

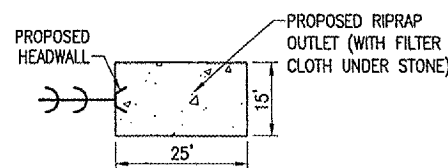
PROPOSED INLET ADJUSTMENT DETAIL
"NOT TO SCALE"

RIPRAP NOTES

THE PROPOSED RIPRAP WILL BE PLACED TO THE DIMENSIONS AS SHOWN ON THIS SHEET AND IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE PROPOSED RIPRAP WILL BE SIZE RR-4 AND WILL BE CONSIDERED PART OF THE HEADWALL INSTALLATION.

THE BED OF THE RIPRAP WILL BE 12" IN DEPTH AND SHALL BE TRIMMED AND SHAPED TO CONFORM WITH THE FINISHED GRADES.

INSTALLATION OF FILTER FABRIC WILL BE REQUIRED UNDER THE RIPRAP. THE FILTER FABRIC MATERIAL WILL BE INCLUDED AS PART OF THE HEADWALL INSTALLATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



RIPRAP DETAIL
"NOT TO SCALE"

- LEGEND**
- EXISTING IMPROVEMENTS
 - PROPOSED IMPROVEMENTS
 - EXISTING BUILDINGS
 - PROPOSED BUILDINGS
 - EXISTING FENCE
 - EXISTING R.C.C.P.
 - PROPOSED R.C.C.P.
 - EXISTING UNDERDRAIN
 - EXISTING DRAINAGE DITCH
 - PROPOSED DRAINAGE DITCH
 - EXISTING HEADWALL
 - PROPOSED HEADWALL
 - EXISTING END SECTION
 - EXISTING INLET
 - EXISTING INSPECTION HOLE
 - EXISTING ELECTRICAL CABLE
 - EXISTING ELECTRICAL DUCT
 - EXISTING BASE MOUNTED TAXIWAY LIGHT
 - EXISTING STAKE MOUNTED TAXIWAY LIGHT
 - EXISTING ELEVATED TAXIWAY REFLECTOR
 - EXISTING PARKING LOT LIGHT
 - EXISTING DISTRIBUTION PANEL
 - EXISTING ELECTRICAL TRANSFORMER
 - EXISTING ELECTRICAL MANHOLE

NOTES

THE EXISTING INLET NO. 1 & 2 WILL BE ADJUSTED AS SHOWN ON THE DETAIL ON THIS SHEET AND IN ACCORDANCE TO THE SPECIAL PROVISIONS.

THE EXISTING GRATE WILL BE REMOVED AND STORED UNTIL THE PROPOSED FRAME AND CONCRETE ADJUSTMENT IS INSTALLED. UPON COMPLETION OF THE CONCRETE CURE TIME THE GRATE WILL BE REPLACED UPON THE COMPLETED INLET ADJUSTMENT.

THE PROPOSED INLET ADJUSTMENT WILL BE PAID FOR UNDER THE FOLLOWING:
AR751940 "ADJUST INLET" _____ 2 EACH.

INLET ADJUSTMENT TABLE		
INLET NO.	EXISTING TOP ELEVATION	PROPOSED TOP ELEVATION
1	536.23	537.00
2	536.26	537.00

RCC PIPE NOTES

ITEM 701-2.5 ADD THE FOLLOWING:

BITUMINOUS MASTIC COMPOUND IS PERMITTED FOR USE ON THE PIPE INSTALLATION AND WILL MEET THE FOLLOWING SPECIFICATIONS:

MASTIC JOINT SEALER FOR PIPE. COLD-APPLIED BITUMINOUS SEALER FOR CULVERT AND SEWER PIPE JOINTS SHALL BE A BITUMINOUS MATERIAL OF SUCH CONSISTENCY THAT IT CAN BE APPLIED TO THE JOINTS VIA TROWEL WHEN THE TEMPERATURE OF THE AIR IS BETWEEN 20° AND 100°F. THE BITUMINOUS MATERIAL SHALL ADHERE TO THE CONCRETE SO AS TO MAKE A WATER-TIGHT SEAL AND SHALL NOT FLOW, CRACK OR BECOME BRITTLE WHEN EXPOSED TO THE ATMOSPHERE.

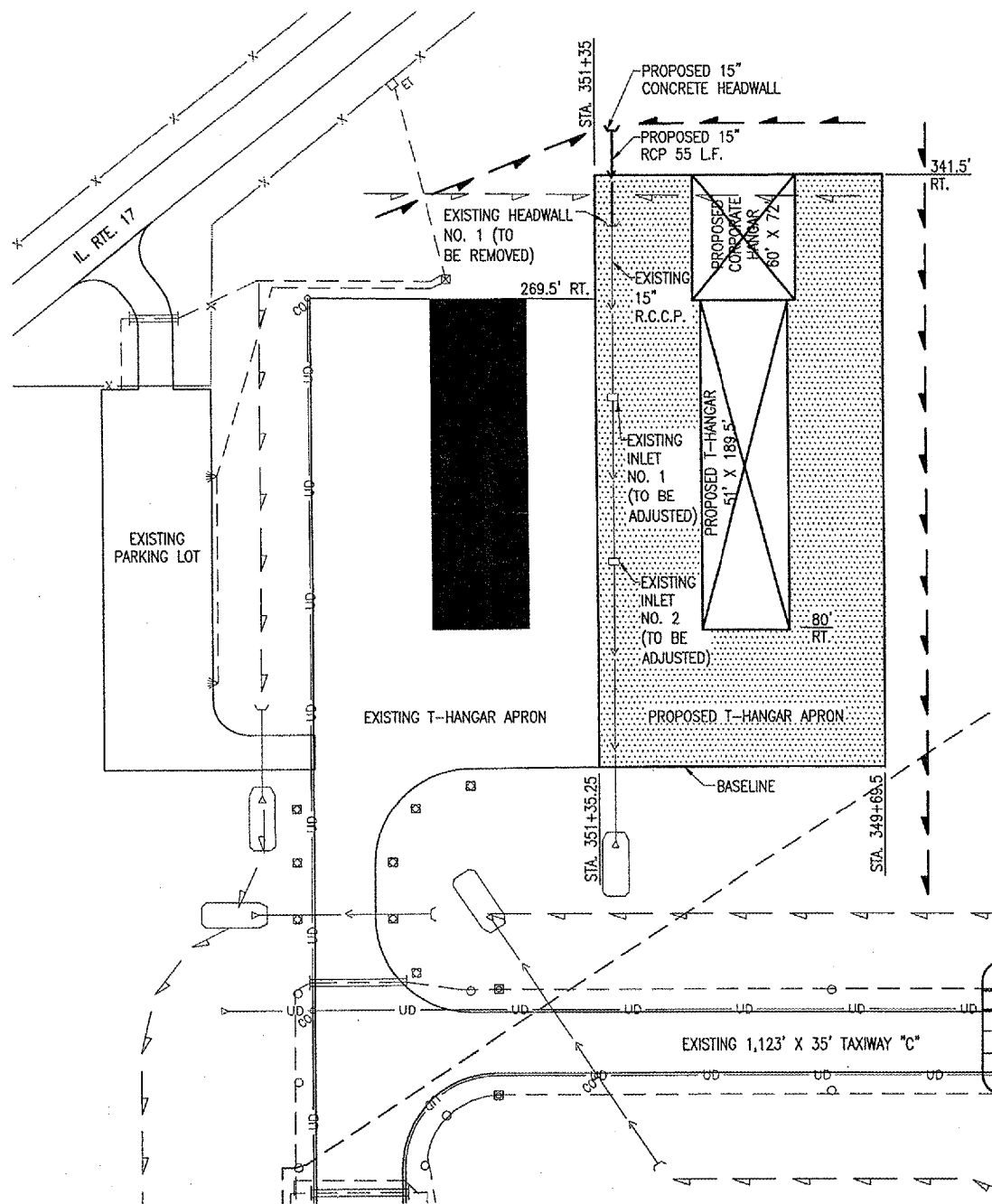
THE BITUMINOUS SEALER SHALL MEET THE FOLLOWING SPECIFIC REQUIREMENTS:

PENETRATION, 77F, 150G., 5 SEC., WITH CONE	175-300
LOSS O HEATING, 325°F, 5 HR., 50 G., PERCENT	20 MAX.
INORGANIC CONTENT (COMPLETE BURN 1200° TO 1400°F) PERCENT	15-20
FLOW AT 140°F, CENTIMETERS	0
PLIABLE AT 0°F	YES

THE BITUMINOUS SEALER SHALL BE DELIVERED TO THE PROJECT IN SUITABLE CONTAINERS FOR HANDLING AND SHALL BE SEALED OR OTHERWISE PROTECTED FROM CONTAMINATION. THE CONTAINER SHALL SHOW THE BRAND NAME, NET VOLUME, OR WEIGHT AND THE REQUIREMENTS FOR APPLICATION."

ITEM 701-3.7 ADD THE FOLLOWING

THE CONTRACTOR MAY USE THE IDOT CA-7 DESCRIBED UNDER SECTION 701-3.3 TO BACKFILL THE PIPE FROM BEDDING TO EARTH SUBGRADE ELEVATION. THE CONTRACTOR WILL BE REQUIRED TO MAKE A MINIMUM OF THREE PASSES WITH VIBRATORY EQUIPMENT TO ENSURE CONSOLIDATION OF THE BACKFILL MATERIAL TO THE SATISFACTION OF THE RESIDENT ENGINEER. IF CA-7 IS USED, THERE WILL BE NO REQUIREMENT FOR COMPACTION ACCEPTANCE TESTING.



THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

CALL J.U.L.I.E. FOR UTILITY INFORMATION AT 1-800-892-0123.

HEADWALL TABLE				
HEADWALL NO.	EXISTING FLOWLINE	EXISTING STA./OFFSET	PROPOSED FLOWLINE	PROPOSED STA./OFFSET
1	534.53	151+25.86/311.60' RT.	534.67	151+25.86/366.60' RT.

DRAINAGE QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
AR701515	15" RCP, CLASS IV	L.F.	63
AR751940	ADJUST INLET	EACH	2
AR752615	CONCRETE HEADWALL 15"	EACH	1
AR752903	REMOVE HEADWALL	EACH	1

0' 25' 50' 100'
HALF SIZE SCALE: 1" = 100'
FULL SIZE SCALE: 1" = 50'

BY _____

REVISION _____

DATE _____

**MARSHALL COUNTY AIRPORT
LACON, ILLINOIS**

IL PROJ.: C75-3542 A.I.P. PROJ.: 3-17-0059-BB

Project No. 811-06THGD 0800
 Plans No. R-131DRN.DWG
 Scale 1" = 50'
 Date 10/17/05

LAYOUT	BAK.	10/17/05
DRAWN	BAK.	10/17/05
REVIEWED	CAH.	xx/xx/xx

HANSON
 Hanson Professional Services Inc.
 1000 S. State Street
 Springfield, Illinois 62708-2888
 Offices Nationwide

**PROPOSED T-HANGAR
ACCESS TAXIWAY**

**PROPOSED
DRAINAGE
PLAN**

8 of 20 sheets