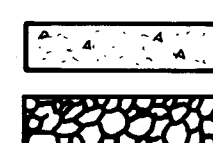


- L E G E N D -

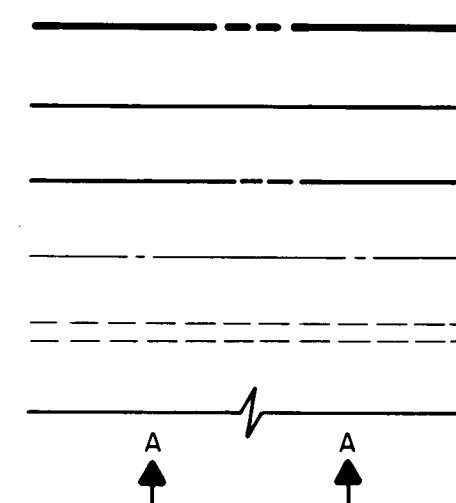
MATERIALS

CONCRETE
RIP-RAP



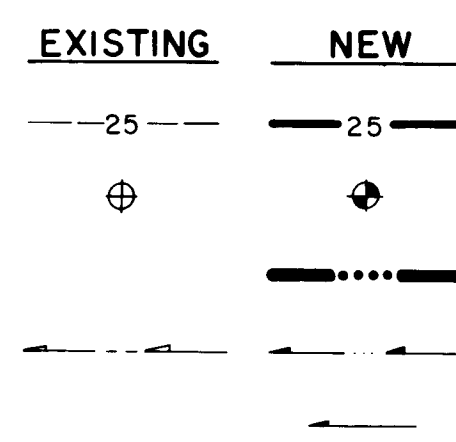
LINES

RIGHT-OF-WAY
PROPERTY LINE (PLAN)
RIGHT-OF-WAY (SECTION)
CENTERLINE
EASEMENT LINE
MATCH LINE
SECTION CUT LINE



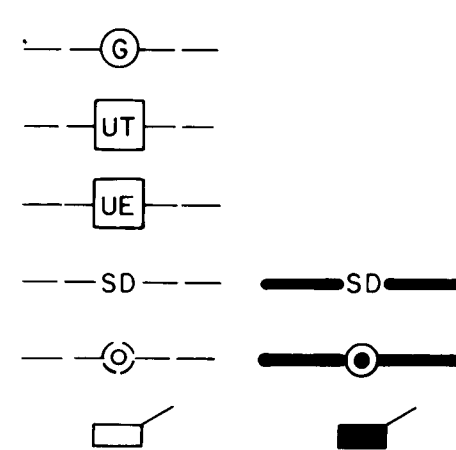
EARTHWORK

CONTOUR LINE
SPOT ELEVATION
PROJECT/ PHASE BOUNDARY
SWALE
DIRECTION OF FLOW



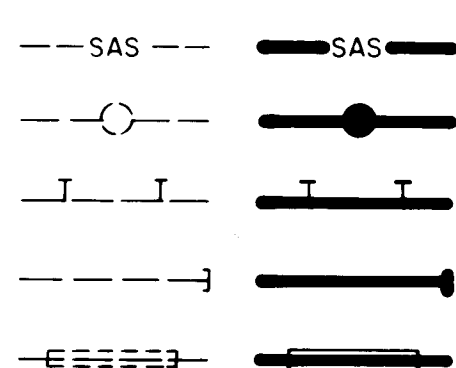
MISCELLANEOUS UTILITIES

GAS LINE
UNDERGROUND TELEPHONE
UNDERGROUND ELECTRICAL
STORM DRAIN
STORM DRAIN MANHOLE
STORM DRAIN INLET



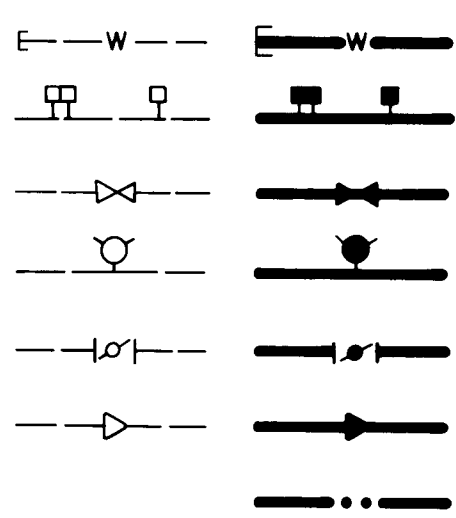
SANITARY SEWER

SANITARY SEWER LINE
SANITARY SEWER MANHOLE
SAS SERVICE CONNECTIONS
SAS CAP OR PLUG
ENCASEMENT



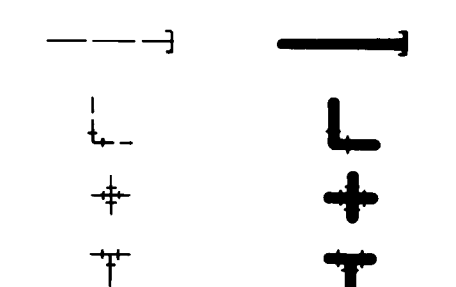
WATER

WATER LINE WITH CAP
WATER SERVICE CONNECTIONS
GATE VALVE
FIRE HYDRANT
BUTTERFLY VALVE
REDUCER
WATER PRESSURE ZONE BOUNDARY



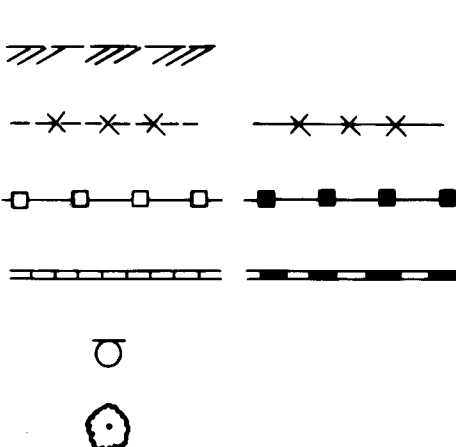
WATER FITTINGS

CAPS AND PLUGS
ELBOW
CROSS
TEE



MISCELLANEOUS

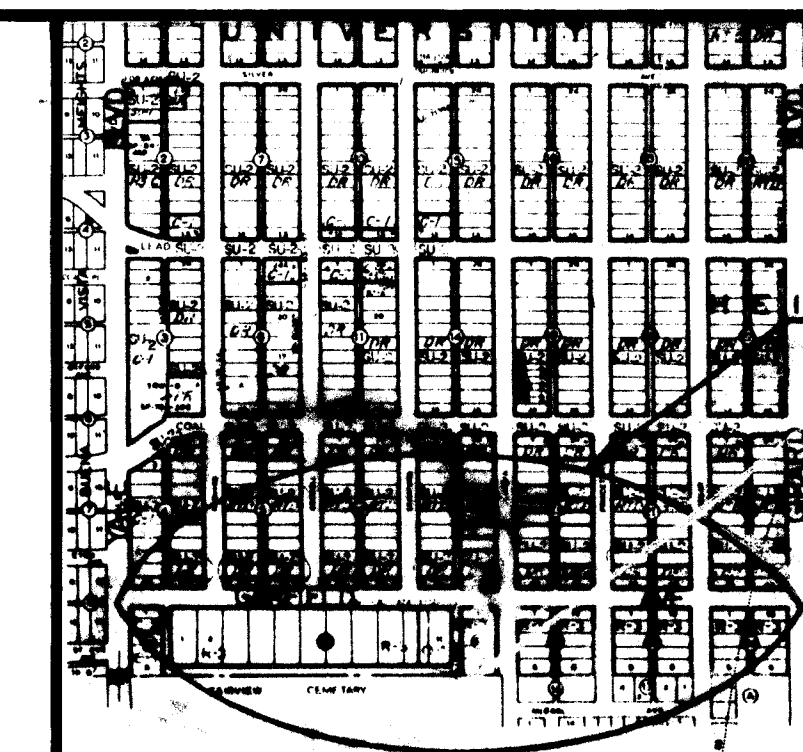
EDGE OF ASPHALT
FIELD FENCE/CHAINLINK FENCE
COMMON YARD WALL/BLOCK WALL
RETAINING WALL
POWER OR TELEPHONE POLE
TREE



GARFIELD AVE. SANITARY SEWER REPLACEMENT YALE BLVD. TO PRINCETON DR.

INDEX OF DRAWINGS

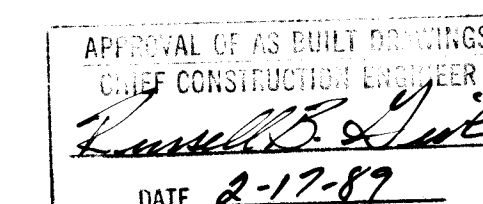
SHEET NO.	TITLE
1.	TITLE, LEGEND, VICINITY MAP, GENERAL NOTES, INDEX OF DRAWINGS
2.	DETAILS & SECTIONS, SPECIAL NOTES, CONSTRUCTION TRAFFIC CONTROL
3.	PLAN & PROFILE GARFIELD AVE. - STA. 10+00 TO STA. 28+60
4.	PLAN & PROFILE PRINCETON DR. - STA. 5+35 TO STA. 11+50



SCALE: 1" = 800' LOCATION MAP MAP NO. K-16

GENERAL NOTES:

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS - PUBLIC WORKS CONSTRUCTION - 1988.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
- SHOULD A CONFLICT EXIST BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY FOR ALL PARTIES.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- THE CONTRACTOR MUST SUBMIT A CONSTRUCTION SIGNING AND BARRICADING PLAN TO TRAFFIC ENGINEERING TO RECEIVE A BARRICADING PERMIT 48 HOURS PRIOR TO CONSTRUCTION.
- ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
- SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- IF CURB IS DEPRESSED FOR A DRIVEPAD OR A HANDICAP RAMP, THE DRIVEPAD OR RAMP SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF THE CURB AND GUTTER.
- ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- All stationing shall be based on survey baseline.
- Painting for traffic striping shall be conducted by owner.



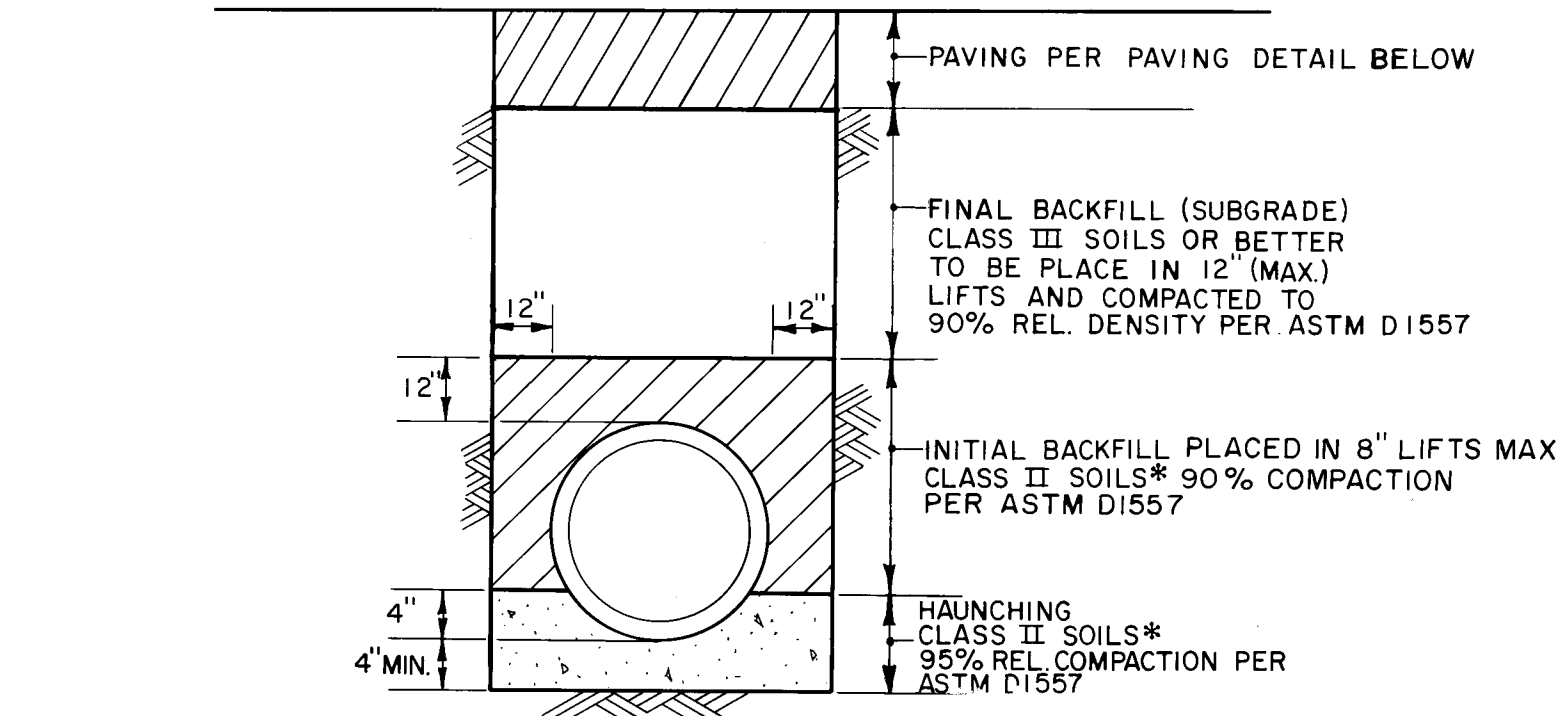
26 32900189

REV.	SHEETS	CITY ENGINEER	DATE	USER	DEPT.	DATE	USER	DEPT.	DATE
APPROVAL OF REVISIONS									

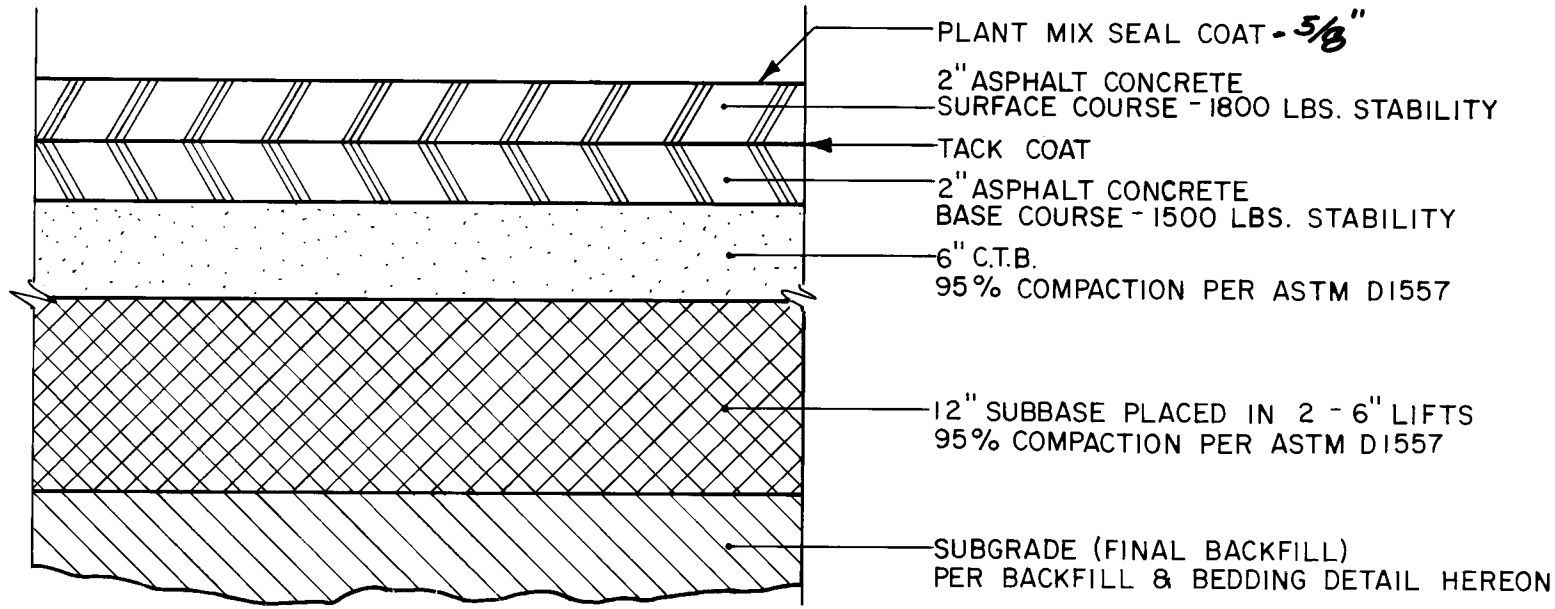
	CITY OF ALBUQUERQUE		APPROVED FOR CONSTRUCTION	
	DRAWING NO. 3290		SHEET 1 OF 4	

SANITARY SEWER REPLACEMENT NOTES:

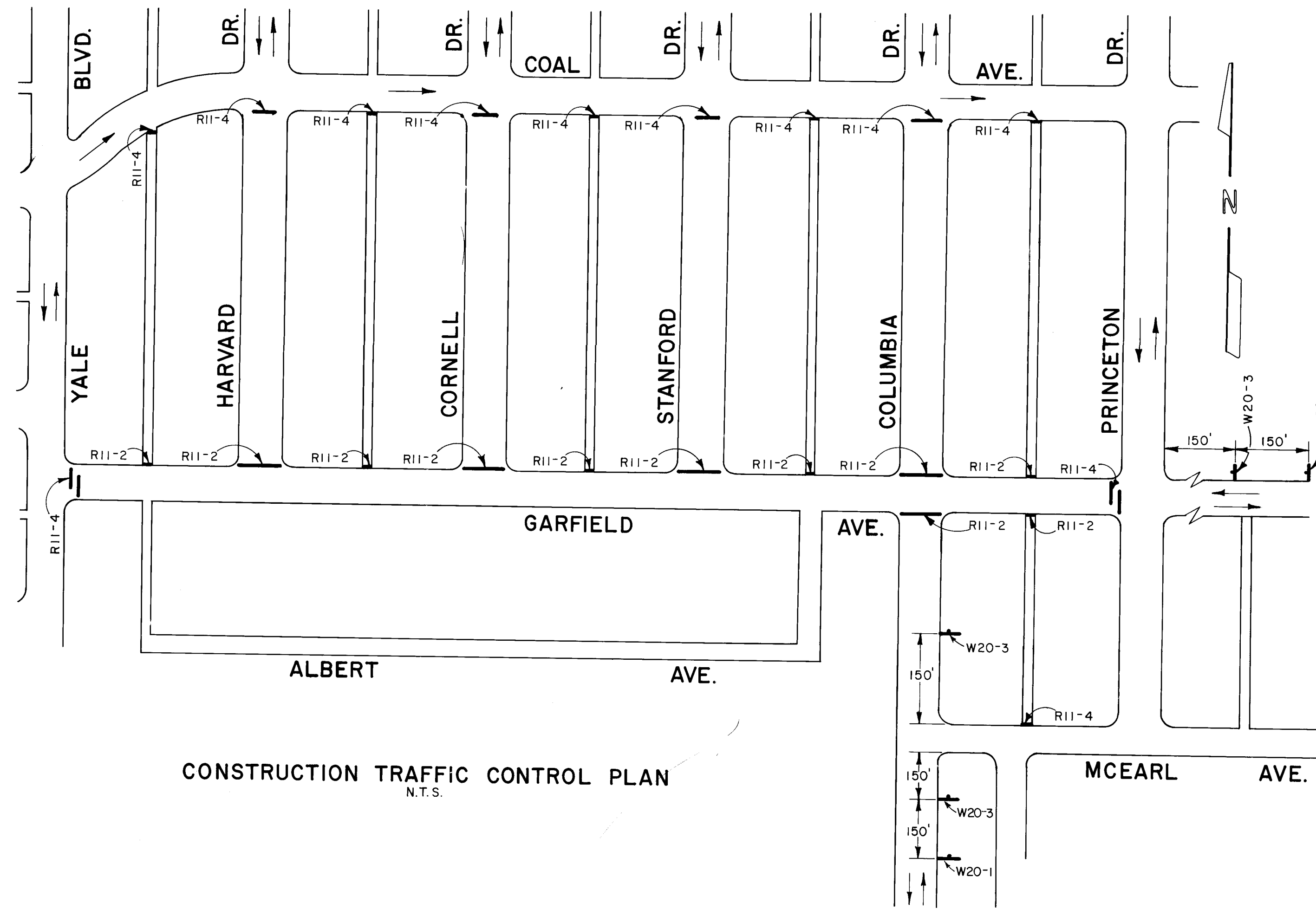
1. ALL PVC PIPES SPECIFIED IN THESE DRAWINGS SHALL MEET THE REQUIREMENTS OF ASTM D3034 AND BE IN CONFORMANCE WITH SECTION 121 OF THE STANDARD SPECIFICATIONS.
2. EXCEPT UNLESS OTHERWISE SPECIFIED, ALL SANITARY SEWER MANHOLES SHALL BE 4 FEET DIAMETER TYPE "E" PER STANDARD DRAWING 2102.
3. THE CONTRACTOR SHALL FOLLOW GUIDELINES IN REFERENCE TO UNI-B-5 AND UNI-B-9 FOR PIPE LAYING AND JOINING PER STD. SECTION 901.5.2 AND 901.6.
4. ELECTRONIC MARKER DISKS (EMD'S) SHALL BE INSTALLED AS PER SECTION 170 OF THE STANDARD SPECIFICATIONS.
5. ALL SERVICE LINE LATERALS SHALL BE SERVICE WEIGHT CAST IRON SOIL PIPE.
6. THE CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 905.3 OF THE STANDARD SPECIFICATIONS FOR PRE-APPROVED SADDLES & SERVICE RISERS.
7. THE CONTRACTOR SHALL COMPLY WITH SECTION 701.4 OF THE STANDARD SPECIFICATIONS IN ASSISTING THE ENGINEER IN THE NOTIFICATION OF PROPERTY OWNERS OF FORTHCOMING CONSTRUCTION.
8. THE CONTRACTOR SHALL OBSERVE TRENCH SAFETY REQUIREMENTS IN ACCORDANCE WITH OSHA PUBLICATIONS.
9. FOR REMOVAL OF EXISTING PAVEMENT, SIDEWALK AND DRIVEWAY, CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 701.8 OF THE STANDARD SPECIFICATIONS.
10. THE CONTRACTOR'S ATTENTION IS DIRECTED TO TABLE 701.17.8.2 OF THE STANDARD SPECIFICATIONS IN REGARDS TO ALLOWABLE MAXIMUM PAVEMENT CUT WIDTHS.
11. CONTRACTORS SHALL REFER TO TABLE 701.3.5 OF THE STANDARD SPECIFICATIONS FOR CLASSIFICATIONS OF EMBEDMENT MATERIAL.
12. EXISTING FOUNDATION MATERIAL SHALL BE USED. HOWEVER, WHEN UNSTABLE CONDITIONS ARE ENCOUNTERED, CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY. THE ENGINEER SHALL PROVIDE DIRECTION TO CONTRACTOR REGARDING STABILIZATION PRIOR TO LAYING PIPE.
13. IN SITU MATERIAL SHALL BE USED FOR EMBEDMENT WHEREVER POSSIBLE AND IN COMPLIANCE WITH THE STANDARD SPECIFICATIONS. HOWEVER, UNDER NO CIRCUMSTANCES SHALL CLASS IV OR V SOILS BE UTILIZED. CONTRACTOR SHALL BRING IN SUITABLE BORROWED MATERIAL AND DISPOSE OF UNSUITABLE MATERIAL AT THE DIRECTION OF THE FIELD ENGINEER.
14. THE CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 805.6 OF THE STANDARD SPECIFICATIONS IN REGARDS TO SERVICE RECONNECTIONS.
15. ALL EXISTING SERVICES TO THE 18" RCP LINE SHALL BE RECONNECTED TO THE NEW MAIN WITH NEW SADDLES. COST FOR THIS WORK SHALL BE PAID FOR IN THE UNIT PRICE PER EACH SERVICE RECONNECTION. SERVICES PRESENTLY CONNECTED TO THE EXISTING 12" VCP MAIN, WHICH IS TO BE REMOVED, SHALL BE TRANSFERRED TO THE NEW 18" MAIN. COST FOR THIS WORK SHALL BE PAID FOR IN THE UNIT PRICE PER EACH SERVICE TRANSFER. LENGTHS OF EXISTING SERVICE LINES SHALL BE REMOVED AND REPLACED AS NECESSARY TO ACCOMMODATE TRENCH EXCAVATION AND BACKFILL CONDITIONS. CONTRACTOR SHOULD NOTE THAT LOCATIONS OF HOUSE SERVICES SHOWN ARE APPROXIMATE AND THERE MAY BE ADDITIONAL SERVICES NOT SHOWN.
16. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DEFECTIVE OR DETERIORATED CONDITION UPON VISUAL INSPECTION OF EXISTING SERVICE LINES. THE ENGINEER OR THE CONTRACTOR AS DIRECTED BY THE ENGINEER SHALL NOTIFY PROPERTY OWNERS OF SUCH SITUATION AND SHALL PROVIDE THE PROPERTY OWNERS WITH THE OPPORTUNITY TO VISUALLY OBSERVE THE SERVICE CONDITIONS WITHIN A REASONABLE AMOUNT OF TIME.
17. REMOVAL AND REPLACEMENT OF THE EXISTING 10" W.L. UNDER PROJECT NO. 3365 SHALL BE COMPLETED PRIOR TO THE COMMENCEMENT OF THE CONTRACT. ALL EXISTING MANHOLES AND VALVE BOXES SHALL BE ADJUSTED TO FINISHED GRADE.
18. FRAME AND COVER OF EXISTING MANHOLES SPECIFIED TO BE REMOVED SHALL BE SALVAGED BY THE CONTRACTOR WHO SHALL COORDINATE THIS WORK WITH THE LIQUID WASTE DIVISION.
19. SOME EXISTING UNDERGROUND UTILITIES MAY NOT BE SHOWN IN THEIR EXACT LOCATION OR MAY NOT BE SHOWN AT ALL ON THESE DRAWINGS. THE INFORMATION SHOWN IS BASED ON THE BEST AVAILABLE RECORD DRAWINGS. IT IS THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE UTILITY OWNERS AND DETERMINE THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES, BEFORE TRENCHING OPERATIONS ARE INITIATED.
20. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE FIELD ENGINEER WHEN AN UNSTABLE FOUNDATION IS ENCOUNTERED SO THAT APPROPRIATE STABILIZATION MEASURES CAN BE UTILIZED PRIOR TO LAYING OF PIPE. FAILURE TO DO SO BY CONTRACTOR SHALL BE CAUSE FOR REMOVAL OF PIPE, FOUNDATION STABILIZATION AND REPLACEMENT OF PIPE AT CONTRACTOR'S EXPENSE.
21. CONTRACTOR SHALL USE BY-PASS PUMPING WHENEVER POSSIBLE TO MINIMIZE DISRUPTION OF SERVICES. HOWEVER, CONTRACTOR SHALL PLAN CONSTRUCTION SEQUENCE IN ORDER TO UTILIZE THE EXISTING 12" VCP MAIN AS AN ALTERNATE TO BY-PASS PUMPING WITH THE INTENT TO MINIMIZE COST WHENEVER POSSIBLE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN SEWAGE FLOW THROUGHOUT THE CONSTRUCTION PERIOD.
22. GARFIELD AVE. SHALL BE CLOSED TO THROUGH TRAFFIC WITHIN LIMITS OF THE CONSTRUCTION FROM YALE TO PRINCETON. HOWEVER, CONTRACTOR SHALL MAINTAIN ADEQUATE ACCESS TO ADJACENT RESIDENTS AND BUSINESSES. THIS WORK SHALL BE PAID FOR UNDER TRAFFIC CONTROL. NO OPEN TRENCH MORE THAN 300 FT. IS ALLOWED AT ANY TIME.
23. ALL CONSTRUCTION TRAFFIC CONTROL SIGNS SHALL BE IN CONFORMANCE WITH MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).



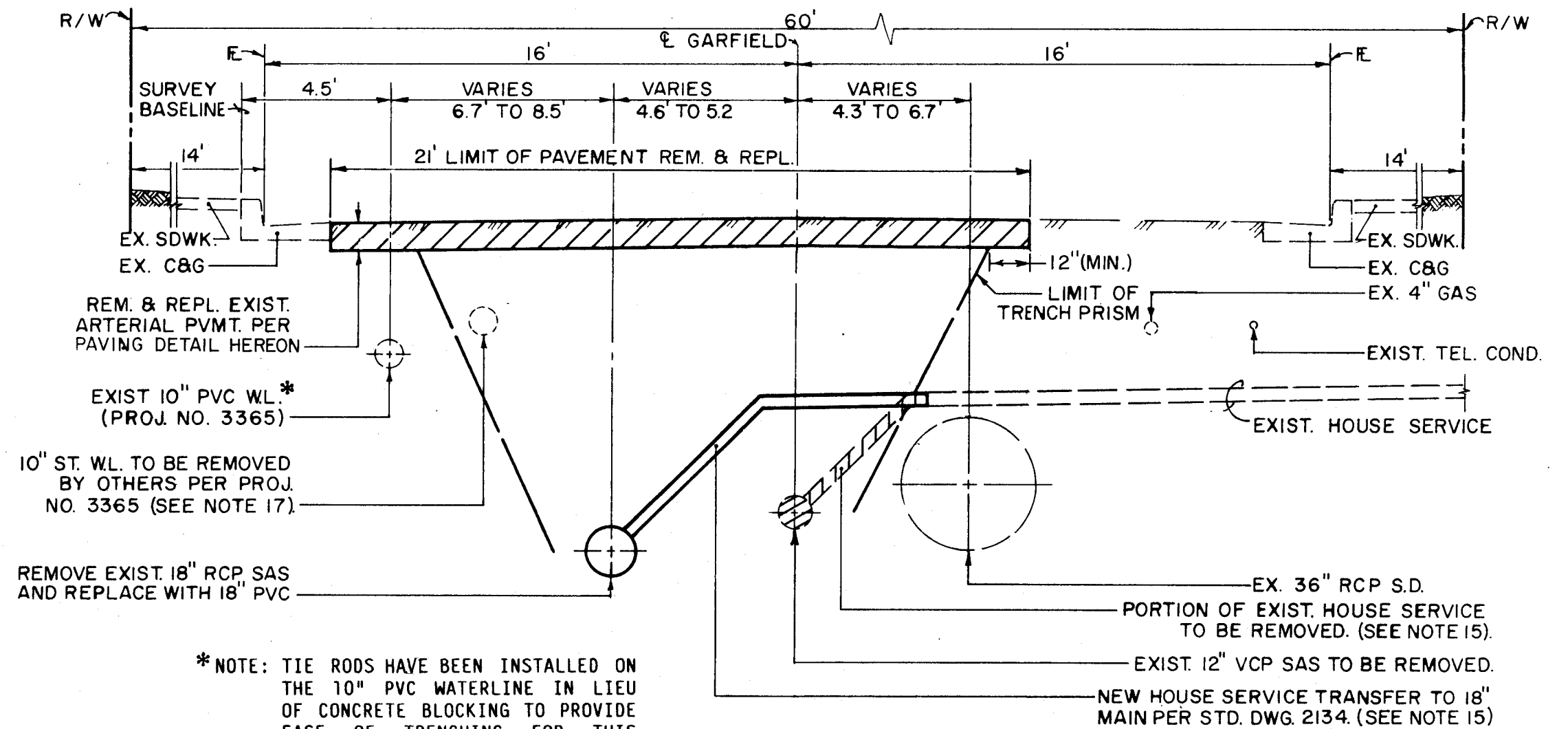
BACKFILL BEDDING DETAIL
TYPICAL
N.T.S.



PAVING DETAIL
TYPICAL
N.T.S.



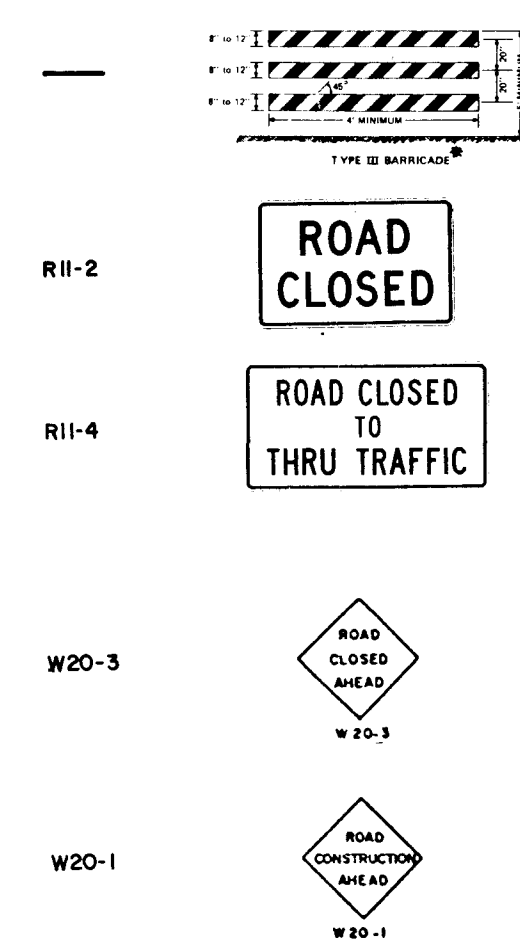
CONSTRUCTION TRAFFIC CONTROL PLAN
N.T.S.



SECTION A
Scale: 1"=4'
TYPICAL

NOTE: ALL ASPHALT CONCRETE PAVEMENT REMOVAL AS SHOWN HEREON SHALL BE SAWCUT TO A MINIMUM DEPTH OF 2".

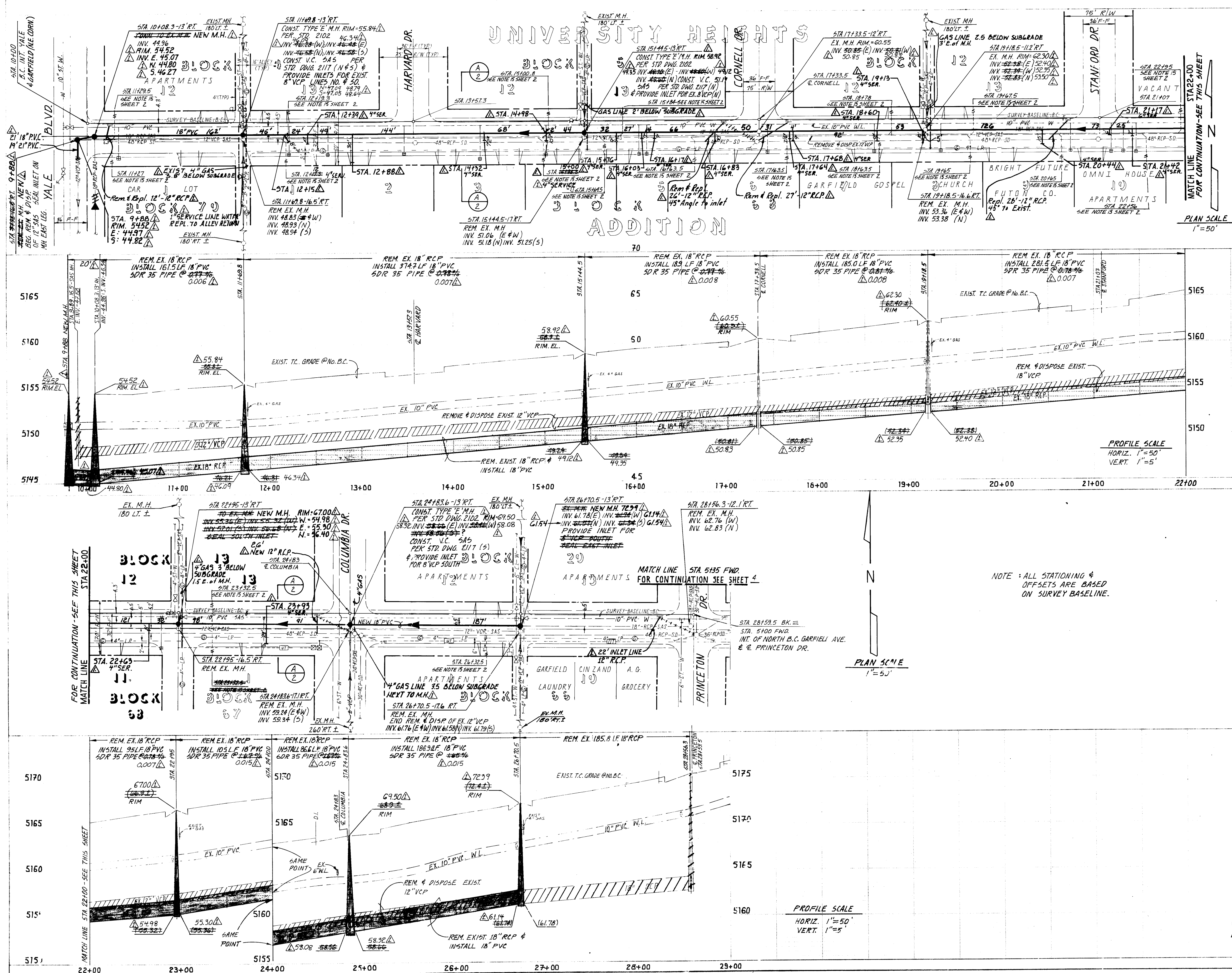
TRAFFIC CONTROL SIGN LEGEND:



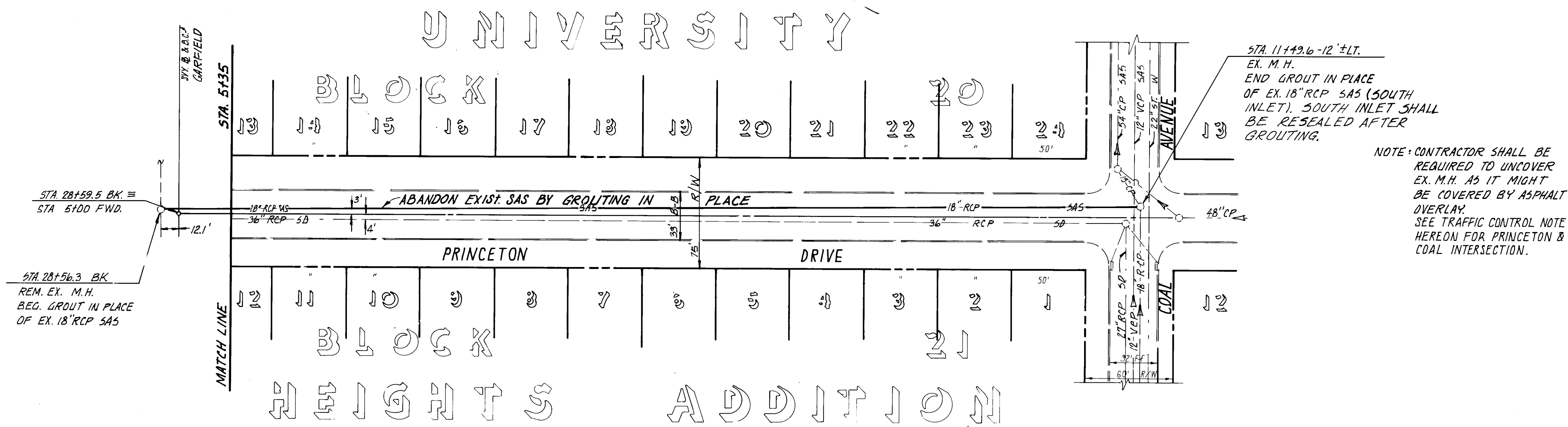
WARNING LIGHTS SHALL BE USED AT NIGHT TO MARK BARRICADES

26 32900289

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION					
TITLE: GARFIELD AVE. SANITARY SEWER REPLACEMENT DETAILS AND SECTIONS, SPECIAL NOTES, CONSTRUCTION TRAFFIC CONTROL					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	10/6/07	Liquid Waste	<i>[Signature]</i>	10/6/07
A.C.E. - Design	<i>[Signature]</i>	10/1/07	Traffic	<i>[Signature]</i>	10/6/07
A.C.E. - Hydrology	<i>[Signature]</i>	10/5/07	Water	<i>[Signature]</i>	10/6/07
Drawing Eng					
DRAWING NO.	3290	MAP NO.	K-16	SHEET	2 OF 4

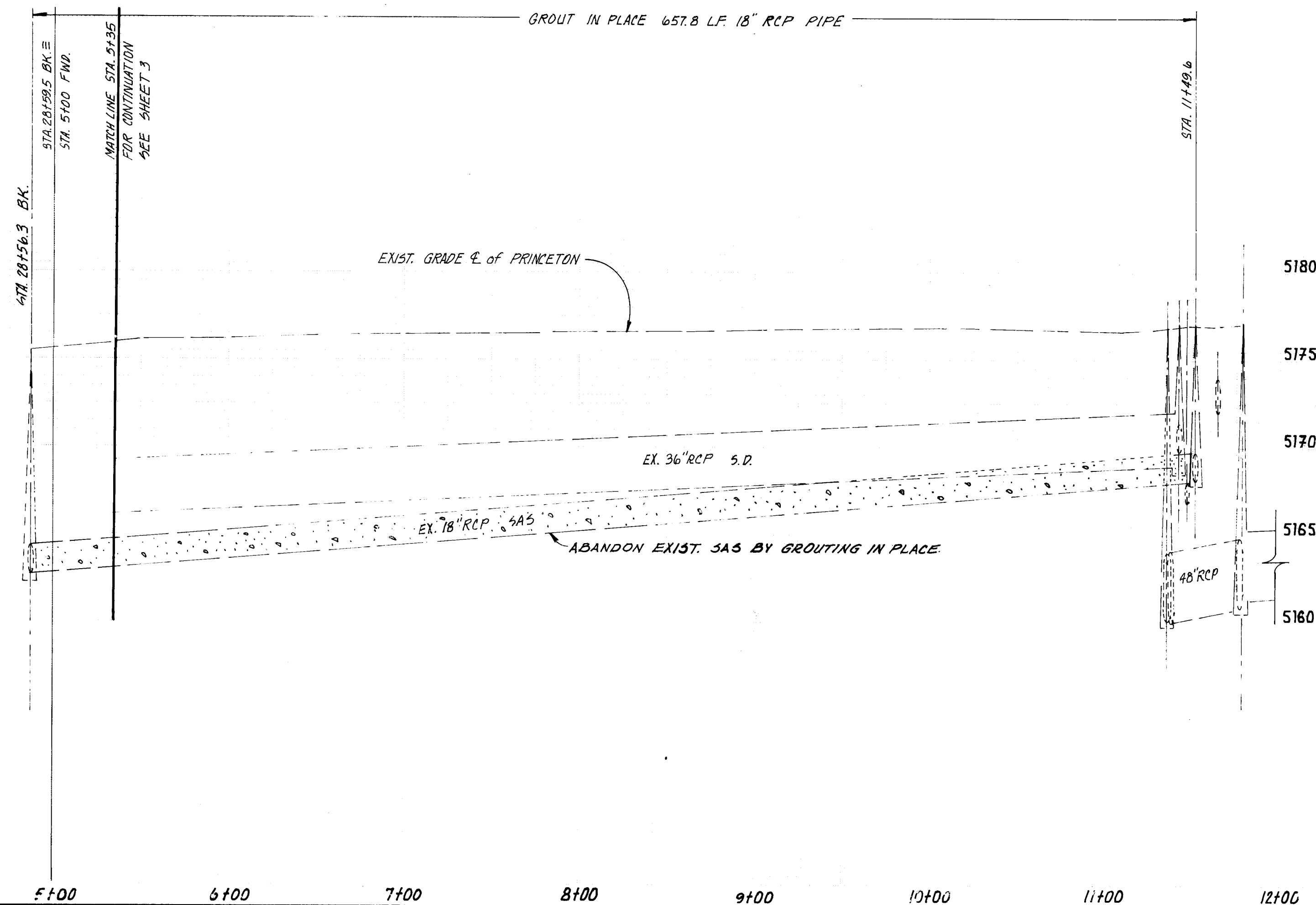
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CITY OF ALBUQUERQUE					
PUBLIC WORKS DEPARTMENT					
ENGINEERING DIVISION					
TITLE GARFIELD SANITARY SEWER REPLACEMENT					
YALE BLVD. TO PRINCETON DR.					
PLAN & PROFILE- GARFIELD AVE. STA.10+00 TO STA. 28+59.5					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	11/6/97	Liquid Waste	<i>[Signature]</i>	10/15/97
A.C.E. Design	<i>[Signature]</i>	10-1-97	Traffic	<i>[Signature]</i>	10/15/97
A.C.E. - Hydrology	<i>[Signature]</i>	10/5/97	Water	<i>[Signature]</i>	10/15/97
Traffic Eng					
DRAWING NO	3290		MAP NO	K-16	
			SHEET	3	OF 4



SCALES:
HORIZ. - 1" = 50'
VERT. - 1" = 5'

SCALES:
HORIZ. - 1" = 50'
VERT. - 1" = 5'



TRAFFIC CONTROL FOR PRINCETON & COAL INTERSECTION:

- Contractor shall adhere to Section 19 of the City of Albuquerque Standard Specifications-Public Works Construction.
- Contractor will be allotted one working day to complete grouting.
- Contractor shall notify Traffic Engineering at 768-2788 two days in advance before occupying intersection.
- Contractor shall maintain one lane of traffic at all times. Contractor is allowed to occupy two lanes of traffic between the hours of 9:00 am to 4:00 pm for one day only.

26 329 00489

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: GARFIELD SANITARY SEWER REPLACEMENT-
PRINCETON DRIVE, GARFIELD TO COAL.
PLAN & PROFILE-PRINCETON DR-STA. 5+00 STA. 11+49.6

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
CITY Engineer	<i>[Signature]</i>	10/1/87	Liquid Waste	<i>[Signature]</i>	10/1/87
A.C.E. Design	<i>[Signature]</i>	10/1/87	Traffic	<i>[Signature]</i>	10/1/87
A.C.E. Hydrology	<i>[Signature]</i>	10/1/87	Water	<i>[Signature]</i>	10/1/87
Traffic Eng	<i>[Signature]</i>	10/1/87			

DRAWING NO. 3290 MAP NO. K-16 SHEET 4 OF 4