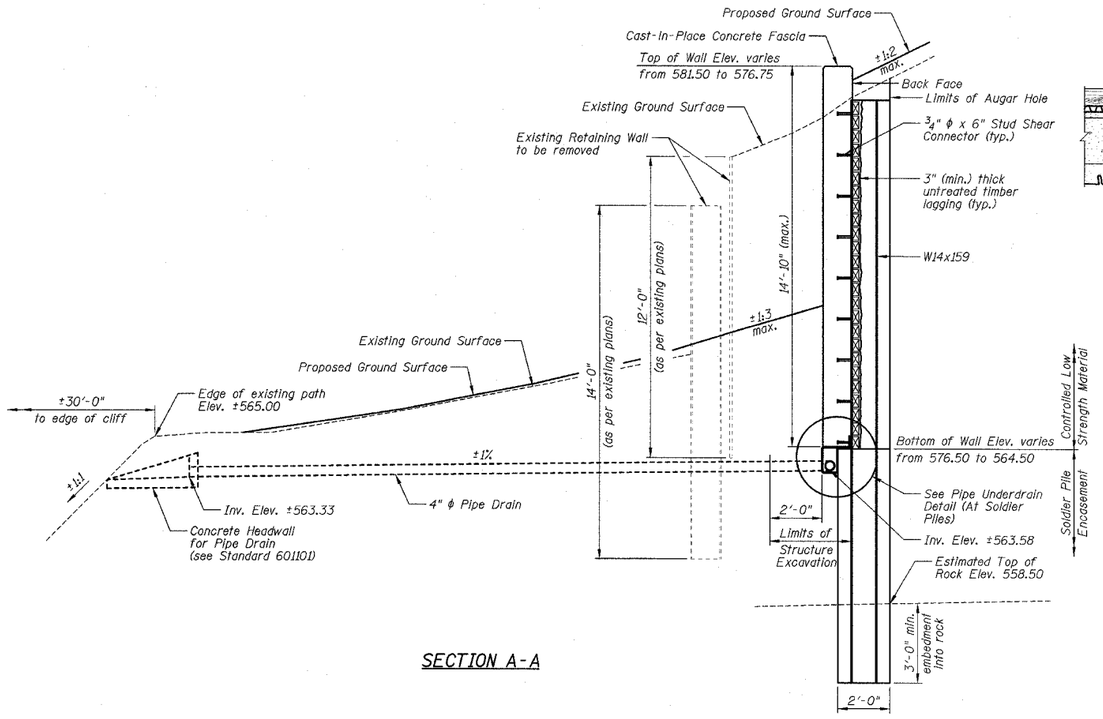
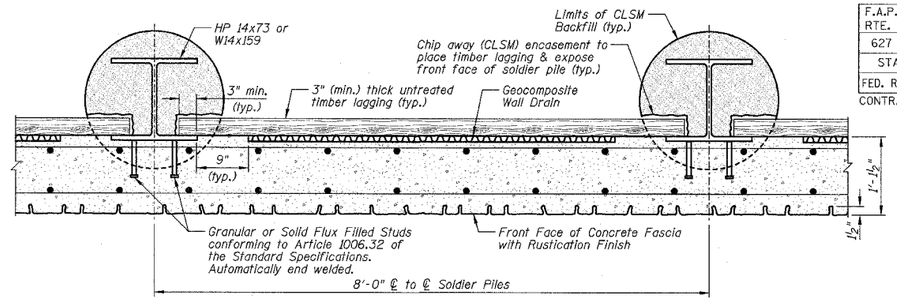
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
627	(1-1)I-1	LA SALLE	60	42
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 66550

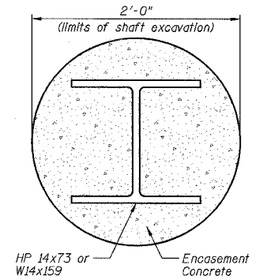
SHEET NO. E2 OF 9 SHEETS



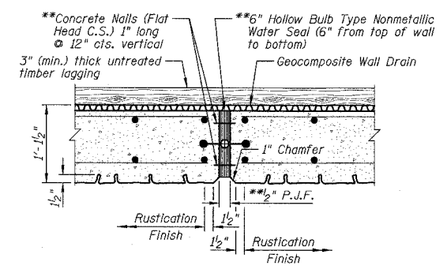
SECTION A-A



SECTION B-B

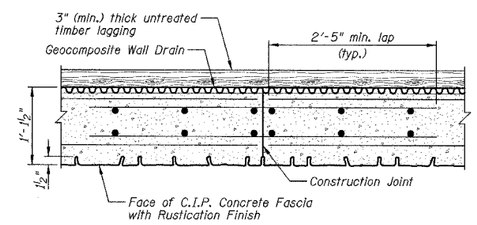


SECTION C-C



EXPANSION JOINT DETAIL

Notes: 1.) **Cost Included with "Concrete Structures".
2.) P.J.F. exaggerated for clarity.



CONSTRUCTION JOINT DETAIL

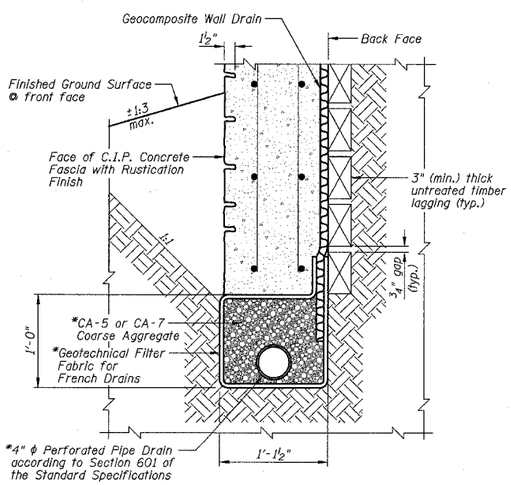
GENERAL NOTES:

1.) Reinforcement bars shall conform to the requirements of AASHTO M31 or M322 Grade 60.
2.) See Sheets E5 thru E7 for soil boring and rock core data.
3.) All exposed edges shall be chamfered 3/4" except as noted.
4.) The Contractor is responsible for the design and performance of the Untreated Timber Lagging using no less than a 3" nominal rough-sawn thickness and timber with a minimum fb of 1000 psi. The design shall be approved by the Engineer.
5.) Stud Shear Connectors shall be 3/4" ϕ x 6" granular or solid flux filled headed studs automatically end welded to the front flange in field.
6.) For information on the Drilled Soldier Pile Retaining Wall, see Special Provision "Drilled Soldier Pile Retaining Wall".
7.) All construction joints shall be bonded.
8.) See Sheet E4 for the limits of "Rustication Finish". See Special Provision "Rustication Finish" for additional information.
9.) All Cast-in-Place concrete shall be integrally colored. See the Special Provision "Colored Concrete - Cast-in-Place" for additional information.
10.) For backfilling of the retaining wall, see the Standard Specifications.
11.) See Roadway Plans for 4" ϕ Pipe Drain and Concrete Headwall for Pipe Drain quantities.
12.) C.I.P. denotes Cast-in-Place.
13.) The existing plans are provided for informational use only.
14.) Length of existing structure removal may be varied in the field as directed by the Engineer.

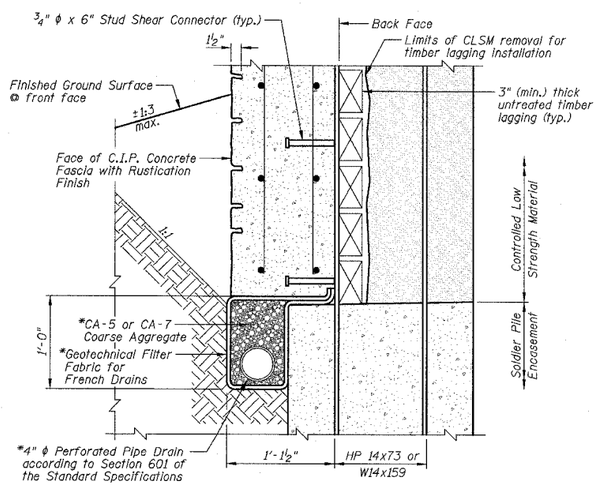
STATION 403+94.31 TO STATION 405+31.53
BUILT 200_ BY
STATE OF ILLINOIS
F.A.P. RTE. 627 SECTION (1-1)I-1
F.A. PROJECT:
STR. NO. 050-W002

NAME PLATE DETAIL

See Standard 515001



BETWEEN SOLDIER PILES



AT SOLDIER PILES

PIPE UNDERDRAIN DETAIL

*Cost Included with "Pipe Underdrains for Structures".

TOTAL WALL BILL OF MATERIALS

ITEMS	UNITS	TOTAL
Removal of Existing Structures No. 2	Each	1
Structure Excavation	Cu Yd	196
Concrete Structures	Cu Yd	52.5
Rustication Finish	Sq Ft	1235
Stud Shear Connectors	Each	220
Untreated Timber Lagging	Sq Ft	968
Furnishing Soldier Piles (HP 14x73)	Foot	280
Furnishing Soldier Piles (W14x159)	Foot	132
Reinforcement Bars, Epoxy Coated	Pound	6980
Name Plates	Each	1
Geocomposite Wall Drain	Sq Yd	77
Pipe Underdrains for Structures 4"	Foot	149
Drilling and Setting Soldier Piles (In Rock)	Cu Ft	170
Drilling and Setting Soldier Piles (In Soil)	Cu Ft	1191

NOTES:

1.) Work this sheet with Sheets E1, E3 and E4.
2.) For location of Sections A-A, B-B and C-C see Sheet E1.

GENERAL NOTES, BILL OF MATERIALS, SECTIONS AND DETAILS

IL ROUTE 71
SOLDIER PILE RETAINING WALL
F.A.P. ROUTE 627 - SEC. (1-1)I-1
LA SALLE COUNTY
STATION 403+94.31 TO STATION 405+31.53
STRUCTURE NO. 050-W002

DESIGNED BY	FILE NO.
J.M.L.	24-6772
DRAWN BY D.J.M.	DATE 03-24-05
CHECKED BY M.S.W.	SHEET NO. 42 OF 60

Farnsworth GROUP
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Bloomington, Illinois 61704
309/663-8435 309/663-1971 fax