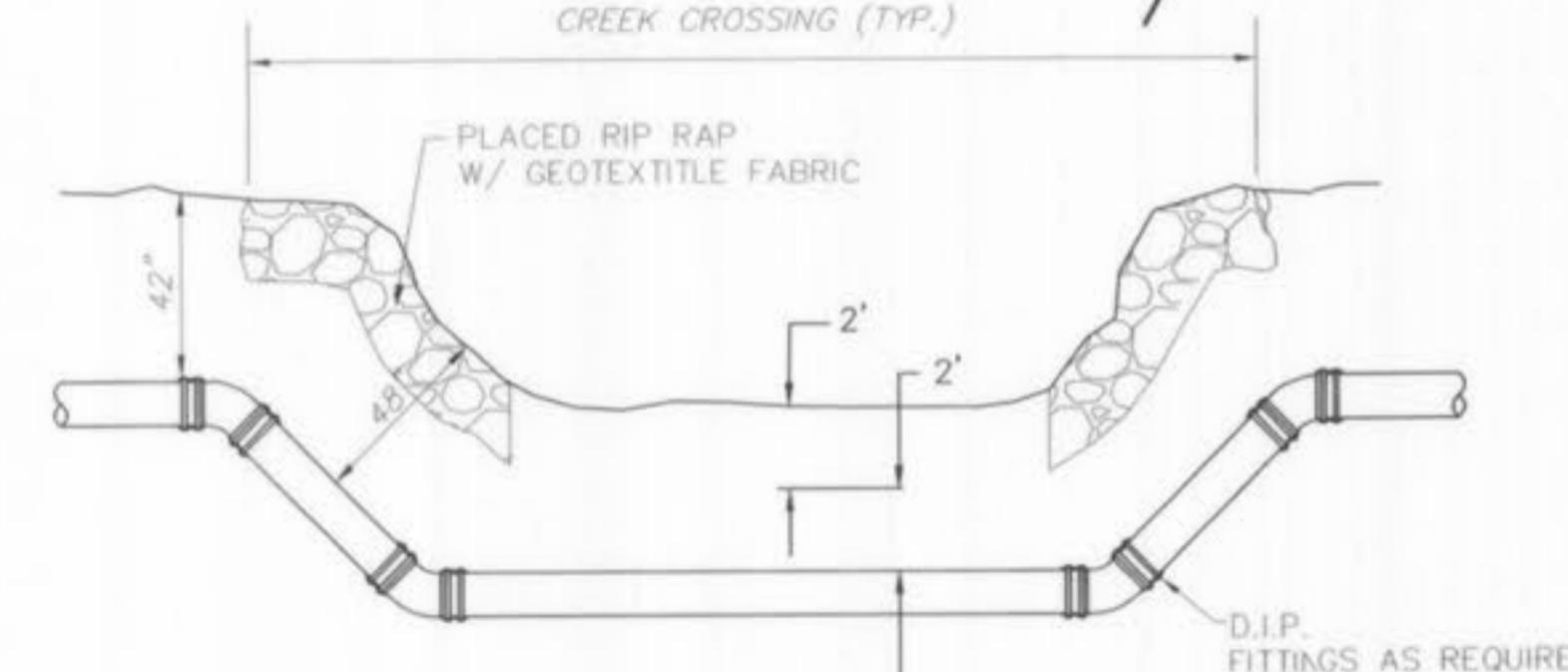
P & Z NO. 2603.01

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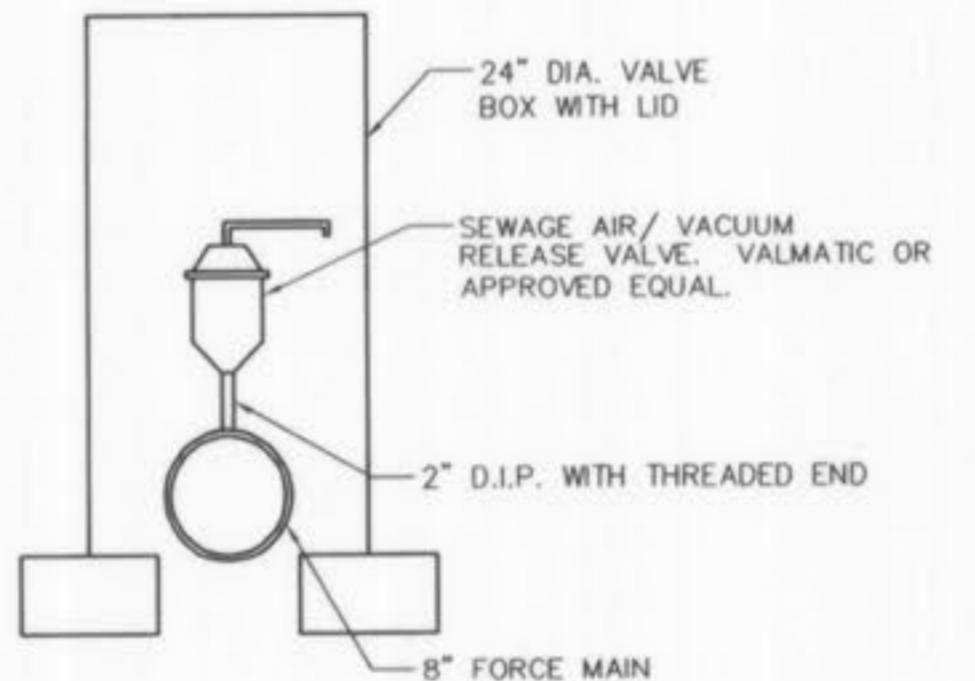
AS-BUILTS

8/25/06

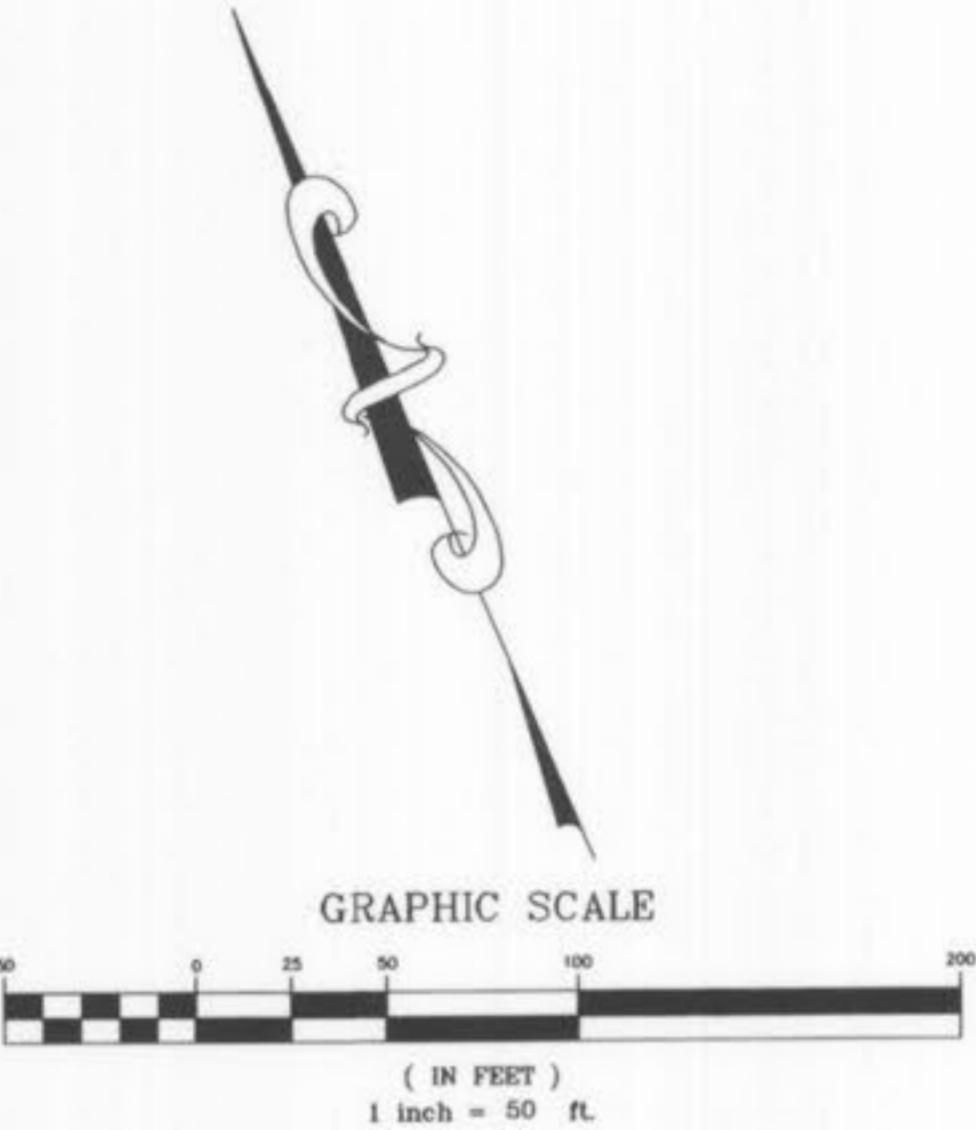


FORCE MAIN CREEK CROSSING DETAIL

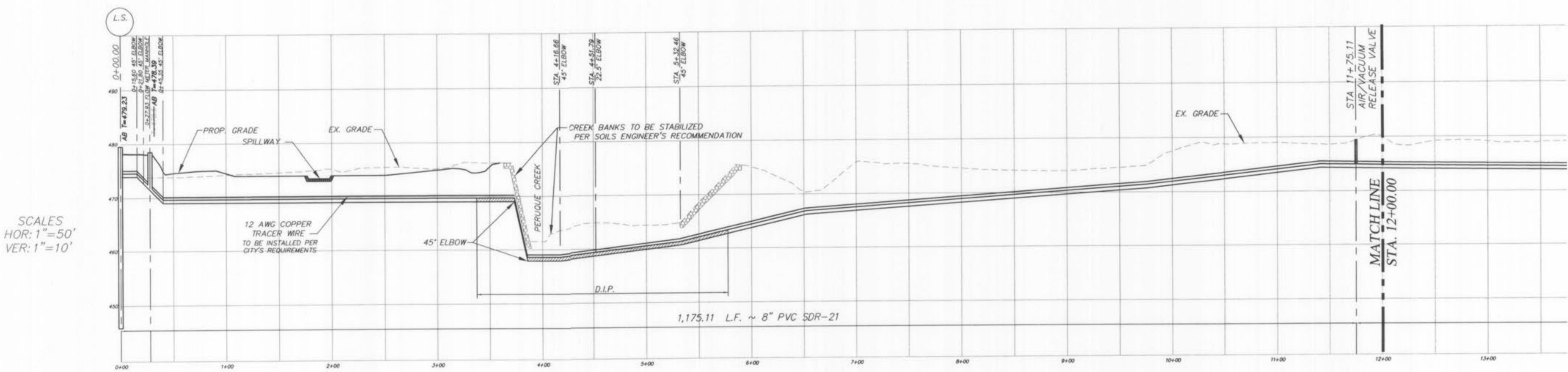
48" COVER AVERA



AIR/VACUUM RELEASE VALVE



NOTE: SANITARY SEWER FORCE MAIN AS CONSTRUCTED
TO BE CENTERED IN 10' W. EASEMENT



P & Z NO. 2603.01

Brookside Lift Station + Offsite Force Main

**CIVIL ENGINEERS
PLANNERS
LAND SURVEYORS**

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Fax (636) 397-1104

Prepared For:

SUMMIT POINTE L.C.

FORCE MAIN PLAN & PROFILE

VILLAGE II

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

| B | | | | 11/22/05 | REV. | OFF-SITE FORCE MAIN PER CLIENT | |
|-----------|---------|------|---------------------------|----------|------|--------------------------------|--|
| | | | | 12/22/05 | REV. | PER CITY COMMENTS | |
| BKS - 007 | 8/30/06 | REV. | MARKERS PER CLIENT | | | | |
| BKS - 007 | 9/05/06 | REV. | REPRAP PER CLIENT | | | | |
| | 1/17/07 | REV. | PER CITY COMMENTS 1/10/07 | | | | |

| | | |
|----------------|---------------|------------|
| | DATE | FEB., 2005 |
| | DATE | FEB., 2005 |
| 03029.SUP0.01R | | |
| 002 | FIELD BOOK | 847 |

VILLAGE A
TTE FORCE MAIN
N PLAN & PROFIL
2A OF 14

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.



A graphic scale bar consisting of a horizontal line with tick marks at 0, 25, 50, and 100. The segments between the tick marks are labeled "IN FEET". Below the scale, the text "1 inch = 50 ft" is written.

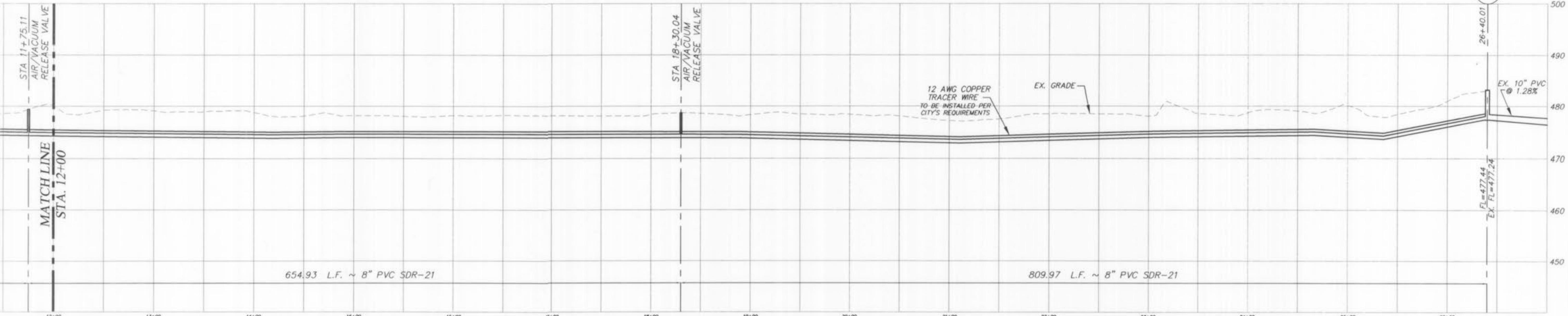
NOTE: SANITARY SEWER FORCE MAIN AS CONSTRUCTED
TO BE CENTERED IN 10' W. EASEMENT

N/F
THE CITY OF O'FALLON, MISSOURI
UNZONED
924/117

NOTE: SANITARY SEWER FORCE MAIN MARKED
TO CONSIST OF REINFORCED COMPOSITE FIBER-
GLASS - 60" TO 72" ABOVE GRADE.

AS-BUILTS

8/25/06



26+00

P & Z NO. 2603.01

VILLAGE A
OFF-SITE FORCE MAIN
FORCE MAIN PLAN & PROFILE
SET 33A OF 149
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CIVIL ENGINEERS
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ST. CHARLES, MO. 633
(636) 940-9300

Prepared For:
SUMMIT POINTE L.C.

DATE
FEB., 2005
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