- 1. All construction and materials shall meet the requirements of the City of O'Fallon, Missouri.
- Installation of the corrugated metal superspan shall be in accordance with the manufacturers recommendations.
- The soils engineer shall provide inspection reports to the City of O'Fallon and to the developer for footing subgrade and backfill compaction.
- 4. Reports of the results of all concrete tests shall be submitted to the City of O'Fallon and to the developer.
- 5. Backfill over corrugated metal superspan and to a minimum of 2 feet on each side of the structure shall be crushed limestone meeting the following

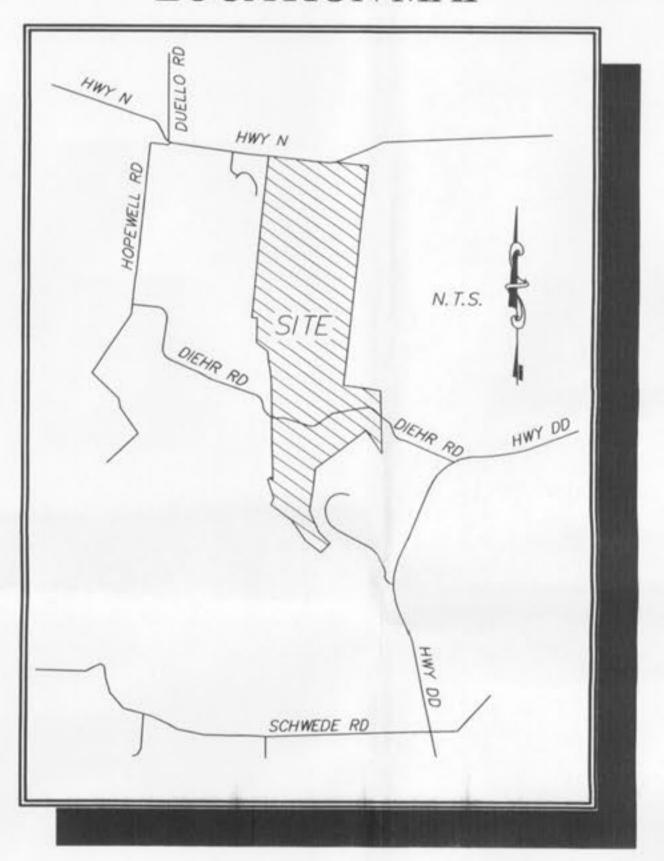
Sleve size	Percent passin
No. 10	50% max
No. 40	30% max
No. 200	15% max

- The plasticity index of the fraction passing No. 40 sleve shall be no greater than 6. The maximum particle size shall not exceed 3 inches. On site mixing or blending to achieve specified gradation is not allowed.
- 6. Form liners will be used on all exposed sides of the concrete headwalls to provide a stone masonry finish. Form liners shall extend a minimum of 1 foot below finish grade.
- 7. Provide 3/4" chamfer on all exposed wall edges.
- 8. Seal concrete with commercial sealer/waterproofing compound after form removal. Every effort shall be made to provide uniform color and finish to the visible sections of the walls.
- 9. Minimum concrete cover on all steel shall be 2 inches except on bottom of footing where minimum cover shall be 3 inches.
- 10. Design Unit Stresses: Class B-1 concrete, f'c=4,000 psi. Reinforcing Steel (GRADE 60), fy=60,000 psi.
- 11. All dimensions shown are in inches unless otherwise noted.
- 12. Lap all longitudinal bars a minimum of 23" at splices.
- 13. Preformed fiber expansion joint material shall be securely stitched to one face of the concrete with No. 10 gage copper wire of No. 12 gage soft drawn galvanized steel wire.
- 14. A filter cloth 2 feet in width and double thickness shall be applied to all expansion joints. The filter cloth shall be geotextile meeting the approval of the engineer and having a grab tensile strength of 180 lbs (ASTM D-4632) and and apparent opening size of 50 to 100 (ASTM-D4751).

WYNDGATE HEADWALL DETAILS

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



DRAWING INDEX

Sheet	Description		
1	COVER SHEET		
2-3	HEADWALL DETAILS		

PROJECT BENCH MARK

U.S.G.S BENCH MARK

At Dordenne 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 "TT" 60C 1936 616".

Elev. 616.50

LEGEND

S.A.S. Sinkhole Access Structure

		шичи	
	Sanitary Sewer (Proposed)	(M.A)	Sanitary SI
-0-	Sanitary Sewer (Existing)	(GA)	Storm Struc
	-Storm Sewer (Proposed)	•	Test Hole
	=Storm Sewer (Existing)	B	Power Pole
—8°∗—	Water Line & Size	\$LP	Light Stando
—ε× w−	Existing water line	00	Double Wate
-W-	Tee & Valve		Single Water
ж	Hydrant	C.1.	Curb Inl
E	Сар	S.C.I.	Skewed
18	Lot or Building Number	D.C.1	Double (
-x-	Existing Fence Line	G.1.	Grate In
مرسعرسه	Existing Tree Line	A.I.	Area Inli
8 8	Street Sign	D.A.I.	Double /
	Existing Contour	C.C.	Concrete
~	Proposed Contour	F.E.S.	Flared E
#Shirt	Rip-Rap	E.P.	End Pipe
-	End of Lateral	E.D.	Energy L

Asphalt Pavement

Concrete Pavement

→ Proposed Swale

			Te	and Tasker
(M.A)	Sanitary Structure	R.C.P.	Reinforced Concrete Pipe	
(CA)	Storm Structure	C.M.P.	Corrugated Metal Pipe	
•	Test Hole	C.I.P.	Cast Iron Pipe	
B	Power Pole	P.V.C.	Polyvinyl Chloride	
\$P	Light Standard	V.C.P.	Vitrified Clay Pipe	
60	Double Water Meter Setting			
	Single Water Meter Setting	C.O.	Clean Out	
C.1.	Curb Inlet	V.T.	Vent Trap	
S.C.I.	Skewed Curb Inlet	T.B.R.	To Be Removed	
D.C.1	Double Curb Inlet	T.B.R.&R	R To Be Removed & Relocated	
G.1.	Grate Inlet	T.B.P.	To Be Protected	
A.I.	Area Inlet	T.B.A.	To Be Abandoned	
D.A.I.	Double Area inlet	B.C.	Base Of Curb	
C.C.	Concrete Collar	T.C.	Top Of Curb	
F.E.S.	Flored End Section	T. W.	Top Of Wall	
E.P.	End Pipe	B.W.	Base Of Wall	
E.D.	Energy Dissipater	(TYP)	Typical	RECEIVES
M.H.	Manhole	U.N.O.	Unless Noted Otherwise	
C.P.	Concrete Pipe	U.I.P.	Use in Place	

SILVE

Prepa SUN

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 DATE MAK 02/01/0 CHECKED DATE EAK PROJECT # 01267.SUPO.02R TASK # 3 FIELD BOOK

WYNDGATE - PHASE 1 COVER SHEET

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MoDOT LOCATOR: 314-340-4100