



CONSTRUCTION PLANS FOR SOUTH BROADWAY DETENTION BASIN

CITY OF ALBUQUERQUE PROJECT NO. 4165.90

SHEET NO. SHEET TITLE

1	COVER SHEET, FILING SHEET AND MISCELLANEOUS DATA
2	BASIN LOCATION AND HYDROGRAPHS
3	PLAT - SHEETS 1 AND 2 OF 3
4	PLAT - SHEET 3 OF 3
5	SITE AND REMOVAL PLAN
6	DETENTION BASIN LAYOUT - WEST HALF
7	DETENTION BASIN LAYOUT - EAST HALF
8	DETENTION BASIN GRADING PLAN - WEST HALF
9	DETENTION BASIN GRADING PLAN - EAST HALF
10	PLAN & PROFILE OF COMMERCIAL ST. (STA. 0+92 TO 3+25) NEAR BELL TO NEAR LEWIS
11	PLAN & PROFILE OF COMMERCIAL ST. (STA. 3+25 TO 14+25) NEAR LEWIS TO NEAR PACIFIC
12	PLAN & PROFILE OF COMMERCIAL ST. (STA. 14+25 TO 22+09) NEAR PACIFIC TO DETENTION POND
13	PLAN & PROFILE OF SANTA FE AVE. (STA. 1+00 TO 4+00) POND TO BROADWAY
13R	SANTA FE AVE. PLAN - AS-BUILT
14	PLAN & PROFILE OF BROADWAY BLVD. (STA. 1+00 TO 11+60) NEAR SANTA FE TO NEAR GARFIELD
15	PLAN & PROFILE OF COMMERCIAL ST. WEST OF DETENTION BASIN
16	STREET CROSS SECTIONS WITH UTILITIES FOR STORM DRAINS
17	DETENTION BASIN SECTIONS
18	DETENTION BASIN DETAILS
19	MISCELLANEOUS DETAILS AND WATER SHUTOFF PLAN
20	JUNCTION BOX DETAILS 1 OF 3
21	JUNCTION BOX DETAILS 2 OF 3
22	JUNCTION BOX DETAILS 3 OF 3
23	PAVING SCHEMATIC PLAN & PAVING SECTIONS
24	PAVING PLAN & PROFILE SANTA FE AVE. AND WILLIAM ST.
25	JOHN ST. CUL-DE-SAC & BROADWAY SANITARY SEWER REPLACEMENT
26	LANDSCAPING
27	CONSTRUCTION TRAFFIC CONTROL
28	TRAFFIC CONTROL SIGNING EXAMPLES
29	SOUTH COMMERCIAL ST CONSTRUCTION TRAFFIC CONTROL
30	WILLIAM ST AND PACIFIC ST CONSTRUCTION TRAFFIC CONTROL
31	NORTH COMMERCIAL ST CONSTRUCTION TRAFFIC CONTROL
32	BROADWAY BLVD CONSTRUCTION TRAFFIC CONTROL
33	JOHN ST. CONSTRUCTION TRAFFIC CONTROL
34	TRAFFIC CONTROL DEVICES - SUMMARY OF QUANTITIES

DETENTION BASIN PROPERTIES	
DRAINAGE AREA SIZE (100 YEAR)	332 ac.
100 YEAR DESIGN RAINFALL	2.4 in. in 24 hrs (2.2 in. in 6 hrs)
100 YEAR PEAK INFLOW (24)	567 cfs
HAZARD CLASSIFICATION	DOES NOT APPLY
MAXIMUM HEIGHT OF FILL ABOVE NATURAL GROUND	2.5 ft
LENGTH OF RETAINING WALL	350 ft
TOP OF WALL ELEVATION	4950.0
LOCATION OF EMERGENCY SPILLWAY (WEIR)	SW CORNER OF BASIN
LENGTH OF SPILLWAY CREST	73 ft
TOP OF WEIR WIDTH	2.67 ft
SLOPE OF UPSTREAM FACE	3H:1V OR FLATTER
SLOPE OF DOWNSTREAM FACE	HORIZONTAL: VERTICAL # 2.5' RET WALL
TOP OF SPILLWAY ELEVATION	4948.8
CROSS SECTIONAL AREA OF EMERGENCY SPILLWAY	87.6 sq ft
DISCHARGE CAPACITY OF EMERGENCY SPILLWAY	107 cfs
OUTLET CONDUIT SIZE	30" dia.
OUTLET INVERT ELEVATION	4935.68
SLOPE OF OUTLET PIPE	0.001 ft/ft
MAXIMUM OUTLET DISCHARGE CAPACITY	27.8 cfs
TIME TO EMPTY DETENTION RESERVOIR (100-YR)	30.5 hrs
MAXIMUM WATER SURFACE ELEVATION (100-YR)	4947.73 @ 2.25 hrs
SURFACE AREA AT MAXIMUM WATER SURFACE ELEVATION (100-YR)	2.6 ac.
SURFACE AREA AT TOP OF WALL (4950.0)	2.8 ac.
STORAGE CAPACITY @ 49 47.73 (100-YR)	22.6 ac. ft
STORAGE CAPACITY @ 4950.0 (TOP OF WALL)	28.5 ac. ft.

THE 30" OUTLET PIPE BECOMES PART OF THE LOCAL STORM DRAIN SYSTEM AND DISCHARGES TO THE EXISTING BELL AVENUE/COMMERCIAL STREET PUMP STATION. THE PUMP STATION DISCHARGES INTO THE BROADWAY STORM DRAIN AT BELL AVENUE.

SOUTH BROADWAY DETENTION BASIN

CITY OF ALBUQUERQUE APPLICANT, LOCATED IN BERNALILLO COUNTY, STATE OF NEW MEXICO. ALL COURSES TRUE. THE UNDERSIGNED, CITY OF ALBUQUERQUE, CLAIMANT, WHOSE POST OFFICE ADDRESS IS PO BOX 1293, ALBUQUERQUE, NEW MEXICO, HAS CAUSED TO BE LOCATED BY A QUALIFIED REGISTERED ENGINEER THE SOUTH BROADWAY DETENTION BASIN AS HEREINAFTER DESCRIBED AND INDICATED, HEREBY MAKE THESE SEVERAL STATEMENTS RELATIVE THERE AND OFFERS THIS MAP AND STATEMENTS FOR ACCEPTANCE AND FILING IN COMPLIANCE WITH THE LAWS OF THE STATE OF NEW MEXICO.

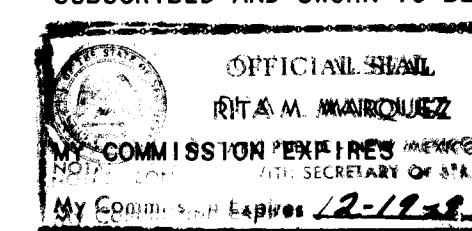
THE CENTER OF THE BASIN INLET STRUCTURE IS SITUATED WITHIN THE SE 1/4 OF SECTION 20, TOWNSHIP 10N, RANGE 3E, NMPM, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, AND BEAR NEW MEXICO STATE PLANE COORDINATES, CENTRAL ZONE OF X=381,498, Y=1,483,053

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO)

I, Daniel W. Hogan, ON BEHALF OF THE CITY OF ALBUQUERQUE, BEING DULY SWORN, UPON MY OATH, STATE THAT I HAVE READ AND EXAMINED THE ACCOMPANYING MAPS AND STATEMENTS (CONSISTING OF 34 SHEETS) AND KNOW THE CONTENTS THEREOF AND REPRESENTATIONS THEREON, AND STATE THAT THE SAME ARE TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Daniel W. Hogan
AUTHORITY CLAIMANT.

SUBSCRIBED AND SWORN TO BEFORE ME THIS 10 DAY OF February 1992



Rita M. Marquez
NOTARY PUBLIC

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO)

I, Elvidio V. Diniz, STATE THAT I AM A REGISTERED PROFESSIONAL ENGINEER, NEW MEXICO NO. 7111, QUALIFIED IN CIVIL ENGINEERING AND THAT THE ACCOMPANYING PLANS WERE PREPARED BY ME OR UNDER MY SUPERVISION AND ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Elvidio V. Diniz
ELVIDIO V. DINIZ
NEW MEXICO REGISTERED
PROFESSIONAL ENGINEER
NO. 7111

SUBSCRIBED AND SWORN TO BEFORE ME THIS 21 DAY OF November 1991

Gloria J. Gannon
NOTARY PUBLIC

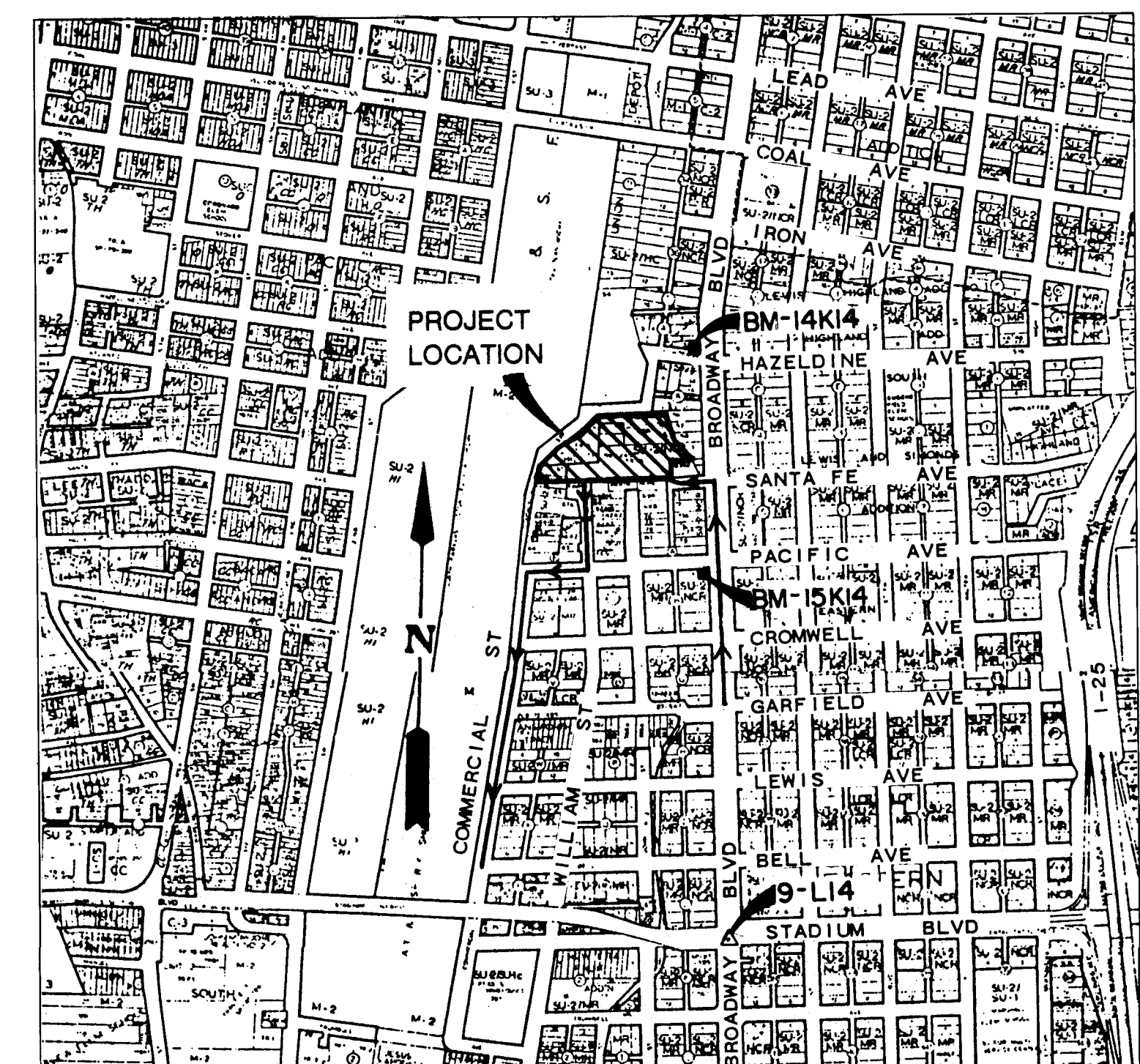
MY COMMISSION EXPIRES:

2/25/95

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO)

I HEREBY CERTIFY THAT THE ACCOMPANYING PLANS AND SPECIFICATIONS HAVE BEEN DULY EXAMINED BY ME APPROVED AS TO FORM AND CONTENT, AND WERE DULY ACCEPTED FOR FILING ON THE 10 DAY OF February 1992

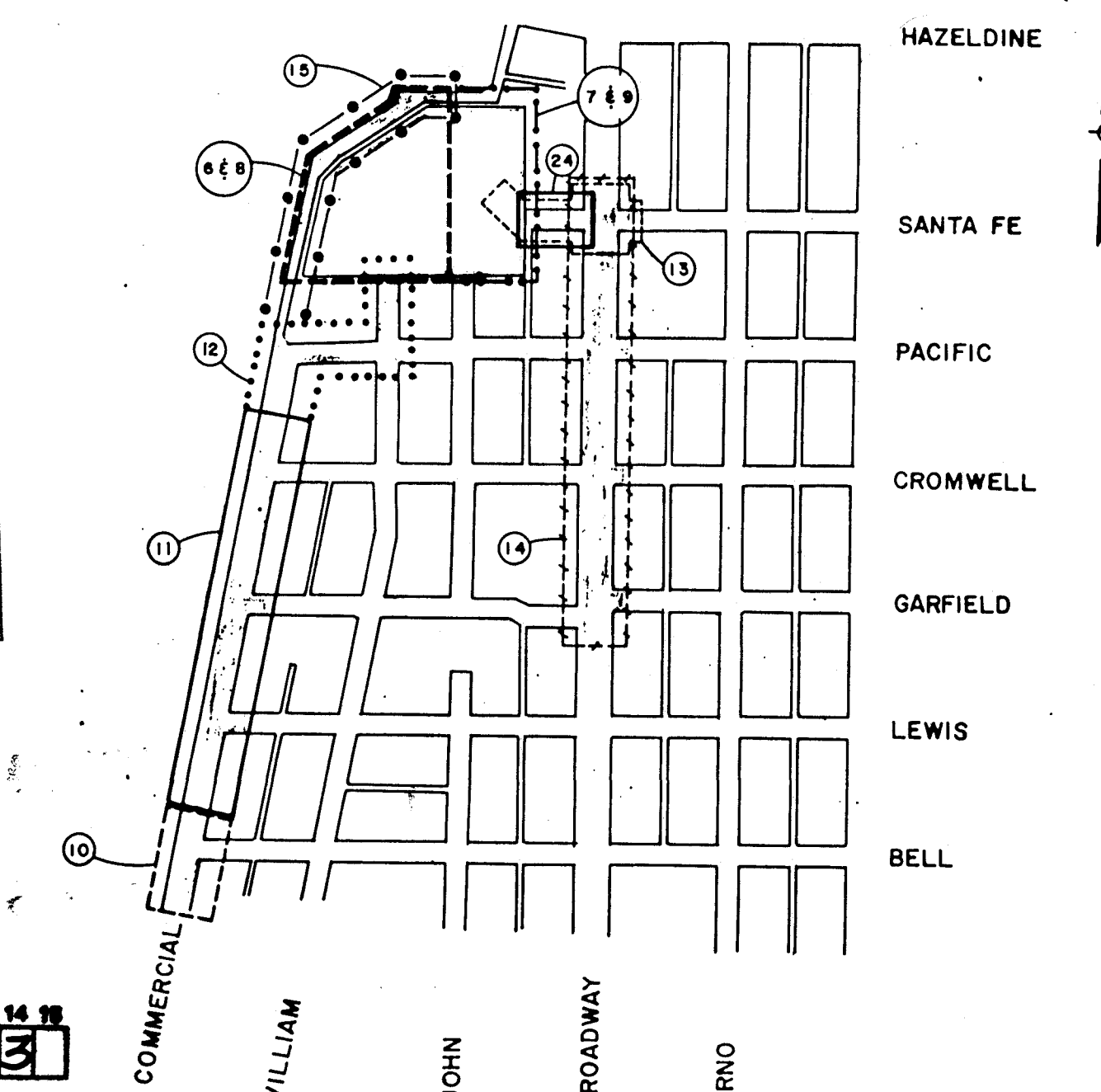
Elvidio V. Diniz
STATE ENGINEER



VICINITY MAP N.T.S.
MAP NOS. K14 AND L14

PROJECT DESCRIPTION

THE PROJECT CONSISTS OF APPROXIMATELY 1050 LF OF STORM DRAIN IN BROADWAY BLVD. A JUNCTION BOX AT BROADWAY BLVD. & SANTA FE AVE. 280 LF OF STORM DRAIN FROM THE JUNCTION BOX TO THE 28.5 AF DETENTION BASIN, 2140 LF OF OUTLET LINE FROM THE DETENTION BASIN, AND APPURTENANT STRUCTURES.



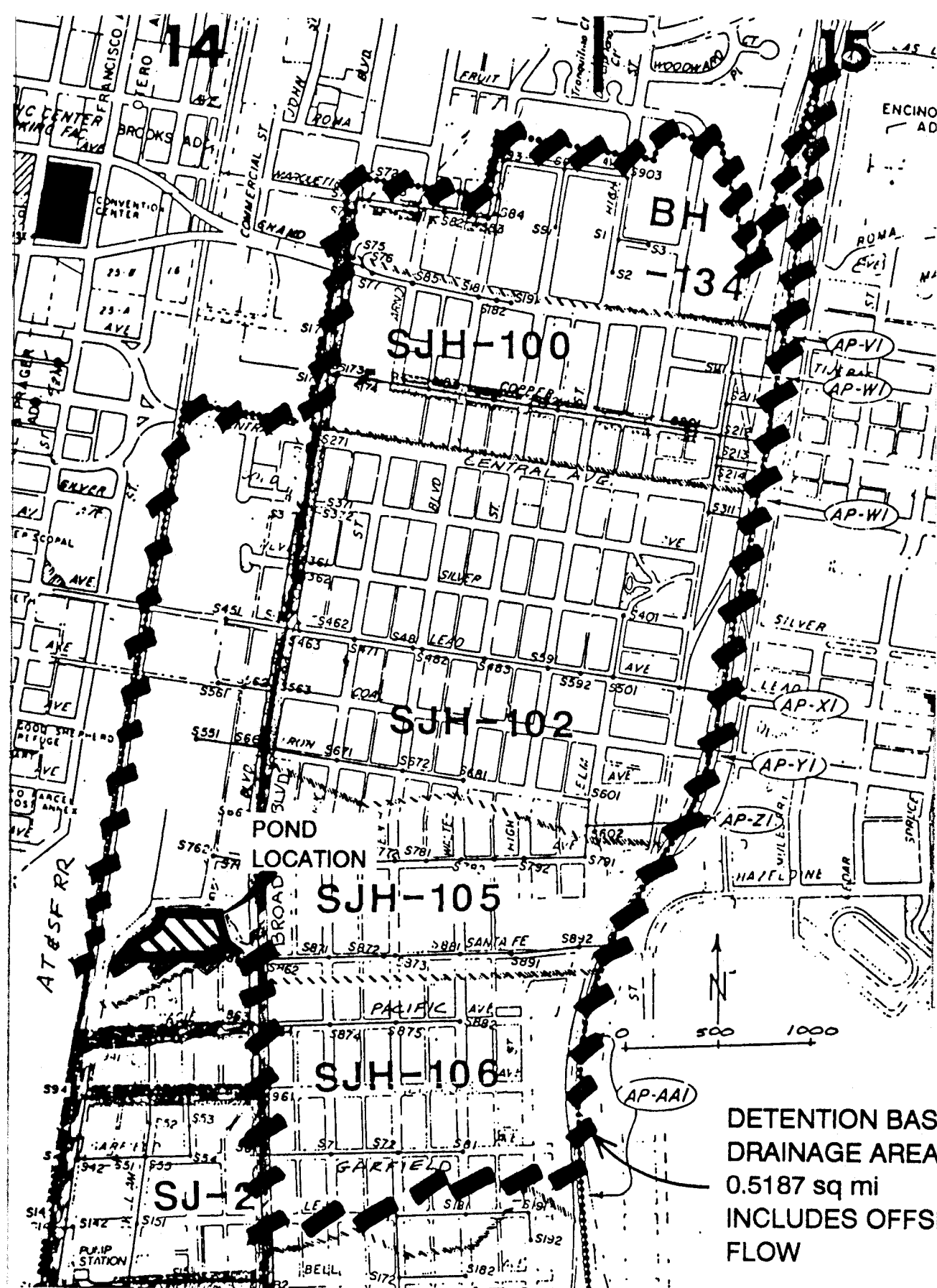
SCHEMATIC SHEET LAYOUT MAP

1	ADD SHEET 13R	2/22/93			
REV.	SHEETS	DATE	DATE	DATE	DATE

APPROVAL OF REVISIONS

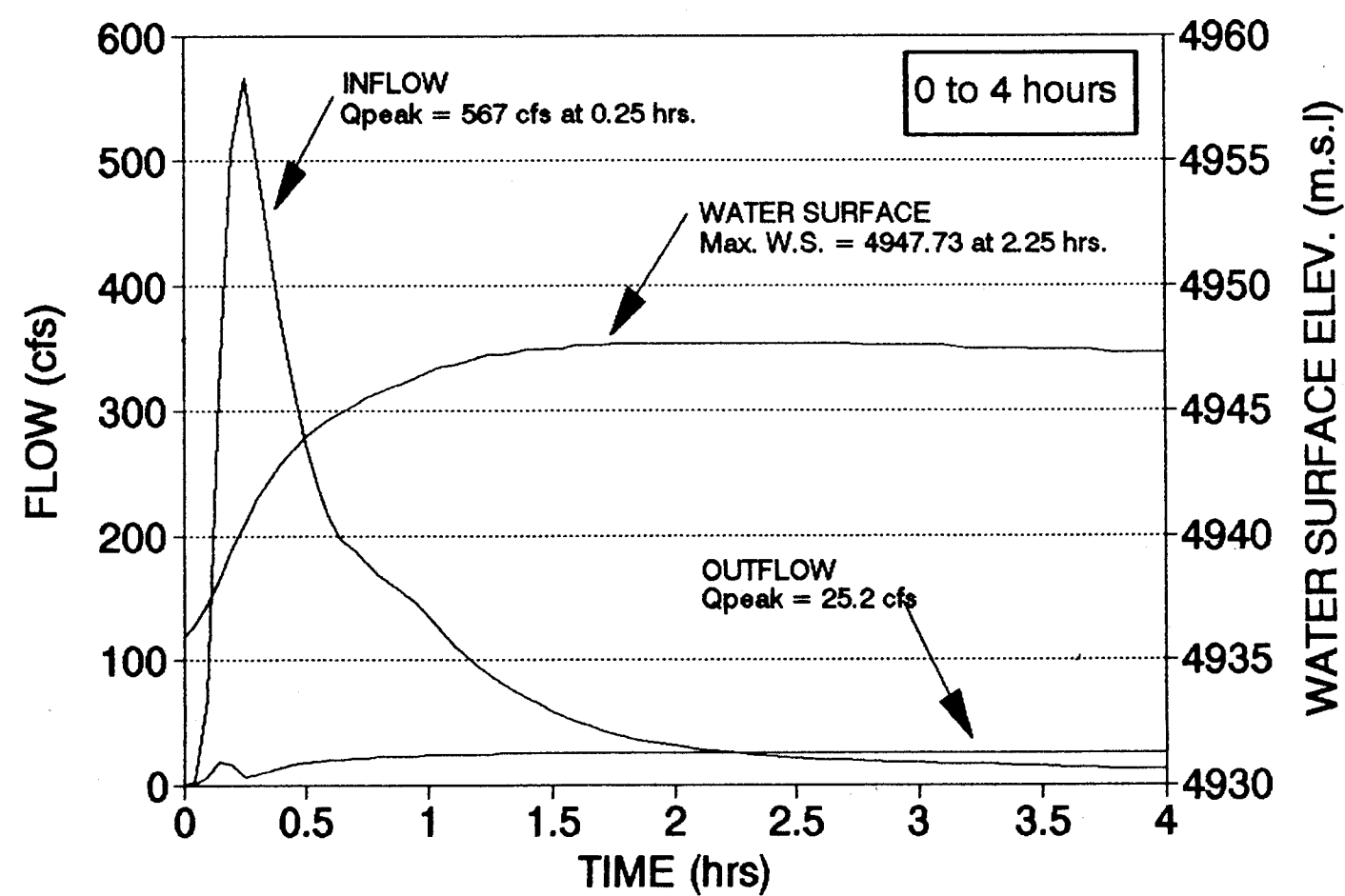
	PREPARED BY: RESOURCE TECHNOLOGY INCORPORATED	APPROVED FOR CONSTRUCTION <u>Elvidio V. Diniz</u> 2-5-92
	PROJECT NO. 4165.90	SHEET OF 1 34

SCANNED BY
JOY LASON

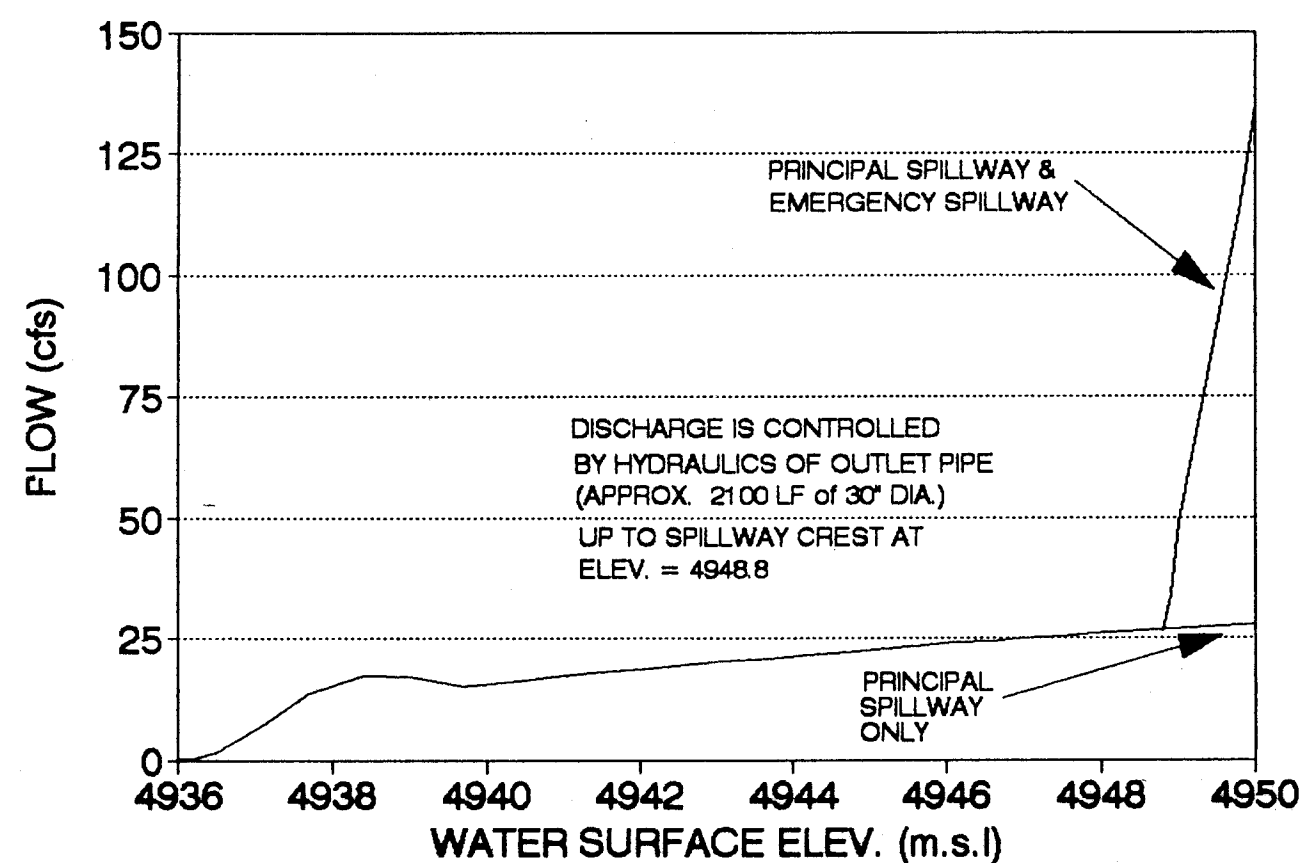


DRAINAGE AREA MAP

100-YR 24-HR STORM INFLOW, OUTFLOW, AND WATER SURFACE



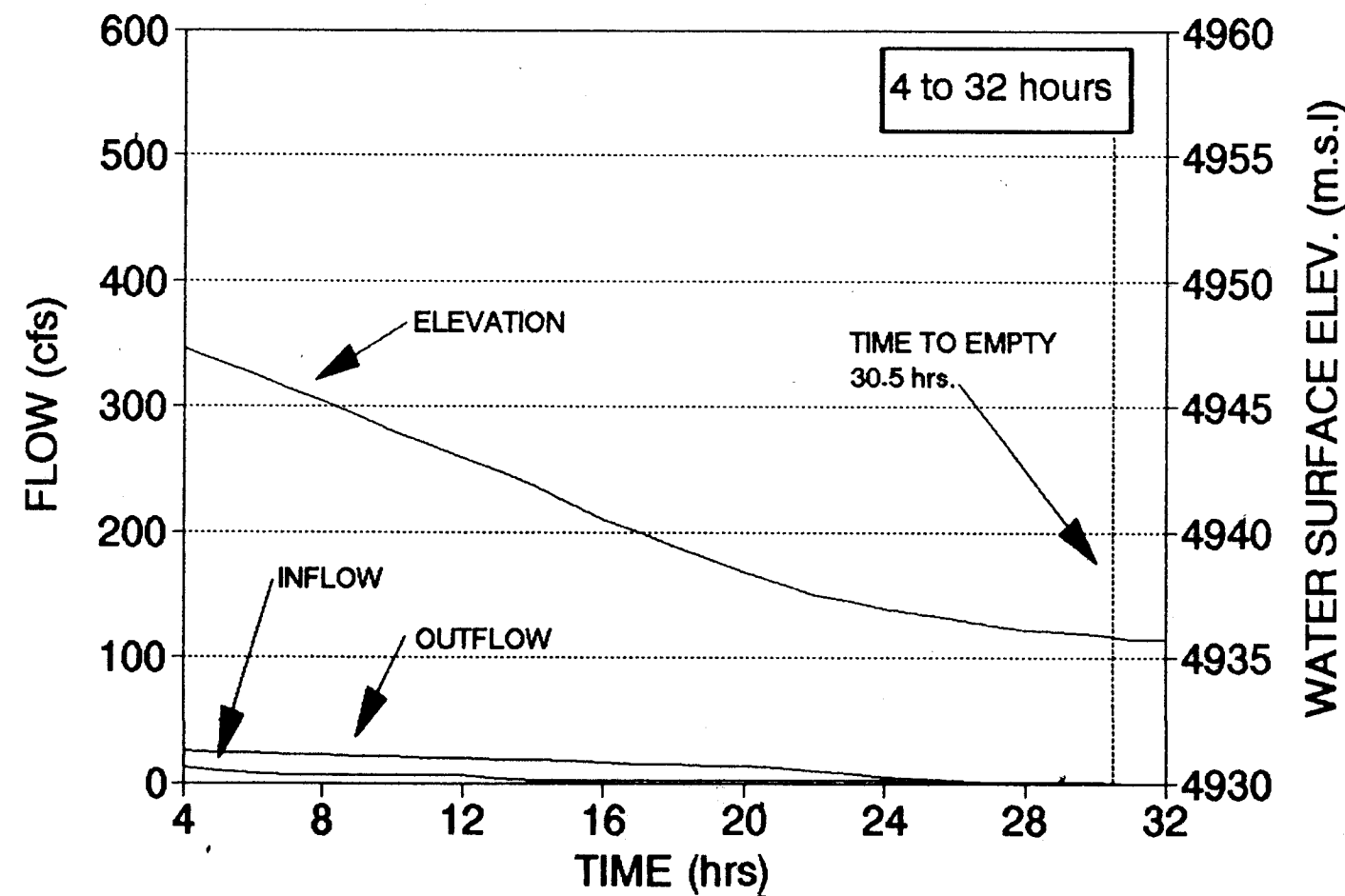
OUTFLOW vs. WATER SURFACE



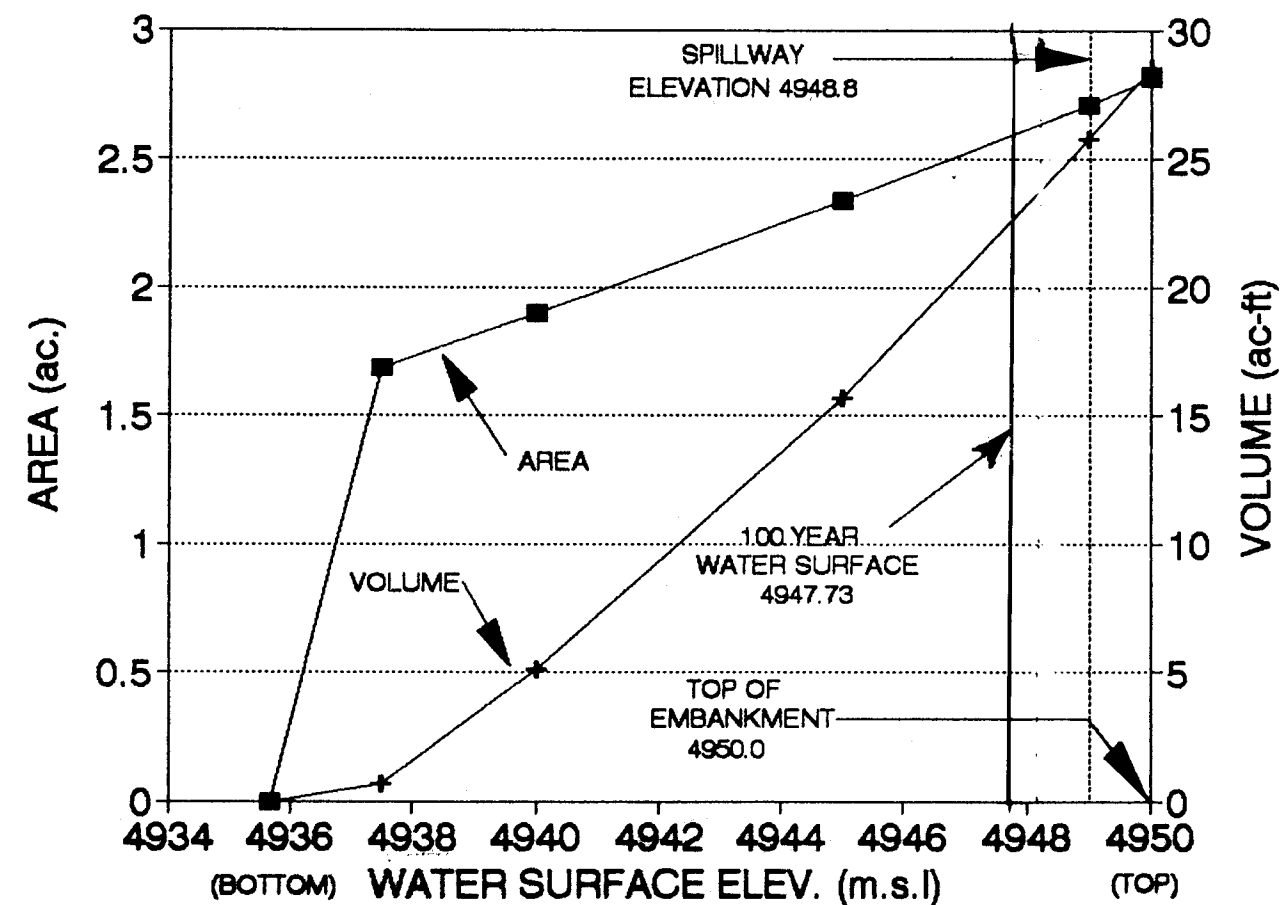
DETENTION BASIN PROPERTIES	
DRAINAGE AREA SIZE (100 YEAR)	332 ac.
100 YEAR DESIGN RAINFALL	2.4 in. in 24 hrs (2.2 in. in 6 hrs)
100 YEAR PEAK INFLOW (24)	567 cfs
HAZARD CLASSIFICATION	DOES NOT APPLY
MAXIMUM HEIGHT OF FILL ABOVE NATURAL GROUND	2.5 ft
LENGTH OF RETAINING WALL	350 ft
TOP OF WALL ELEVATION	4950.0
LOCATION OF EMERGENCY SPILLWAY (WEIR)	SW CORNER OF BASIN
LENGTH OF SPILLWAY CREST	73 ft
TOP OF WEIR WIDTH	2.67 ft
SLOPE OF UPSTREAM FACE	3H:1V OR FLATTER
SLOPE OF DOWNSTREAM FACE	HORIZONTAL; VERTICAL ● 2.5' RET WALL
TOP OF SPILLWAY ELEVATION	4948.8
CROSS SECTIONAL AREA OF EMERGENCY SPILLWAY	87.6 sq ft
DISCHARGE CAPACITY OF EMERGENCY SPILLWAY	107 cfs
OUTLET CONDUIT SIZE	30" dia.
OUTLET INVERT ELEVATION	4935.68
SLOPE OF OUTLET PIPE	0.001 ft/ft
MAXIMUM OUTLET DISCHARGE CAPACITY	27.8 cfs
TIME TO EMPTY DETENTION RESERVOIR (100-YR)	30.5 hrs
MAXIMUM WATER SURFACE ELEVATION (100-YR)	4947.73 @ 2.25 hrs
SURFACE AREA AT MAXIMUM WATER SURFACE ELEVATION (100-YR)	2.6 ac.
SURFACE AREA AT TOP OF WALL (4950.0)	2.8 ac.
STORAGE CAPACITY @ 4947.73 (100-YR)	22.6 ac. ft
STORAGE CAPACITY @ 4950.0 (TOP OF WALL)	28.5 ac. ft.

THE 30\"/>

100-YR 24-HR STORM INFLOW, OUTFLOW, AND WATER SURFACE



AREA and VOLUME vs. WATER SURFACE



FILE-B:8:8NOTES LAST REVISION=11/14/91

GENERAL NOTES

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREIN, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (1988) INCLUDING UPDATES. FOR SHORT, THESE MAY ALSO BE REFERRED TO AS THE SPECIFICATIONS OR THE STANDARD SPECIFICATIONS.
- IF THE CONTRACTOR IS UNCLEAR AS TO THE INTENT OF THE PLANS OR SPECIFICATIONS HE SHALL PROMPTLY DISCUSS THEM WITH THE ENGINEER.
- TIMING OF WORK: SEE THE SUPPLEMENTAL GENERAL CONDITIONS AND SPECIFICATIONS FOR REQUIREMENTS FOR THE TIMING OF CONSTRUCTION.
- MUCH OF THE WORK OF THIS PROJECT OCCURS IN OR NEAR ESTABLISHED RESIDENTIAL AREAS. THE CONTRACTOR SHALL CONDUCT HIS WORK IN SUCH A WAY AS TO AVOID UNNECESSARY DISRUPTION, INCLUDING BUT NOT LIMITED TO DISRUPTIONS CAUSED BY TRAFFIC, NOISE, AND DUST.
- THE UTILITY LOCATIONS SHOWN ON THE PLANS ARE BASED ON RECORD DRAWINGS AND FIELD SPOTTINGS AND MUST BE CONSIDERED APPROXIMATE. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE-CALL, 260-1990, FOR LOCATION OF EXISTING UTILITIES. THE ONE-CALL TICKET NUMBER FOR DESIGN OF THIS PROJECT WAS 910517 1429 0174.
- ALL UTILITIES SHOWN AND ANY OTHER UTILITIES THAT ARE NOT SHOWN ON THE PLANS BUT ARE WITHIN THE CONSTRUCTION AREA SHALL BE LOCATED, IDENTIFIED AND PROTECTED BY THE CONTRACTOR AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS SHOWN ON THE DRAWINGS, INCLUDING THE HORIZONTAL AND VERTICAL LOCATION OF ALL OBSTRUCTIONS, PRIOR TO STARTING WORK AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR INCONSISTENCIES SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- UTILITIES COORDINATION: THE CONTRACTOR SHALL COORDINATE WITH THE UTILITIES INVOLVED BEFORE AND DURING WORK ON THIS PROJECT AND SHALL INFORM THE ENGINEER OF ANY PROBLEMS AFFECTING THE DESIGN OR EXECUTION OF THE PROJECT. THE UTILITY CONTACT PERSONS FOR THIS PROJECT ARE:

UTILITY	NAME OF CONTACT	PHONE
PUBLIC SERVICE COMPANY OF NEW MEXICO	BRENT SWITZER	848-3470
GAS COMPANY OF NEW MEXICO	TIM CYNOVA	761-7775
U. S. WEST COMMUNICATIONS	TOM WISEMAN	245-6460
JONES INTERCABLE	ISMAEL JARAMILLO	761-6220
(AT&T)	ISMAEL PANTOJA	842-2806
- THE GAS CO. SHALL MOVE OR REMOVE ITS LINES AS REQUIRED IN ADVANCE OF CONSTRUCTION.
- HIGH PRESSURE AND VERY HIGH PRESSURE GAS LINES EXIST CLOSE TO THE WORK IN SEVERAL PLACES, PARTICULARLY ALONG COMMERCIAL STREET.
- THE CONTRACTOR SHALL VERIFY THAT THE SANITARY SEWER LINE IN BROADWAY BLVD. SHOWN ON THE PLANS AS BEING ABANDONED ACTUALLY IS ABANDONED BEFORE REMOVING OR DISTURBING IT.
- ALL UTILITIES WITHIN THIS PROJECT SHALL REMAIN IN OPERATION UNLESS OTHERWISE INDICATED ON THE PLANS.
- DESIGN NOTE: THE CATCH BASINS ON THE WEST SIDE OF BROADWAY BLVD. SOUTH OF SANTA FE AVE. WILL CONTINUE TO BE CONNECTED TO THE EXISTING 72-INCH STORM DRAIN. CATCH BASINS ON THE EAST SIDE WILL CONNECT TO NEW STORM DRAINS AS SHOWN ON THE PLANS.
- THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADE PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. THE CONTRACTOR SHALL NOTIFY THE BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE SPECIFICATIONS.
- THE CONTRACTOR SHALL COORDINATE TRAFFIC CONTROL WITH THE CONSTRUCTION COORDINATOR OF THE CITY OF ALBUQUERQUE PUBLIC WORKS DEPT.
- THE CONTRACTOR SHALL MAINTAIN THE TRAFFIC CONTROL SIGNAL (STOP LIGHT) AT BROADWAY BLVD. AND PACIFIC AVE. IN OPERATION AT ALL TIMES UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL REPLACE ALL SIGNAL LAMPS TO THEIR ORIGINAL LOCATION, KIND, AND OPERATION AT ANY TIME WHEN A STOP SIGN HAS BEEN REMOVED OR OBSOBELED (E.G. SANTA FE AVE WEST OF BROADWAY BLVD) THE CONTRACTOR SHALL PROVIDE AN APPROPRIATE TEMPORARY STOP SIGN UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- ALL PAVEMENT STRIPING WITHIN THIS PROJECT SHALL BE REPLACED BY THE CONTRACTOR IN LOCATION AND IN KIND AS EXISTING, OR AS INDICATED BY THIS PLAN SET AS DIRECTED BY THE ENGINEER.
- SURVEY MONUMENTS: THE CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE ENGINEER. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE SPECIFICATIONS.
- BEARINGS & DISTANCES: THE DETENTION BASIN IS DESIGNED TO BE LAID OUT USING PROJECT BEARINGS AND DISTANCES AS SHOWN ON THE PLANS. LINE 1 ON SHEET 5 IS THE MAIN LAYOUT LINE FOR THE PROJECT. THE PLAT WAS CREATED USING DIFFERENT C.O.A. MONUMENTATION. SHEET 5 CONTAINS BOTH PLAT AND PROJECT DESCRIPTIONS OF LINE 1. THE PROJECT LIES WITHIN THE PLAT BOUNDARIES.
- LEFT AND RIGHT MEAN LEFT AND RIGHT WHEN LOOKING IN THE DIRECTION OF INCREASING STATIONING.
- PROFILE GRADE IS GIVEN AT RIM ELEVATION OF EXISTING STORM DRAIN MANHOLES IN BROADWAY, WILLIAM, PACIFIC, AND COMMERCIAL. THE CONTRACTOR SHALL DOCUMENT EXISTING PAVEMENT GRADES PRIOR TO CONSTRUCTION AND SHALL RESTORE EXISTING GRADES WHEN REPAVING UNLESS OTHERWISE SHOWN ON THE PLANS OR OTHERWISE DIRECTED BY THE ENGINEER.
- CONTROL OF DUST: THE CONTRACTOR SHALL BE FAMILIAR WITH THE RELEVANT REGULATIONS OF THE ALBUQUERQUE/BERNALILLO COUNTY AIR QUALITY CONTROL BOARD. AT A MINIMUM, THE CONTRACTOR SHALL MAKE A VOLUNTARY WORK STOPPAGE WHEN WIND AND SOIL CONDITIONS ARE SUCH THAT HE CANNOT CONFINE THE DUST TO THE SITE. SOIL CONDITIONS MAY REQUIRE THAT ALL EXCAVATION LIFTS BE PRE-WETTED, PARTICULARLY IF PADDLE SCRAPERS ARE USED. ALL TRUCKS SHALL BE PROPERLY MAINTAINED AND EQUIPPED AND ALL LOADS ENTERING AND LEAVING THE SITE SHALL BE COVERED. LEAVE ALL DISTURBED AREAS IN STABLE CONDITION AT THE END OF EACH WORK DAY. THE CONTRACTOR SHALL CLEAN UP ADJACENT PAVED STREETS DIRTYED BY HIS OPERATIONS, DAILY OR AS DIRECTED BY THE ENGINEER, BY WET BROODING OR OTHER APPROVED MEANS. DRY BROODING WILL NOT BE PERMITTED.
- CONTROL OF WATER: THE CONTRACTOR SHALL CONTROL STORM AND NUISANCE WATER WITHIN THE PROJECT AREA. IN PARTICULAR, THE CONTRACTOR SHALL ENSURE THAT WATER FROM STORM DRAINAGE SYSTEMS WITHIN THE PROJECT AREA (PARTICULARLY THE BROADWAY STORM DRAINAGE SYSTEM) ARE DIRECTED SAFELY AWAY FROM THE WORK AREA. SEE THE CONTRACT DOCUMENTS INCLUDING SUPPLEMENTAL GENERAL CONDITIONS AND TECHNICAL SPECIFICATIONS, SPECIFICALLY STS SECTION 625.
- TRENCHING: SEE THE SPECIFICATIONS AND SUPPLEMENTAL SPECIFICATIONS, INCLUDING SECTION 701.6.5. THE DEPTH OF NEW PIPING, THE NEARNESS OF OTHER UTILITIES AND STRUCTURES WHICH THE CONTRACTOR IS REQUIRED TO PROTECT, PAY LIMITS, AND TRAFFIC CONCERNS INDICATE THAT TRENCH BOXES, SHORING, OR OTHER SUPPORT MAY BE APPROPRIATE IN MUCH OF THIS PROJECT. BACKFILL BETWEEN A TRENCH SHIELD (TRENCH BOX), IF USED, AND THE TRENCH WALL IS REQUIRED IN SOME LOCATIONS.
- VIBRATORY COMPACTION: SEE THE SUPPLEMENTAL SPECIFICATIONS FOR LIMITATIONS.
- PIPE MATERIALS AND INSTALLATION: SEE THE PLANS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. ALL CONCRETE PIPE IS CLASS III REINFORCED CONCRETE PIPE EXCEPT AS OTHERWISE NOTED ON THE PLANS.
- LEAN FILL: LEAN FILL CONSTRUCTION PER STS SEC.207 IS PERMITTED AT THE CONTRACTOR'S OPTION UPON AUTHORIZATION BY THE ENGINEER.
- PIPE CROSSINGS: ALL PIPING AND OTHER UTILITIES THAT CROSS WITH LESS THAN EIGHT (8) INCHES OF CLEARANCE SHALL HAVE CONCRETE PLACED BETWEEN THEM FOR A DISTANCE OF 2.5 FEET ON EITHER SIDE OF THE CROSSING SO AS TO PROVIDE FIRM AND UNIFORM SUPPORT EXCEPT AS OTHERWISE DIRECTED BY THE ENGINEER.
- PIPE ABANDONMENT: ALL LATERALS AND OTHER PIPE THAT IS TO BE ABANDONED IN PLACE SHALL HAVE ALL OPEN ENDS SECURELY PLUGGED WITH CONCRETE. ANY PIPE THAT IS DAMAGED, AND ANY OTHER PIPE DESIGNATED BY THE ENGINEER, SHALL BE REMOVED AND THE REMAINING OPEN ENDS SHALL BE PLUGGED.
- SALVAGE: SALVAGE ALL MANHOLE RINGS AND COVERS, CATCH BASIN GRATES, AND ANY WATERLINE OR STORM DRAIN COMPONENTS AS DIRECTED BY THE ENGINEER, TO THE PIND AVENUE CITY YARDS. THIS WORK IS INCIDENTAL TO CONSTRUCTION.
- TEMPORARY PAVING: TEMPORARY PAVING AS NEEDED SHALL BE PROVIDED PER THE DETAIL SHOWN ON SHEET 13 AND THE STANDARD SPECIFICATIONS. APPROXIMATELY 80 SY OF TEMPORARY PAVING MAY BE NEEDED AT BROADWAY BLVD. AND SANTA FE AVE. TEMPORARY PAVING SHALL BE INCIDENTAL TO CONSTRUCTION AND NO SEPARATE PAYMENT WILL BE MADE THEREFOR.

26 4165.90 293

LEGEND	
DASHED SYMBOLS DENOTE EXISTING ITEMS	
---	EXISTING WATER LINE
---	PROPOSED WATER LINE
---	EXISTING CONTOURS
---	PROPOSED CONTOURS
57.50	EXISTING ELEVATION
50.00	PROPOSED ELEVATION
---	FLOW DIRECTION
---	SLOPE INDICATOR
---	EXISTING FIRE HYDRANT
PP	POWER POLE
---	STORM DRAIN INLET
---	CURB AND GUTTER
O	MANHOLE
---	FENCE
---	OVERHEAD POWER LINE
---	UNDRGRND. TELEPHONE
---	IRRIGATION LINE
---	GAS LINE
---	PROPERTY LINE
---	CENTERLINE
---	EXTENSION OF R
---	ASPHALT PAVEMENT
---	EARTH
---	CONCRETE
---	TRANSITION AREA

ABBREVIATIONS	
T.C.	TOP OF CURB
T.O.C.	TOP OF CONCRETE
T.O.W.	TOP OF WALL
E.O.P.	EDGE OF PAVEMENT
E.O.P.	END OF PROJECT
B.O.P.	BEGINNING OF PROJECT
F.F.	FINISHED FLOOR
F.G.	FINISHED GRADE
P.L.	PROPERTY LINE
C	CENTERLINE
V.P.T.	(VERTICAL) POINT OF TANGENT
P.I.	POINT OF INTERSECTION
F.C.	FACE OF CURB
T.G.	TOP OF GRATE
S.D.	(COA) STANDARD DRAWING
M.H.	MANHOLE
REM.	REMOVE
DISP.	DISPOSE
L.F.	LINEAR FEET
EXIST.	EXISTING
S.A.S.	SANITARY SEWER
R/W	RIGHT OF WAY
F	FLOW LINE
F.C.	FACE OF CURB
H.S.L.	HYDRAULIC GRADE LINE
R.C.P.	REINFORCED CONCRETE PIPE
S.D.	STORM DRAIN
(V.P.I.)	(VERTICAL) POINT OF INTERSECTION
(V.P.C.)	(VERTICAL) POINT CURVATURE
O.C.	ON CENTER

Resource Technology, Inc.
ENGINEERS & ENVIRONMENTAL SCIENTISTS
2159 USUNA NE - SUITE 200 ALBUQUERQUE, NEW MEXICO 87113
TELEPHONE - (505) 345 - 3115

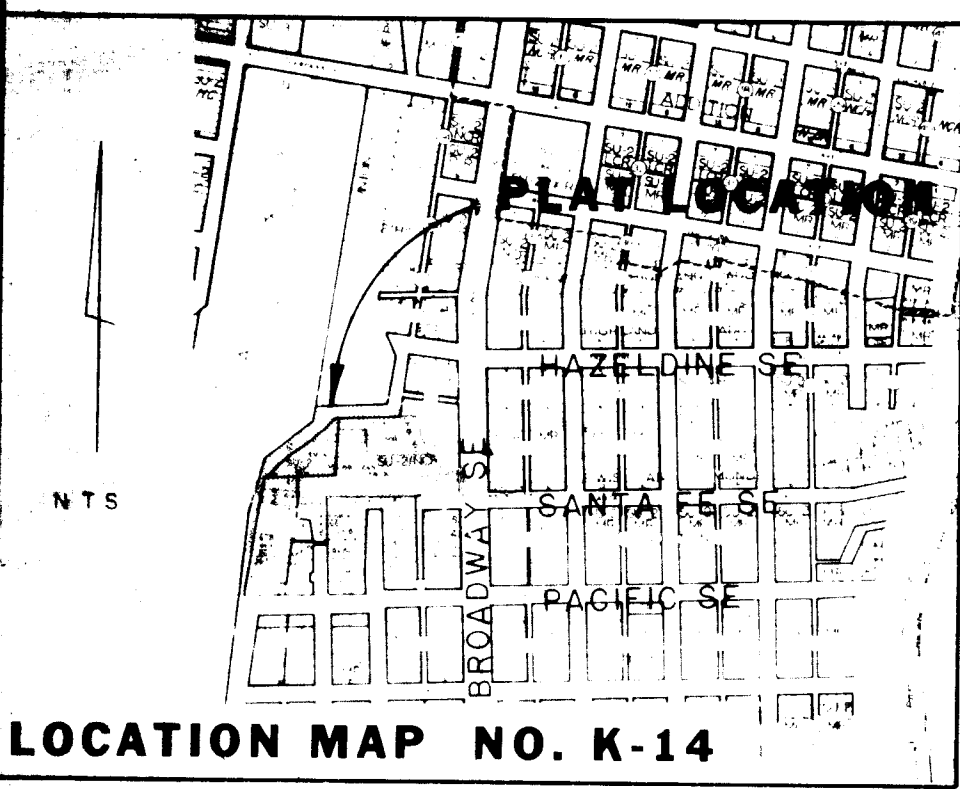
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:
BASIN LOCATION AND HYDROGRAPHS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	Rogel Rios	2-5-92	WATER		
TRANSPORT.	Rogel Rios	1-22-92	WASTE WATER		
HYDROLOGY	Rogel Rios	1-17-92			

PROJECT NO.	MAP NO.	SHEET OF
4165.90	K-14,L-14	2 34

SCANNED BY
BY LASON



LOCATION MAP NO. K-14

PURPOSE:

- To consolidate seven (7) existing tracts into one (1) tract.
- To grant Public Utility Easements as shown hereon.
- To dedicate Public Right of Way as shown hereon.
- To vacate the following easement(s) of record:
 - Twenty-two foot (22') wide Access Easement as shown and designated on "LAND OF RUBY GUIDI" filed August 28, 1980 in Book C17, folio 54.
 - Twenty-two foot (22') wide Road and Utility Easement as shown and designated on "CORRECTED PLAT TR. 'A' & 'B' OF THE GUELFY BROTHERS LAND DIVISION" filed December 15, 1986 in Book C32, folio 88.
- To vacate Public Right of Way as shown hereon.

SUBDIVISION DATA:

- DRB Case No.: 91-215
- Zone Atlas Index No.: K-14

DESCRIPTION:

A tract of land situate within Section 20, Township 10N, Range 3E, N.M.P.M., Map 40 of the Middle Rio Grande Conservancy District (MRGCD), City of Albuquerque, Bernalillo County, New Mexico. Being and comprising the survey entitled TRACT A, MUNICIPAL ADDITION NO. 18, a subdivision of the City of Albuquerque, Bernalillo County, New Mexico, surveyed and monumented by Bernard W. Seitz, Jr., a Registered Professional Surveyor in the State of New Mexico, N.M.P.S. No. 8478, as follows:

MRGCD Tracts 59, 61 and 64 as the same are shown and designated on M.R.G.C.D. Map No. 40, filed in the office of the Middle Rio Grande Conservancy District, Tract 55-A and 55-B of the PLAT OF LAND OF RUBY GUIDI within Section 20, T10N, R3E, N.M.P.M. as the same is shown and designated on the plat thereof, filed in the office of the County Clerk of Bernalillo County, New Mexico on August 28, 1980 in Volume C17, folio 54. Tracts Lettered "A" and "B" of the Corrected Plat of the GUELFY BROTHERS LAND DIVISION, as the same is shown and designated on said corrected plat, filed in the office of the County Clerk of Bernalillo County, New Mexico, on December 15, 1986 in Volume C32, folio 88 and a portion of unplatted Commercial Street, SE and being more particularly described as follows:

Beginning at the northwesterly corner of said tract from whence A.C.S. Control Monument "4-K14" bears N00°31'08"W, 1649.95 feet, said corner being on the southerly right of way line of Commercial Street, SE;

THENCE continuing along said right of way line N88°54'27"E, 233.34 feet to an angle point, said point also being the southwesterly corner of Lot 5, Block K, Highland Addition, South;

THENCE leaving said right of way line and continuing along the southerly boundary line of said Lot 5, N88°10'49"E, 72.04 feet to the northeasterly corner of the herein described tract, said corner also being the northwesterly corner of M.R.G.C.D. Tract 56, Map 40;

THENCE leaving said boundary line of Lot 5 and continuing along the westerly boundary line of said Tract 56 and progressively along M.R.G.C.D. TRACTS 57 and 58, Map 40 and the remainder of Lot 1, Block 1, Concepcion Armijo Subdivision, S18°41'13"E, 156.02 feet to an angle point on the westerly boundary line of said Lot 1;

THENCE continuing along the boundary of said Lot 1, N88°50'56"E, 4.15 feet to an angle point on said boundary;

THENCE continuing along said boundary line, S26°32'20"E, 71.80 feet to the southwesterly corner of said Lot 1;

THENCE continuing along the southerly boundary line of said Lot 1, N84°52'20"E, 88.57 feet to the southeasterly corner of said Lot 1, said corner also being on the westerly right of way line of Broadway Boulevard, SE;

THENCE leaving said Lot 1 and continuing along said right of way line, S01°24'30"E, 12.00 feet to the northeasterly corner of M.R.G.C.D. Tract 63, Map 40;

THENCE leaving said right of way and along the northerly boundary line of said Tract 63, S84°52'20"W, 155.60 feet to the northwesterly corner of said Tract 63;

THENCE along the westerly boundary line of said Tract 63, S01°09'30"E, 75.46 feet to the southeasterly corner of the herein described tract, said corner also being the northeasterly corner of M.R.G.C.D. Tract 66b2 and on the westerly right of way of Santa Fe Street, SE;

THENCE progressively along the northerly boundary line of said Tract 66b2, the northerly right of way line of John Street, SE, and M.R.G.C.D. Tracts 66b1a, 66b1b, and 66A1A, Map 40, S87°42'01"W, 458.39 feet to the northwesterly corner of said Tract 66A1A;

THENCE along the westerly boundary line of said Tract 66A1A, S06°12'01"W, 25.85 feet to the northeasterly corner of M.R.G.C.D. Tract 65, Map 40;

THENCE along the northerly boundary line of said Tract 65, N82°24'59"W, 174.57 feet to the easterly right of way of the Atchison, Topeka, and Santa Fe Rail Road (A.T.&S.F.), said point being the southwesterly corner of M.R.G.C.D. Tract 64 and the herein described tract;

THENCE along said right of way line, N09°09'44"E, 98.94 feet to the northwesterly corner of M.R.G.C.D. Tract 61, said point also being on the southerly right of way line of Commercial Street, SE;

THENCE leaving said A.T.&S.F. right of way and continuing along said Commercial Street, SE right of way line, S84°30'51"E, 37.80 feet to the southwesterly corner of Tract A, Guefy Brothers Land Division;

THENCE continuing N46°56'13"E, 30.80 feet to a point of curvature, said point being on the easterly right of way line of Commercial Street, SE as shown on this plat;

THENCE continuing 64.72 feet along a curve to the right whose radius is 112.83 feet and whose long chord bears N37°11'00"E, 63.84 feet, through a central angle of 32°51'58" to a point of tangency;

THENCE continuing N53°36'59"E, 192.24 feet to an angle point;

THENCE continuing N44°21'38"E, 55.44 feet to the point of beginning. The herein described tract being the referenced "TRACT A, MUNICIPAL ADDITION NO. 18, as shown thereon and made a part of this description and containing 3.8143 acres or less.

OWNER'S CERTIFICATE:

The undersigned Owner(s) and/or Proprietor(s) do hereby freely consent to all the foregoing and hereby represent that I/we am/are authorized to so act, and to grant all additional easement(s), and to dedicate all additional right of way(s) as shown hereon. Said owner(s) and/or proprietor(s) hereby grants public utility easements as shown hereon.

OWNER:

CITY OF ALBUQUERQUE
A Municipal Corporation

Arthur A. Blumenfeld
Chief Administrative Officer

Date

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) SS

On this _____ day of _____, 1991, the following instrument was acknowledged before me, a Notary Public, by Arthur A. Blumenfeld, Chief Administrative Officer for the City of Albuquerque, New Mexico, a Municipal Corporation, on the behalf of said Municipal Corporation.

MY COMMISSION EXPIRES _____ NOTARY PUBLIC _____

TRACT A
MUNICIPAL ADDITION NO. 18

A SUBDIVISION OF THE CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
OCTOBER 1991

APPROVED AND ACCEPTED BY:

SUBDIVISION CASE NO. _____

Planning Director, City of Albuquerque	Date
City Engineering Division, City of Albuquerque	Date
Albuquerque Metropolitan Arroyo Flood Control Authority	Date
Traffic Division, City of Albuquerque	Date
Water Utilities Division, City of Albuquerque	Date
Parks and Recreation Department, City of Albuquerque	Date
City Surveyor, City of Albuquerque	Date
Real Property, City of Albuquerque	Date
County Treasurer, Bernalillo County	Date
Public Service Company of New Mexico	Date
Gas Company of New Mexico	Date
U.S. West	Date
Jones InterCable	Date

SURVEYOR'S CERTIFICATION

"I, Bernard W. Seitz, Jr., do hereby certify specifically, and only to the owner, the City of Albuquerque, New Mexico, a field survey, under my supervision, was made on the ground using the normal standard of care of Professional Land Surveyors practicing in the State of New Mexico on this date. The field survey was made for the purpose of platting. All notes shown hereon are a part of this certification and this map accurately depicts the results of said survey. I further certify that this plat meets the minimum requirements for monumentation of the City of Albuquerque Subdivision Ordinance and the "New Mexico Minimum Standards for Land Surveying, November 1989."

Bernard W. Seitz, Jr., NMPS No. 8478
Project Surveyor
P.C.S. Job No. 91-74

SHEET 1 OF 3

JOB NO. 91-74	OFFICE HWS	DRAFT HWS	FILED BK 103	DATE 10/1/91
IPCS PROFESSIONAL CONTRACTING SERVICES SURVEYING • TECHNICAL • PLANNING • SERVICE 2705 JUAN TABO NE • ALBUQUERQUE, N.M. 87112 • 294-2609				

TRACT A
MUNICIPAL ADDITION NO. 18

A SUBDIVISION OF THE CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
OCTOBER 1991

PUBLIC UTILITY EASEMENT (S)

Said Owner hereby grants public utility easement(s) as shown hereon and granted for the common, joint use and benefit of:

- The Public Service Company of New Mexico for the installation, maintenance, and service of overhead and underground electrical lines, transformers, poles and any other equipment, fixtures, structures and related facilities reasonably necessary to provide electrical service.
- U.S. West for the installation, maintenance and service of all buried and aerial communication lines and other related equipment and facilities reasonably necessary to provide communication services, including but not limited to above ground pedestals and closures.
- Jones InterCable for the installation, maintenance, and service of such lines, cable, and other related equipment and facilities reasonably necessary to provide Cable TV service.
- Gas Company of New Mexico for installation, maintenance, and service of natural gas lines, valves and other equipment and facilities reasonably necessary to provide natural gas. Included is the right to build, rebuild, construct, reconstruct, locate, relocate, change, remove, modify, renew, operate, and maintain facilities for the purposes described above, together with free access to, from, and over said easements, including sufficient working area space for electric transformers, with the right and privilege to trim and remove trees, shrubs or bushes which interfere with the purposes set forth herein. No building, sign, pool (above ground or subsurface), hot tub, concrete or wood pool decking, or other structure shall be erected or constructed on said easements, nor shall any well be drilled or operated thereon. Property owners shall be solely responsible for correcting any violations of National Electrical Safety Code caused by construction or pools, decking, or any structures adjacent to, within, or near easements shown on this plat.

UTILITY DISCLAIMER

By approving this Plat, PNM does NOT waive or release any easement or easement rights (other than as shown on this Plat) which may have been granted by prior plat, replat, or document.

SURVEY DATA:

- Number of Tracts Created: 1
- Gross Subdivision Acreage: 3.8143 Acres
 Vacated Right of Way: 0.0607 Acres
 Dedicated Right of Way: 0.1270 Acres
 Net Subdivision Acreage (Tract A): 3.6873 Acres
- Date of Survey: September, 1991
- Bearings are New Mexico State Plane Grid Bearings (Central Zone).
- Distances are ground distances.
- Unless otherwise indicated, all boundary corners marked with a closed "●" are set 5/8" rebar with yellow plastic cap marked "LS 8478".
- Bearings and distances shown in parenthesis are record.
- Plat shows all easements of record.
- Boundary based on an actual field survey and the following record documents:

- CONCEPCION ARMIJO ADDITION, filed April 23, 1937, Book D1 folio 80.
- Corrected Plat of TR. "A" & TR. "B" OF THE GUELFY BROTHERS LAND DIVISION, filed December 15, 1986 in Book C32 folio 88.
- LAND OF RUBY GUIDI, BEING TRACT 55, M.R.G.C.D. MAP 40, filed August 28, 1980 in Book C17 folio 54.
- EASTERN ADDITION, filed May 31, 1882 in Book C1 folio 171.
- LEWIS & SIMONDS ADDITION, filed March 24, 1881 in Book C folio 3.
- N. T. ARMIJO ADDITION No. 2, filed February 14, 1882 in Book C3 folio 27.
- Real Estate Contract for Tracts 63A1, 63A2A, 63A2B, 63B1 and 63B2 as shown on M.R.G.C.D. Property Map 40, situate within Section 20, T10N, R3E, Bernalillo County, New Mexico, filed in the office of the County Clerk of Bernalillo County, New Mexico on February 12, 1988 in Book Ms 588A, pg 329-333 (Doc. No. 8812480).
- Quit Claim Deed for Tract No. 82-A-1-B, M.R.G.C.D. Map No. 40, filed in the office of the County Clerk of Bernalillo County, New Mexico on August 12, 1968 in Book D-848, pg. 362 (Doc. No. 2604362).
- Real Estate Contract for Tract 67-A and the Northerly Portion of Tract 66-A-1-A on Amended Map No. 40, M.R.G.C.D. filed in the office of the County Clerk of Bernalillo County, New Mexico on September 29, 1972 in Book Misc 279, pg. 960-964 (Doc. No. 12293960).
- Quit Claim Deed for Parcel No. 5262-1, being and comprising Tract 66-b-1-b as shown on the Middle Rio Grande Conservancy District Property Map No. 40, filed in the office of the County Clerk of Bernalillo County, New Mexico on January 22, 1974, Book D956, folio 283, (Doc. No. 90756283).
- Quit Claim Deed for the westerly portion of Tract 66-b-1-b, Map 40, MRGCD, filed in the office of the County Clerk of Bernalillo County, New Mexico on June 25, 1976, in volume D9A, folio 159 (Doc. No. 763385).
- Quit Claim Deed for an undesignated tract of property (Tract 66-B2), filed in the office of the County Clerk of Bernalillo County, New Mexico on April 14, 1973 in volume D94a, folio 966 (Doc. No. 4781966).

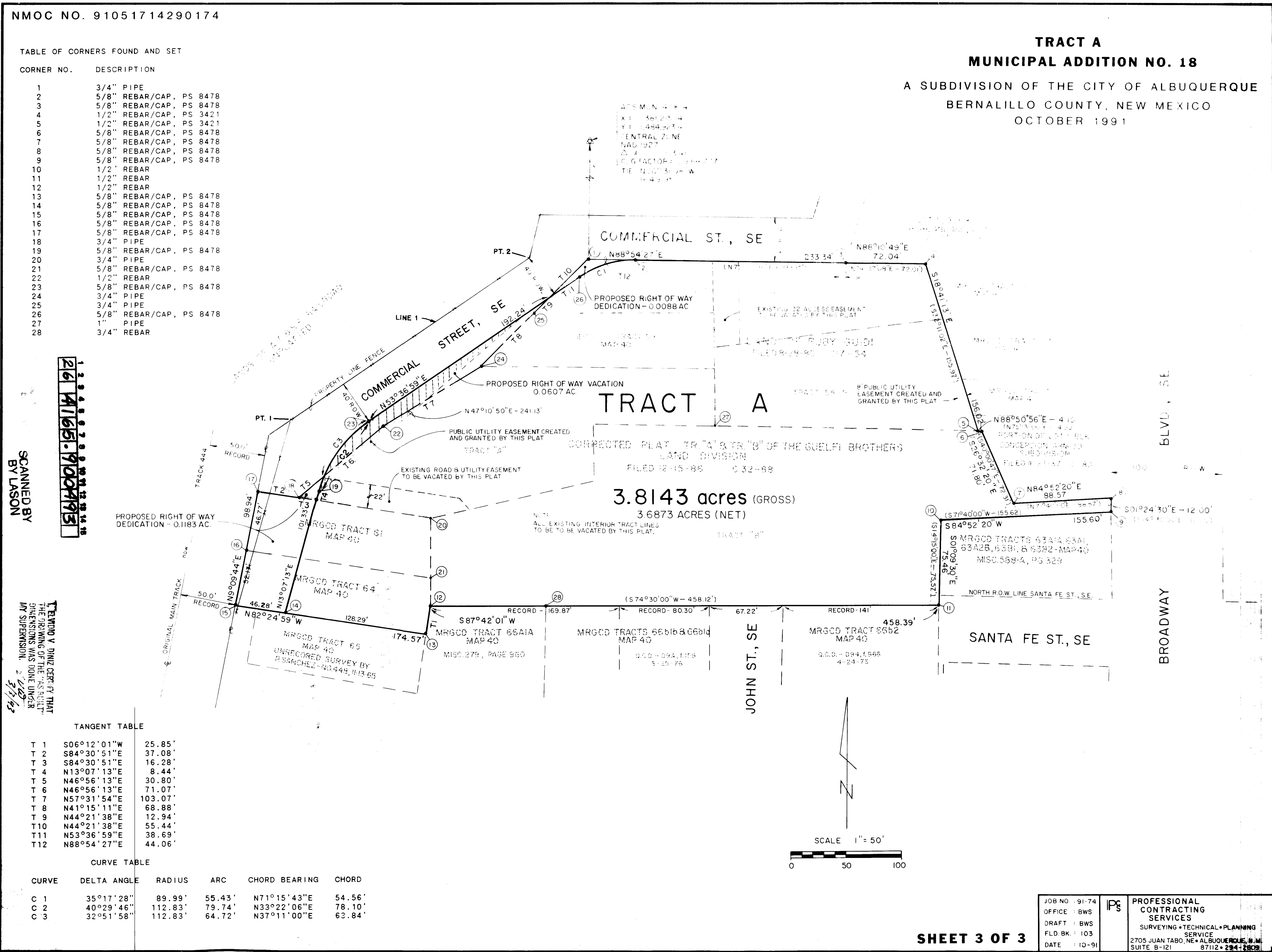
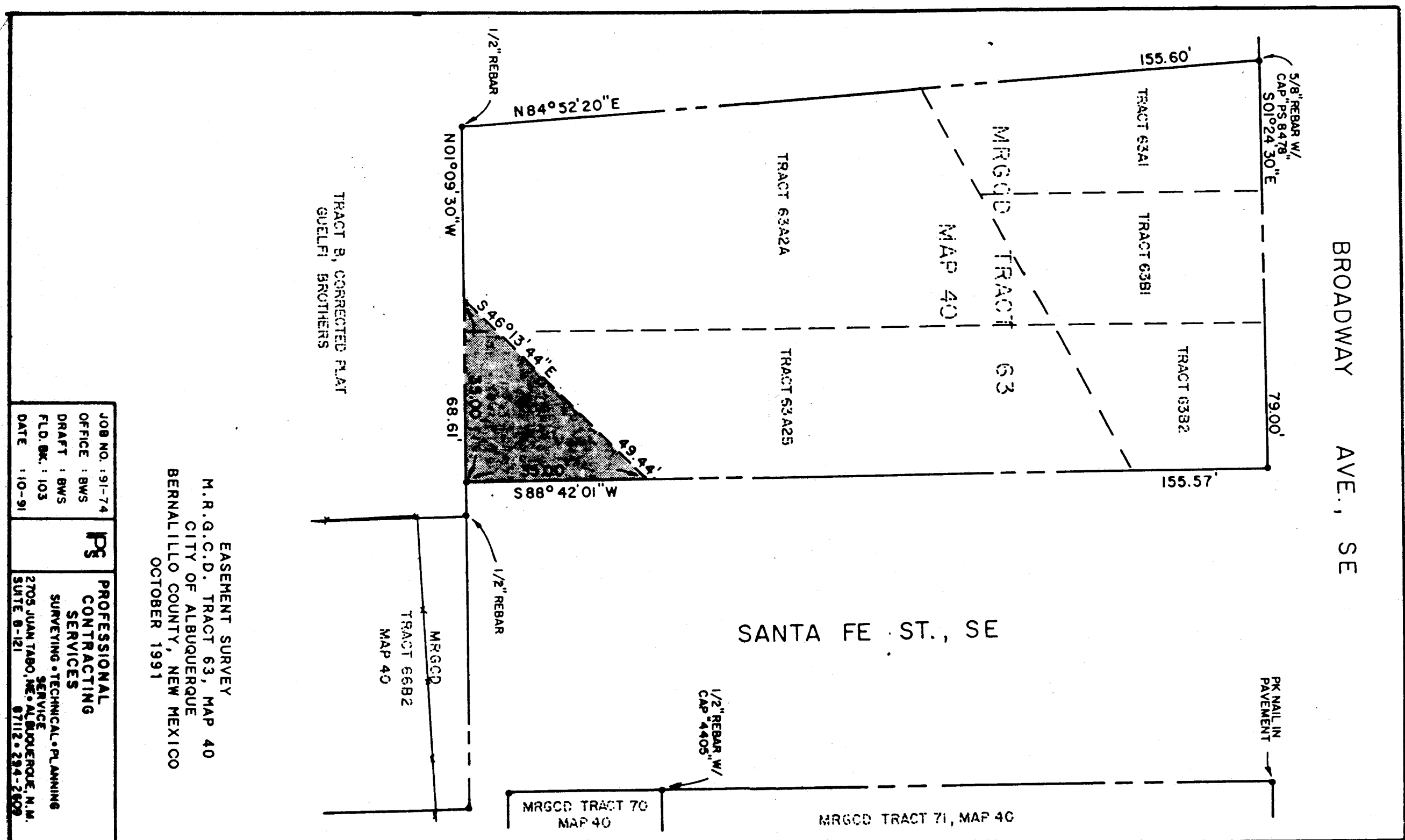
- The following unrecorded documents were also used to evaluate the herein described boundary:
 - Assessment records for properties located in the office of the County Assessor at Bernalillo County, New Mexico.
 - An unrecorded survey of Tract No. 44 of the M.R.G.C.D. Map No. 40, dated September 1974 but filed in the office of the County Clerk of Bernalillo County, New Mexico on October 1, 1974.
 - An unrecorded survey of Tract No. 44 of the M.R.G.C.D. Map No. 40, dated November 1974 but filed in the office of the County Clerk of Bernalillo County, New Mexico on December 1, 1974.
 - Right of Way Map showing the right of way of the A.T. & S.F. Railroad.
 - Title Policy Commitment provided by the City of Albuquerque Real Property Department.
 - Mapping Records of the Middle Rio Grande Conservancy District.

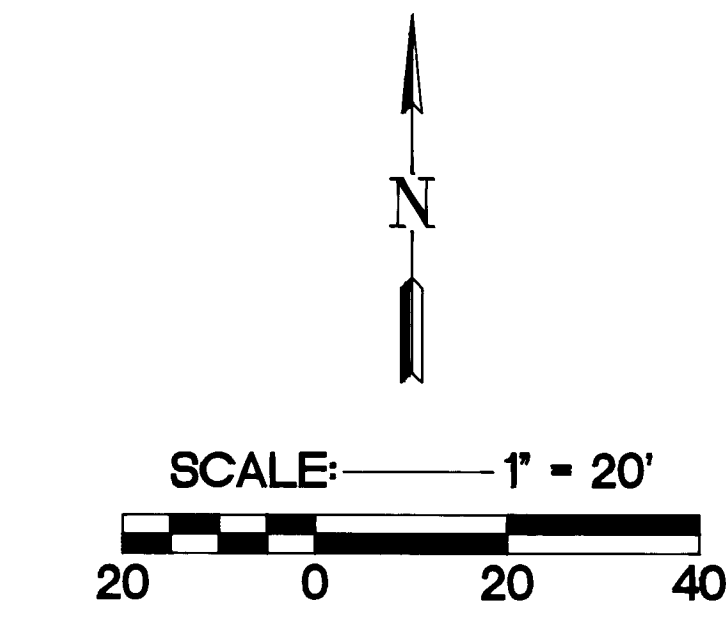
Bearings shown hereon are based on the New Mexico State Plane Grid System, Central Zone.

Field work was performed by Bernard W. Seitz, Jr., NMPS No. 8478.

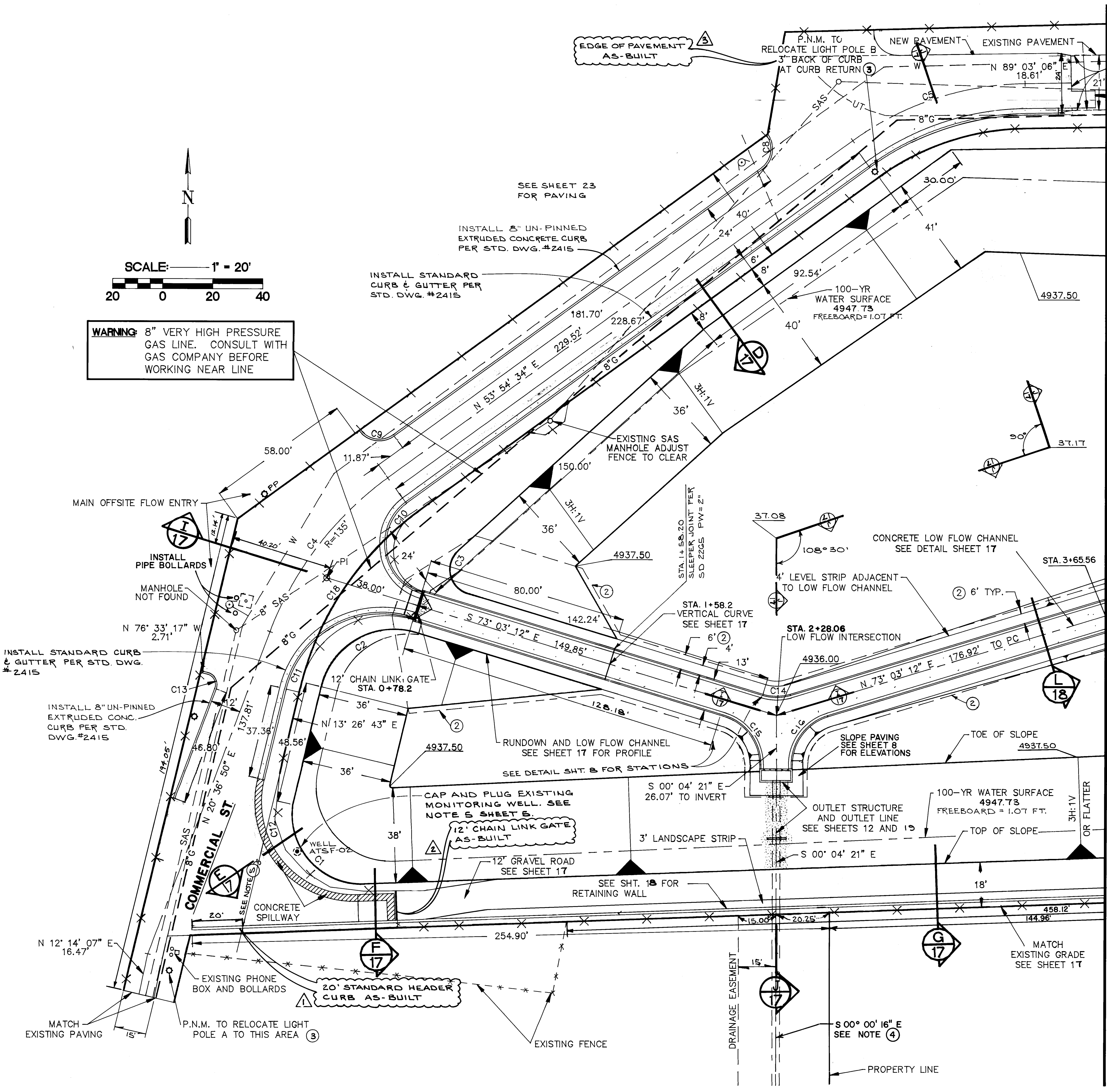
SHEET 2 OF 3

IPCS PROFESSIONAL CONTRACTING SERVICES SURVEYING • TECHNICAL • PLANNING • SERVICE 2705 JUAN TABO NE • ALBUQUERQUE, N.M. 87112 • 294-2609				
---	--	--	--	--





WARNING: 8" VERY HIGH PRESSURE GAS LINE. CONSULT WITH GAS COMPANY BEFORE WORKING NEAR LINE



MATCH LINE SEE SHEET 7

- KEYED NOTES**
1. BEARINGS AND DISTANCES THIS SHEET ARE PROJECT BEARINGS AND DISTANCES. SEE SHEET 5 FOR CORRELATION BETWEEN PROJECT AND PLAT SYSTEMS.
 2. OVEREXCAVATE, DEEP WET, AND CONSOLIDATE PER SUPPLEMENTAL SPECIFICATIONS AND DETAIL SHEET 17. COMPACT BACKFILL AND EMBANKMENT TO 95% ASTM D-1557.
 3. ONLY NEW LOCATIONS FOR LIGHT POLES SHOWN THIS SHEET. SEE SITE & REMOVAL PLAN FOR EXISTING LOCATIONS.
 4. THE INTENT IS TO DIRECT THE CENTERLINE OF THE OUTLET PIPE TO 23 FT WEST OF THE FENCE AT THE EAST PROPERTY LINE AT WILLIAM ST. (+7 FT EAST OF CENTERLINE)
 5. PROPERTY LINE SHOWN SOUTH OF PC FOR CURVE C12 FOR INFORMATION ONLY. DO NOT BUILD ON THIS LINE.
 6. BUILD FENCE ON PROPERTY LINE EXCEPT AS OTHERWISE SHOWN.

CURVE TABLE
CURVE RADIUS GIVEN AT FACE OF CURB

CURVE	ARC LENGTH	DELTA ANGLE	RADIUS	CHORD LENGTH
C1	48.73'	96°43'12"	28.00'	42.81'
C2	48.96'	93°30'05"	30.00'	43.70'
C3	21.09'	120°49'17"	10.00'	17.39'
C4	78.45'	33°17'44"	135.00'	77.35'
C5	73.60'	35°08'32"	120.00'	72.45'
C8	15.71'	90°01'17"	10.00'	14.14'
C9	15.73'	90°08'22"	10.00'	14.16'
C10	46.12'	126°57'45"	20.81'	37.25'
C11	66.42'	95°08'43"	40.00'	59.05'
C12	68.52'	105°34'57"	37.18'	59.23'
C13	8.48'	97°10'04"	5.00'	7.50'
C14	11.24'	33°53'36"	19.00'	11.08'
C15	29.32'	72°58'50"	23.02'	27.38'
C16	29.07'	73°07'34"	22.78'	27.14'
C17	140.33'	58°46'42"	134.50'	134.05'
C18	86.87'	40°27'51"	123.00'	85.07'

Resource Technology, Inc.
ENGINEERS & ARCHITECTS
2700 CHANDLER AVE. SUITE 200, ALBUQUERQUE, NEW MEXICO 87113
TELEPHONE: (505) 345-3115

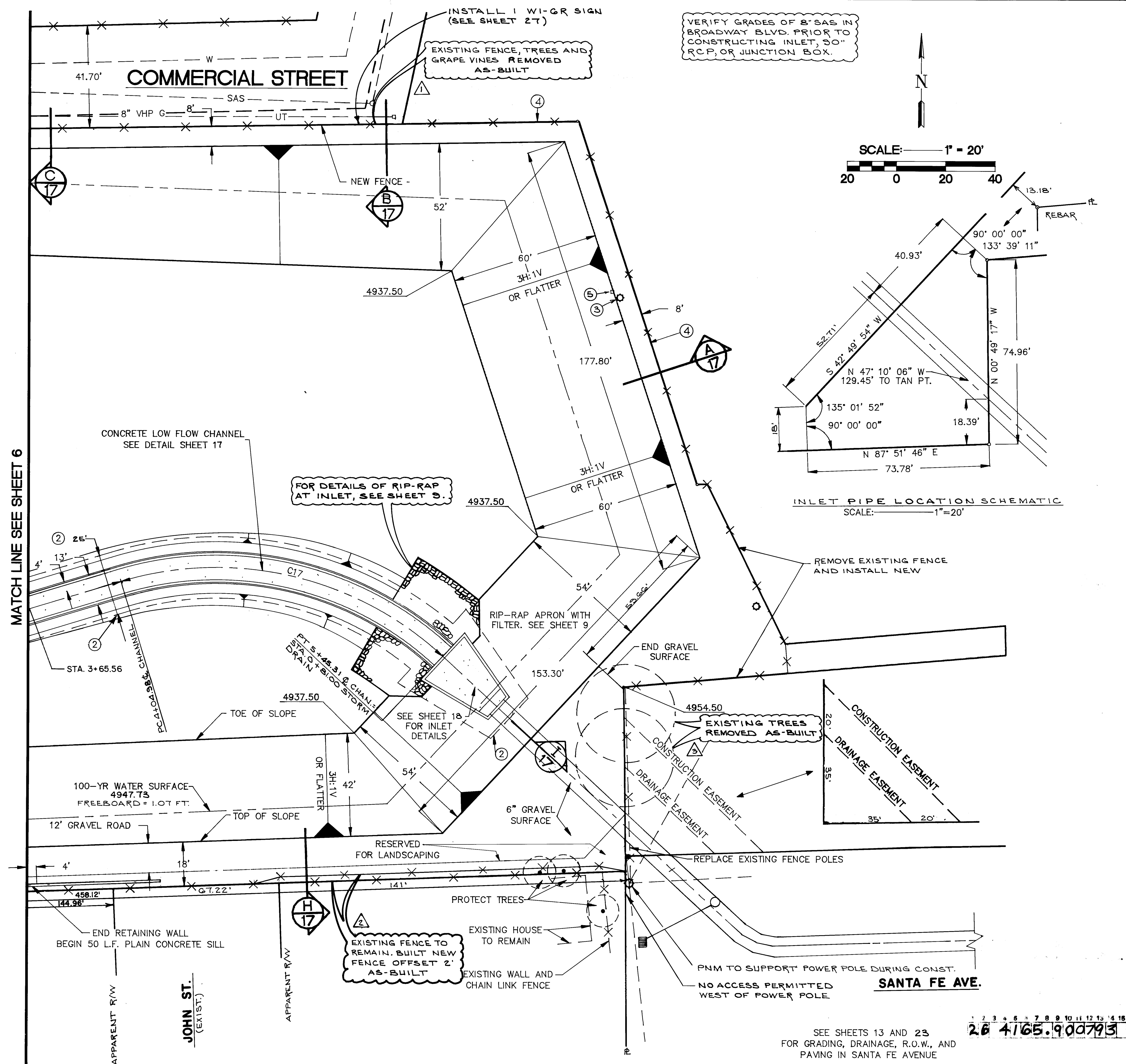
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: DETENTION BASIN LAYOUT - WEST HALF

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	[Signature]	2-5-92	WATER	[Signature]	1-31-92
TRANSPORT.	[Signature]	1-22-92	WASTE WATER	[Signature]	"
HYDROLOGY	[Signature]	1-12-92			

PROJECT NO.	MAP NO.	SHEET OF
4165.90	K-14, L-14	6 34

SCANNED BY LASON



KEYED NOTES

- BEARINGS AND DISTANCES THIS SHEET ARE PROJECT BEARINGS AND DISTANCES. SEE SHEET 5 FOR CORRELATION BETWEEN PROJECT AND PLAT SYSTEMS.
- OVEREXCAVATE, DEEP WET, AND CONSOLIDATE PER SUPPLEMENTAL SPECIFICATIONS AND DETAIL SHEET 17. COMPACT BACKFILL AND EMBANKMENT TO 95% ASTM D-1557.
- IF EXISTING POWER POLE IS NOT WITHIN (NEW 8') EASEMENT PNM TO RELOCATE IT.
- REMOVE EXISTING FENCE AND BUILD NEW FENCE ON PROPERTY LINE.
- TELEPHONE COMPANY TO RELOCATE PHONE BOX AND UNDERGROUND LINE TO NEW UTILITY EASEMENT. *** COORDINATE WITH CONTRACTOR AND ROUTE TO ACCOMMODATE LANDSCAPING SHOWN ON LANDSCAPE PLAN. CLEARLY & DURABLY MARK NEW LOCATION. ***

STATIONING EQUIVALENCE
LOW FLOW CHANNEL STATION 5 + 45.51
INLET PIPE STATION 0 + 81.00

AS BUILT INFORMATION

CONTRACTOR	NEW CASTLES, INC.	DATE	
INSPECTOR	BY C.O.A.	DATE	
ADJUSTED	BY DATE	DATE	
VERIFICATION	BY DATE	DATE	
CORRECTION	BY DATE	DATE	

BENCH MARKS

AN ACS CONTROL CAP 9-L14 LOCATED AT THE INTERSECTION OF BROADWAY AND STADIUM	DATE	
X=381,804.60 Y=1,480,772.92 ELEV=4961.11	DATE	
AN ACS BENCHMARK 15-K14 LOCATED AT THE INTERSECTION OF BROADWAY AND PACIFIC	DATE	
ELEV=4957.597	DATE	
AN ACS BENCHMARK 14-K14 LOCATED AT THE INTERSECTION OF BROADWAY AND HAZELDINE	DATE	
ELEV=4965.108	DATE	

SURVEY INFORMATION

FIELD NOTES	DATE	
BY	DATE	
1 RESOURCE	4/91	
TECHNOLOGY, INC	7/91	

ENGINEER'S SEAL

I, ELWOOD V. GIMZ CERTIFY THAT THE DRAWING OF THE "AS BUILT" DIMENSIONS HAS BEEN DONE UNDER MY SUPERVISION.

CURVE TABLE
CURVE RADIUS GIVEN AT FACE OF CURB

CURVE	ARC LENGTH	DELTA ANGLE	RADIUS	CHORD LENGTH
C1	48.73'	99° 43' 12"	28.00'	42.81'
C2	48.96'	93° 30' 05"	30.00'	43.70'
C3	21.09'	120° 49' 17"	10.00'	17.39'
C4	78.45'	33° 17' 44"	135.00'	77.35'
C5	73.60'	35° 08' 32"	120.00'	72.45'
C8	15.71'	90° 01' 17"	10.00'	14.14'
C9	15.73'	90° 08' 22"	10.00'	14.16'
C10	48.12'	126° 57' 45"	40.81'	37.25'
C11	68.42'	95° 08' 43"	40.00'	59.05'
C12	68.52'	105° 04' 57"	37.18'	59.23'
C13	8.48'	97° 10' 04"	5.00'	7.50'
C14	11.24'	33° 53' 38"	19.00'	11.08'
C15	29.32'	72° 58' 50"	23.02'	27.38'
C16	29.07'	73° 07' 34"	22.78'	27.14'
C17	140.33'	59° 46' 42"	134.50'	134.05'
C18	86.87'	40° 27' 51"	123.00'	85.07'

Resource Technology, Inc.
ENGINEERS & ENVIRONMENTAL SCIENTISTS
2129 OLINA NE - SUITE 200, ALBUQUERQUE, NEW MEXICO 87113
TELEPHONE - (505) 345-3115

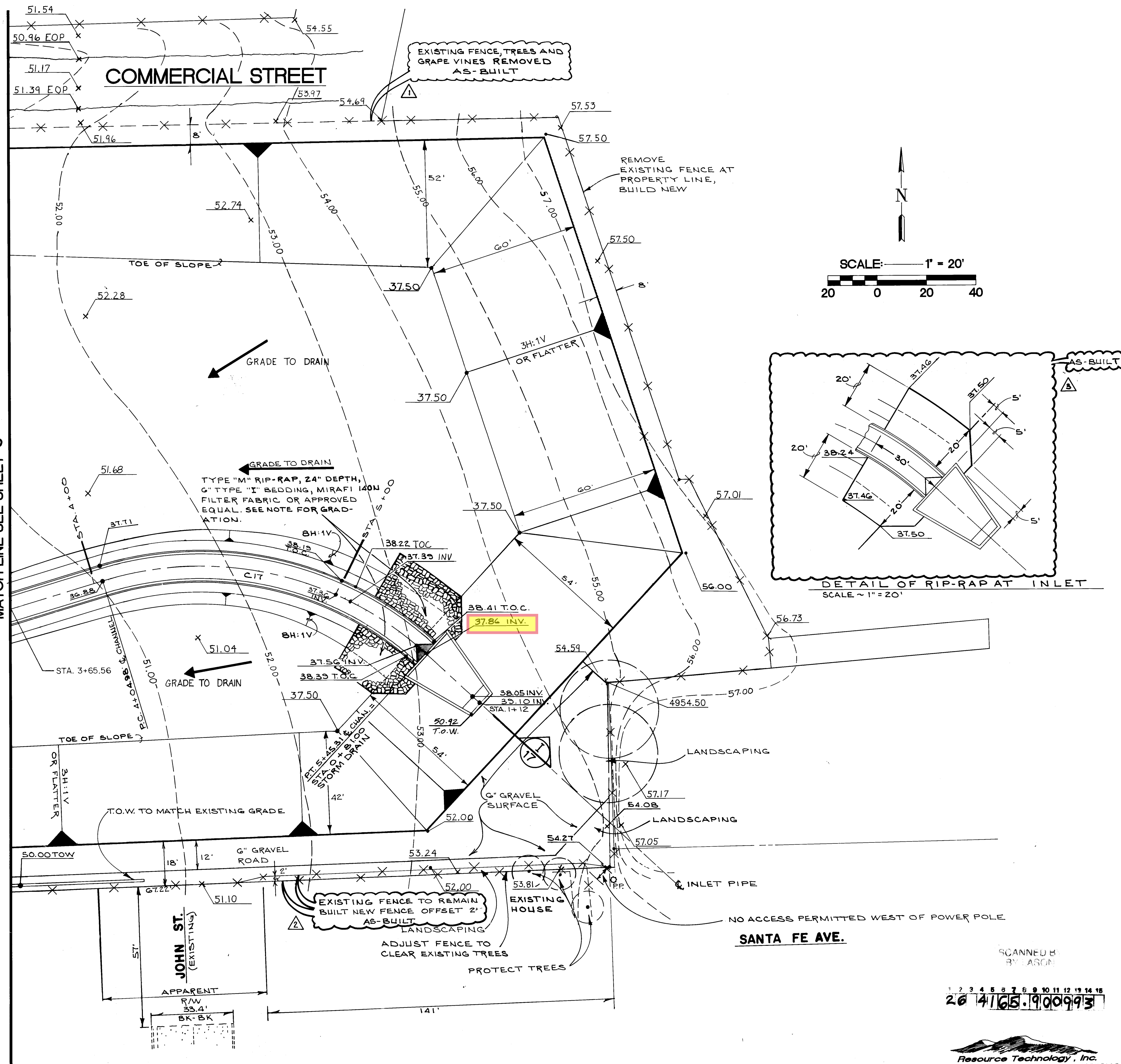
**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP**

TITLE: DETENTION BASIN LAYOUT - EAST HALF

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	Randy D. Dean	2-5-92	WATER	W.D. Dean	1-31-92
TRANSPORT.	Randy D. Dean	1-22-92	WASTE WATER	W.D. Dean	"
HYDROLOGY	Randy D. Dean	2-12-92			

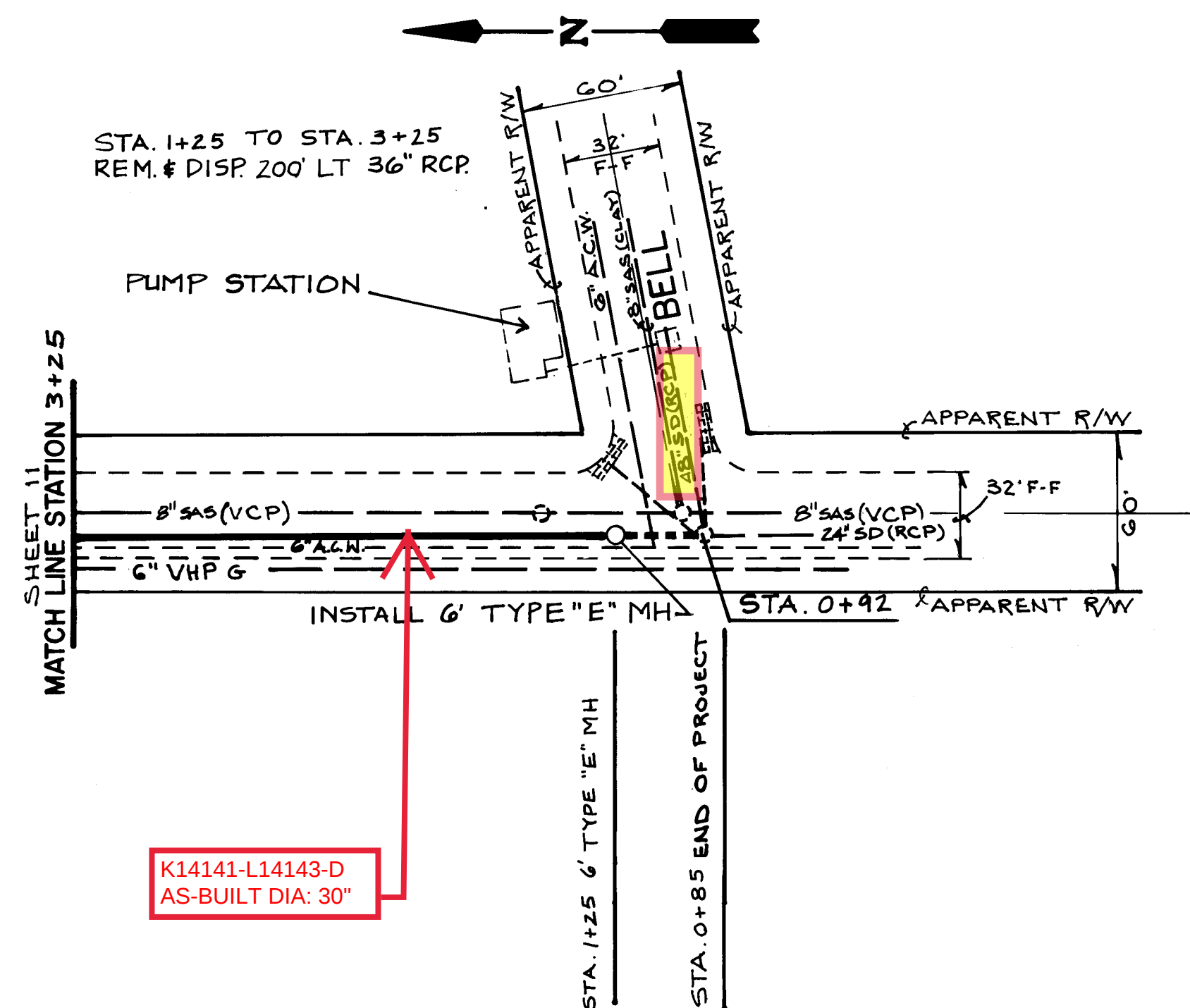
PROJECT NO. **4165.90** MAP NO. **K-14, L-14** SHEET OF **7 34**

MATCH LINE SEE SHEET 8

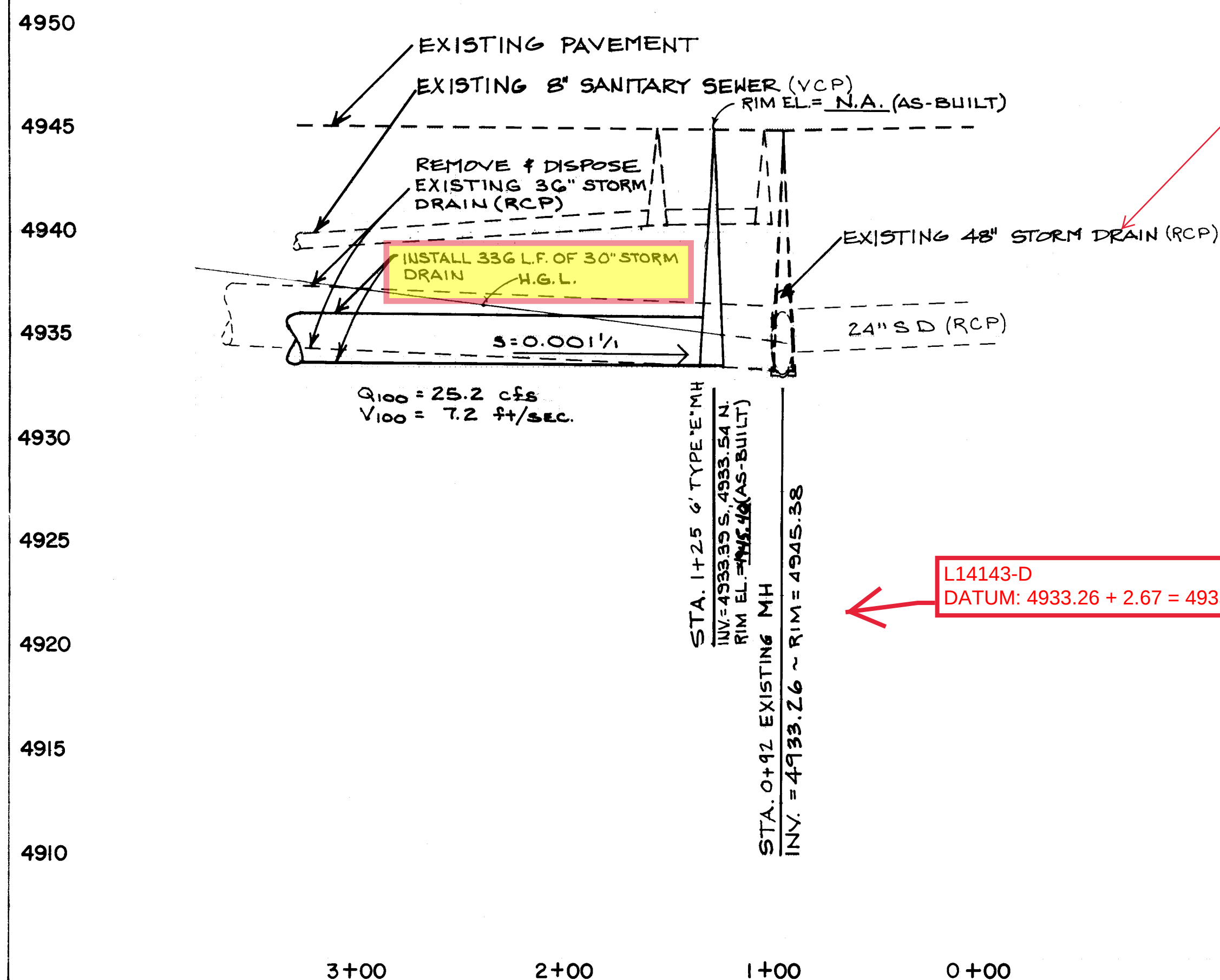
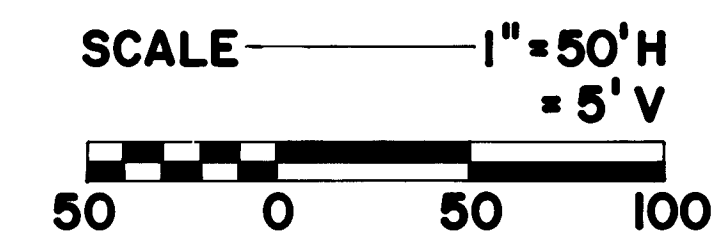


SCANNED BY LARON
26 4165.900993
Resource Technology, Inc.
ENGINEERS & ENVIRONMENTAL SCIENTISTS
2109 GORDON RD. - SUITE 200, ALBUQUERQUE, NEW MEXICO 87113
TELEPHONE - (505) 345-3115

NOTE					
ELEVATIONS XX OR XX.YY ARE MSL ELEVATION 49XX OR 49XX.YY EG: 57.50 IS MSL 4957.50.					
BEARINGS AND DISTANCES THIS SHEET ARE PROJECT BEARINGS AND DISTANCES. SEE SHEET 5 FOR CORRELATION BETWEEN PROJECT AND PLAT SYSTEMS.					
STATIONING EQUIVALENCE LOW FLOW CHANNEL STATION 5 + 45.31 INLET PIPE STATION 0 + 81.00					
BENCH MARKS AN ACS CONTROL CAP 9-114 LOCATED AT THE INTERSECTION OF BROADWAY AND STADIUM AN ACS BENCHMARK 15-K14 LOCATED AT THE INTERSECTION OF BROADWAY AND PACIFIC AN ACS BENCHMARK 14-K14 LOCATED AT THE INTERSECTION OF BROADWAY AND HAZELDINE					
SURVEY INFORMATION FIELD NOTES NO. 1 DATE 4/91 BY RESOURCE TECHNOLOGY, INC. DATE 7/91					
ENGINEER'S SEAL TICKER H. GREEN REGISTERED PROFESSIONAL ENGINEER NEW MEXICO 1-17-92					
TYPE "I" BEDDING SIEVE SIZE % BY WEIGHT PASSING SQ. MESH SIEVES 3/8 100 #4 95-100 #10 45-80 #50 10-30 #100 2-10 #200 0-2					
TYPE "M" RIP-RAP *100% OF STONES - 18" OR SMALLER 35-55% OF STONES - 12" OR SMALLER 10% OF STONES - 3" OR SMALLER * BY WEIGHT					
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: DETENTION BASIN GRADING PLAN - EAST HALF					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	Raymond	2-5-92	WATER	Raymond	1-31-92
TRANSPORT	Raymond	1-22-92	WASTE WATER	Raymond	1-22-92
HYDROLOGY	Raymond	1-17-92			
PROJECT NO.	4165.90	MAP NO.	K-14,L-14	SHEET OF	9 34



COMMERCIAL STREET



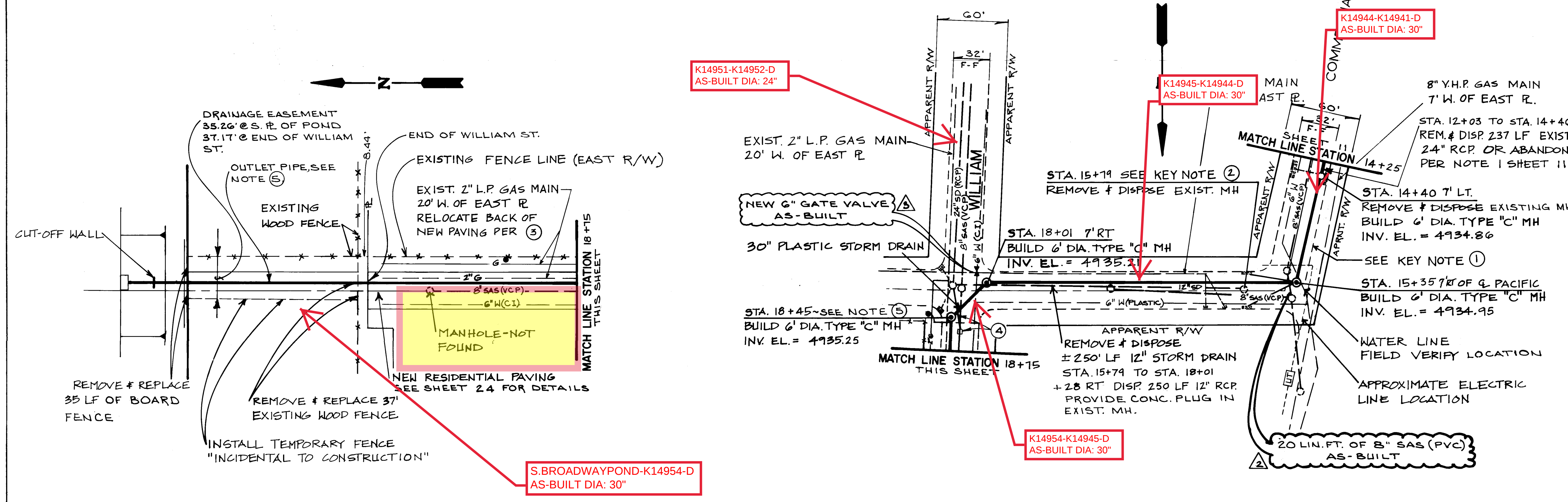
In Bell Street

L14143-D
DATUM: 4933.26 + 2.67 = 4935.93

NOTES					
1. ALL UTILITIES WITHIN THIS PROJECT SHALL REMAIN IN OPERATION UNLESS OTHERWISE INDICATED ON THE PLANS.					
2. TRENCHING: SEE THE GENERAL NOTES, SPECIFICATIONS AND SUPPLEMENTAL SPECIFICATIONS, INCLUDING SECTION 701. TRENCH BOXES, SHORING, OR OTHER SUPPORT MAY BE APPROPRIATE IN MUCH OF THIS PROJECT. BACKFILL BETWEEN A TRENCH BOX, IF USED, AND THE TRENCH WALL IS REQUIRED IN SOME LOCATIONS.					
3. LEAN FILL CONSTRUCTION PER STS SECTION 207 IS PERMITTED AT THE CONTRACTOR'S OPTION UPON AUTHORIZATION BY THE ENGINEER.					
4. SEE SHEET 16 FOR FURTHER LOCATION OF EXISTING UTILITIES.					
5. NO SIDEWALK WEST SIDE. POWER POLES NEAR BACK OF CURB WEST SIDE. DISTANCE VARIES.					
6. INTERMITTENT SIDEWALK EAST SIDE. WIDTH VARIES.					
7. EXISTING 6" WATERLINE (NO RECORD) CROSSES FROM WEST SIDE NEAR FLOWLINE TO APPROX. 8 FT EAST OF CENTERLINE BETWEEN STATIONS 3+10 AND 4+60. FIELD VERIFY LOCATION.					
8. ALL STORM DRAIN THIS SHEET TO BE PLASTIC PIPE OR CLASS III RCP (REINFORCED CONCRETE PIPE). ALL STORM DRAIN LATERALS THIS SHEET TO BE CLASS IV RCP.					
AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION	
DATE	BY	AN ACS CONTROL CAP 9-114 LOCATED AT THE INTERSECTION OF BROADWAY AND STADIUM	DATE	BY	FIELD NOTES
DATE	BY	AN ACS BENCHMARK 15-K14 LOCATED AT THE INTERSECTION OF BROADWAY AND PACIFIC	DATE	BY	NO. 1
DATE	BY	AN ACS BENCHMARK 14-K14 LOCATED AT THE INTERSECTION OF BROADWAY AND HAZELDINE	DATE	BY	REMARKS
DATE	BY	ELEV. = 4965.108	DATE	BY	DESIGN
DATE	BY		DATE	BY	NO. DATE
DATE	BY		DATE	BY	REVISIONS
DATE	BY		DATE	BY	DESIGNED BY
DATE	BY		DATE	BY	DRAWN BY
DATE	BY		DATE	BY	CHECKED BY
 Resource Technology, Inc. ENGINEERS & ENVIRONMENTAL SCIENTISTS 2720 OLGA NE - SUITE 200 ALBUQUERQUE, NEW MEXICO 87113 TELEPHONE - (505) 345-3115					
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: COMMERCIAL ST. PLAN & PROFILE					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>	2/5/92	WATER	<i>[Signature]</i>	1-31-92
TRANSPORTATION	<i>[Signature]</i>	1-22-92	WASTE WATER	<i>[Signature]</i>	
HYDROLOGY	<i>[Signature]</i>	1-17-92			
PROJECT NO.	4165.90		MAP NO.	K-14-L-4	
SHEET	10		OF	34	

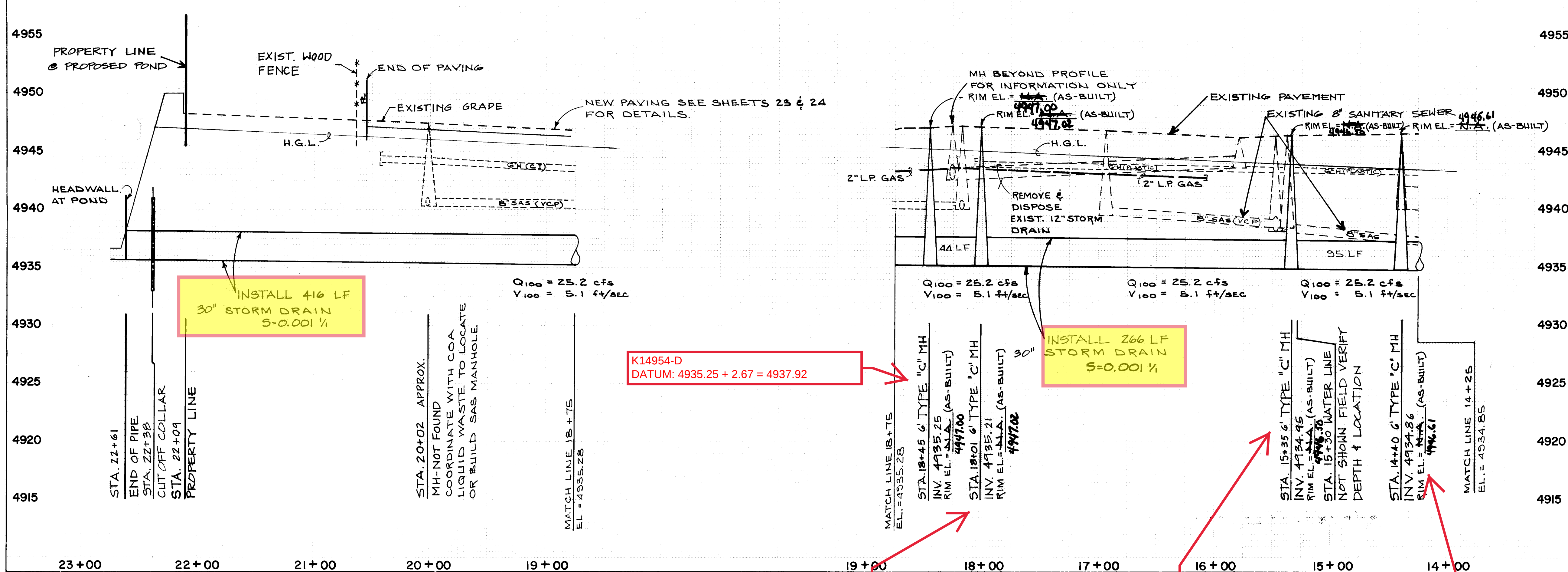
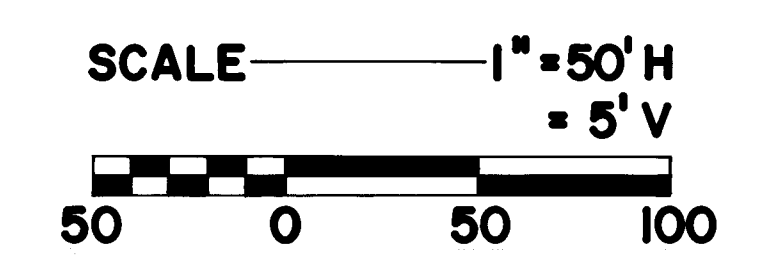
SCANNED BY
BY LASON

125076



WILLIAM STREET

PACIFIC AVENUE



K14954-D
DATUM: 4935.25 + 2.67 = 4937.92

INSTALL 266 LF
STORM DRAIN
S=0.001 %

K14945-D
DATUM: 4935.21 + 2.67 = 4937.88

K14944-D
DATUM: 4934.95 + 2.67 = 4937.62

K14941-D
DATUM: 4934.86 + 2.67 = 4937.53

KEYED NOTES

1. REM. # REP. 50' LF STD. C&G SOUTH FROM INTERSECTION ON WEST SIDE. GRADE TO DRAIN TO INLET @ STA. 14+40
2. STA. 15+79 16' LT. REM. & DISP. EXIST. INLET & 16' LF 12" LATERAL. BUILD TYPE "C" INLET & 45' LF 18" LATERAL AS SHOWN.
3. 16' RT. REM. & DISP. EXIST. INLET & 16' LF 12" LATERAL BUILD TYPE "C" INLET & 40' LF 18" LATERAL AS SHOWN.
4. BUILD TYPE "D" CATCH BASIN AND 36' LF OF 18" LATERAL. TIE TO EXISTING MANHOLE.
5. 2' OF PIPE 23' WEST OF FENCE AT EAST R. IN WILLIAM ST. (± 7' EAST OF C.)

NOTES

1. ALL UTILITIES WITHIN THIS PROJECT SHALL REMAIN IN OPERATION UNLESS OTHERWISE INDICATED ON THE PLANS.
2. TRENCHING: SEE THE GENERAL NOTES, SPECIFICATIONS AND SUPPLEMENTAL SPECIFICATIONS, INCLUDING SECTION 701.
3. TRENCH BOXES, SHORING, OR OTHER SUPPORT MAY BE APPROPRIATE IN MUCH OF THIS PROJECT. BACKFILL BETWEEN A TRENCH BOX, IF USED, AND THE TRENCH WALL IS REQUIRED IN SOME LOCATIONS.
4. LEAN FILL CONSTRUCTION PER STS. SECTION 207 IS PERMITTED AT THE CONTRACTOR'S OPTION UPON AUTHORIZATION BY THE ENGINEER.
5. SEE SHEET 16 FOR FURTHER LOCATION OF EXISTING UTILITIES.
6. NO SIDEWALK WEST SIDE OF COMMERCIAL, INTERMITTENT SIDEWALK NORTH SIDE. CONTINUOUS SIDEWALK SOUTH SIDE OF PACIFIC. SIDEWALK NORTH SIDE WEST HALF OF BLOCK ONLY. NO SIDEWALK ON WILLIAM NORTH OF CURB RETURN AT PACIFIC.
7. ALL STORM DRAIN THIS SHEET TO BE PLASTIC PIPE OR CLASS III RCP (REINFORCED CONCRETE PIPE). ALL STORM DRAIN LATERALS THIS SHEET TO BE CLASS IV RCP.



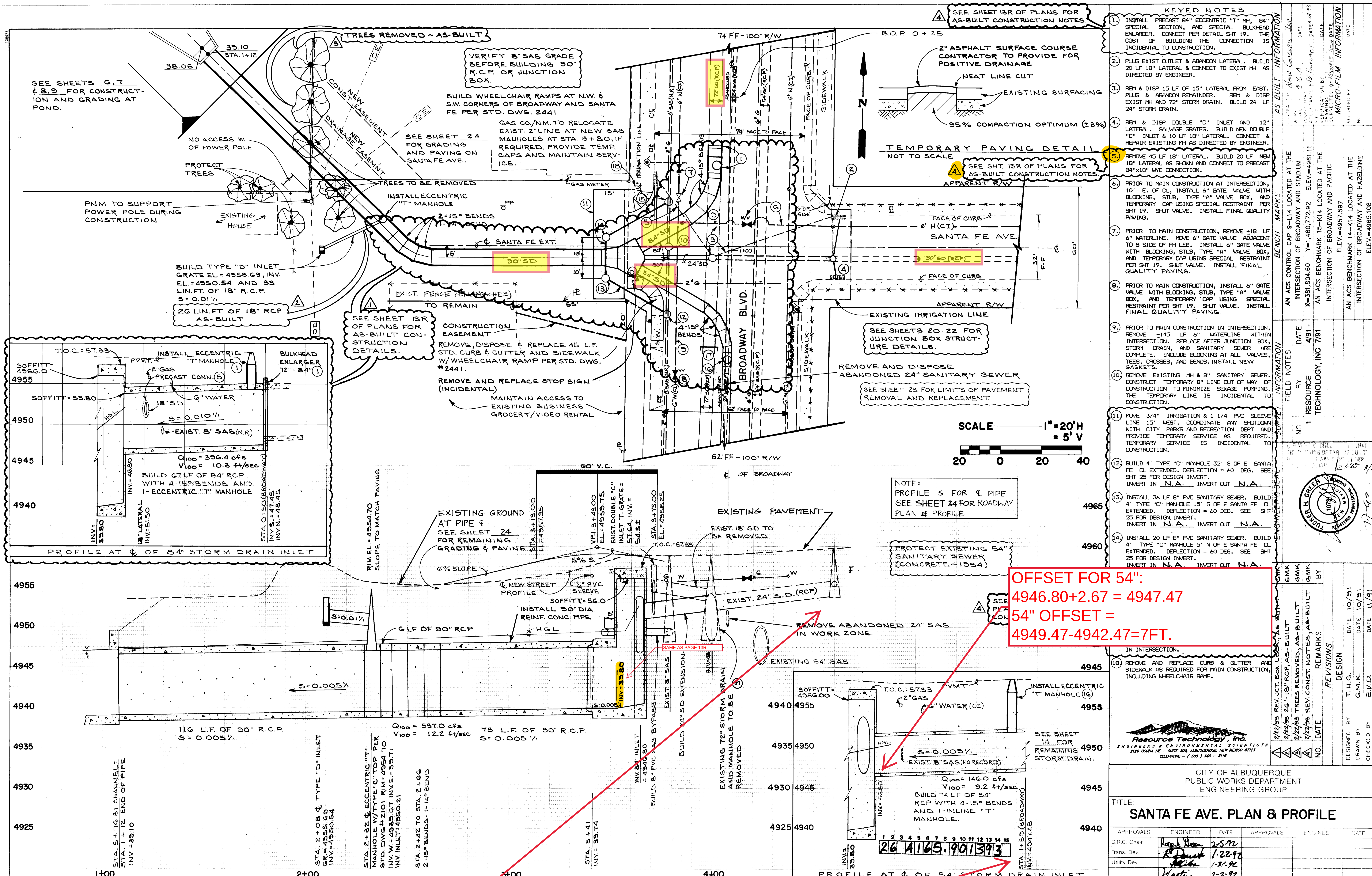
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: COMMERCIAL ST. PLAN & PROFILE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Randy Dora	2-5-92			
Trans. Dev	Donk	1-22-92			
Utility Dev	John	1-31-92			
	Justin	2-3-92			

DRAWING NO. 4165.90 MAP NO. K-14, L-14 SHEET 12 OF 34

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGNED BY		DRAWN BY		CHECKED BY	
DATE	FILE	AN ACS CONTROL CAP 9-L14 LOCATED AT THE INTERSECTION OF BROADWAY AND STADIUM	NO	DATE	BY	DATE	NO	DATE	BY	DATE	NO	DATE	NO	DATE	NO
1/22/92	1/22/92	X=381,804.60 Y=1,450,772.92 ELEV=4961.11	1	4/91	TECHNOLOGY, INC 7/91	1/22/92	1	10/91	T.H.G.	10/91	1	10/91	1	10/91	1
1/22/92	1/22/92	AN ACS BENCHMARK 15-K14 LOCATED AT THE INTERSECTION OF BROADWAY AND PACIFIC	2	7/91		1/22/92	2	11/91	E.V.D.	11/91	2	11/91	2	11/91	2
1/22/92	1/22/92	AN ACS BENCHMARK 14-K14 LOCATED AT THE INTERSECTION OF BROADWAY AND HAZELDENE	3			1/22/92	3				3				3
1/22/92	1/22/92	ELEV=4957.597	4			1/22/92	4				4				4
1/22/92	1/22/92	ELEV=4965.108	5			1/22/92	5				5				5

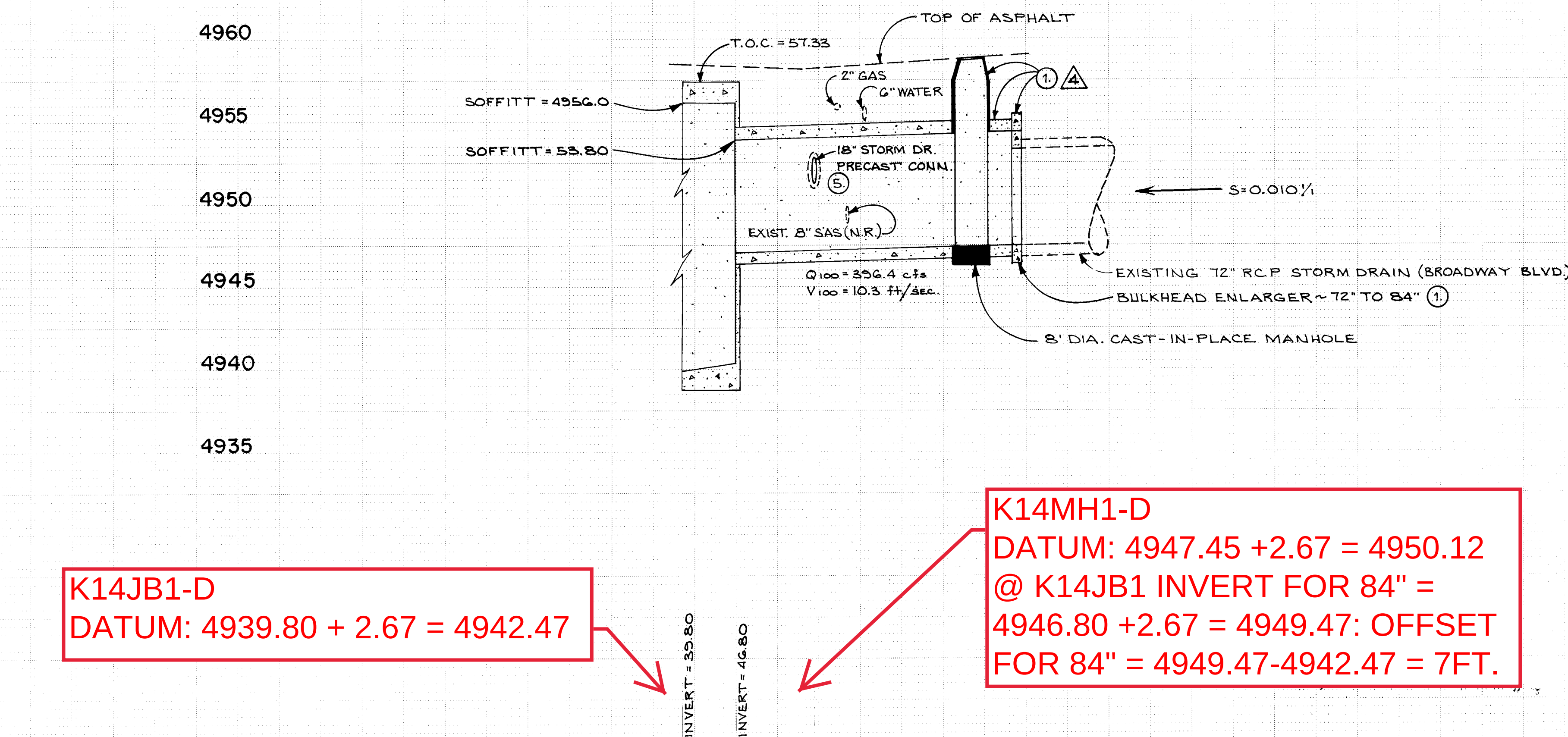


K14862-D
INVERT ESTIMATED FROM PROFILE: $4954 + 2.67 = 4956.67$
30" OFFSET = $4944 - 4942.47$

K14MH2-D
DATUM: $4947.48 + 2.67 = 4950.15$

OFFSET FOR 54":
 $4946.80 + 2.67 = 4947.47$
54" OFFSET =
 $4949.47 - 4942.47 = 7\text{FT.}$

SCANNED BY
BY LASON



DRAWING NO.	4165.90	MAP NO.	K-14, L-14	SHEET	13R	OF	35
----------------	---------	---------	------------	-------	-----	----	----

K14CRO-K14864-D
AS-BUILT DIA: 54"

Resource Technology, Inc.
ENGINEERS & ENVIRONMENTAL SCIENTISTS
2129 OSUNA NE - SUITE 200, ALBUQUERQUE, NEW MEXICO 87113
TELEPHONE - (505) 345-3115

L14071-L14GAR-D
AS-BUILT DIA: 24"

L14GAR-K14CRO-D
AS-BUILT DIA: 42"

K14961-L14061-D
AS-BUILT DIA: 72"

K14CR1-K14CRO-D
AS-BUILT DIA: 30"

K14863-K14961-D
AS-BUILT DIA: 72"

K14864-K14PAC-D
AS-BUILT DIA: 54"

K14PAC-K14MH2-D
AS-BUILT DIA: 54"

K14PL1-K14863-D
AS-BUILT DIA: 72"

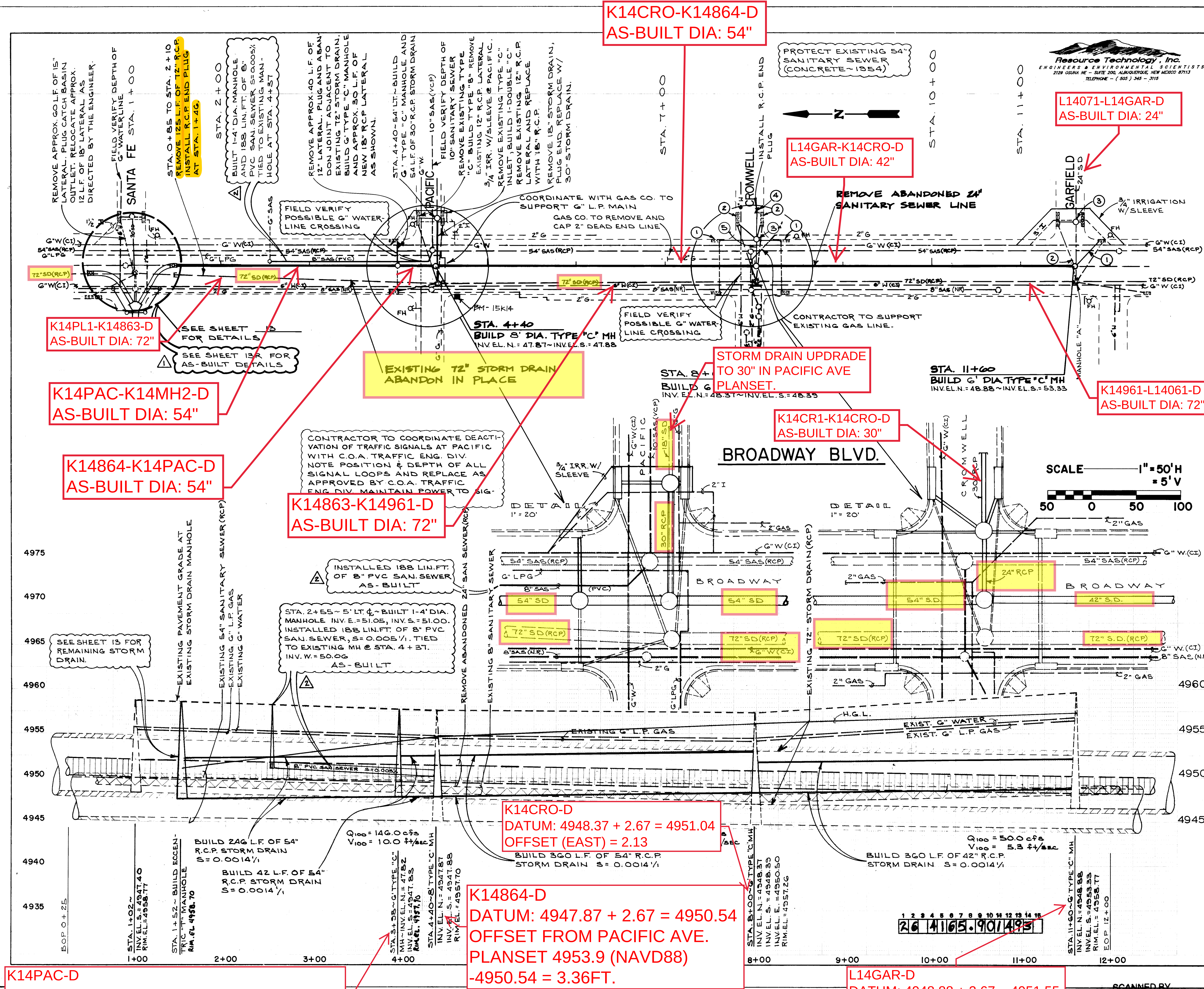
NOTES:
CROMWELL
1. PLUG EXISTING OUTLET WITH CONCRETE. RELOCATE LATERAL AS SHOWN.
2. REMOVE EXISTING TYPE "C" INLET AND LATERAL. BUILD DOUBLE "C" INLET & LATERAL. PLUG EXISTING OUTLET.
3. STA. 8+00~30' LT. BUILD 6" TYPE "C" MANHOLE 1' WEST OF FLOWLINE. INV. EL. EAST = 50.70, INV. EL. WEST = 50.64, RIM EL. =
4. BUILD 32 L.F. OF 30" R.C.P. STORM DRAIN. SLOPE = 0.024%
5. STA. 8+00~BUILD 30 L.F. OF 24" R.C.P. STORM DRAIN. SLOPE = 0.0051%
GARFIELD
1. REMOVE APPROX. 55 L.F. OF EXISTING 12" LATERAL. PLUG OUTLET & MANHOLE. RELOCATE LATERAL AS SHOWN.
2. ABANDON APPROX. 65 L.F. OF EXIST. 12" LATERAL. PLUG OUTLET & MANHOLE. RELOCATE LATERAL AS SHOWN.
3. STA. 11+60~50' LT.~BUILD 4" TYPE "C" MANHOLE IN EXIST. 24" STORM DRAIN. INV. EL. EAST = 54.65, INV. EL. WEST = 54.54 SLOPE = 0.024%
RECONSTRUCT OUTLETS BUILD 18" LATERALS AS SHOWN. RIM EL. =
GENERAL
1. CONTRACTOR TO VERIFY 24" SAS IS ABANDONED BEFORE STARTING CONSTRUCTION.
2. LOCATIONS OF CATCH BASIN CONNECTOR PIPES ARE SCHEMATIC AND APPROXIMATE. ACTUAL LOCATIONS AND SIZES MAY DIFFER FROM PLANS.
3. ALL STORM DRAIN LATERALS THIS SHEET CLASS IV R.C.P. UNLESS OTHERWISE SHOWN.
4. SUPPORT ALL UTILITIES DURING CONSTRUCTION.
5. GAS COMPANY TO MOVE GAS LINE AHEAD OF CONTRACTOR AS REQUIRED.
6. INLETS ON W. SIDE OF BROADWAY S. OF SANTA FE TO REMAIN CONNECTED TO EXISTING 72" STORM DRAIN.
7. INVERTS ON INLETS & OUTFALLS INTO MANHOLES WILL BE SET BY THE ENGINEER AFTER THE TRENCHES ARE OPENED.

LEGEND
NEW STORM DRAIN
EXISTING 72" STORM DRAIN (RCP)
EXISTING 54" SAN. SEWER (RCP)
EXISTING 24" SAN. SEWER (RCP) (ABANDONED)
EXISTING 8" SAN. SEWER (NO RECORD)

TITLE:
BROADWAY BLVD. PLAN & PROFILE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	2/25/92	2/25/92	WATER	1-31-92	
TRANSPORTATION	1/22/92	1/22/92	WASTE WATER	ADD	
HYDROLOGY	1/17/92	1/17/92			

PROJECT NO. 4165.90 MAP NO. K,L-14 SHEET 14 OF 34



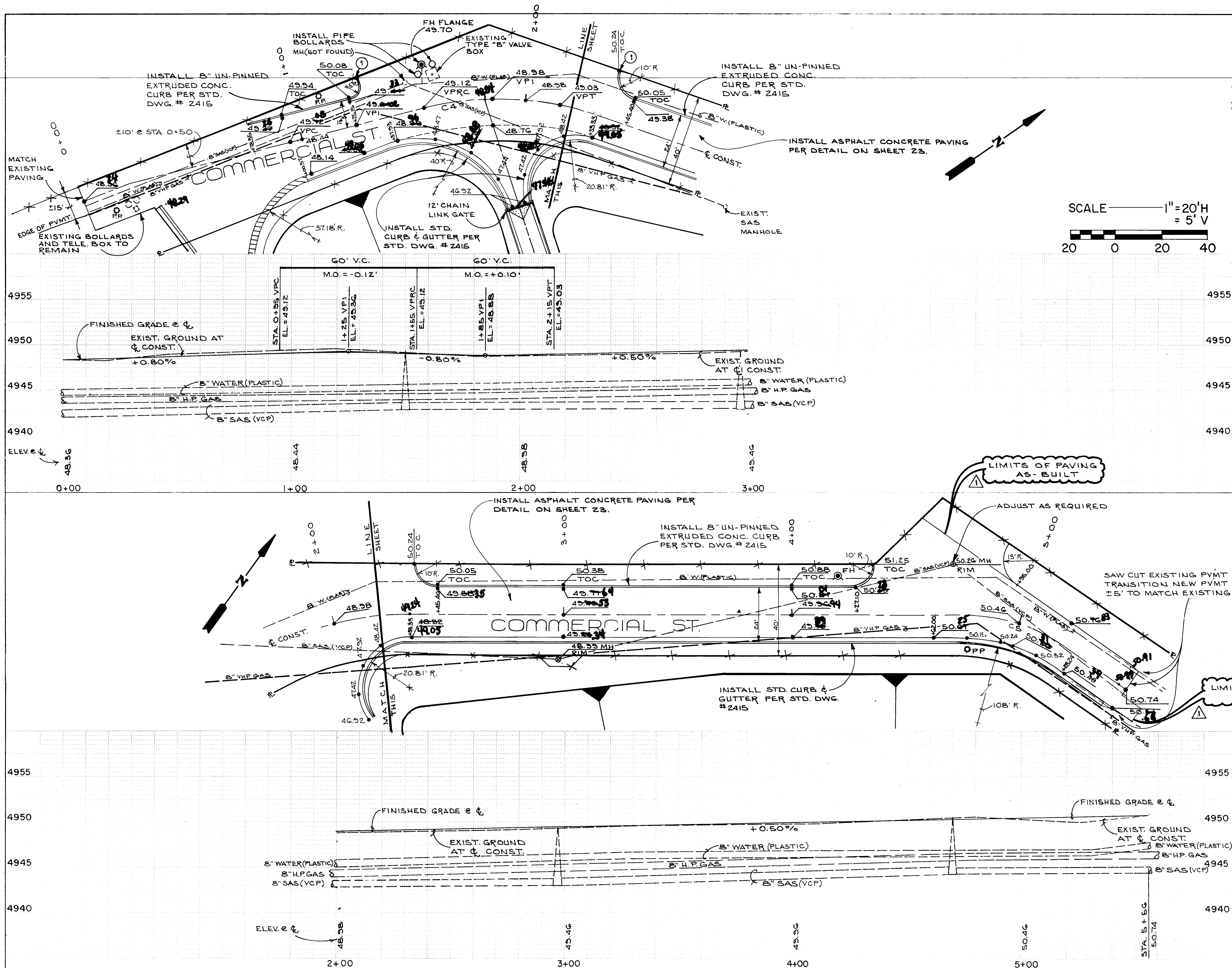
K14PAC-D
DATUM: 4947.82 + 2.67 = 4950.49

K14CRO-D
DATUM: 4948.37 + 2.67 = 4951.04
OFFSET (EAST) = 2.13

K14864-D
DATUM: 4947.87 + 2.67 = 4950.54
OFFSET FROM PACIFIC AVE.
PLANSET 4953.9 (NAVD88)
-4950.54 = 3.36FT.

L14GAR-D
DATUM: 4948.88 + 2.67 = 4951.55

SCANNED BY
BY LASON



SEE SHEET 23 FOR TYPICAL ROADWAY SECTION.

1. PLACE ASPHALT NEAR FENCE TO MAKE SMOOTH, CONTINUOUS TRANSITION TO RAILROAD YARD GRADE AND TO MAKE AN EVEN SLOPE TOWARD THE FENCE. ELEVATION OF RETURNS FOR EXTRUDED CURBS DEPEND ON FINAL ASPHALT GRADES.

2. CURVE DATA - PROJECT BEARINGS & DISTANCES

CURVE	ARC	DELTA	RADIUS	CHORD
C4	78.45	33°17'44"	135.00	77.35
C5	73.60	35°08'32"	120.00	72.45

3. INSTALL CONTINUOUS DOUBLE YELLOW LINES OF REFLECTIVE PAINTED PAVEMENT MARKING ALONG ROAD CENTERLINE FROM STATION 0+50 TO 5+56. INSTALL PER SECTION 704 OF THE CURRENT EDITION OF MMSHTD STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (GREEN BOOK).

THE INTENT IS TO BEGIN THE MARKING WHEN BOTH LANES ARE AT LEAST 10 FEET WIDE.

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS	
CONTRACT	NEW CONCRETE, INC.	AN ACS CONTROL CAP 9-L14 LOCATED AT THE INTERSECTION OF BROADWAY AND STADIUM	DATE	FIELD NOTES	DATE		G.M.K.	NO.	DATE
WORK	C.O.A.	X=381,804.60 Y=1,480,772.92 ELEV=4961.11	DATE	BY	DATE			REMARKS	DATE
FILE	10/1/91	AN ACS BENCHMARK 15-K14 LOCATED AT THE INTERSECTION OF BROADWAY AND PACIFIC	DATE	1. RESOURCE TECHNOLOGY, INC 7/91	4/91				
DATE	10/1/91	AN ACS BENCHMARK 14-K14 LOCATED AT THE INTERSECTION OF BROADWAY AND HAZELDINE	DATE						
DATE	10/1/91	ELEV=4957.597	DATE						
DATE	10/1/91	ELEV=4965.108	DATE						

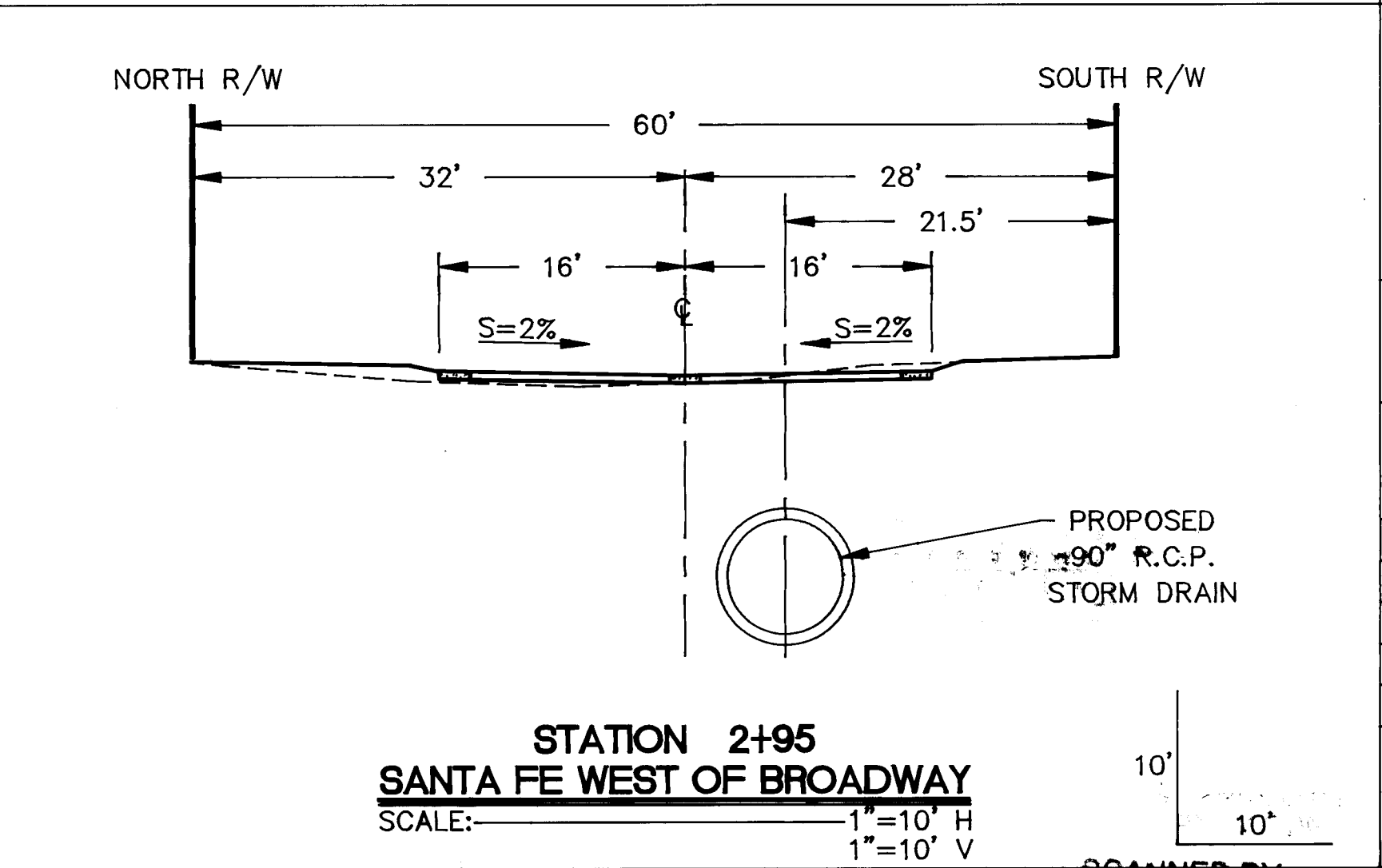
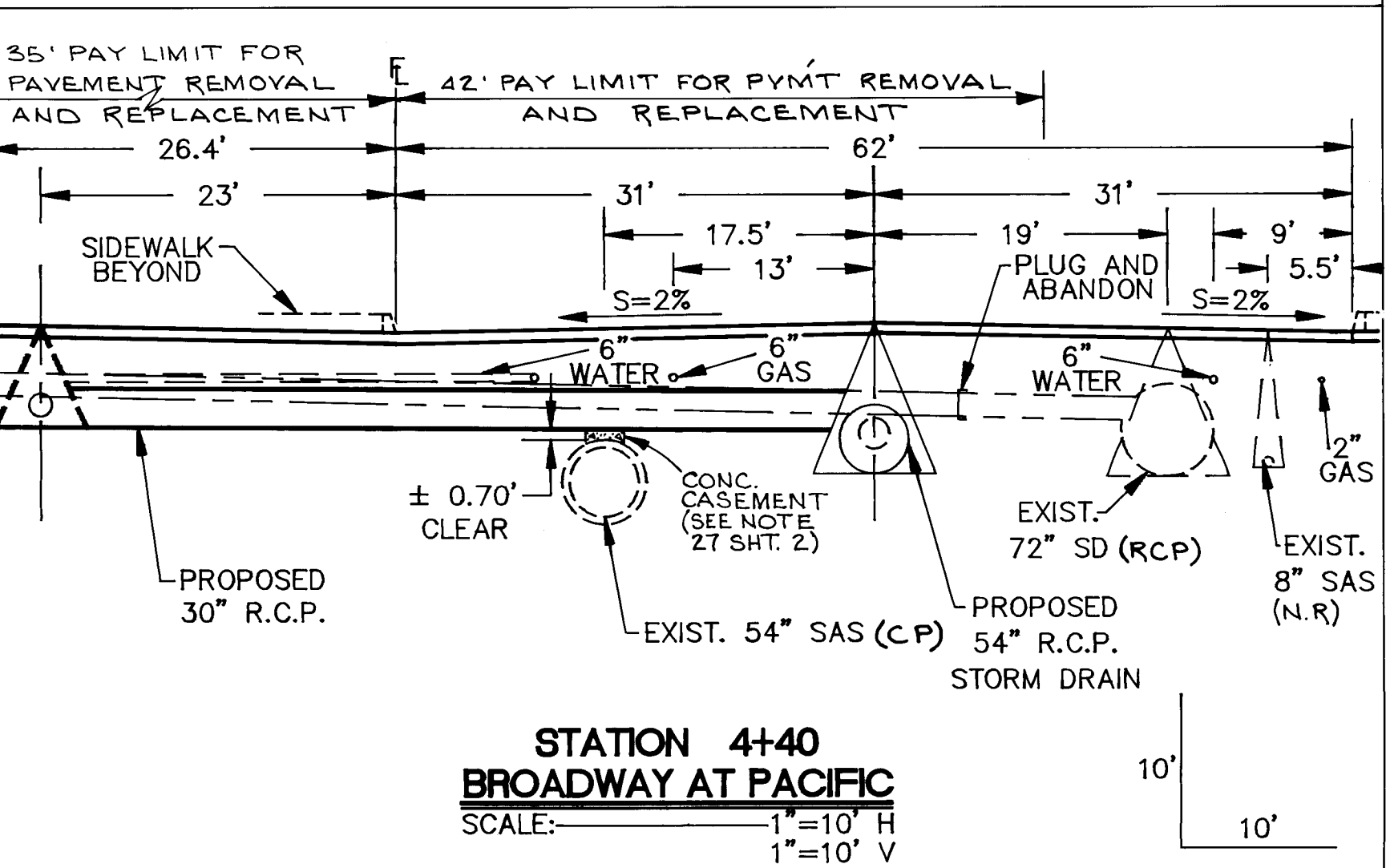
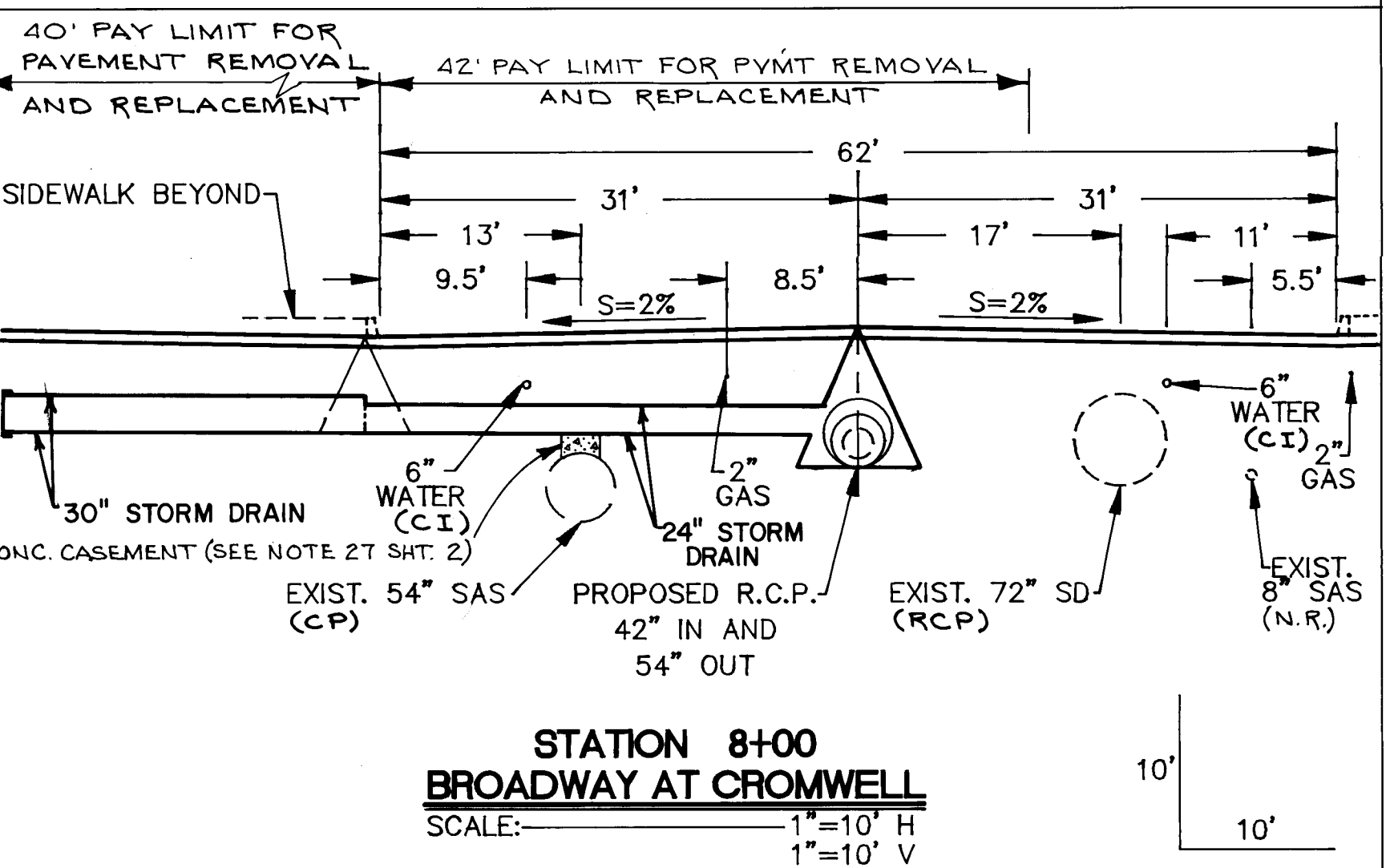
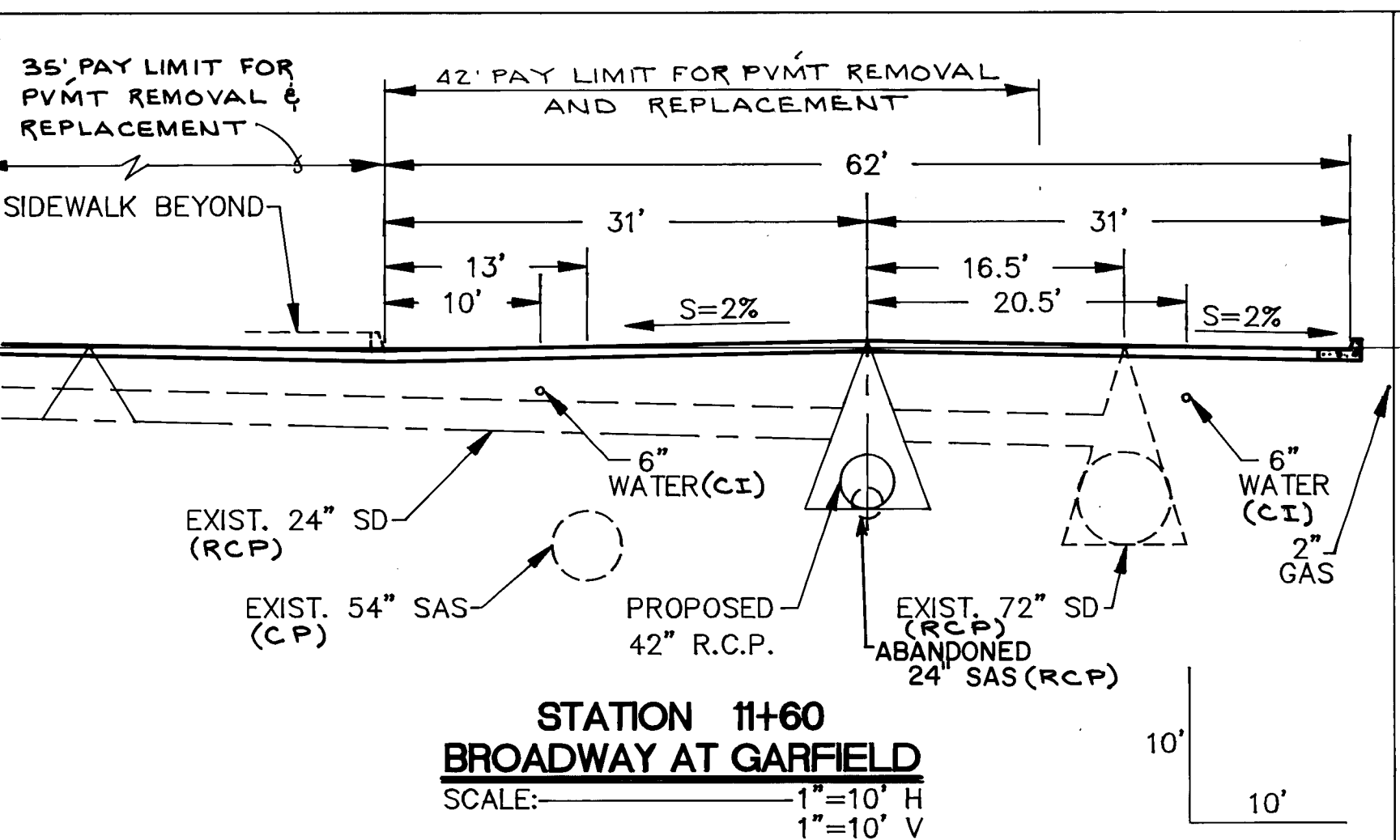
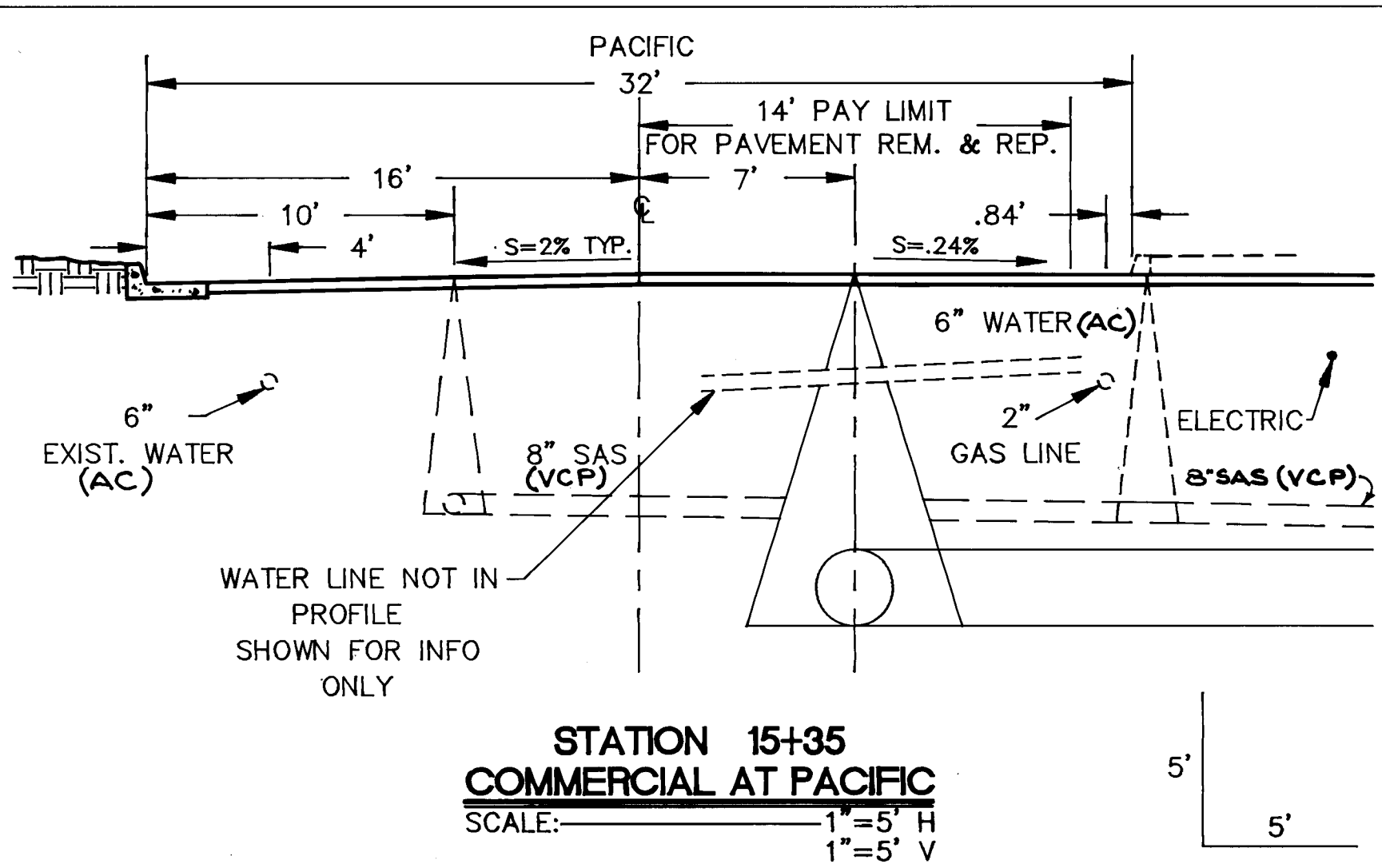
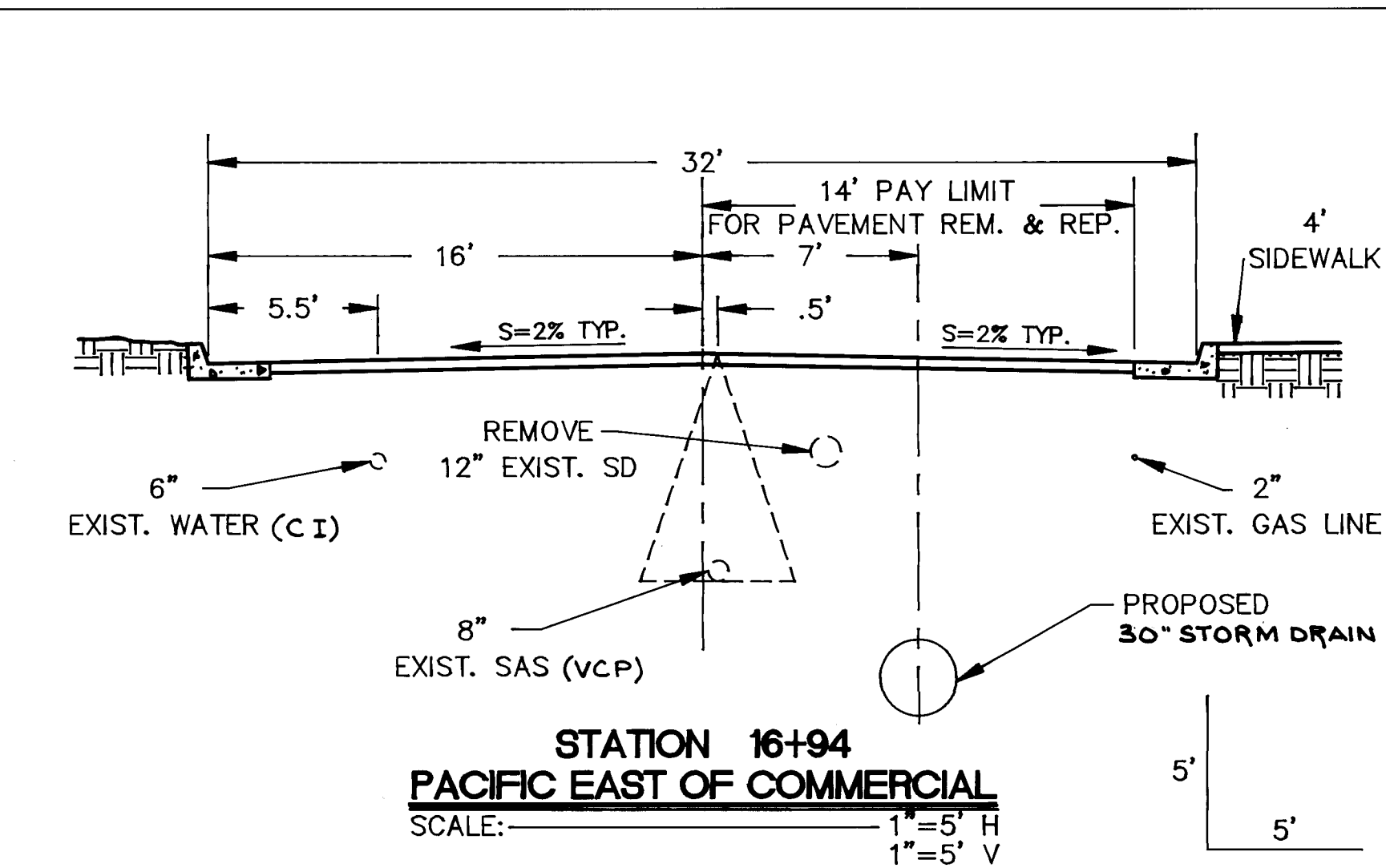
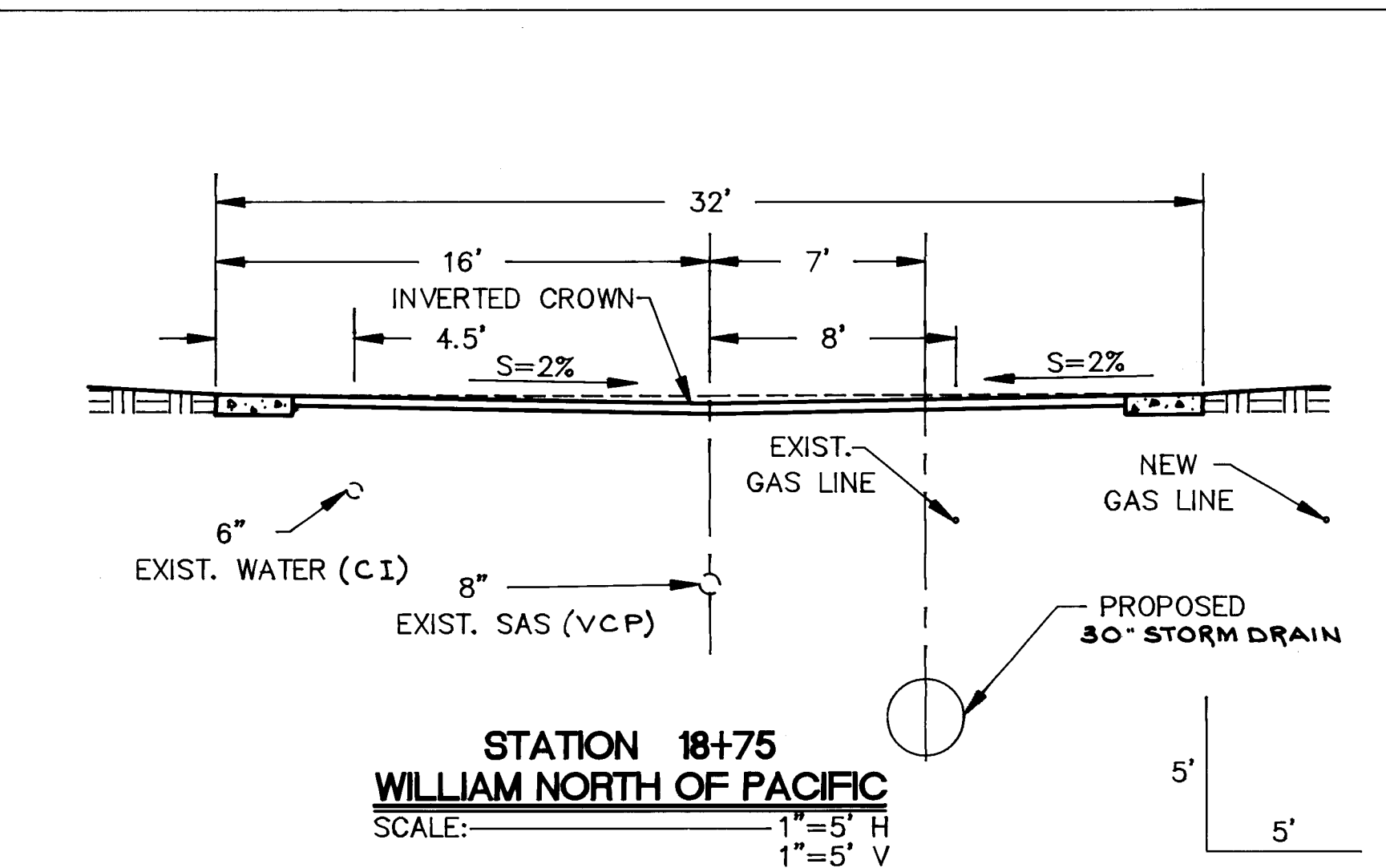
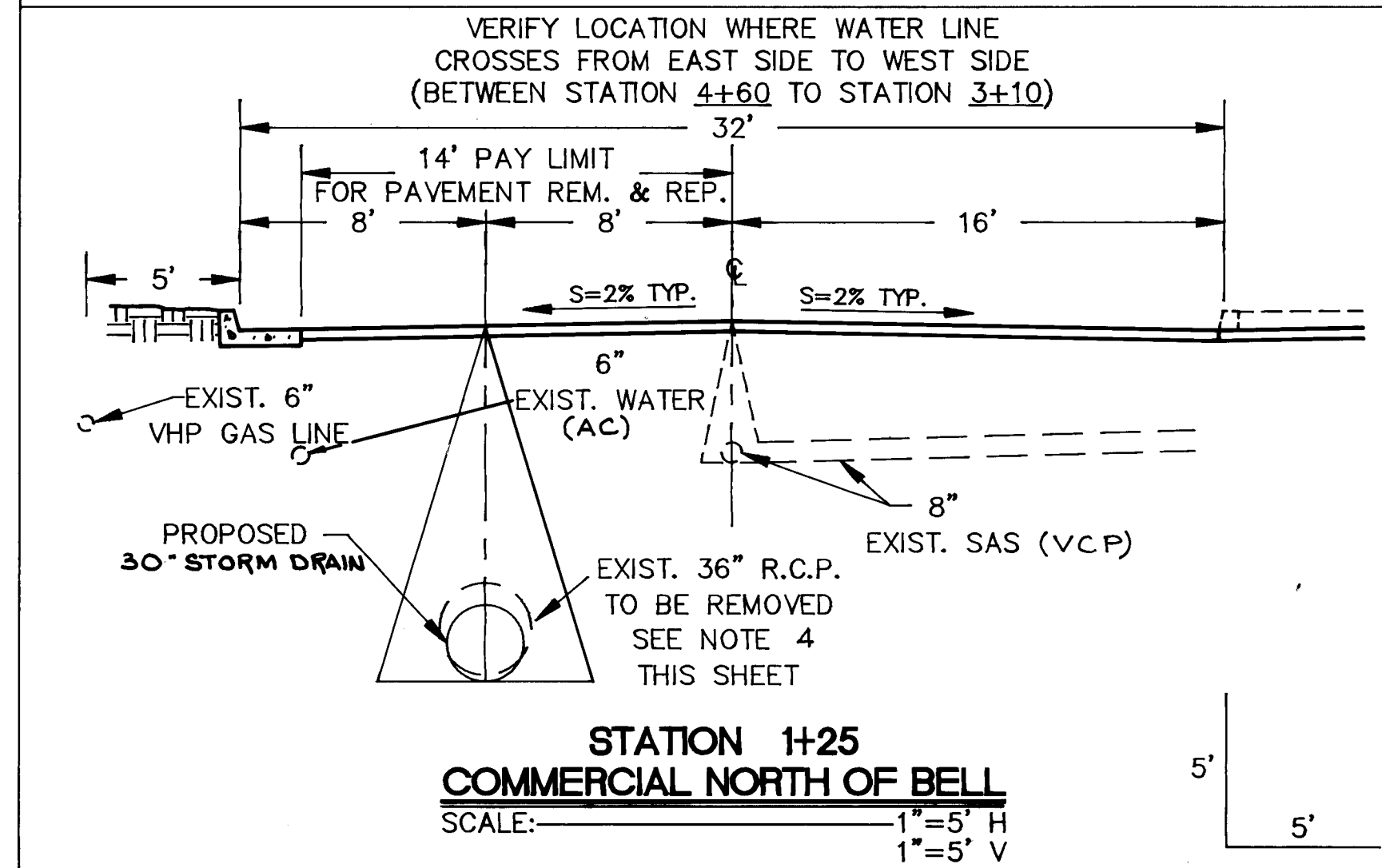
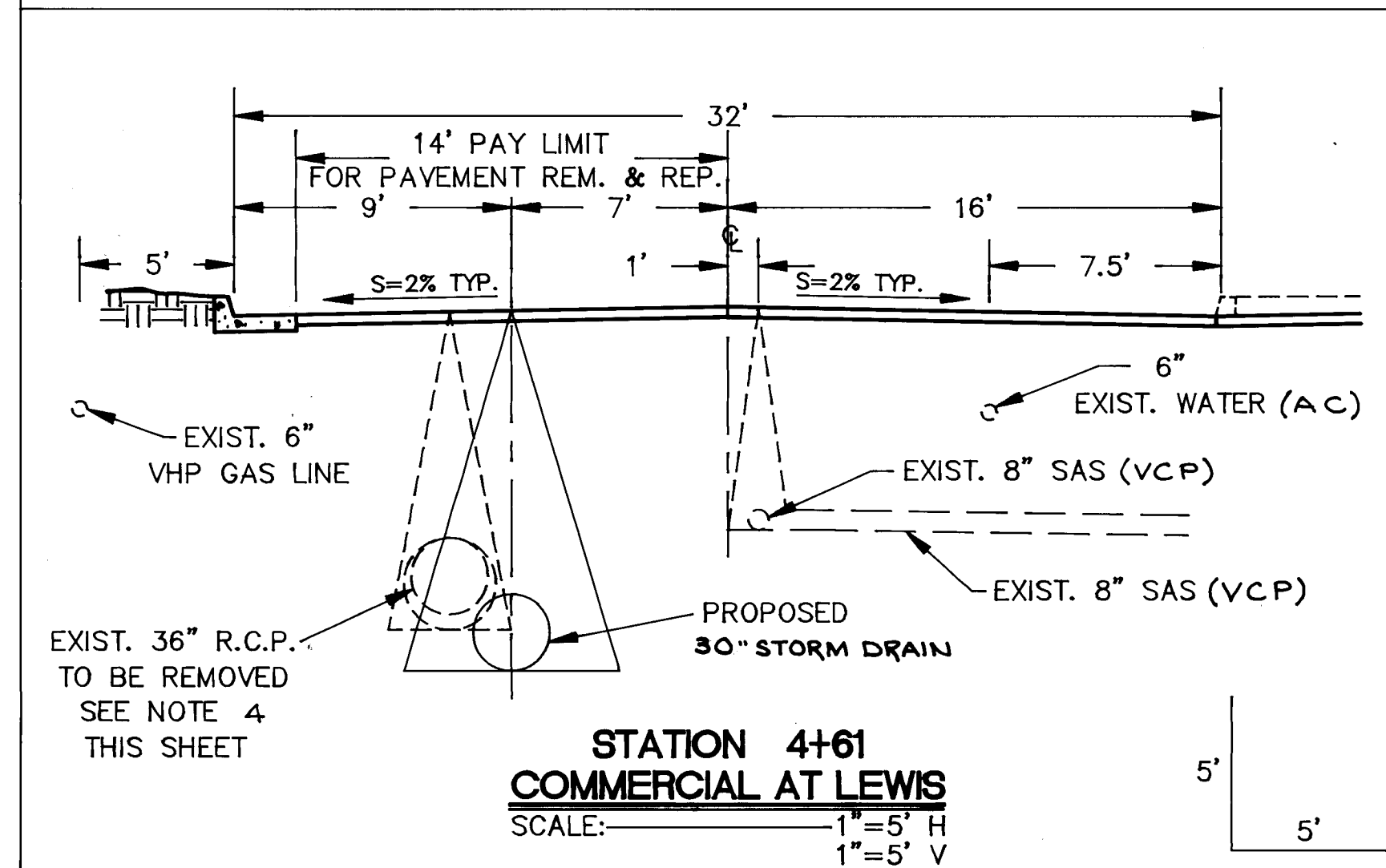
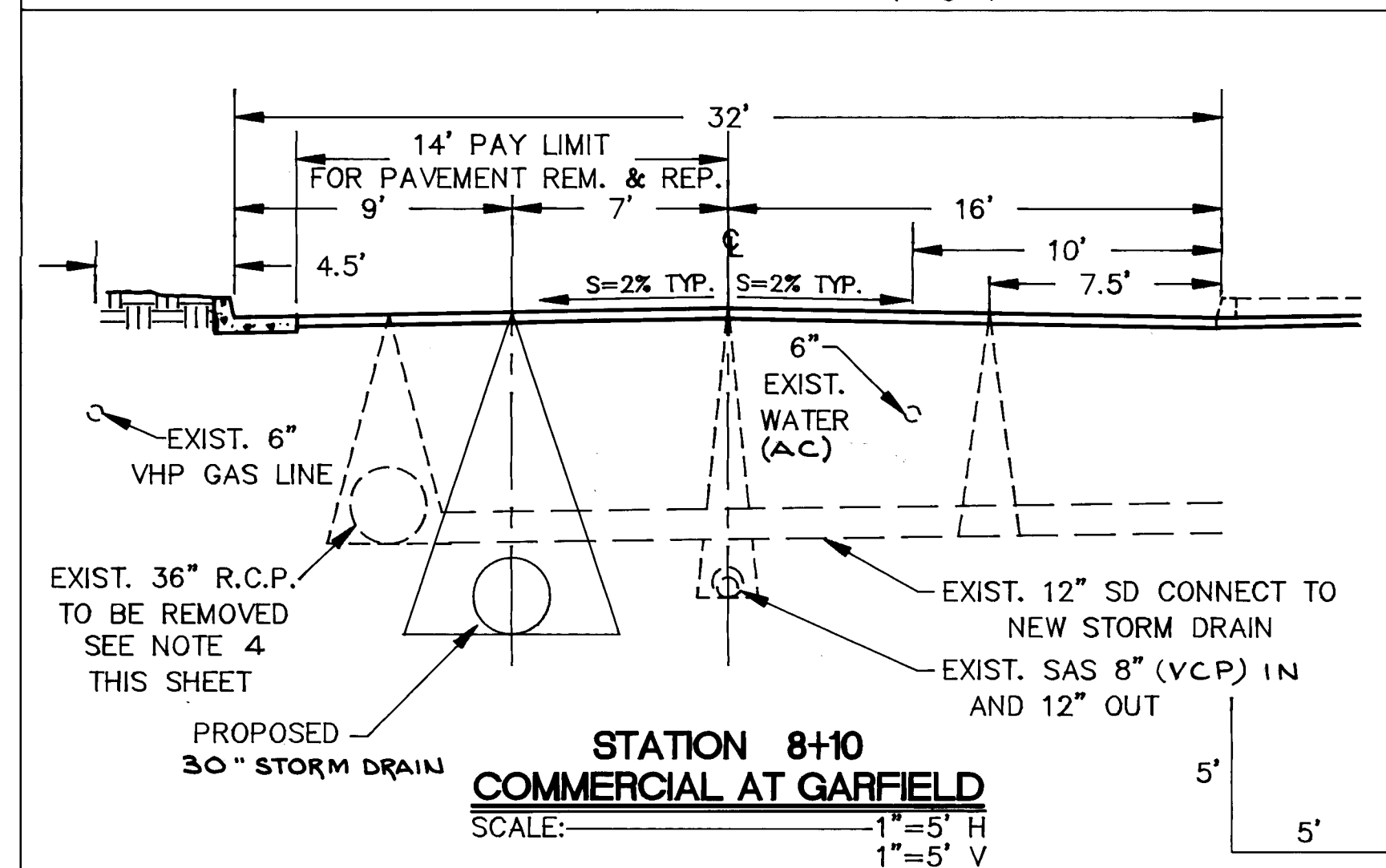
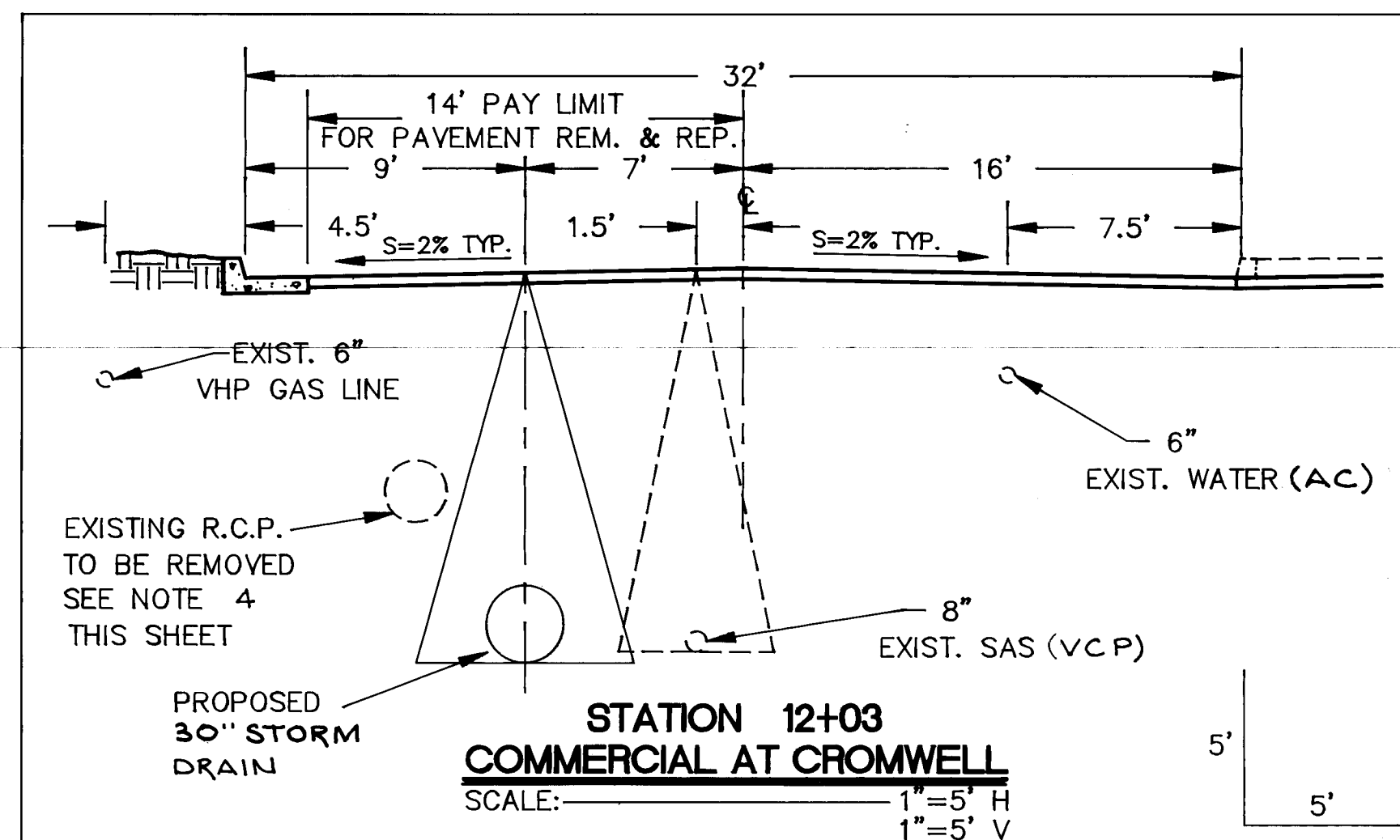
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: **COMMERCIAL ST. PLAN & PROFILE**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	R. J. Shaw	2-5-92	WATER	W. J. Shaw	1-31-92
TRANSPORT	R. J. Shaw	1-22-92	WASTE WATER	W. J. Shaw	
HYDROLOGY	R. J. Shaw	1-17-92			

DRAWING NO. **4165.90** MAP NO. **K-14, L-14** SHEET **15** OF **34**

SCANNED BY
BY LASON



NOTES

- ALL SECTIONS DRAWN FACING IN DIRECTION OF INCREASING STATIONS UNLESS OTHERWISE NOTED.
- THE DIMENSIONS SHOWN ARE APPROXIMATE AND ACTUAL LOCATIONS AND ELEVATIONS MAY BE DIFFERENT. THESE SECTIONS FOR ILLUSTRATION ONLY. ROAD SURFACES SHOWN BASED ON EXISTING MANHOLE RIM ELEVATIONS AND STANDARD PAVEMENT SECTIONS. OTHER ITEMS BASED ON FIELD SPOTTING, RECORD DRAWINGS AND OTHER PUBLISHED INFORMATION, AND TYPICAL LOCATIONS.
- THE CONTRACTOR SHALL DOCUMENT EXISTING PAVEMENT GRADES PRIOR TO CONSTRUCTION AND SHALL RESTORE EXISTING GRADES WHEN REPAVING UNLESS OTHERWISE SHOWN ON THE PLANS OR OTHERWISE DIRECTED BY THE ENGINEER.
- EXCEPT IN BROADWAY BLVD. REMOVE EXISTING STORM DRAIN, EXPOSED BUT OTHERWISE PLUG AND ABANDON ENDS WITH 2 FT OF CONCRETE AND ABANDON IN PLACE. THE COST OF THIS WORK IS INCIDENTAL TO CONSTRUCTION. SEE SHEETS 13 & 14 FOR BROADWAY BLVD.
- ALL UTILITIES WITHIN THIS PROJECT SHALL REMAIN IN OPERATION UNLESS OTHERWISE INDICATED ON THE PLANS.
- SEE PLAN SHEETS FOR MATERIALS FOR EXISTING UTILITIES.
- CONTRACTOR TO PROTECT ALL CURB & GUTTER AND SIDEWALK EXCEPT AS SPECIFICALLY CALLED FOR ON THE PLANS.
- EXISTING SIDEWALKS, COMMERCIAL ST.: NORTH OF PACIFIC, NONE WEST SIDE, INTERMITTENT EAST SIDE. PACIFIC BETWEEN PACIFIC & WILLIAM: SOUTH SIDE CONTINUOUS, NORTH SIDE WEST HALF ONLY. WILLIAM NORTH OF PACIFIC: NONE EAST CURB RETURN EAST SIDE. SANTA FE: NONE. BROADWAY SOUTH OF CROMWELL: SET BACK FROM CURB BOTH SIDES EXCEPT IN FRONT OF THE CULTURAL CENTER. BROADWAY NORTH OF CROMWELL TO END OF PROJECT: WEST SIDE ADJACENT TO CURB, EAST SIDE SET BACK FROM CURB.
- TRENCHING: SEE THE GENERAL NOTES, SPECIFICATIONS AND SUPPLEMENTAL SPECIFICATIONS, INCLUDING SECTION 701.
- TRENCH BOXES, SHORING, OR OTHER SUPPORT MAY BE APPROPRIATE IN MUCH OF THIS PROJECT. BACKFILL BETWEEN A TRENCH BOX, IF USED, AND THE TRENCH WALL IS REQUIRED IN SOME LOCATIONS.
- ALL PAVEMENT STRIPS OR AREAS WITH LEAST DIMENSION LESS THAN 6 FEET SHALL BE REMOVED AND REPLACED WITH NEW PAVING.

AS BUILT INFORMATION

CONTRACTOR: New Century Inc.

DATE: 1/17/92

STATION: 1+65

DATE: 1/17/92

BY: [Signature]

DATE: 1/17/92

REMARKS: REVISIONS DESIGN

NO. DATE

DESIGNED BY: THG

DRAWN BY: GCL

CHECKED BY: EVD

DATE: 10/91

DATE: 10/91

DATE: 11/91

CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT

ENGINEERING GROUP

TITLE: CROSS SECTIONS AND UTILITIES

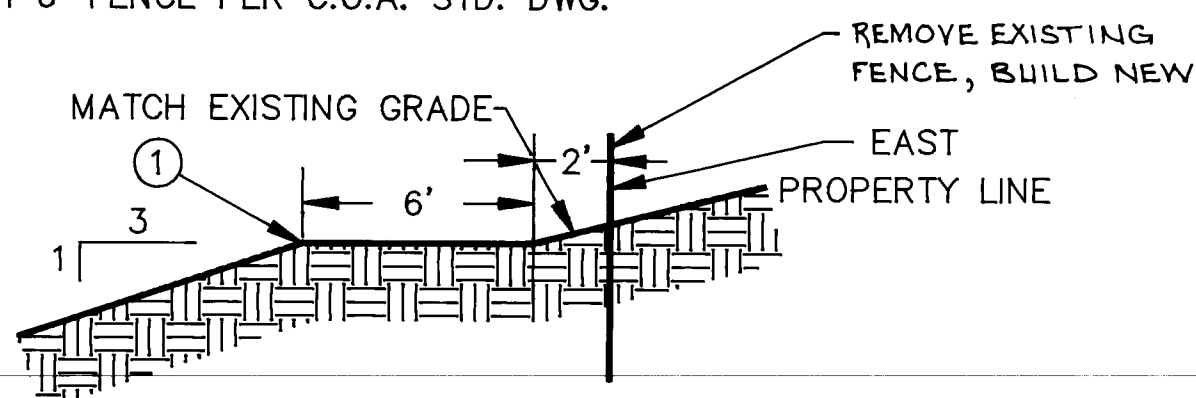
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	Ray A. [Signature]	2-5-92	WATER	[Signature]	1-31-92
TRANSPORT.	[Signature]	1-22-92	WASTE WATER	[Signature]	..
HYDROLOGY	[Signature]	1-17-92			

PROJECT NO. **4165.90**

MAP NO. **K-14, L-14**

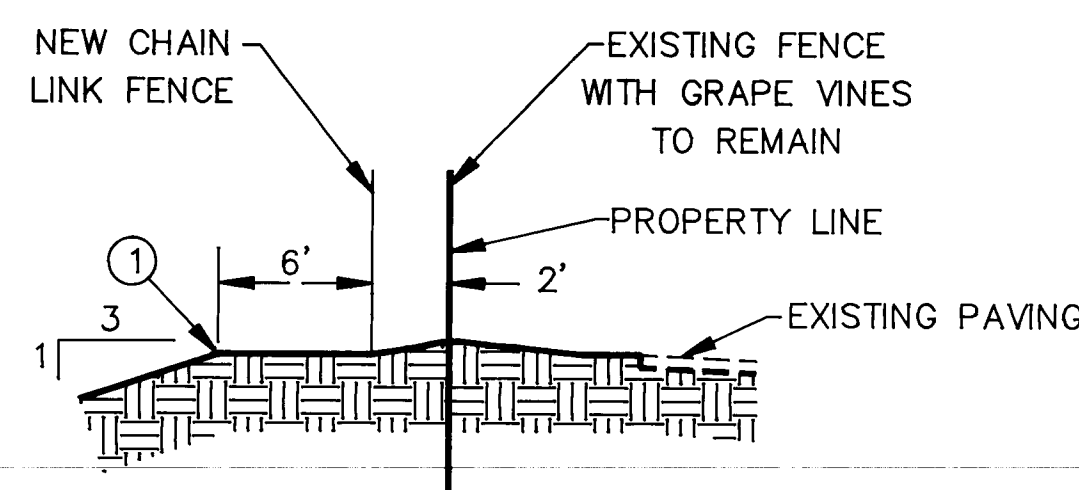
SHEET **16** OF **34**

OBTAIN CONSTRUCTION EASEMENT TO REPLACE WITH 6' FENCE PER C.O.A. STD. DWG.



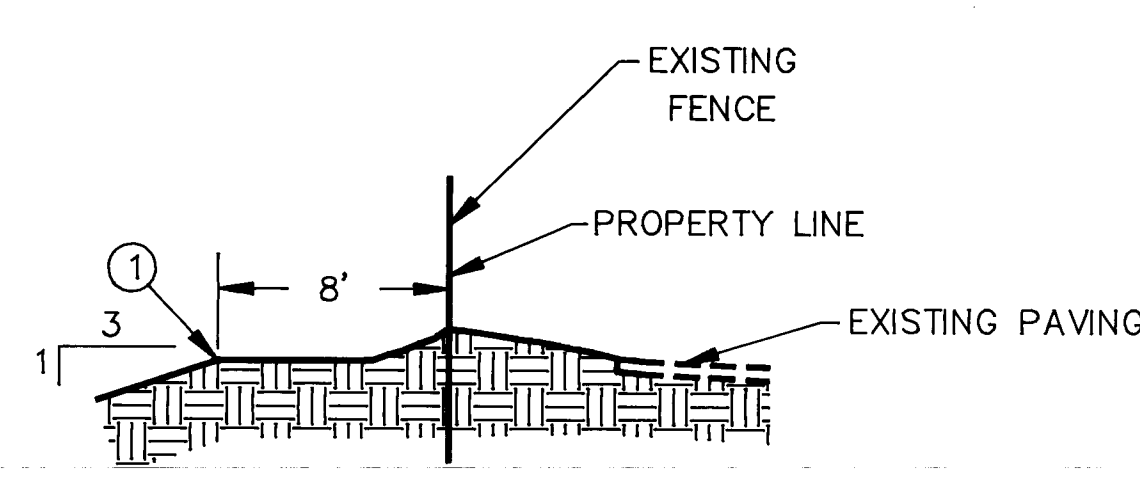
SECTION A

SCALE: 1"=5'



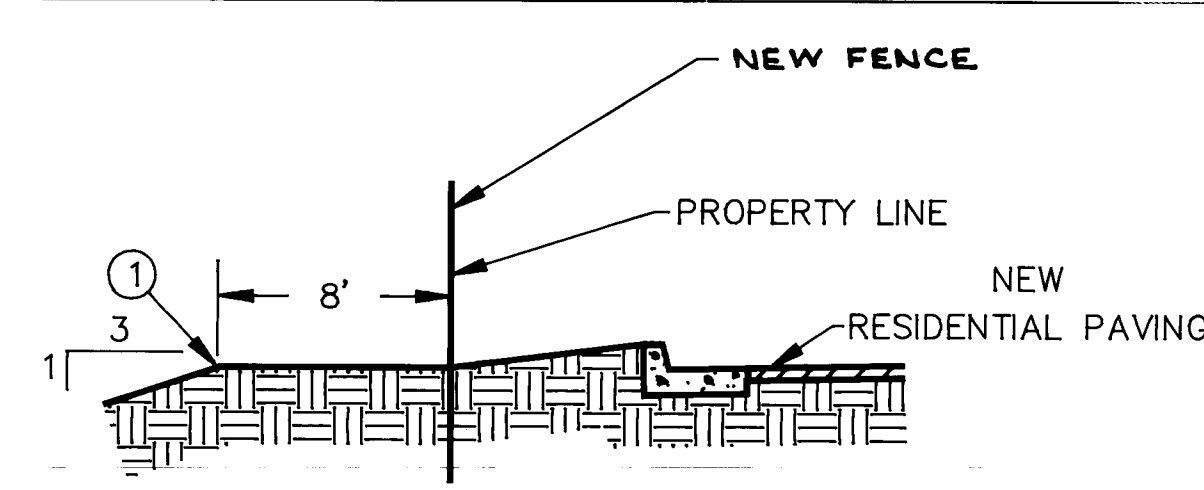
SECTION B

SCALE: 1"=5'



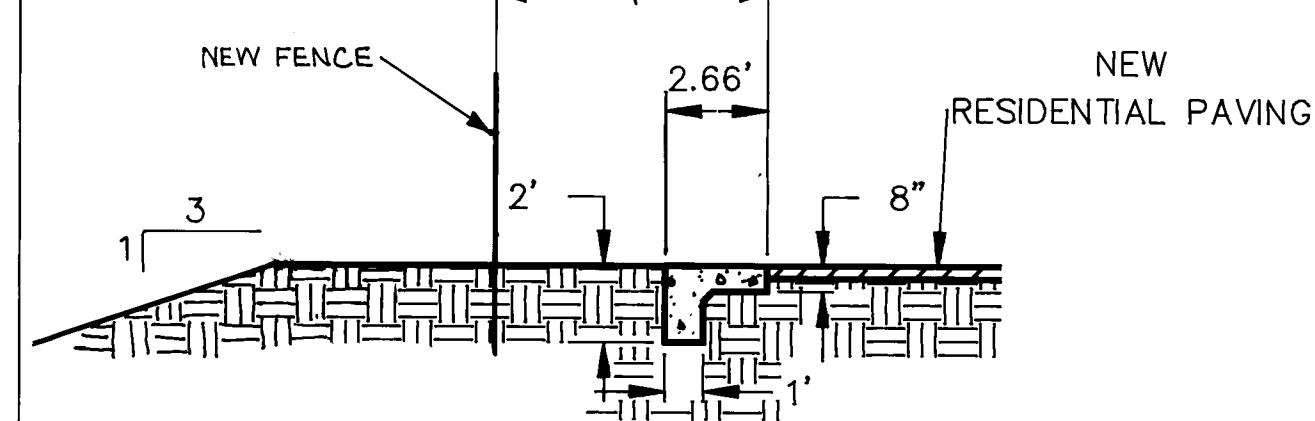
SECTION C

SCALE: 1"=5'



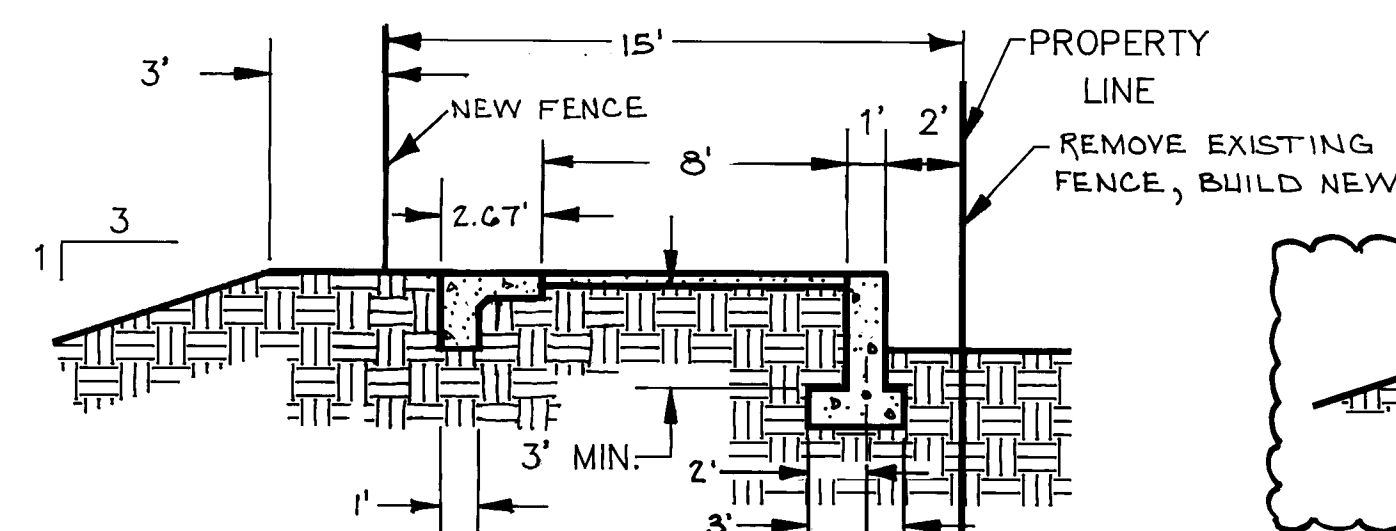
SECTION D

SCALE: 1"=5'



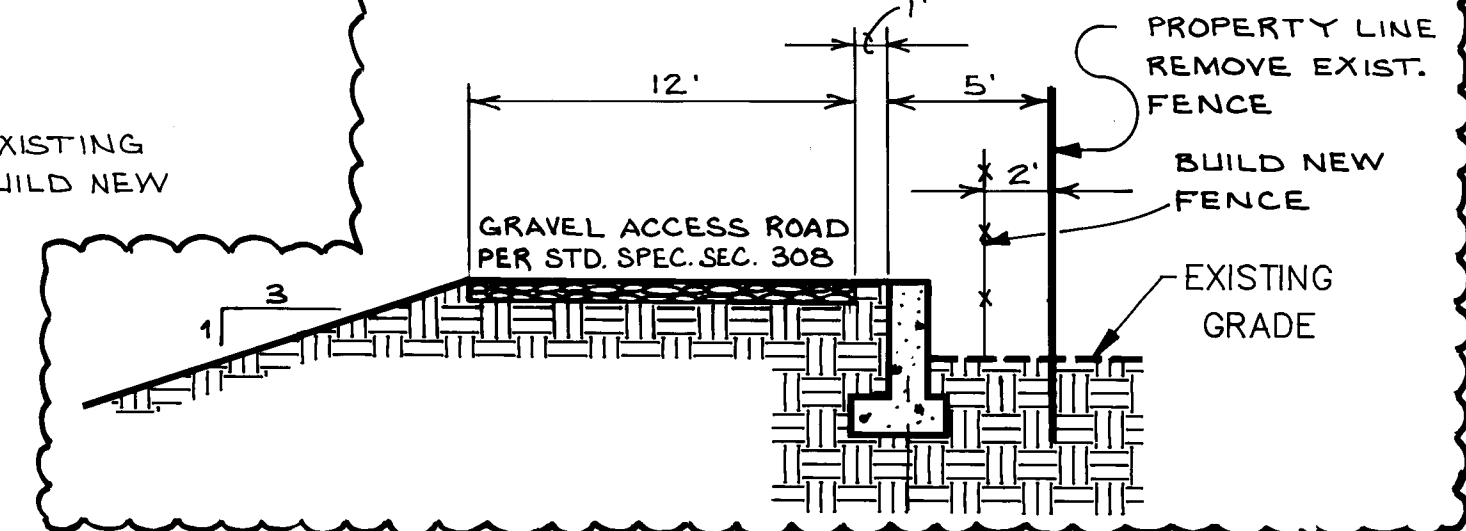
SECTION E

SCALE: 1"=5'



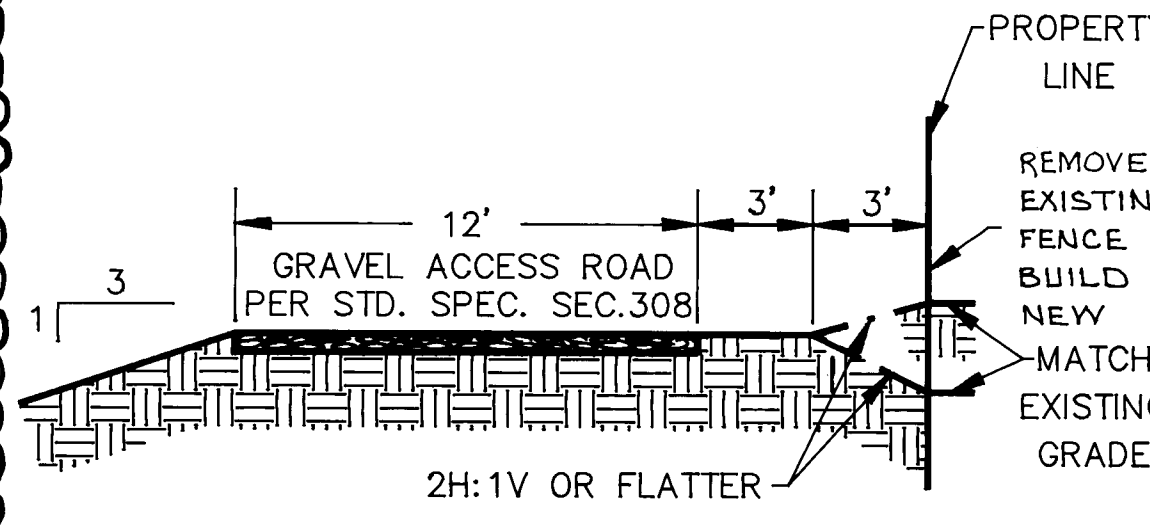
SECTION F

SCALE: 1"=5'



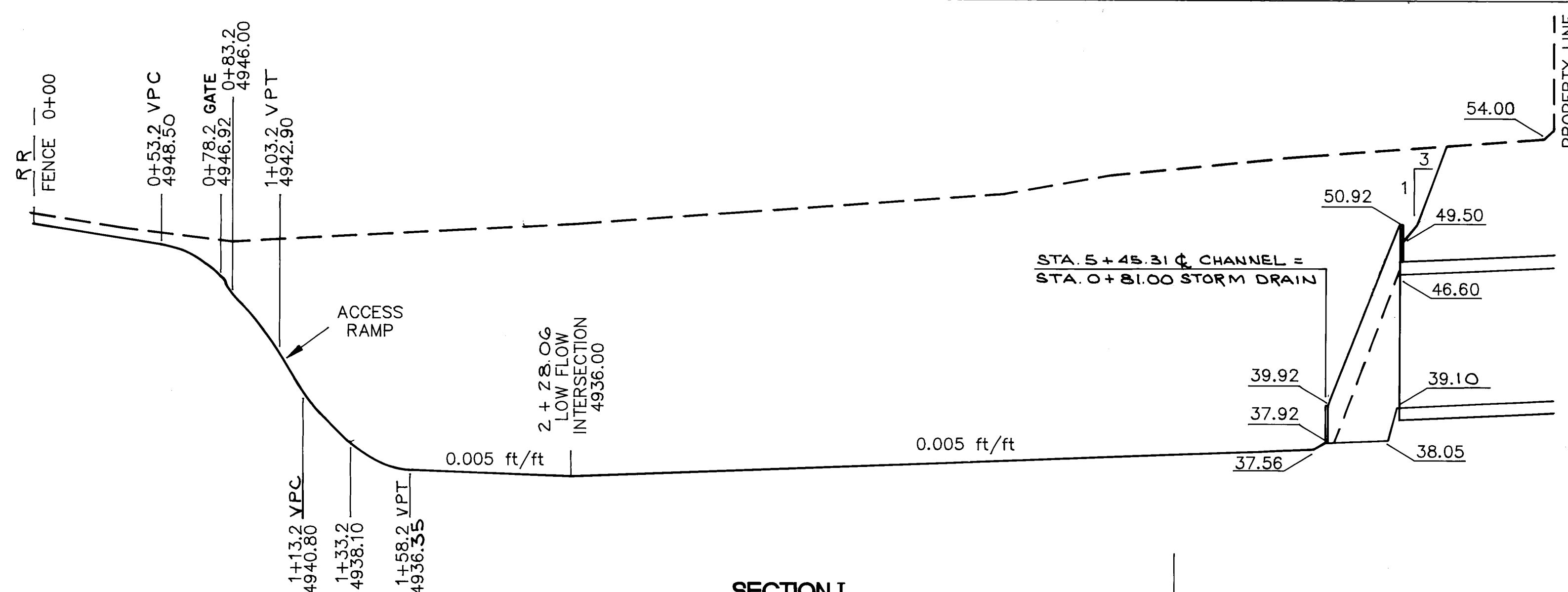
SECTION G

SCALE: 1"=5'



SECTION H

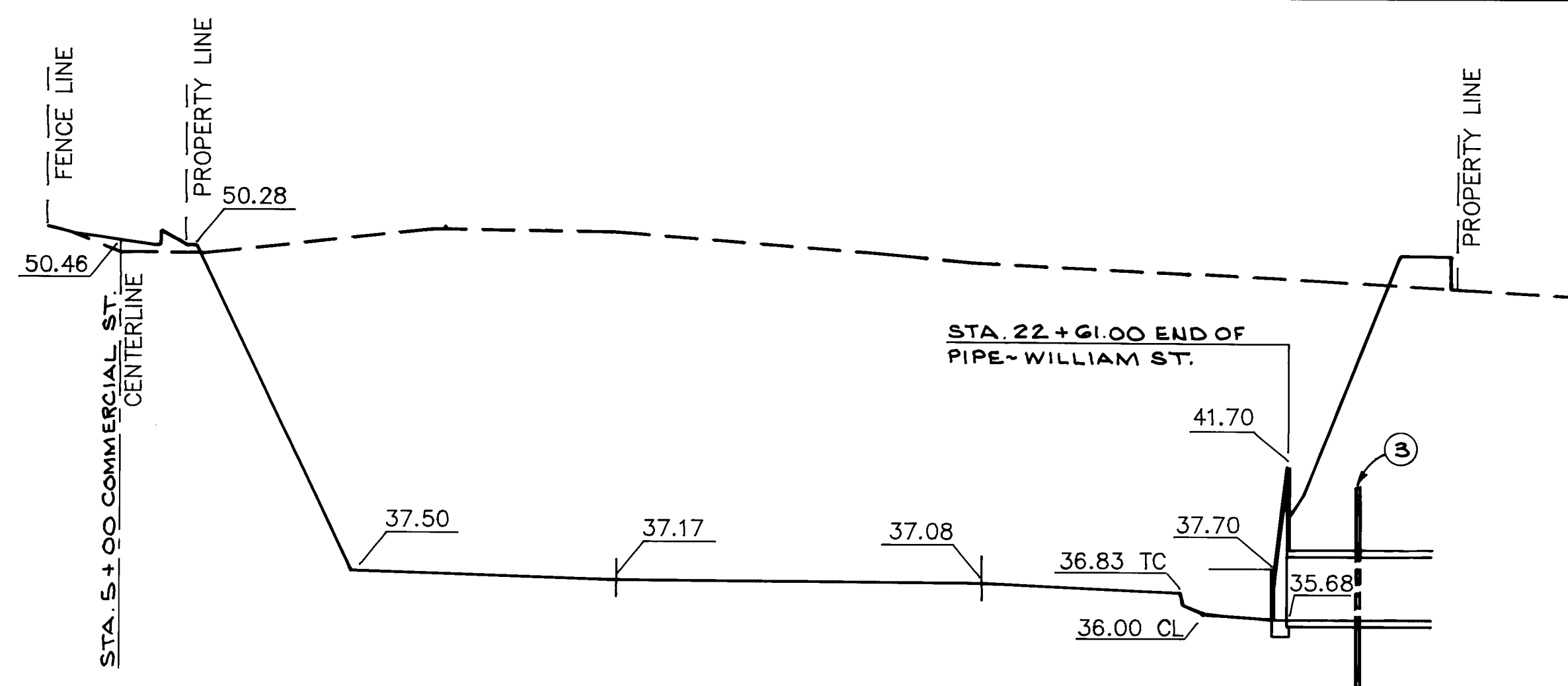
SCALE: 1"=5'



SECTION I
LOW FLOW CHANNEL PROFILE INLET TO RUNDOWN

SCALE: 1"=40' H, 1"=5' V

SEE SHEET 8 FOR SECTION CUT



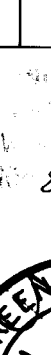
SECTION J
LOW FLOW CHANNEL PROFILE TO OUTLET

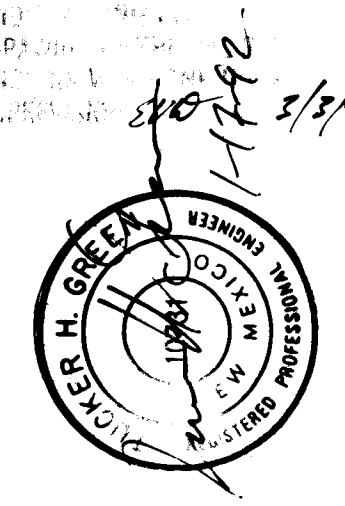
SCALE: 1"=40' H, 1"=5' V

SEE SHEET 8 FOR SECTION CUT

SHEET 17

- SECTIONS SHOWN ON THIS SHEET REFER UNIQUELY TO SHEETS 6, 7, 8, & 9.
- SEE SHEET 18 FOR RETAINING WALL DETAIL.
- SEE SHEET 19 FOR DETAIL OF CONCRETE CUTOFF COLLAR AND SPECIAL COMPACTION.

AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL			REV. SECTION G, AS-BUILT			REVISIONS			DESIGNED BY			DRAWN BY			CHECKED BY				
CONTRACTOR	DATE	DATE	AN ACS CONTROL CAP 9-114 LOCATED AT THE INTERSECTION OF BROADWAY AND STADIUM	DATE	DATE	NO.	BY	DATE		DATE	DATE	NO.	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
WORK	INSPECTOR	DATE	X=381,804.60 Y=1,480,772.92 ELEV.=4961.11	DATE	DATE	1	RESOURCE	4/91																				
INSPECTOR	DATE	DATE	AN ACS BENCHMARK 15-K14 LOCATED AT THE INTERSECTION OF BROADWAY AND PACIFIC	DATE	DATE		TECHNOLOGY, INC	7/91																				
INSPECTOR	DATE	DATE	ELEV.=4957.597	DATE	DATE																							
INSPECTOR	DATE	DATE	AN ACS BENCHMARK 14-K14 LOCATED AT THE INTERSECTION OF BROADWAY AND HAZELDINE	DATE	DATE																							
MICRO-FILM INFORMATION			ELEV.=4965.108																									
RECORDED BY			NO.																									



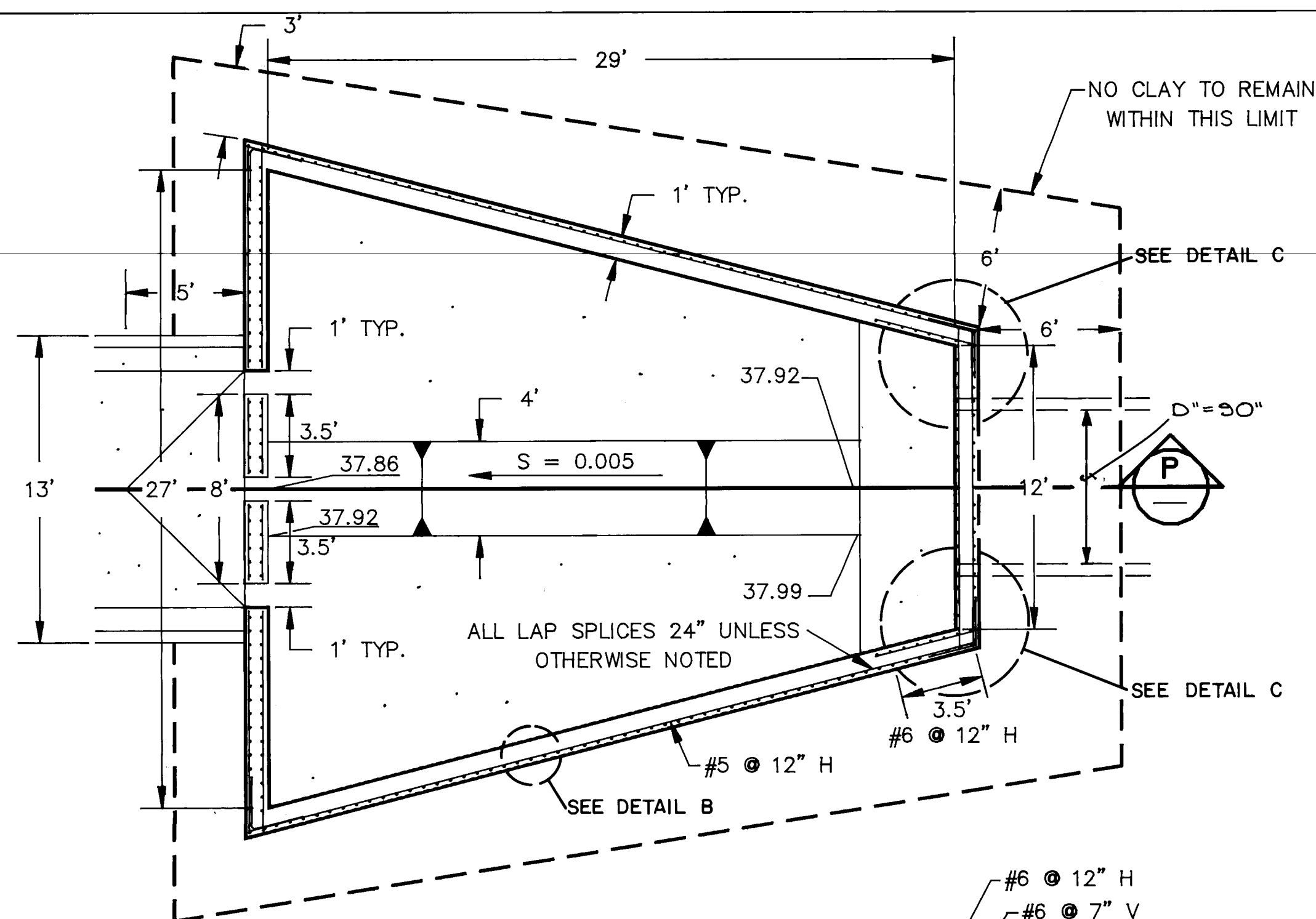
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **DETENTION BASIN SECTIONS**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	Robert H. Green	2-5-92	WATER	Robert H. Green	1-31-92
TRANSPORT	Robert H. Green	1-22-92	WASTE WATER	Robert H. Green	1-22-92
HYDROLOGY	Robert H. Green	1-22-92			

PROJECT NO.	MAP NO.	SHEET OF
4165.90	K-14,L-14	17 34

SCANNED BY
BY LASON



*ALL REBAR IN INLET STRUCTURE IS TO BE EPOXY COATED.

INLET STRUCTURE PLAN VIEW

SCALE: 1" = 5'

REINFORCEMENT AT PIPE OPENING
USE SAME AS DETAIL A SHEET 22
FOR 84" PIPE EXCEPT NO "U" BARS
AND USE #6 x 10'0" DIAGONALS
(BEND AS REQUIRED AT CORNERS)

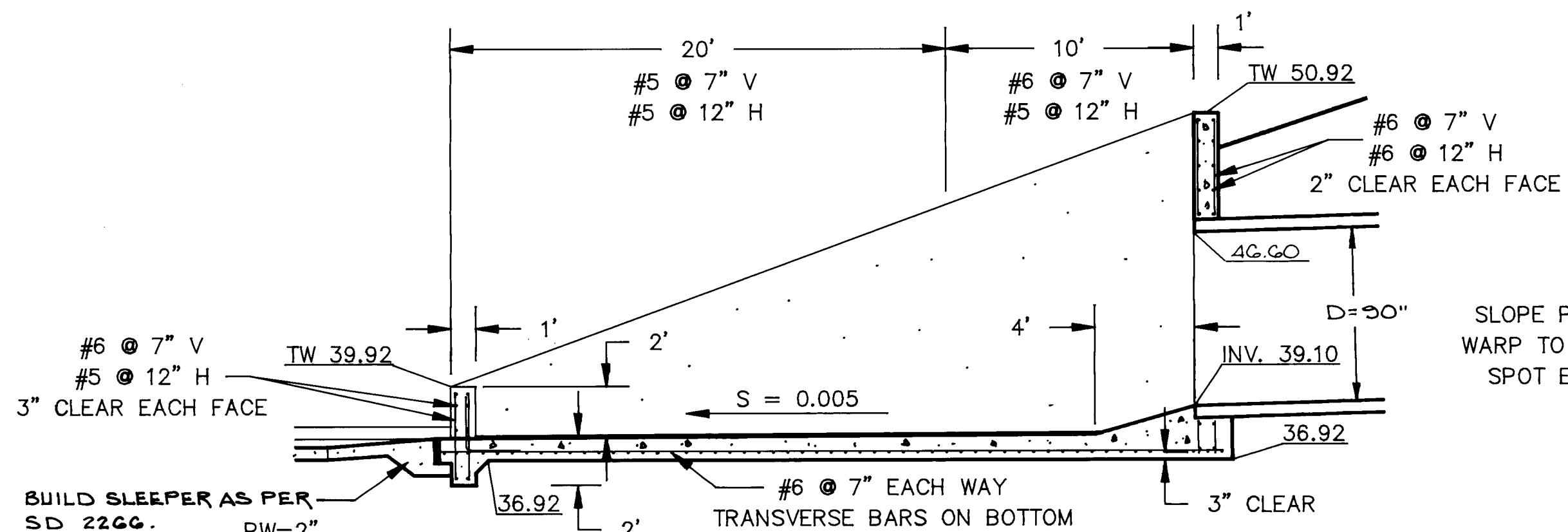
ADDITIONAL #6
CONTINUOUS TOP OF
SIDE WALLS

DETAIL B

SCALE: 1" = 2'

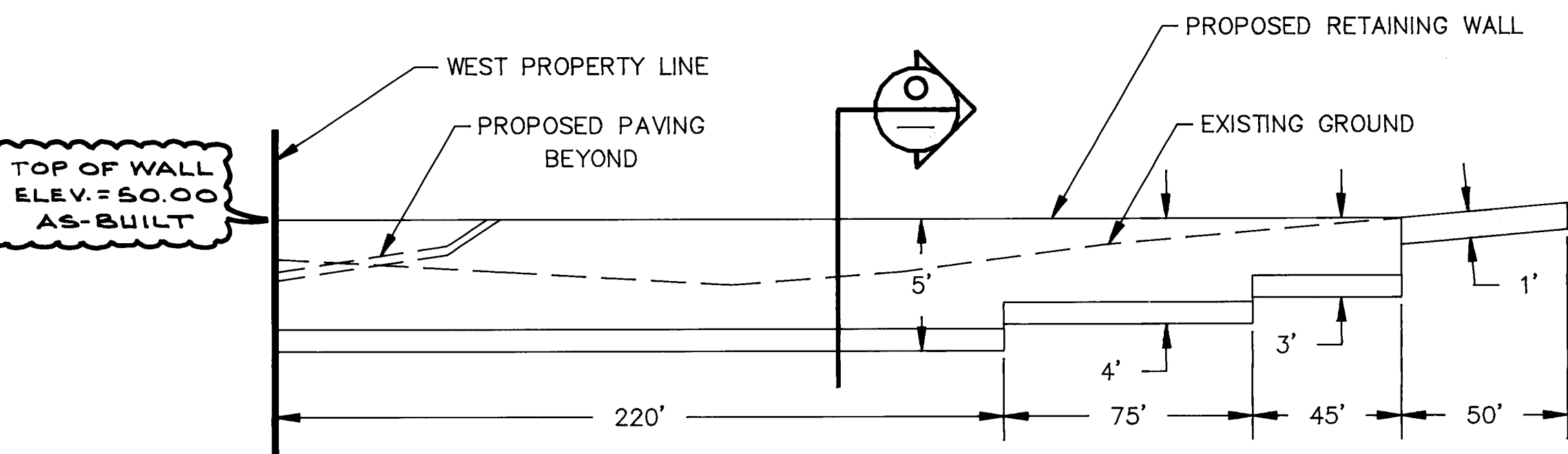
DETAIL C

SCALE: 1" = 4'



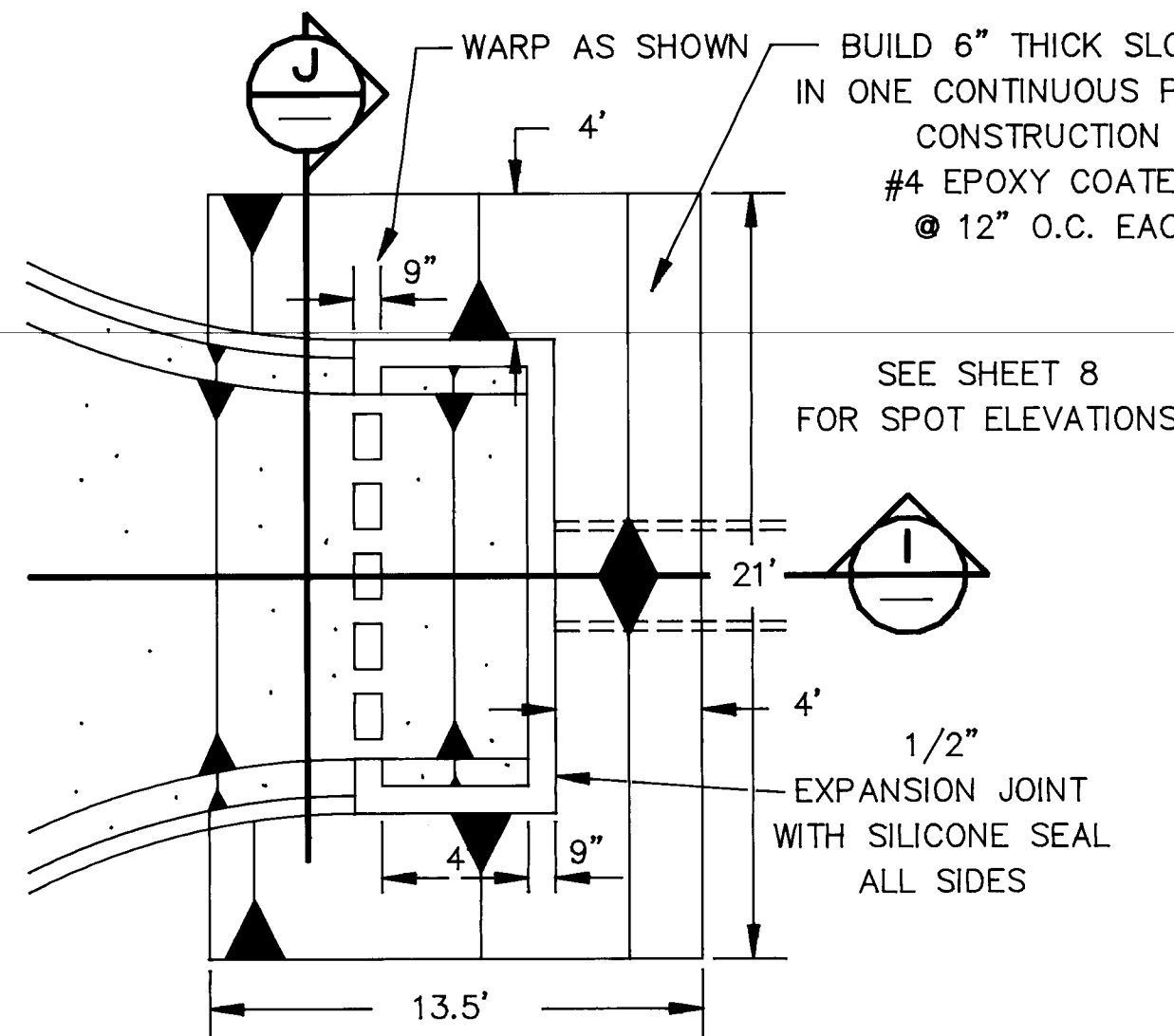
SECTION P

SCALE: 1" = 5'



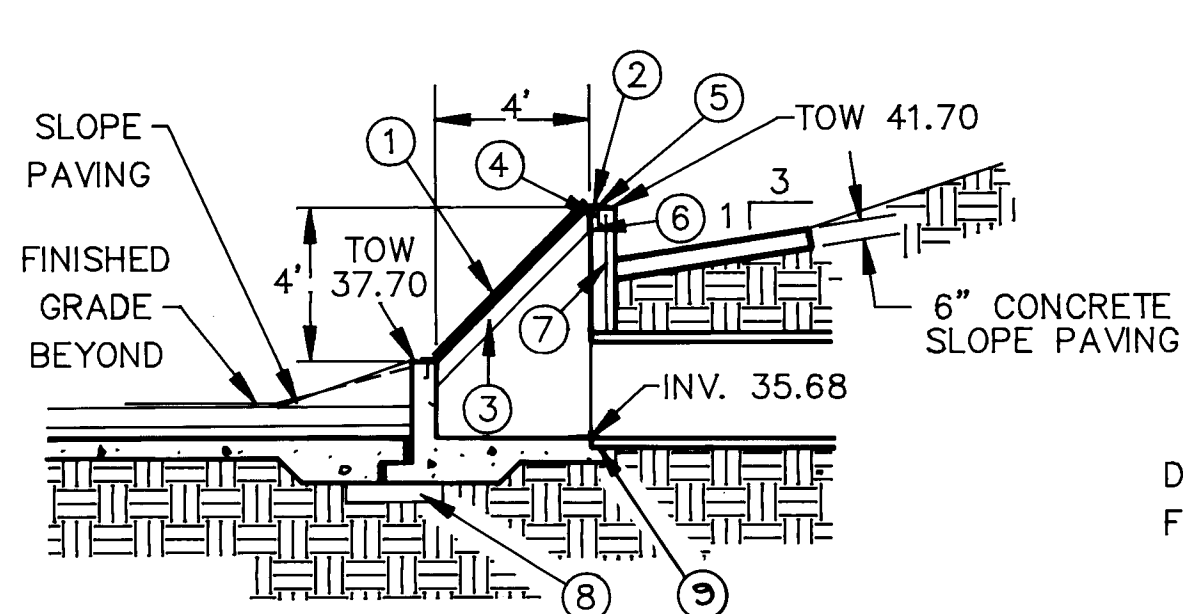
PROPOSED RETAINING WALL

SCALE: 1" = 40' H
1" = 5' V



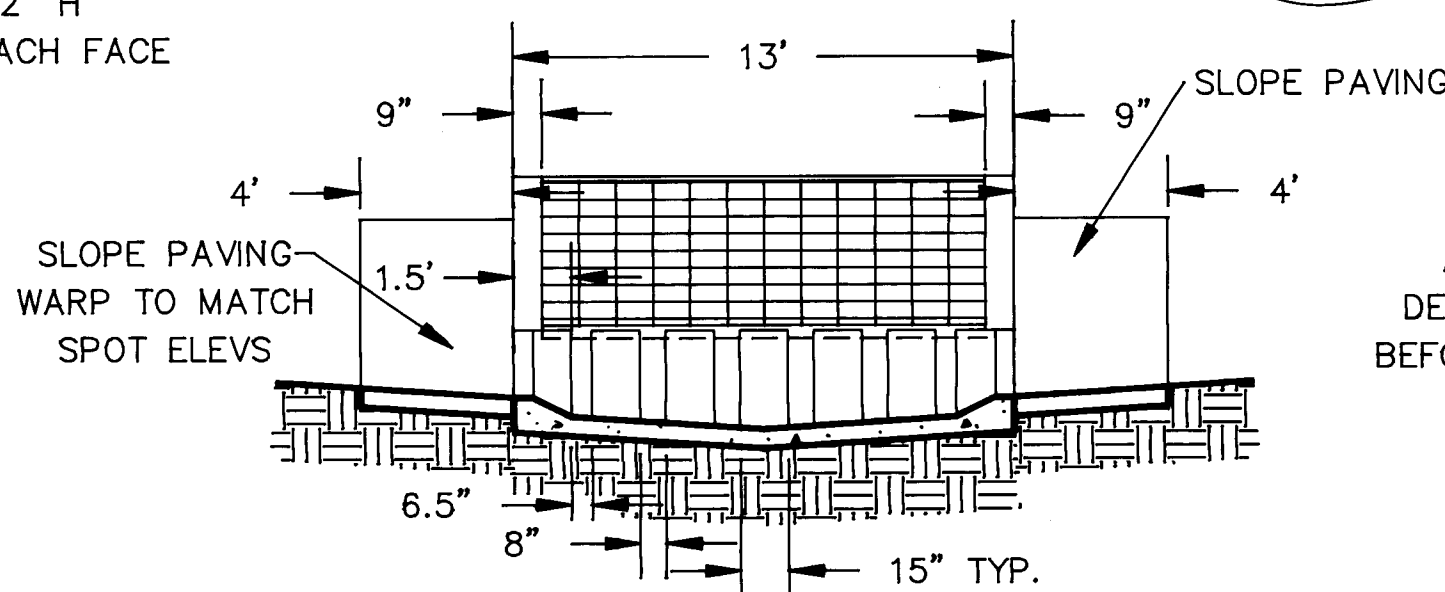
OUTLET STRUCTURE PLAN VIEW

SCALE: 1" = 5'



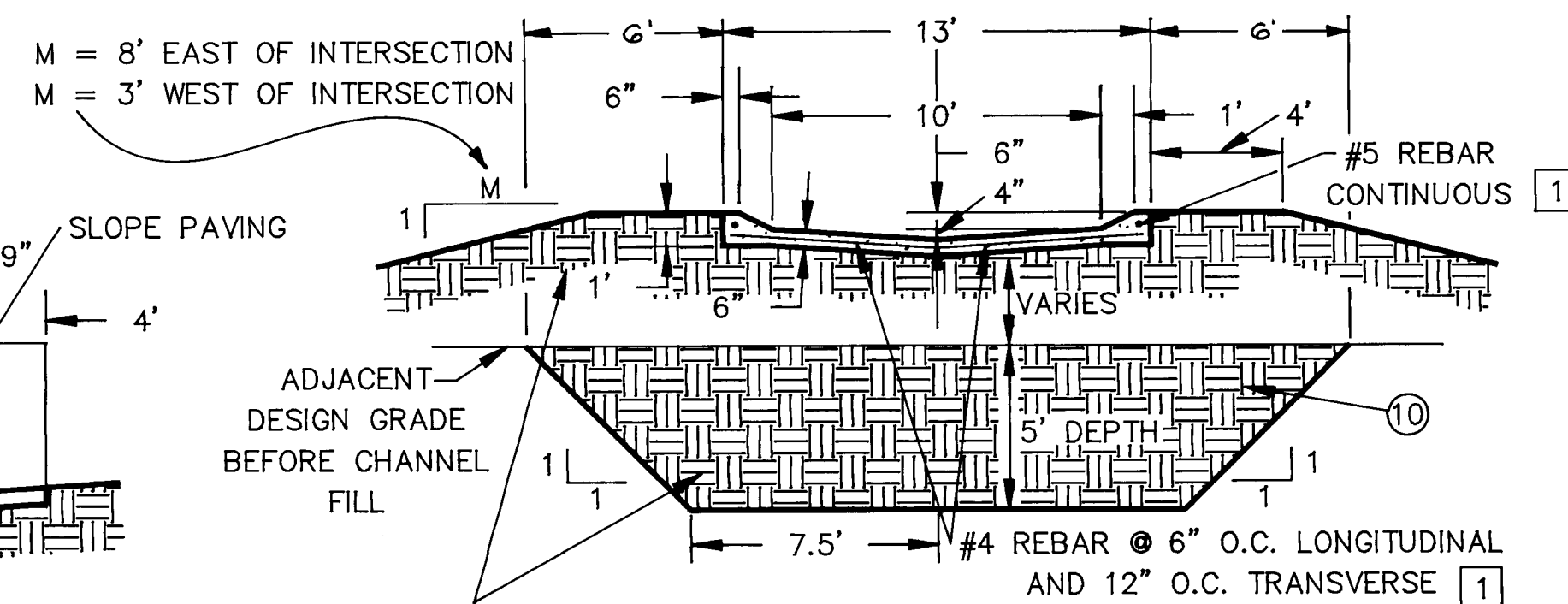
SECTION I

SCALE: 1" = 5'



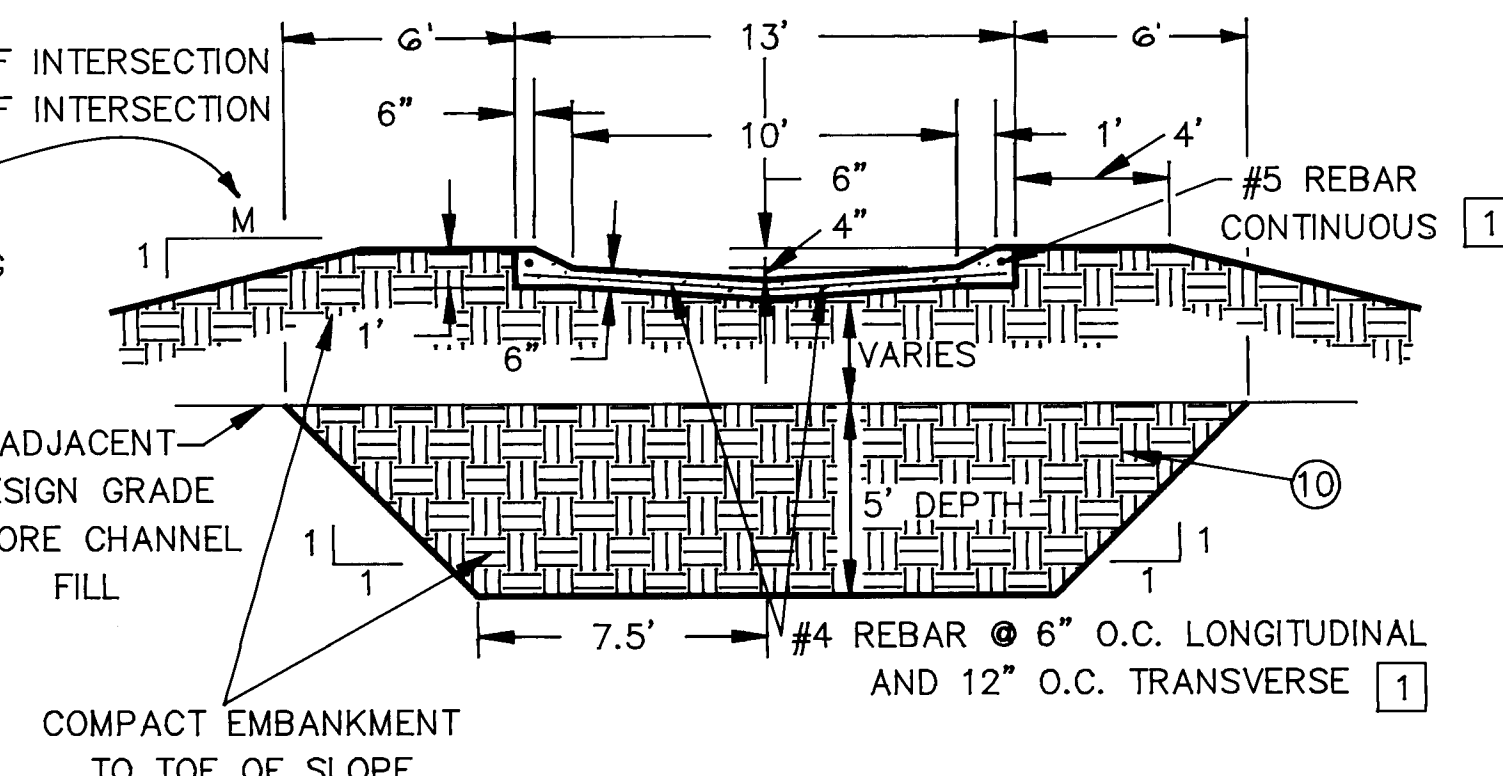
SECTION J

SCALE: 1" = 5'



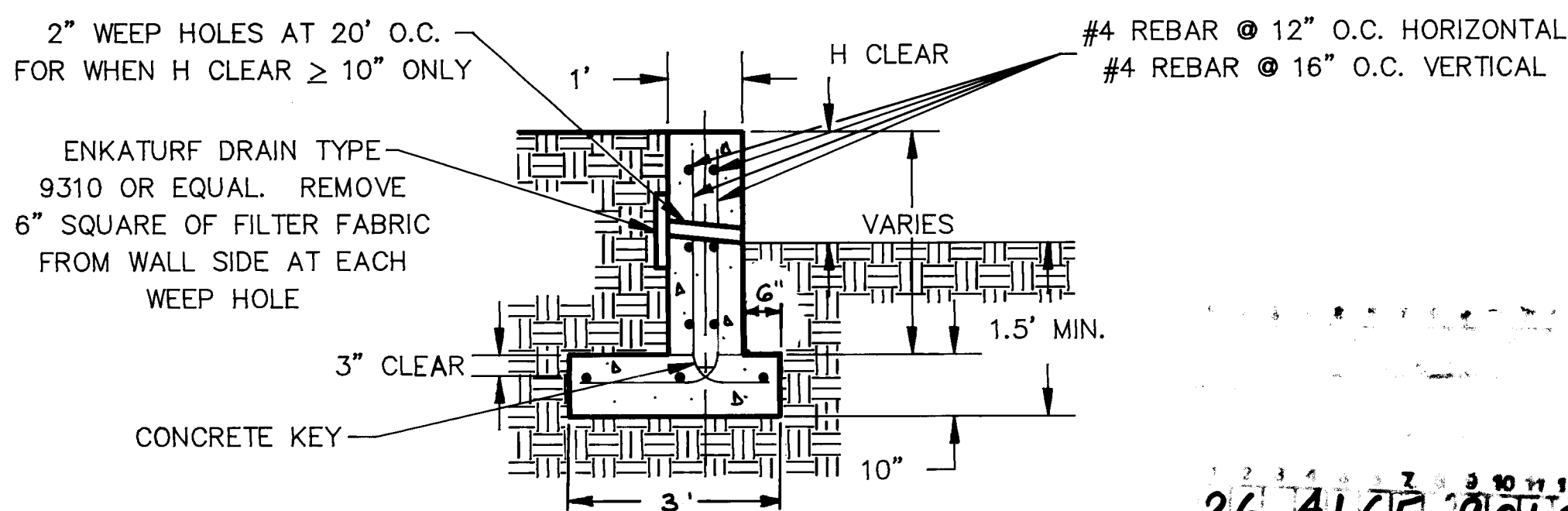
SECTION K TRANSITION SECTION AT GATE

SCALE: 1" = 5'



SECTION L LOW FLOW CHANNEL

SCALE: 1" = 5'

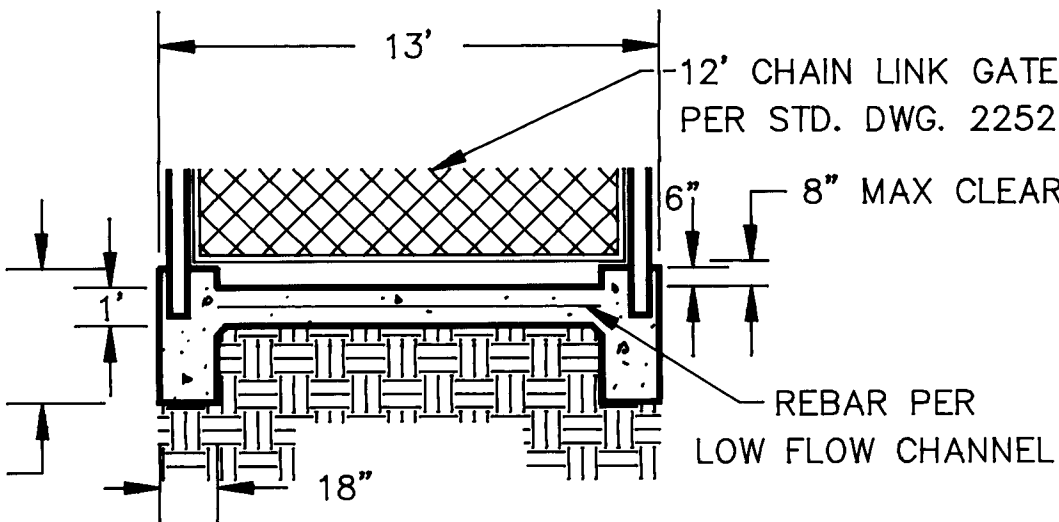


SECTION O

SCALE: 1" = 2'

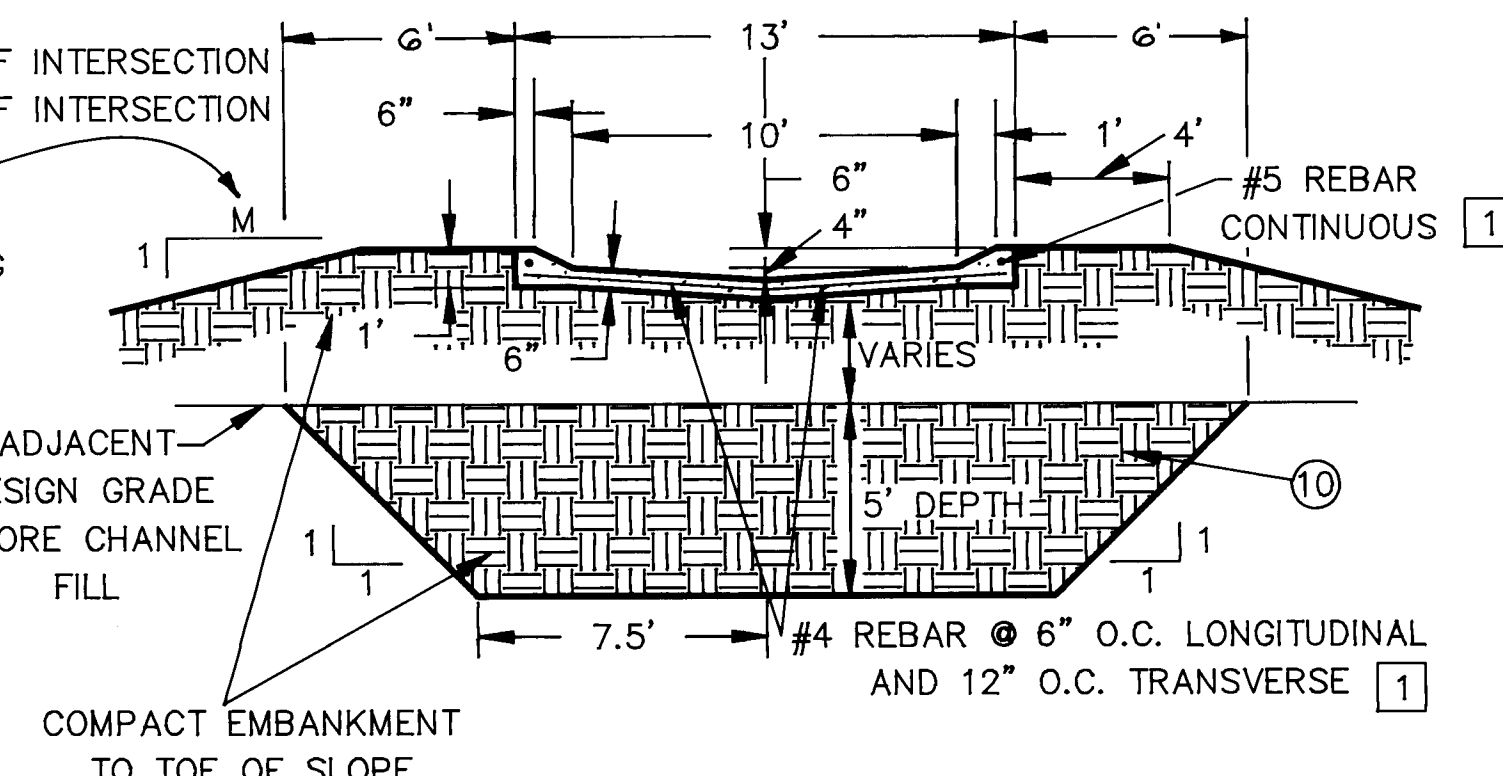
LOW FLOW CHANNEL TRANSITION TO ASPHALT PAVING AT COMMERCIAL STREET

SCALE: 1" = 5'



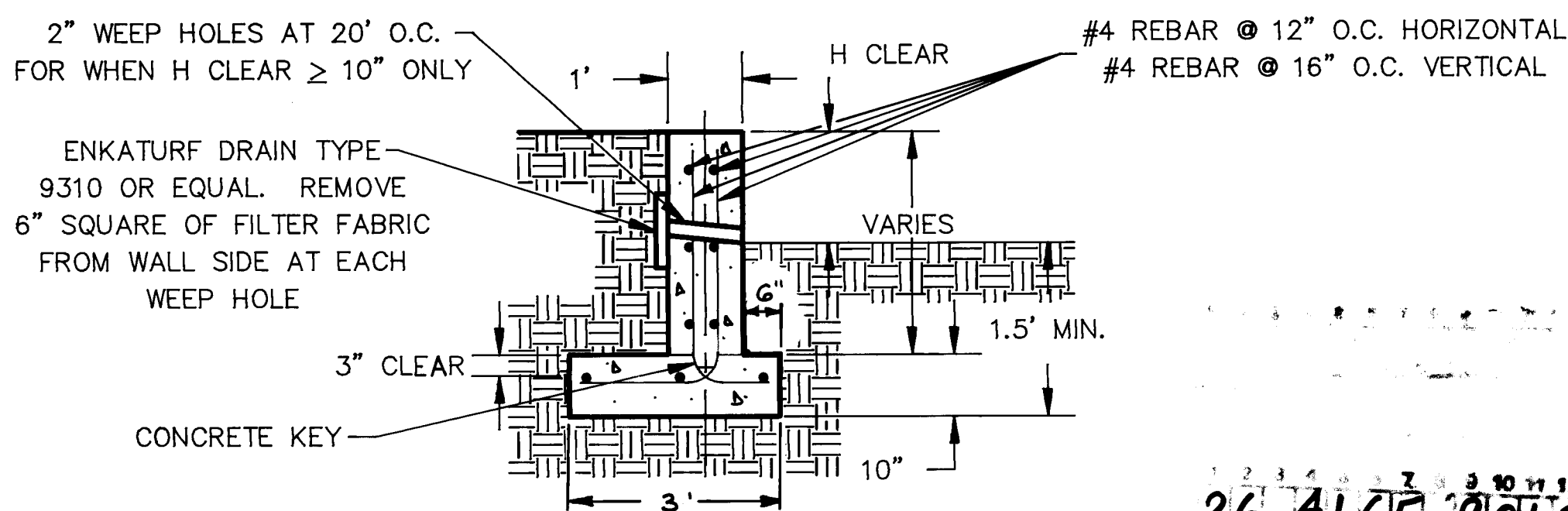
SECTION K TRANSITION SECTION AT GATE

SCALE: 1" = 5'



SECTION L LOW FLOW CHANNEL

SCALE: 1" = 5'

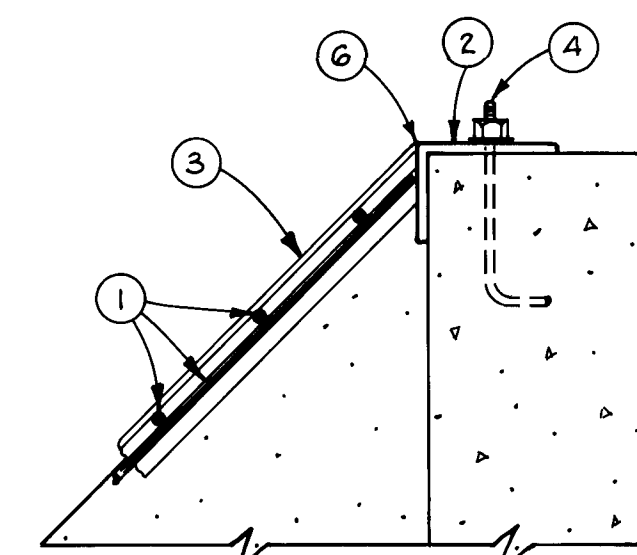


SECTION O

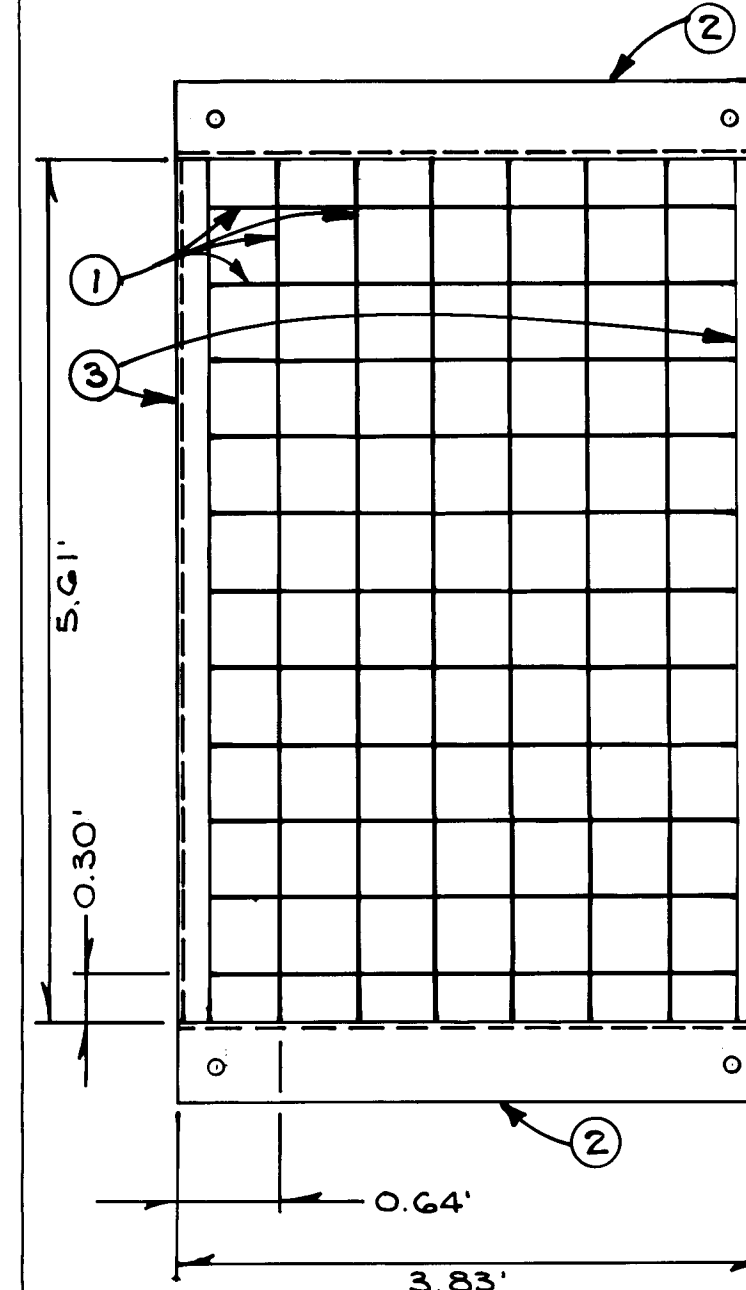
SCALE: 1" = 2'

KEYED NOTES

- EPOXY-COATED REBAR
- 3 REMOVABLE GRATING PANELS, EACH 46" (NOMINAL) WIDE, #5 REBAR OR DOWEL AT 6" (MAX) ON CENTER EACH WAY. WELD ALL INTERSECTIONS. PAINT PER STD DWG 2220. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTION.
- ANGLE 6 X 3-1/2 X 5/16 LLH TOP & BOTTOM OF EACH PANEL.
- 2 1/2" X 6" ANCHOR BOLTS TOP AND BOTTOM OF EACH PANEL. (4 BOLTS PER PANEL)
- LIGHTLY TACK-WELD NUTS TO BOLTS.
- WELD FULL LENGTH, TYPICAL TOP & BOTTOM.
- #4 REBAR AT 6" MAX ON CENTER EACH WAY.
- CONCRETE SLEEPER PER STD DWG 2266 WITH DIMENSION PW = 2"
- PROVIDE DETAIL OF CONNECTION FOR APPROVAL PRIOR TO CONSTRUCTION. SEE STS SECTION 910.
- SEE STS SECTION 501. OVER EXCAVATE, DEEP WET, AND PROOF ROLL 20 PASSES WITH A 10-TON NON-VIBRATING ROLLER PRIOR TO BACKFILL.



SECTION VIEW NOT TO SCALE



GRATING DETAIL NOT TO SCALE

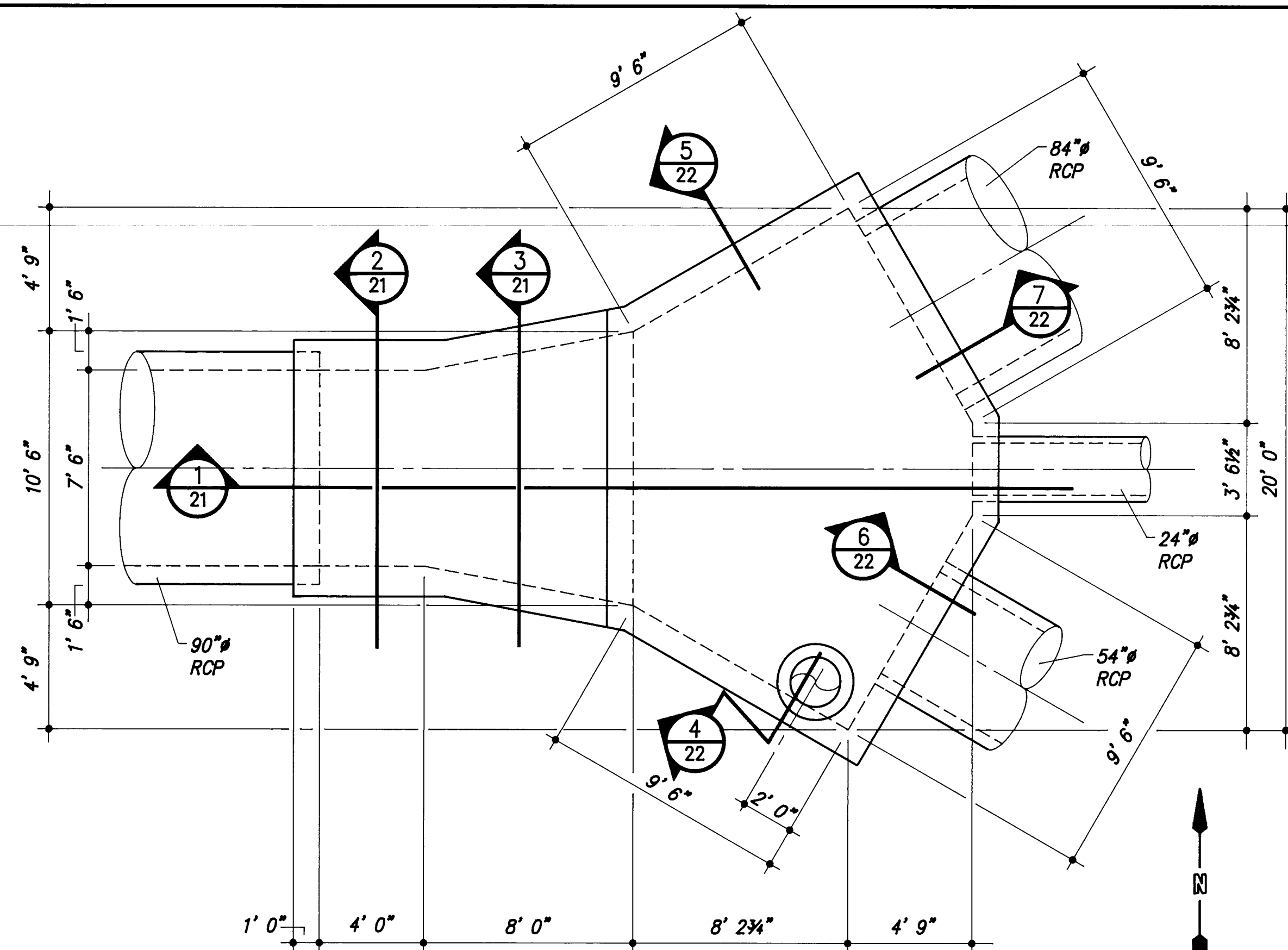
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: DETENTION BASIN DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>	2-5-92	WATER	<i>[Signature]</i>	1-31-92
TRANSPORT	<i>[Signature]</i>	1-22-92	WASTE WATER	<i>[Signature]</i>	..
HYDROLOGY	<i>[Signature]</i>	1-12-92			

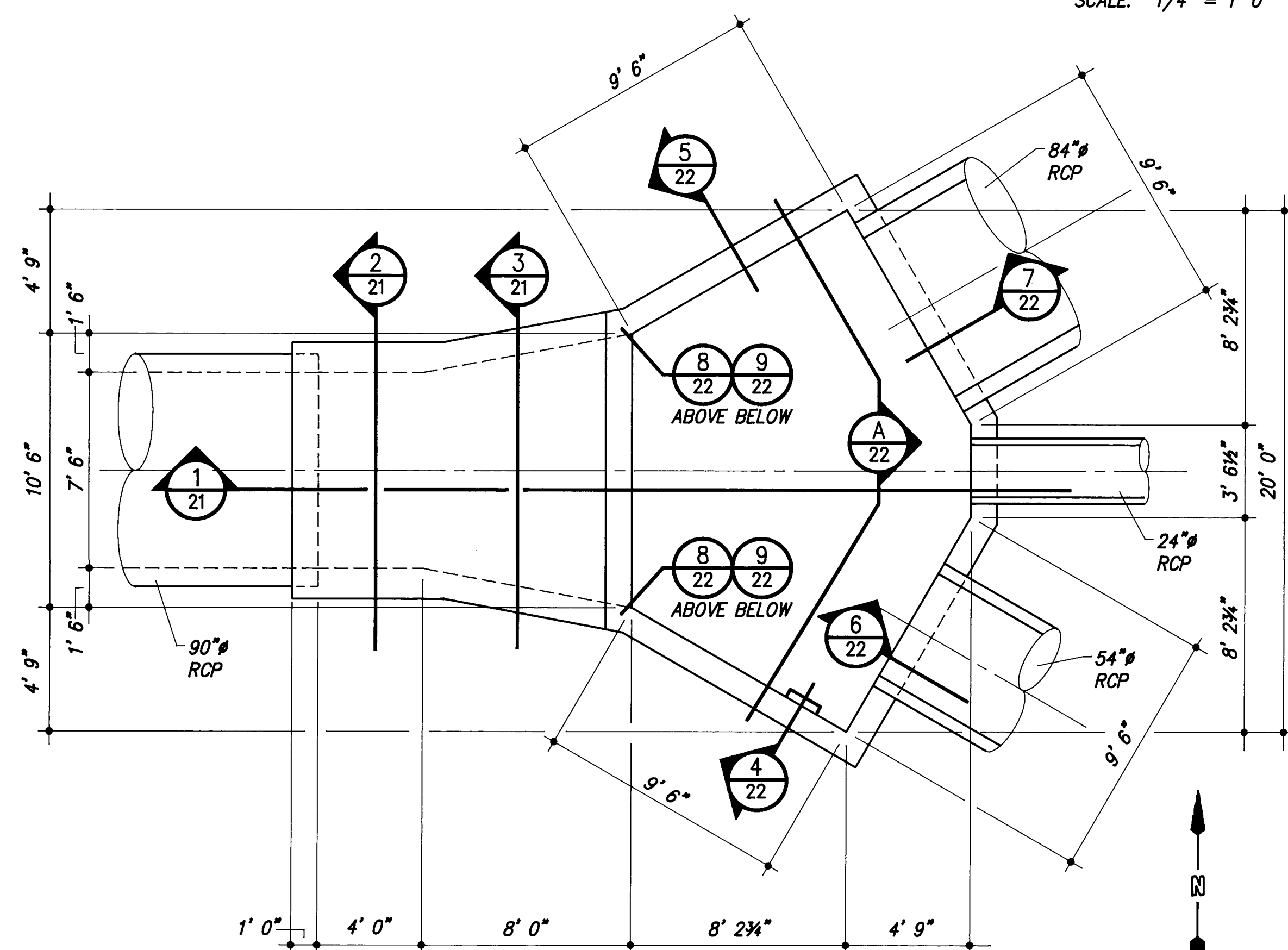
PROJECT NO.	MAP NO.	SHEET OF
4165.90	K-14,L-14	18 34

SCANNED BY
BY LASON



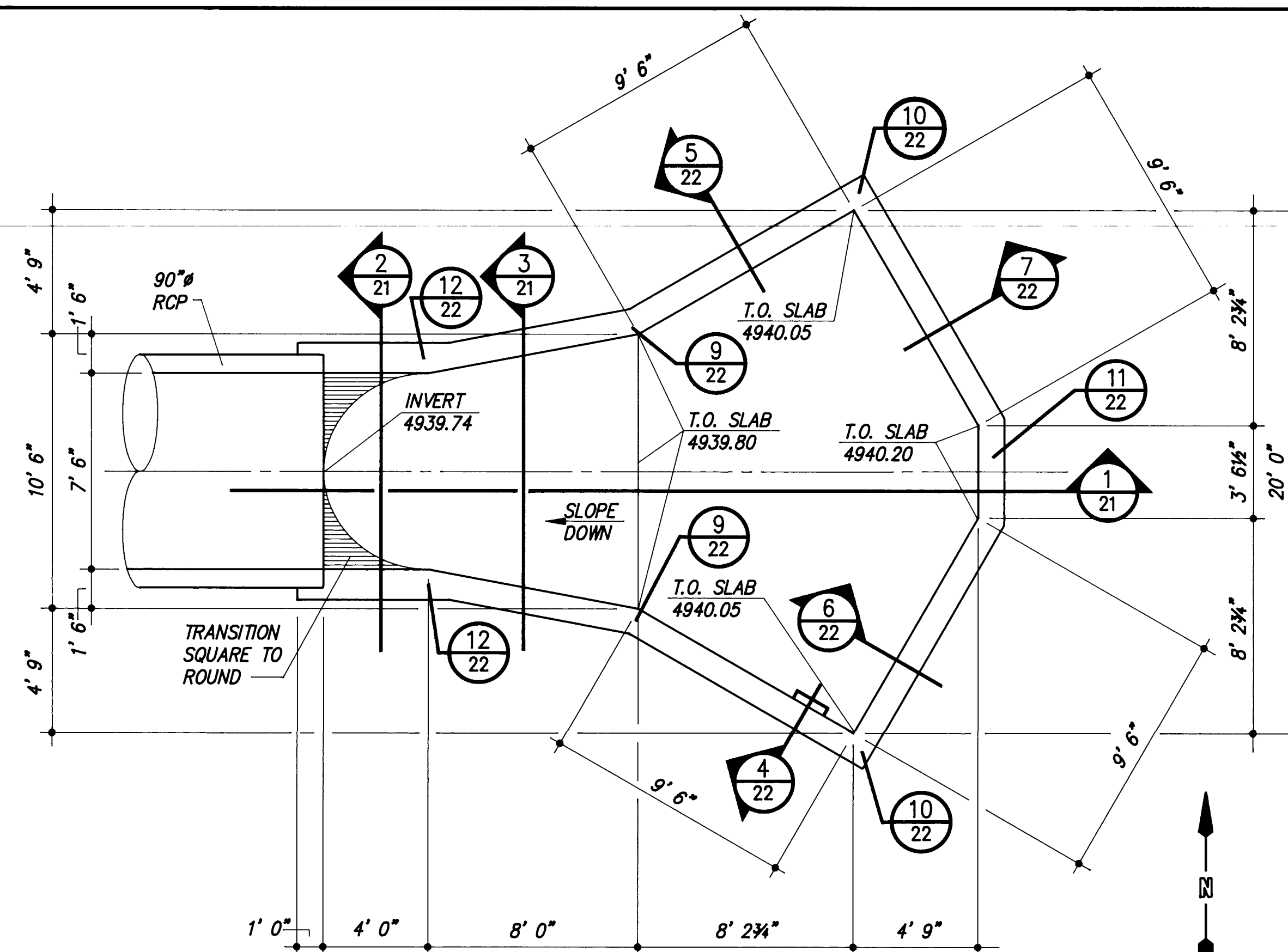
JUNCTION BOX - UPPER LEVEL PLAN

SCALE: 1/4" = 1' 0"



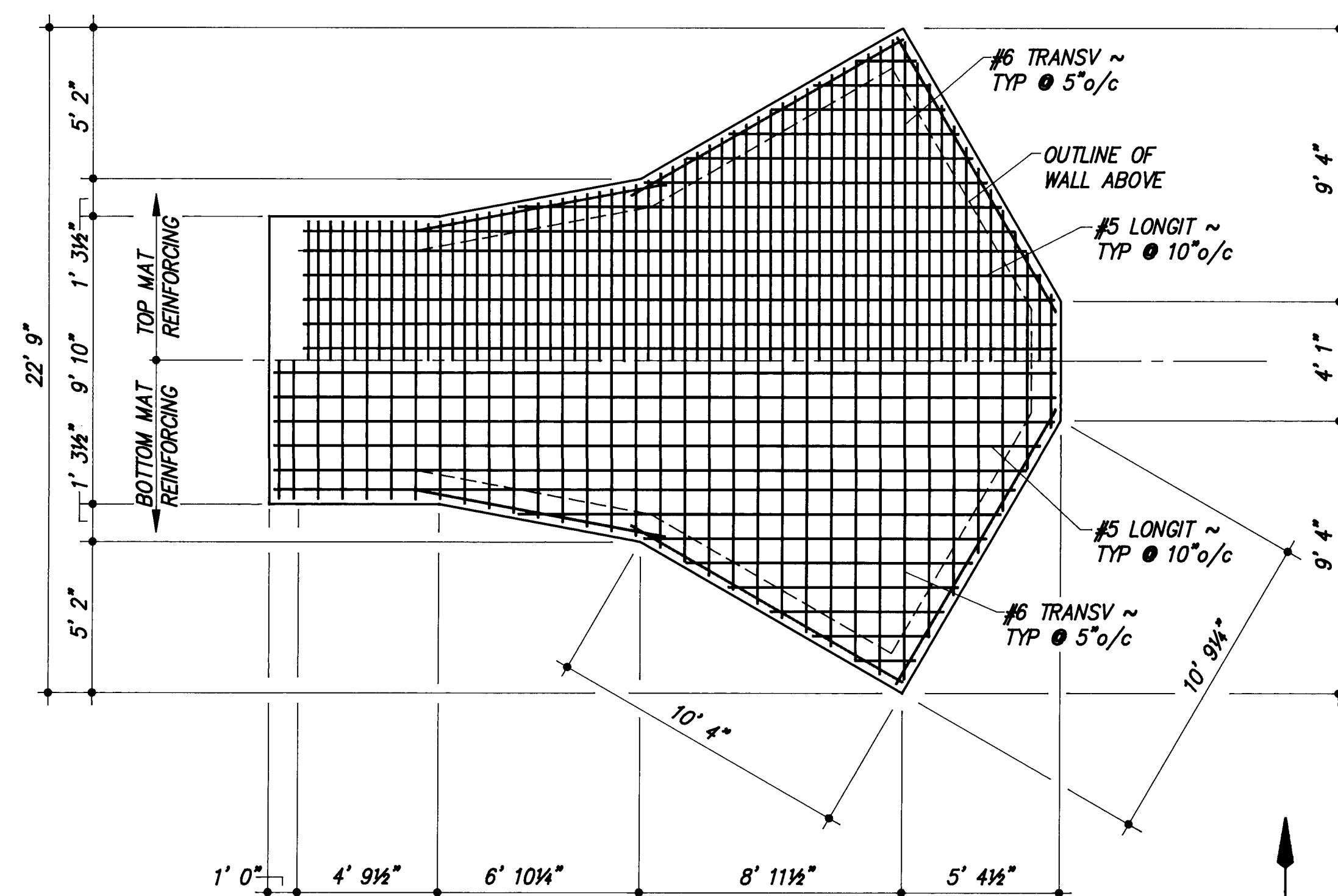
JUNCTION BOX - INTERMEDIATE LEVEL PLAN

SCALE: 1/4" = 1' 0"



JUNCTION BOX - FOUNDATION PLAN

SCALE: 1/4" = 1' 0"



NOTES:

1. SLAB REINFORCING IS SYMMETRICAL ABOUT LONGITUDINAL CENTERLINE. BARS ARE TO BE CONTINUOUS FOR FULL LENGTH OR WIDTH OF SLAB.
2. TOP OF SLAB IS NOT FLAT. SEE PLAN ABOVE FOR TOP OF SLAB ELEVATION.

JUNCTION BOX - FOUNDATION SLAB REINFORCING PLAN

SCALE: 1/4" = 1' 0"

STRUCTURAL DESIGN CRITERIA

VERTICAL LOADS

Live Load: HS 20-44
Allowance for future surfacing: 25 psf

SEISMIC CRITERIA

Seismic zone: 2b
Method of analysis: Equivalent static force method

FOUNDATION DESIGN CRITERIA

Maximum Vertical Pressures
Normal vertical loads 2000 psf
Full vertical loads 2500 psf

Lateral Pressures (Equivalent fluid weights)
At rest 55 pcf
Passive 250 pcf

STRUCTURAL MATERIALS

CONCRETE

Compressive strength (standard 6" x 12" cylinder at 28 days): 4000 psi
Cement: ASTM C150, type I or II
Aggregates: ASTM C33, 3/4" maximum coarse aggregate in walls and slabs, 3/8" maximum coarse aggregate in grout.
Entrained air: 4 to 7% by volume
Nominal unit weight: 145 pcf

REINFORCING STEEL

Bars: ASTM A615, deformed, epoxy coated to ASTM A775,
Grade 40 for ties and stirrups
Grade 60 for other uses

WATERSTOP

Center bulb type, 6" minimum width from all new neoprene, 2000 psi minimum tensile strength, 60 durometer minimum hardness. Provide unions of same material for splicing straight runs and prefabricated "L", "T" and other shapes of the same material as required for joining at corners and intersections.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 4165.902093

1. EXAMINE AND VERIFY THAT THE WORK OF THE CONTRACTOR MEETS THE REQUIREMENTS OF THE CITY OF ALBUQUERQUE, NEW MEXICO, AND THE STATE OF NEW MEXICO.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: JUNCTION BOX PLANS

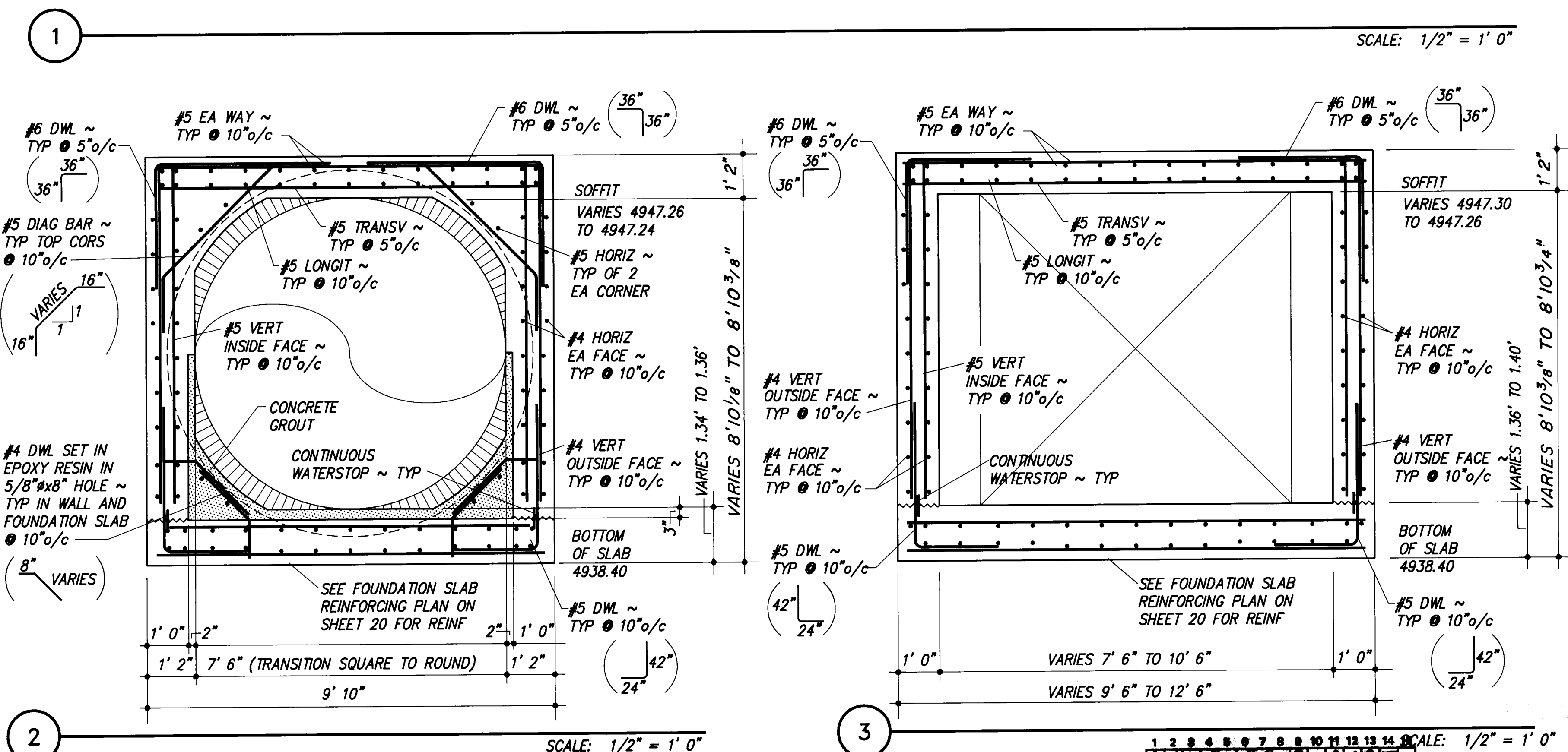
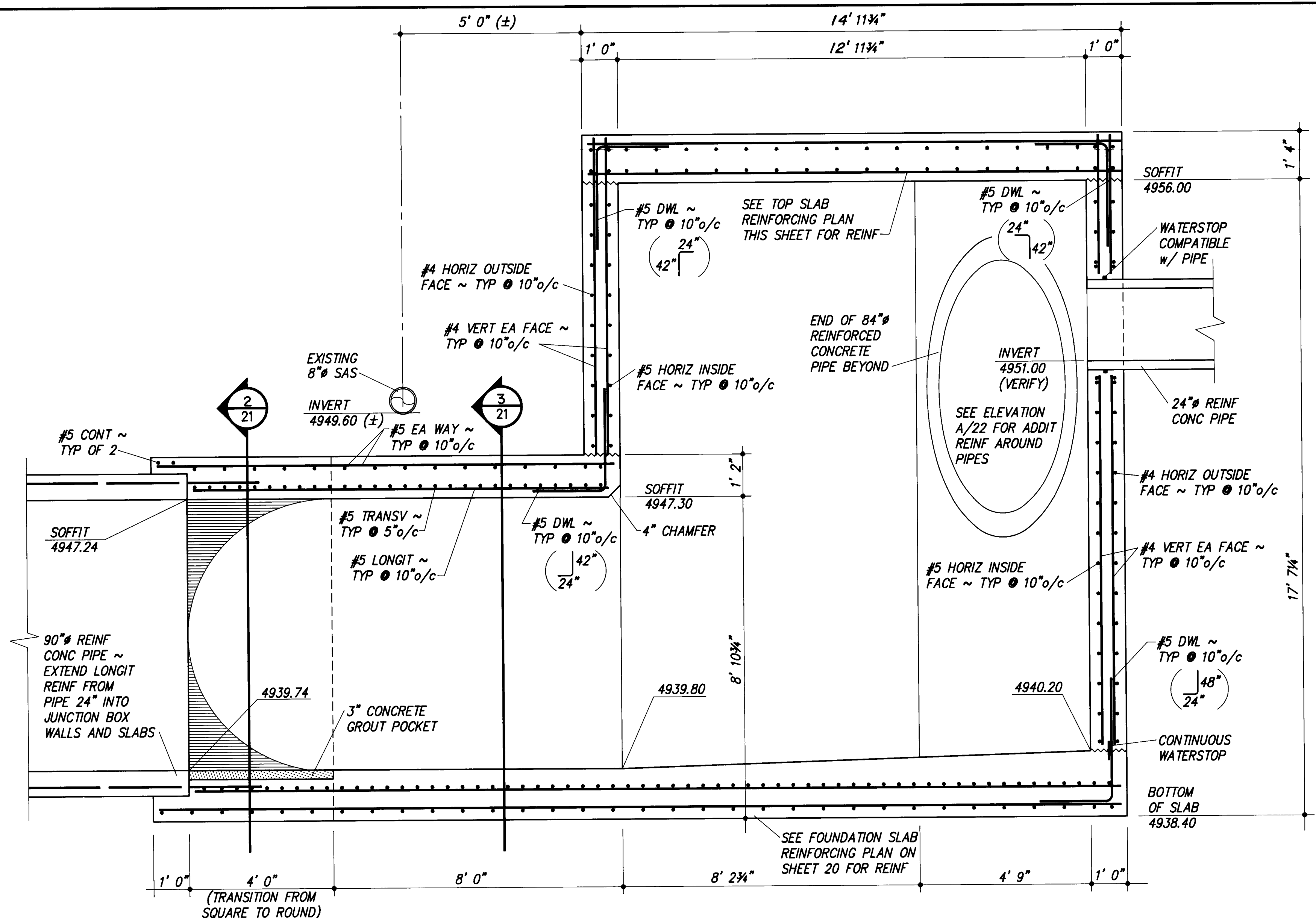
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>	2-25-92	WATER	<i>[Signature]</i>	1-31-92
TRANSPORT.	<i>[Signature]</i>	1-22-92	WASTE WATER	<i>[Signature]</i>	1-22-92
HYDROLOGY	<i>[Signature]</i>	1-17-92			

PROJECT NO. 4165.90 MAP NO. K-14 SHEET OF 20 34

SCANNED BY BY LASON

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES		AN ACS CONTROL CAP 9-K14 LOCATED AT THE INTERSECTION OF BROADWAY AND STADIUM		CONTRACTOR <u>NEW CONCRETO LTDA</u>	
		NO. BY DATE		INTERSECTION OF BROADWAY AND STADIUM		WORK INSPECTED BY <u>C. G. A.</u>	
		1 RESOURCE 4/91		X = 381,804.60 Y = 1,480,772.92 ELEV = 4961.11		ACCEPTANCE BY <u>D. Duenas</u>	
		TECHNOLOGY, INC 7/91		AN ACS BENCHMARK 15-K14 LOCATED AT THE INTERSECTION OF BROADWAY AND PACIFIC		FIELD DRAWINGS BY <u>PEREIRA TECH</u>	
				ELEV = 4957.597		CORRECTED BY <u>PEREIRA TECH</u>	
				AN ACS BENCHMARK 14-K14 LOCATED AT THE INTERSECTION OF BROADWAY AND HAZELDINE		MICRO-FILM INFORMATION	
				ELEV = 4965.108		RECORDED BY NO.	
Bachus Consulting Engineering STRUCTURAL ENGINEERS Hilaburguete, New Mexico							
DESIGNED BY LKG		DATE 11-15-91					
DRAWN BY BOE		DATE 11-15-91					
CHECKED BY CEB		DATE 11-15-91					
REMARKS		REVISIONS					
NO. DATE		BY					

TOP SLAB REINFORCING PLAN



GENERAL NOTES -
CONCRETE CONSTRUCTION

1. **REINFORCING.** Except as otherwise shown, reinforcing shall be detailed in accordance with the latest edition of the ACI Detailing Manual and installed in accordance with the latest edition of the CRSI Placing Manual. Hooks in reinforcing which are not otherwise detailed shall be standard ACI hooks. Splices in reinforcing which are not otherwise detailed shall be standard ACI Class B tension lap splices but splice lengths shall be not less than 24 inches.
2. **PLACEMENT OF REINFORCING AND OTHER ITEMS.** Reinforcing, dowels, and any other inserts shall be fastened securely into position before concrete is placed. The spacings shown for reinforcing and other anchorage items are maximums. Provide and install a sufficient number of items so that the spacings shown are not exceeded. The first and last items in a group of uniformly spaced items shall be located at not more than one-half the typical spacing of a structural element.
3. **CONTINUITY OF VERTICAL REINFORCING.** No splices permitted except as shown.
4. **CONTINUITY OF HORIZONTAL REINFORCEMENT.**
 - a) Foundation slab, walls: No splices except as shown.
 - b) Elevated slabs: No splices except as shown.
5. **CONSTRUCTION JOINTS.**
 - a) Foundation slab: Not permitted except as shown.
 - b) Walls: Construction joints shall be placed at locations to be selected by the Contractor subject to the following restrictions. There shall be no construction joints within 4 feet of any corner or intersection. Vertical keyways not less than 1-1/2 inches deep by 4 inches wide shall be provided at all construction joints in walls. Provide continuous water stops at construction joints in wall.
 - c) Elevated slabs: Not permitted except as shown.
6. **EMBEDDED PIPES AND CONDUITS.** No pipes, conduits or any other items used by other trades except those shown on the drawings shall be embedded in concrete or pass through concrete members without the prior approval of the Engineer.

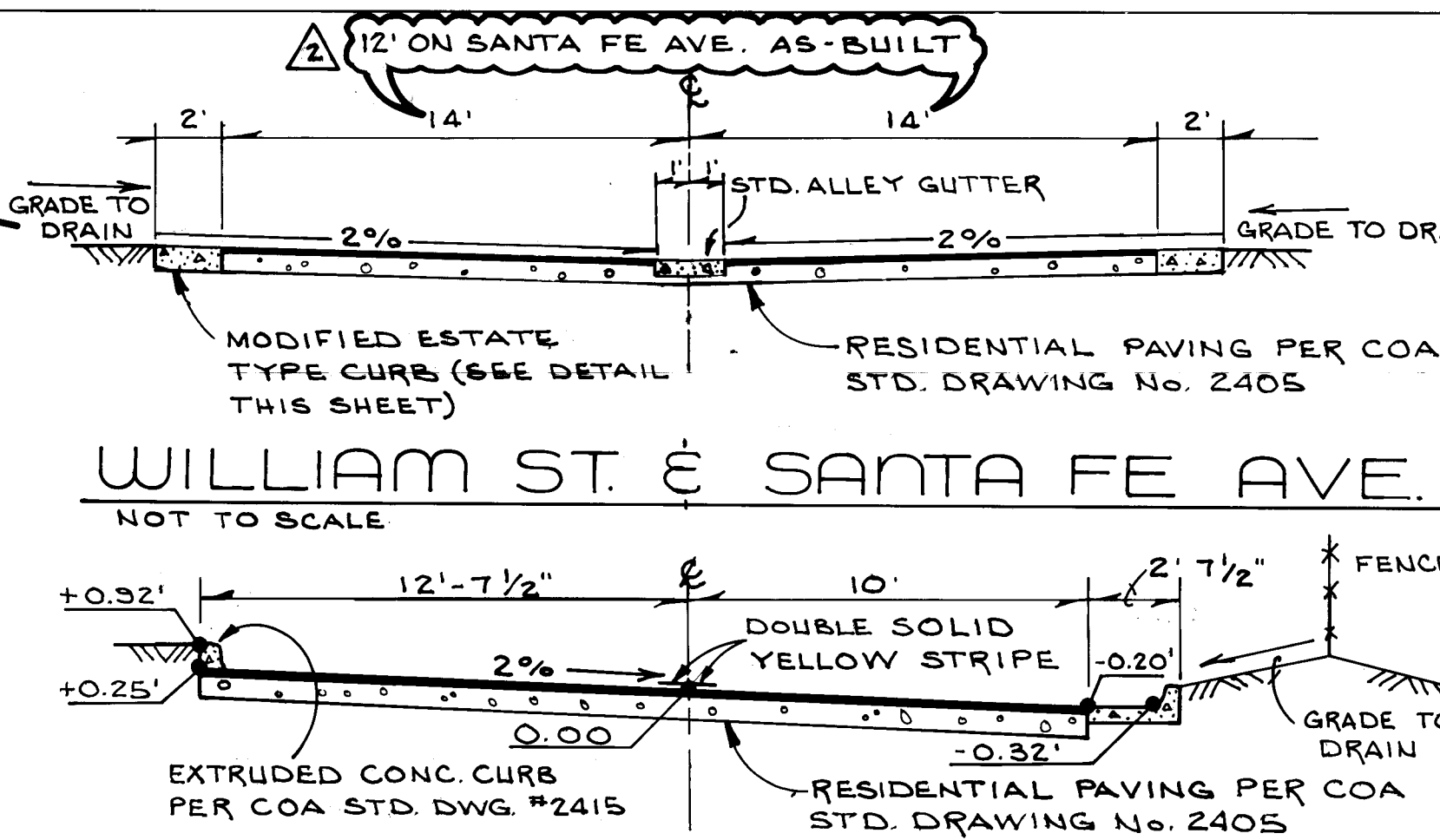
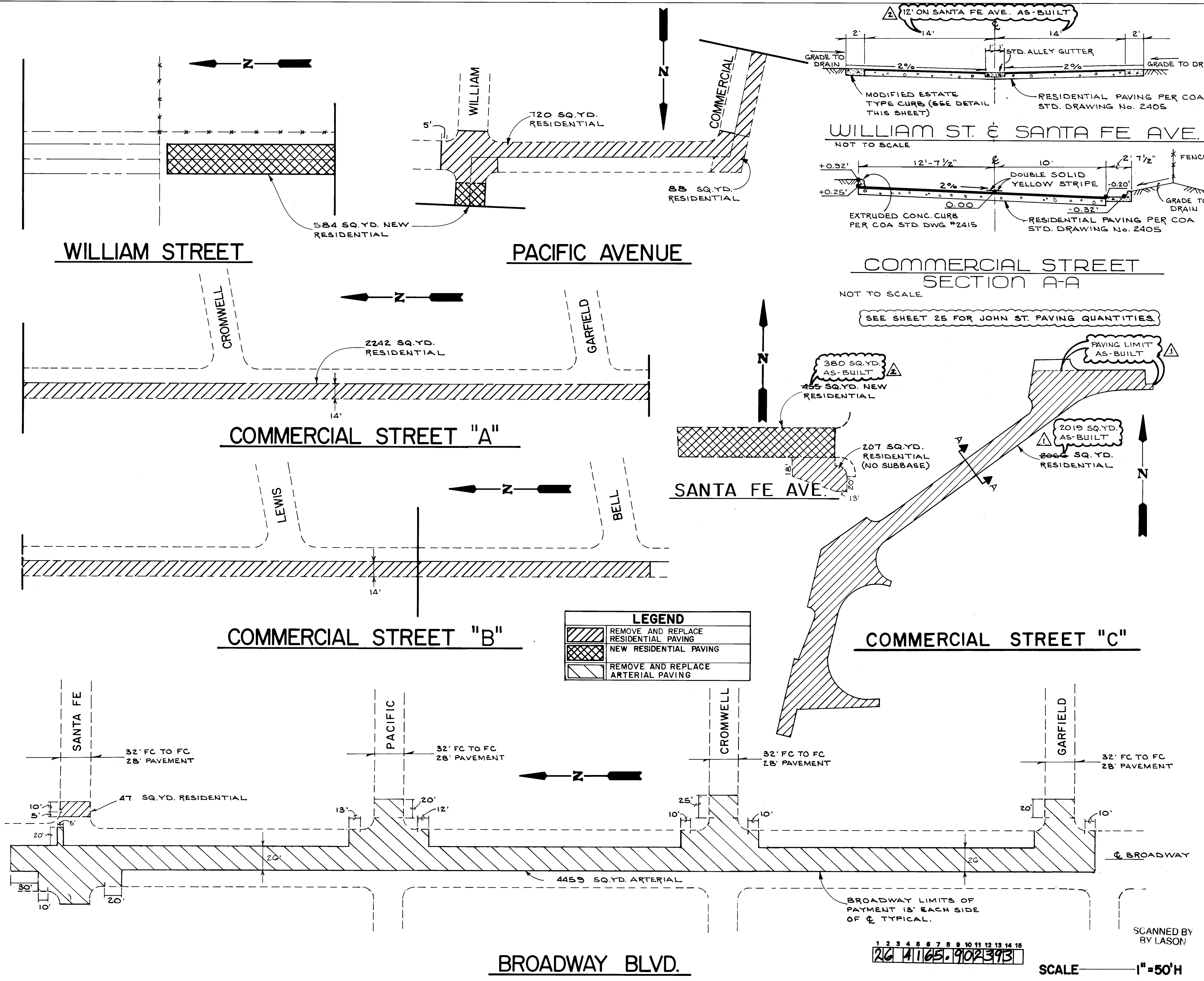
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: JUNCTION BOX
TOP SLAB PLAN AND SECTIONS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>Ronald</i>	2-5-92	WATER	<i>ALL</i>	1-31-92
TRANSPORT.	<i>M. B. H.</i>	1-22-92	WASTE WATER	<i>ALL</i>	"
HYDROLOGY	<i>Blanton</i>	1-17-92			

PROJECT NO. 4165.90	MAP NO. K-14	SHEET OF 21 34
------------------------	-----------------	-------------------

		ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
				FIELD NOTES		AN ACS CONTROL CAP 9-114 LOCATED AT THE INTERSECTION OF BROADWAY AND STADIUM		CONTRACTOR <i>New Gateway, Inc</i>	
				NO. BY DATE		X=381,804.60 Y=1,480,772.92 ELEV.=4961.11		WORK STARTED BY <i>A.C.I.</i> DATE	
				1 RESOURCE 4/91 TECHNOLOGY, INC 7/91		AN ACS BENCHMARK 15-K14 LOCATED AT THE INTERSECTION OF BROADWAY AND PACIFIC		FIELD ADJUSTANCE BY <i>D. DOWNS</i> DATE	
REMARKS		BY				AN ACS BENCHMARK 14-K14 LOCATED AT THE INTERSECTION OF BROADWAY AND HAZELDINE		DRAWINGS CORRECTED BY <i>ABRABASE</i> <i>TEJAL</i> DATE	
DESIGNED BY LKG		DATE 11-14-91				ELEV.=4965.597		MICRO-FILM INFORMATION	
DRAWN BY BCE		DATE 11-14-91				AN ACS BENCHMARK 14-K14 LOCATED AT THE INTERSECTION OF BROADWAY AND HAZELDINE		RECORDED BY	
CHECKED BY CEB		DATE 11-14-91				ELEV.=4965.108		NO.	



NOTES

- CONSTRUCT PAVING TO CURB RETURNS AND CENTERLINE UNLESS OTHERWISE SHOWN.
- SEE TRAFFIC CONTROL PLANS FOR TEMPORARY PAVING LOCATIONS AND QUANTITIES.
- COMPACTED SUBGRADE (SUBGRADE PREPARATION) IN PAVEMENT REPLACEMENT SECTIONS, ASSOCIATED TRENCHING & UTILITY WORK SHALL BE INCLUDED IN TRENCHING AND/OR UTILITY EXCAVATION. SUBGRADE PREPARATION WILL BE PAID FOR SEPARATELY FOR NEW PAVING AND FOR COMMERCIAL ST. "C". SEE SECTION 301.7.2 OF THE SPECIFICATIONS.
- AT CONTRACTORS OPTION, THE LOWER 2 LIFTS MAY BE COMBINED INTO 1-4" LIFT OF 1500 LB STABILITY.
- ALL PAVEMENT STRIPS OR AREAS WITH LEAST DIMENSION LESS THAN 6 FEET SHALL BE REMOVED AND REPLACED WITH NEW PAVING.

MODIFIED ESTATE TYPE CURB

ACCESS ROAD SURFACING

ARTERIAL STREET PAVING

PER DRAWING NO. 2407
SEE NOTE 3

RESIDENTIAL STREET PAVING

PER DRAWING NO. 2405
SEE NOTE 3

LEGEND

[Hatched Box]	REMOVE AND REPLACE RESIDENTIAL PAVING
[Cross-hatched Box]	NEW RESIDENTIAL PAVING
[Diagonal Lines]	REMOVE AND REPLACE ARTERIAL PAVING

ENGINEER'S SEAL

LUCKER H. SPEER
REGISTERED PROFESSIONAL ENGINEER
STATE OF NEW MEXICO
1073

CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: PAVING SCHEMATIC PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>	2-5-92	WATER	<i>[Signature]</i>	1-13-92
TRANSPORT.	<i>[Signature]</i>	1-22-92	WASTE WATER	<i>[Signature]</i>	"
HYDROLOGY	<i>[Signature]</i>	1-17-92			

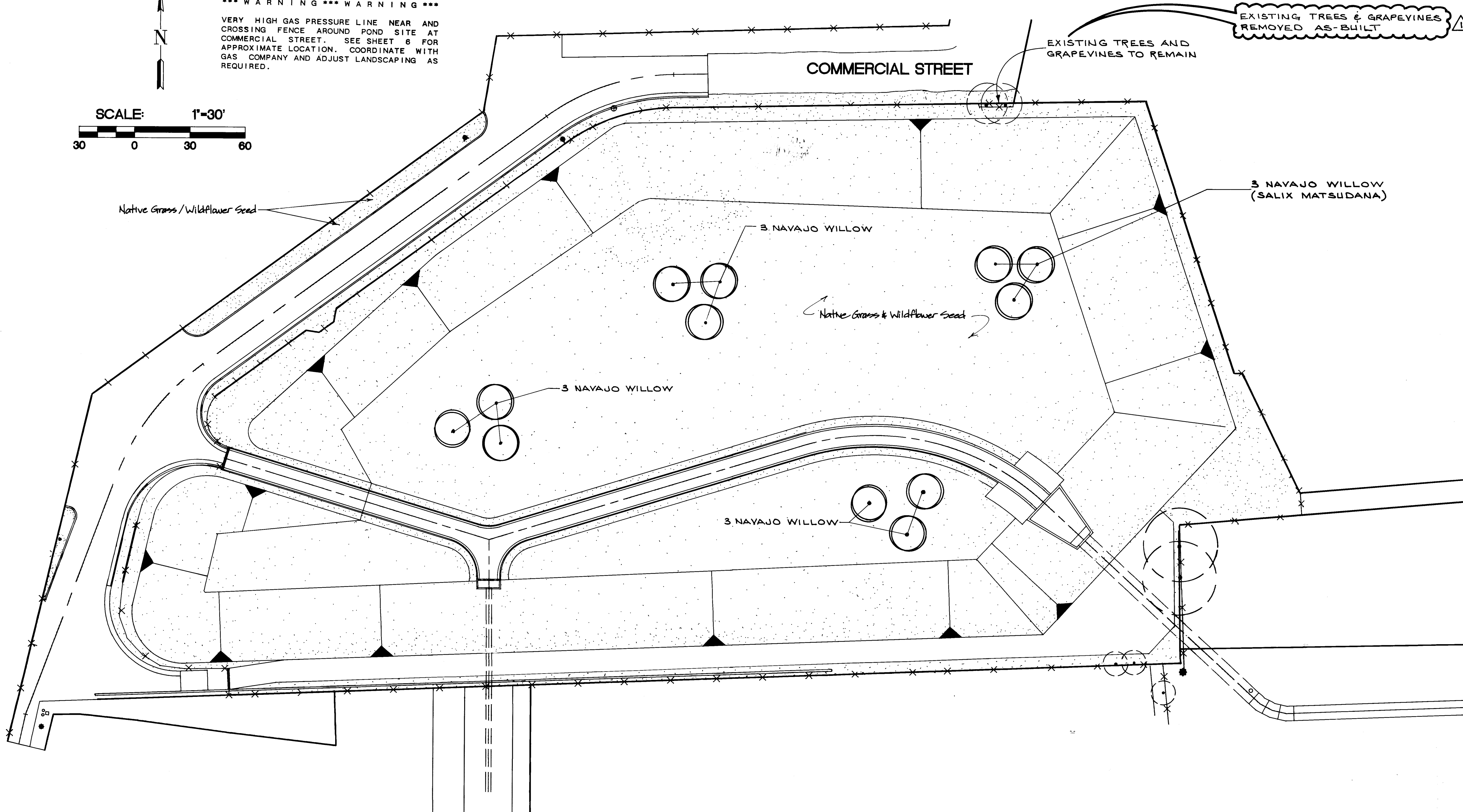
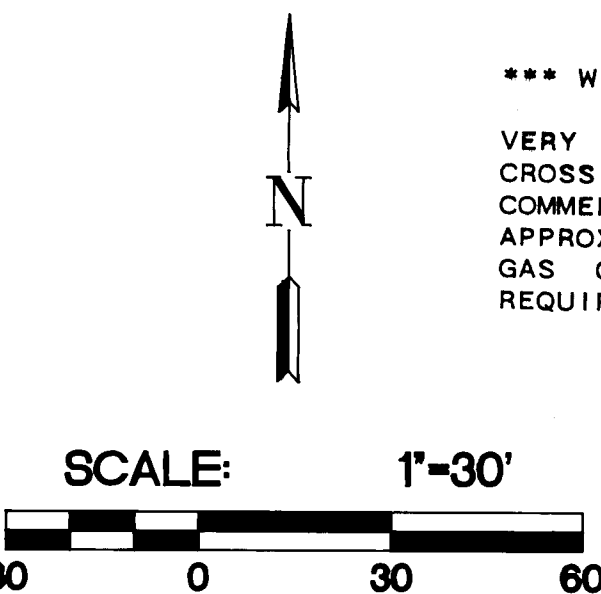
PROJECT NO.	4165.90	MAP NO.	K-14, L-14	SHEET	23	OF	34
-------------	---------	---------	------------	-------	----	----	----

SCANNED BY LASON

26 11165.902393

SCALE 1"=50'H

Resource Technology, Inc.
ENGINEERS & ENVIRONMENTAL SCIENTISTS
3100 GRIFFIN AVE. - SUITE 200, ALBUQUERQUE, NEW MEXICO 87113
TELEPHONE - (505) 248-3118



TREES WILL BE PLANTED PER SECTION 1005 OF C.O.A. STANDARD SPECIFICATIONS.

SEEDING WILL BE PER SECTION 1011 OF THE C.O.A. STANDARD SPECIFICATIONS

TREES SHALL BE CLUSTERED AS SHOWN BUT AT LEAST 10 FEET APART AND AT LEAST 25 FEET FROM ANY CHANNEL OR STRUCTURE.

ALL TREES TO BE 2" CALIPER MINIMUM.

PLANT ALL TREES IN PLANTING PITS PER STD. DWG. # 2714.

LEGEND

NATIVE GRASS AND WILDFLOWER SEED

Resource Technology, Inc.
ENGINEERS & ENVIRONMENTAL SCIENTISTS
2124 OSUNA NE - SUITE 200, ALBUQUERQUE, NEW MEXICO 87113
TELEPHONE - (505) 345 - 3118

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:
LANDSCAPE PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>	2-5-92	WATER	<i>[Signature]</i>	1-31-92
TRANSPORT	<i>[Signature]</i>	1-22-92	WASTE WATER	<i>[Signature]</i>	..
HYDROLOGY	<i>[Signature]</i>	1-17-92			

PROJECT NO.	MAP NO.	SHEET OF
4165.90	K-14,L-14	26 34

SCANNED BY
BY LASON

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	BY	DATE	AN ACS CONTROL CAP 9-114 LOCATED AT THE INTERSECTION OF BROADWAY AND STADIUM	CONTRACTOR	DATE
1	RESOURCE TECHNOLOGY, INC.	4/91	X=381,804.60 Y=1,480,772.92 ELEV.=4961.11	STAKED BY C.O.A.	DATE
			AN ACS BENCHMARK 15-K14 LOCATED AT THE INTERSECTION OF BROADWAY AND PACIFIC	INSPECTOR'S FIELD CHECK BY D. DAVIS	DATE
				VERIFICATION BY	DATE
				CORRECTED BY	DATE
				ELEV.=4957.597	
				AN ACS BENCHMARK 14-K14 LOCATED AT THE INTERSECTION OF BROADWAY AND HAZELDENE	RECORDED BY
				ELEV.=4965.108	NO.

I, ELINDO V. JARA, CERTIFY THAT THE DRAWING IS THE "AS BUILT" DIMENSION OF THE WORK BY SUPPLY

2-10-92

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.

2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.

3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.

4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.

5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.

6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION GA-4 OF THE MUTCD, LATEST EDITION.

7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.

8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.

9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.

10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION GA-4.

11. CONTRACTOR SHALL NOT BEGIN WORK BEFORE 8:30 A.M. OR END WORK AFTER 4:00 P.M. WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.

13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELLED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELLING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.

15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.

16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.

17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.

18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION GA-4 OF THE MUTCD, LATEST EDITION.

19. 24 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.

20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.

22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.

23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

PROJECT CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

24. THE SPEED LIMIT ON THIS PROJECT SHALL BE 25 MPH FOR THE PURPOSE OF DETERMINING THE TRAFFIC CONTROL PARAMETERS.

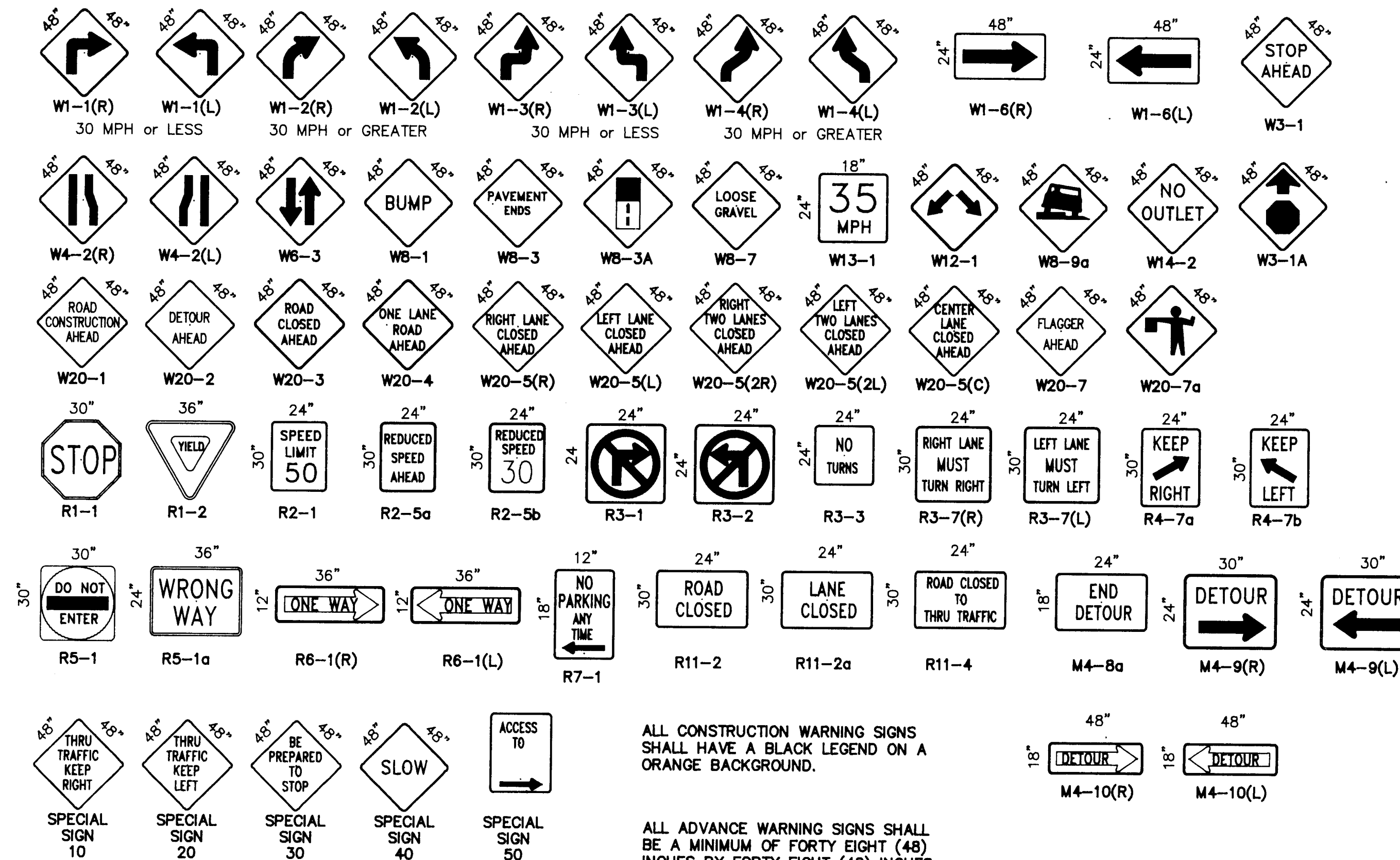
25. THE WORK AREA ON THIS PROJECT SHALL BE LIMITED AS SHOWN IN THE PLANS IF THE CONTRACTOR DESIRES A LONGER WORK AREA, HE SHALL SUBMIT THE REQUEST ACCOMPANIED BY AN APPROPRIATE, DETAILED TRAFFIC CONTROL PLAN, TO THE CITY, FOR APPROVAL PRIOR TO PERFORMING ANY WORK IN THE AFFECTED PHASE.

26. WORK ZONES ARE INTENDED TO BE MOBIL AND 300' IN LENGTH, EXCEPT AT THE INTERSECTION OF BROADWAY AND SANTA FE WHICH SHALL BE 180'. THE WORK ZONES ARE TO BE MOVED TO ACCOMMODATE THE CONSTRUCTION INCLUDING THROUGH INTERSECTIONS.

27. JOHN STREET FROM THE INTERSECTION OF PACIFIC TO THE NORTH END MAY BE CONSIDERED ONE WORK ZONE. ACCESS TO RESIDENCES ON JOHN STREET SHALL BE MAINTAINED AT ALL TIMES. CONSTRUCTION ACTIVITY SHALL BE CONTINUOUS ON JOHN STREET FROM INITIATION TO COMPLETION.

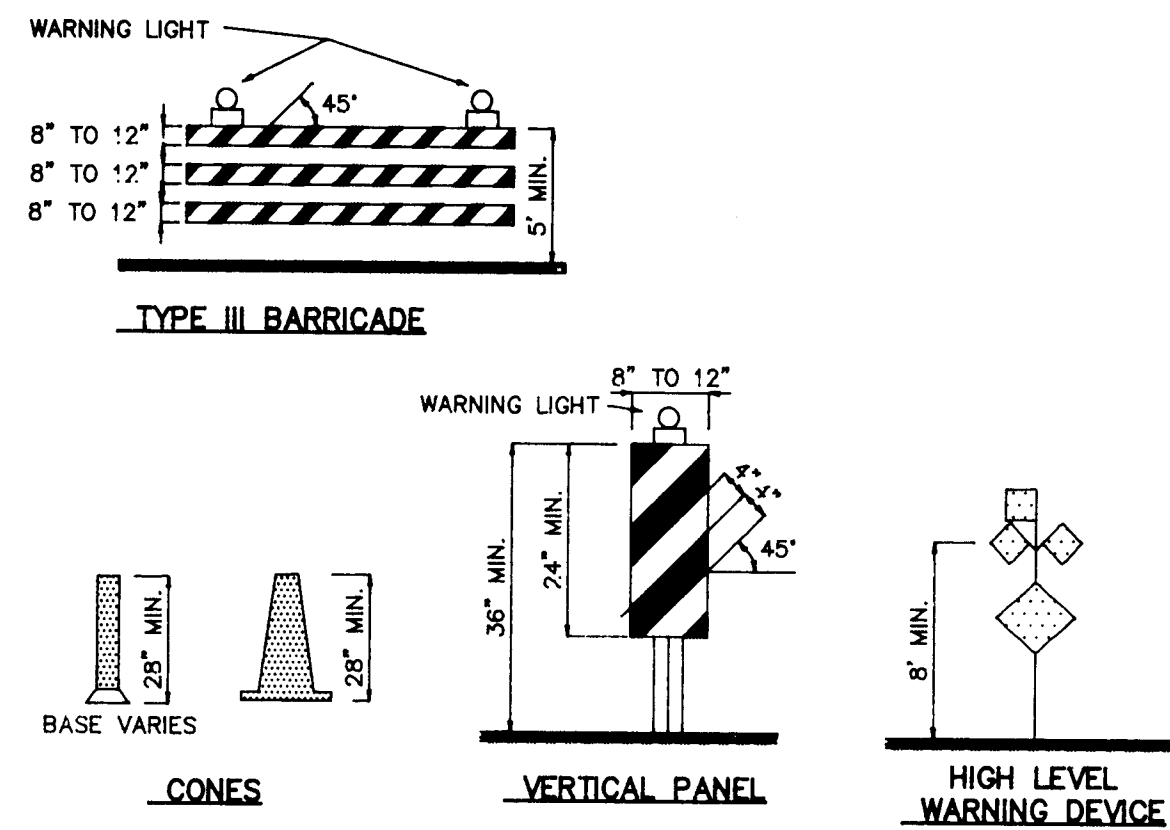
28. PORTABLE SIGN SUPPORTS SHALL BE STEEL MASTER MODEL 50 OR EQUAL.

SIGN FACE DETAILS



ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF FORTY EIGHT (48) INCHES BY FORTY EIGHT (48) INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.



LEGEND

WORK AREA
BARRICADE - TYPE I, TYPE II, OR BARREL
BARRICADE - TYPE III
VERTICAL PANEL
WARNING SIGN
DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
FLAGMAN POSITION
SPACING BETWEEN BARRICADES- A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET
TAPER LENGTH - SEE CHART BELOW
THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

TAPER REQUIREMENTS

SPEED LIMIT (MPH)	TAPER LENGTH (FEET)			MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET	
	10' LANE	11' LANE	12' LANE		ALONG TAPER	AFTER TAPER
20	70	75	80	5	20	50
25	105	115	125	6	25	60
30	150	165	180	7	30	70
35	205	225	245	8	35	80
40	270	295	320	9	40	90
45	450	495	540	13	45	100
50	500	550	600	13	50	100
55	550	605	660	13	55	40

RECOMMENDED SIGN SPACING FOR ADVANCE WARNING SIGN SERIES

SPEED MILES PER HOUR	MINIMUM DISTANCE IN FEET	
	BETWEEN SIGNS	FROM LAST SIGN TO TAPER
0-20	200	200
25-30	300	250
30-35	300	300
40-45	500	400
50-60	500-1600	500-1000

TAPER CRITERIA

TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

SPEED LIMIT	
40 MPH OR LESS	$L = \frac{WS^2}{60}$
45 MPH OR GREATER	$L = W \times S$
L = TAPER LENGTH W = WIDTH OF OFFSET IN FEET S = POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH	

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

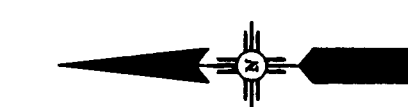
TITLE: SOUTH BROADWAY DET. BASIN
CONSTRUCTION TRAFFIC CONTROL

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	Reg. 11/10	2-5-92	WATER		
TRANSPORTATION	N/A	1-2-92	WASTE WATER		
HYDROLOGY	N/A				

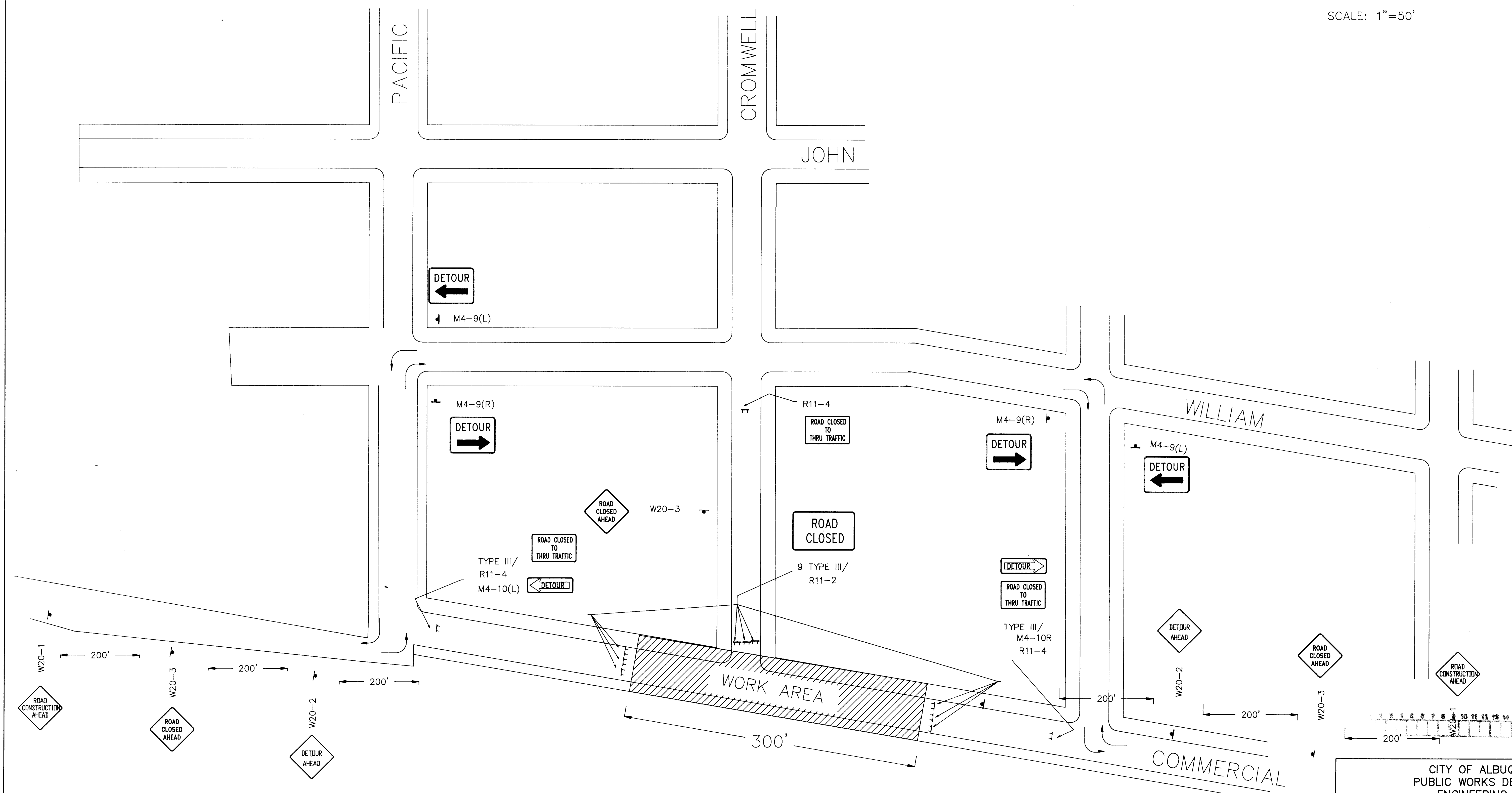
PROJECT NO. 4165.90

MAP NO. K-14 L-14

SHEET 27 OF 34



SCALE: 1"=50'

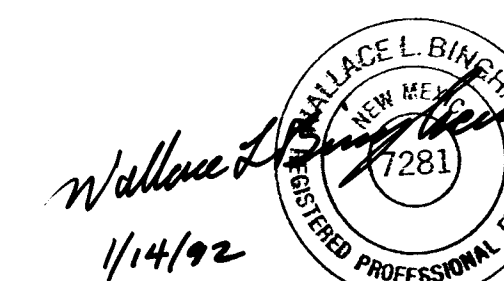


A.T. & S.F. R.R. YARD

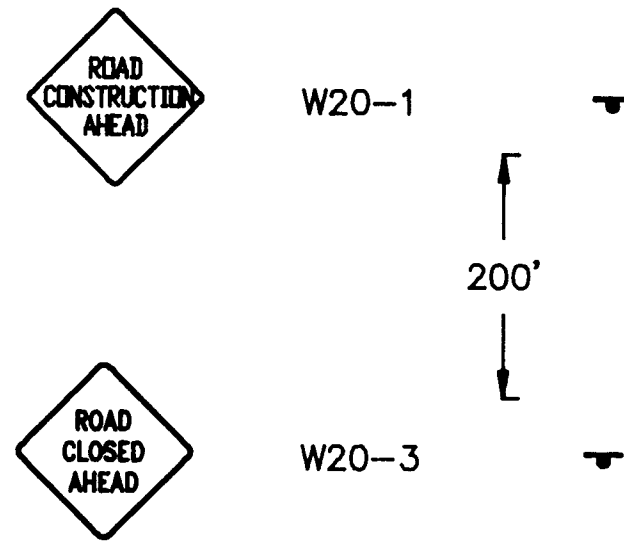
PHASE 1

26 4165.90 29 34

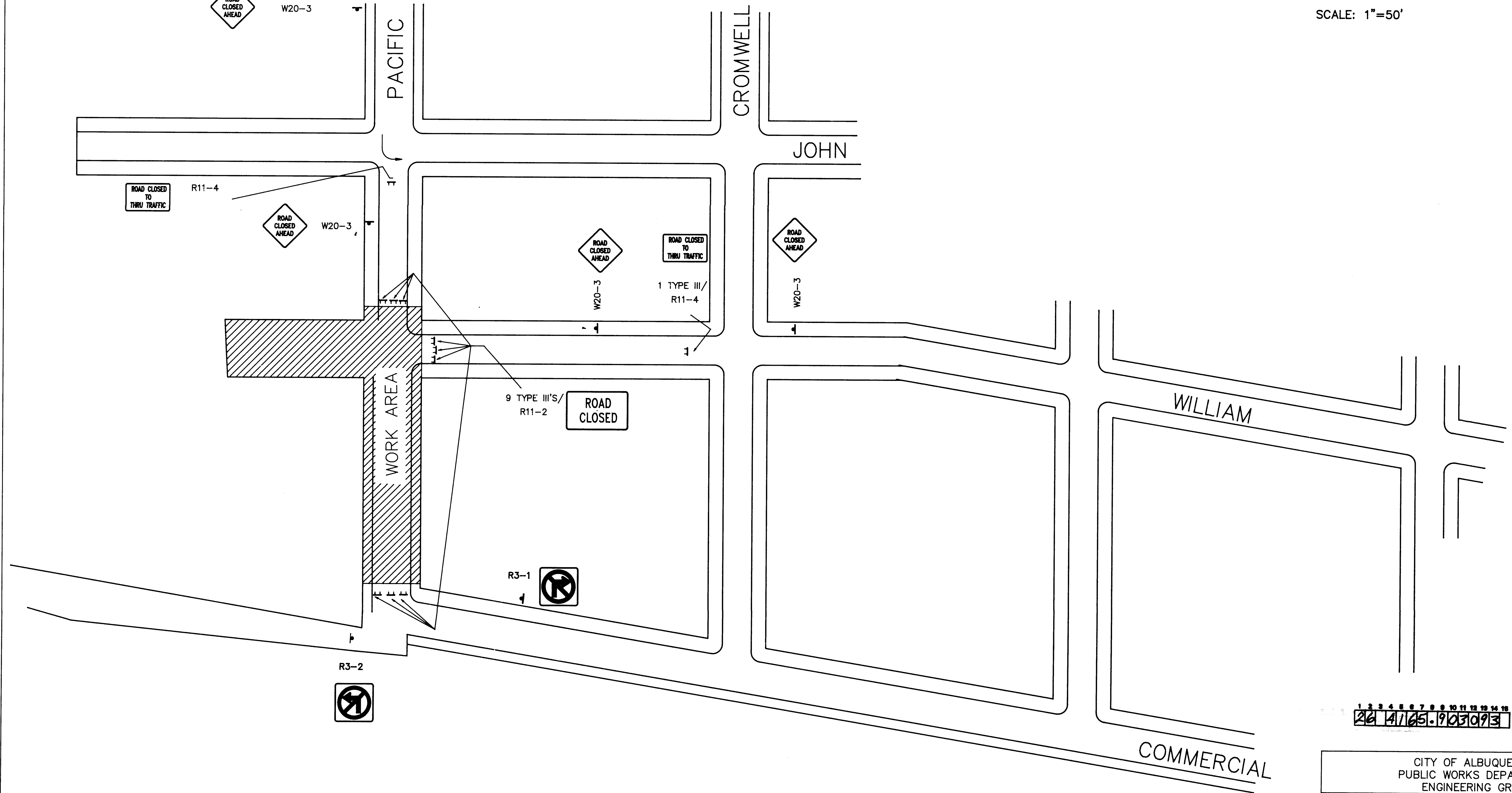
SCANNED BY
BY LASON



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: SOUTH BROADWAY DET. BASIN					
SO. COMM. ST. CONST. TRAFFIC CONTROL					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>Roybal</i>	2-5-92	WATER		
TRANSPORTATION	<i>NA R40</i>	1-22-92	WASTE WATER	<i>NA</i>	
HYDROLOGY	<i>NA</i>				
Cons. Coord.	<i>R. Roybal</i>	1/17/92			
PROJECT NO.	4165.90	MAP NO.	K-14 L-14	SHEET	29 OF 34



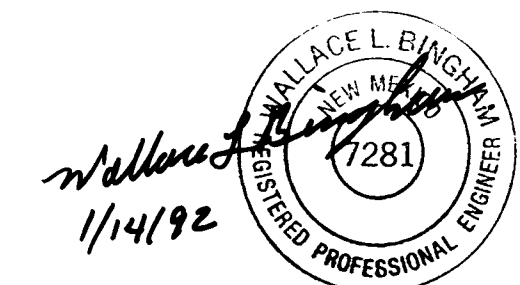
SCALE: 1"=50'



A.T. & S.F. R.R. YARD

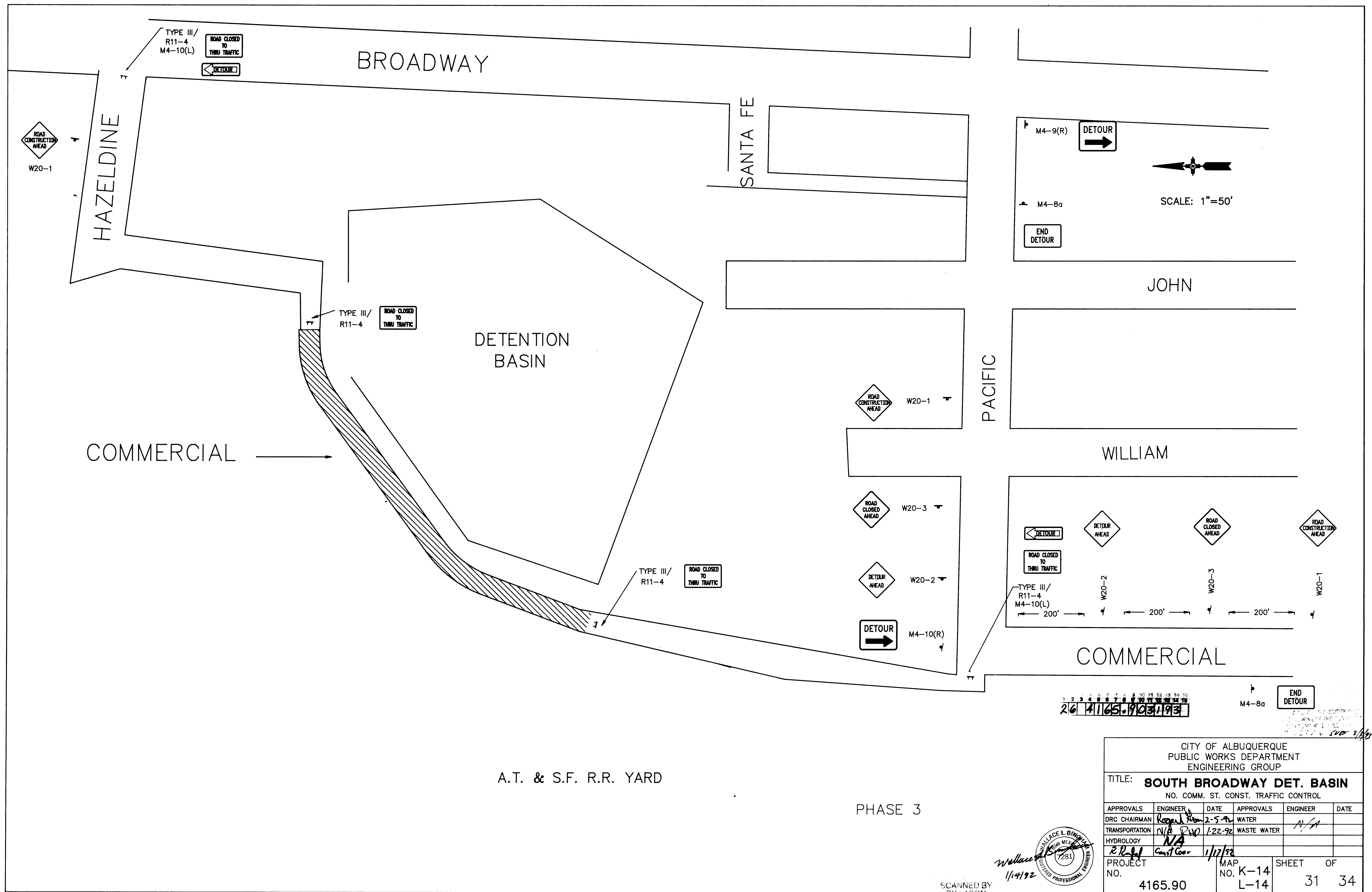
PHASE 2

SCANNED BY
BY LASON

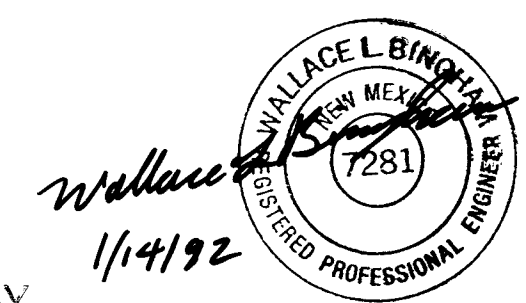


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 4165.90 3093

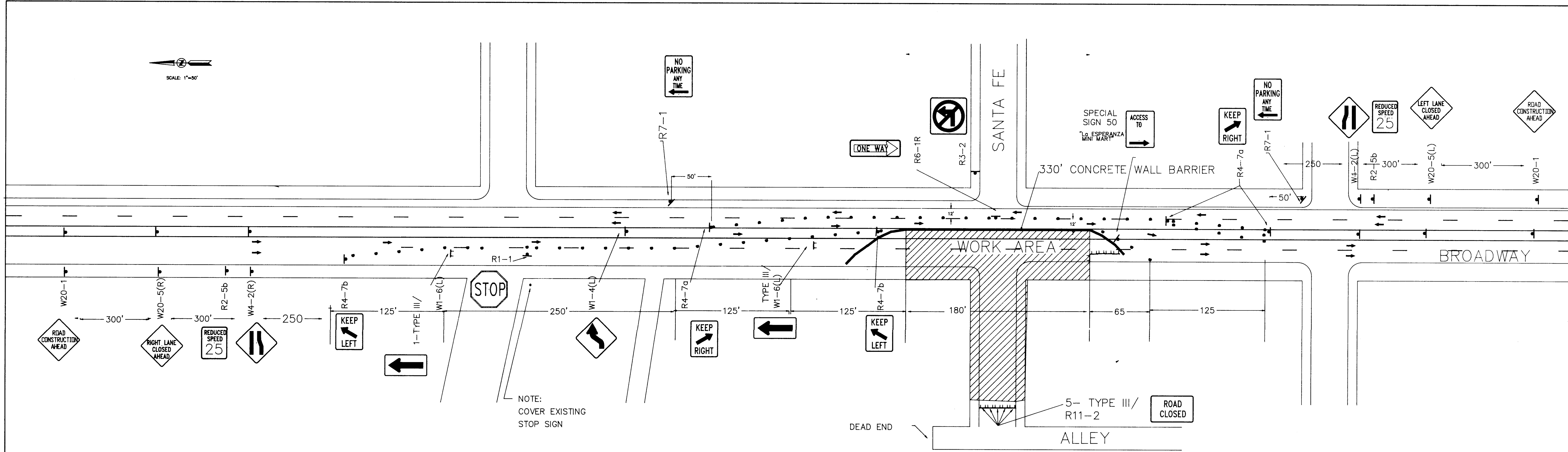
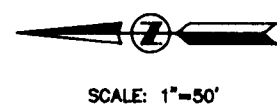
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: SOUTH BROADWAY DET. BASIN					
WM. & PAC. ST. CONST. TRAF. CONTROL SIGNING					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>	7-5-92	WATER	N/A	
TRANSPORTATION	<i>[Signature]</i>	1-22-92	WASTE WATER		
HYDROLOGY	N/A				
Const Coord	<i>[Signature]</i>	1/17/92			
PROJECT NO.	4165.90	MAP NO.	K-14 L-14	SHEET OF	30 34



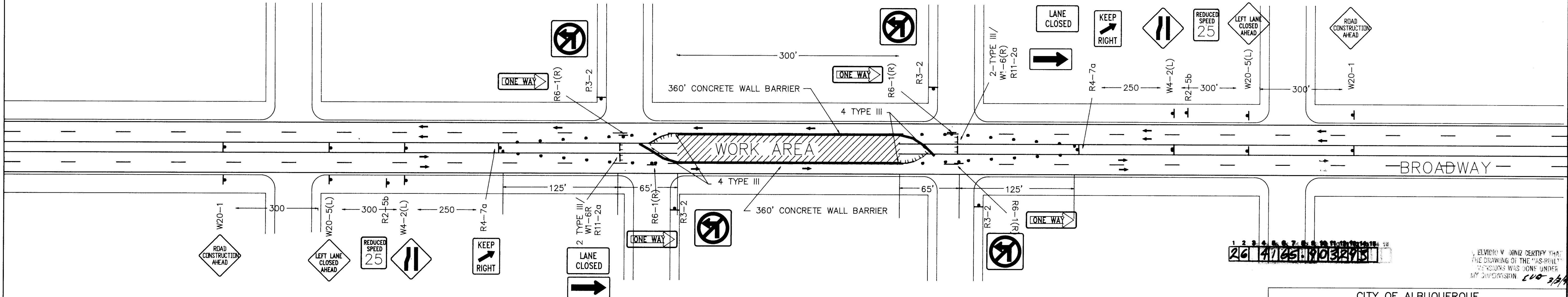
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: SOUTH BROADWAY DET. BASIN					
NO. COMM. ST. CONST. TRAFFIC CONTROL					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>Roger L. Smith</i>	2-5-92	WATER	<i>NA</i>	
TRANSPORTATION	<i>N/A</i>	1-22-92	WASTE WATER		
HYDROLOGY	<i>NA</i>				
PROJECT NO.	4165.90		MAP NO.	K-14 L-14	
SHEET 31			OF 34		



SCANNED BY
BY LASON



CLOSURE OF EXTERIOR THREE LANES
PHASE 4

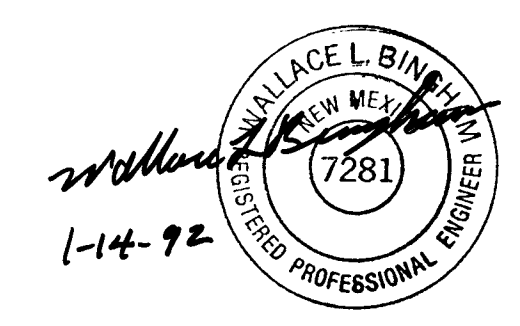


CLOSURE OF INTERIOR THREE LANES
PHASE 5

26 4165.90 32913

ELVIDO V. DINZ CERTIFY THAT
THE DRAWING OF THE "AS-BUILT"
VERSIONS WAS DONE UNDER
MY SUPERVISION 200 3/3/92

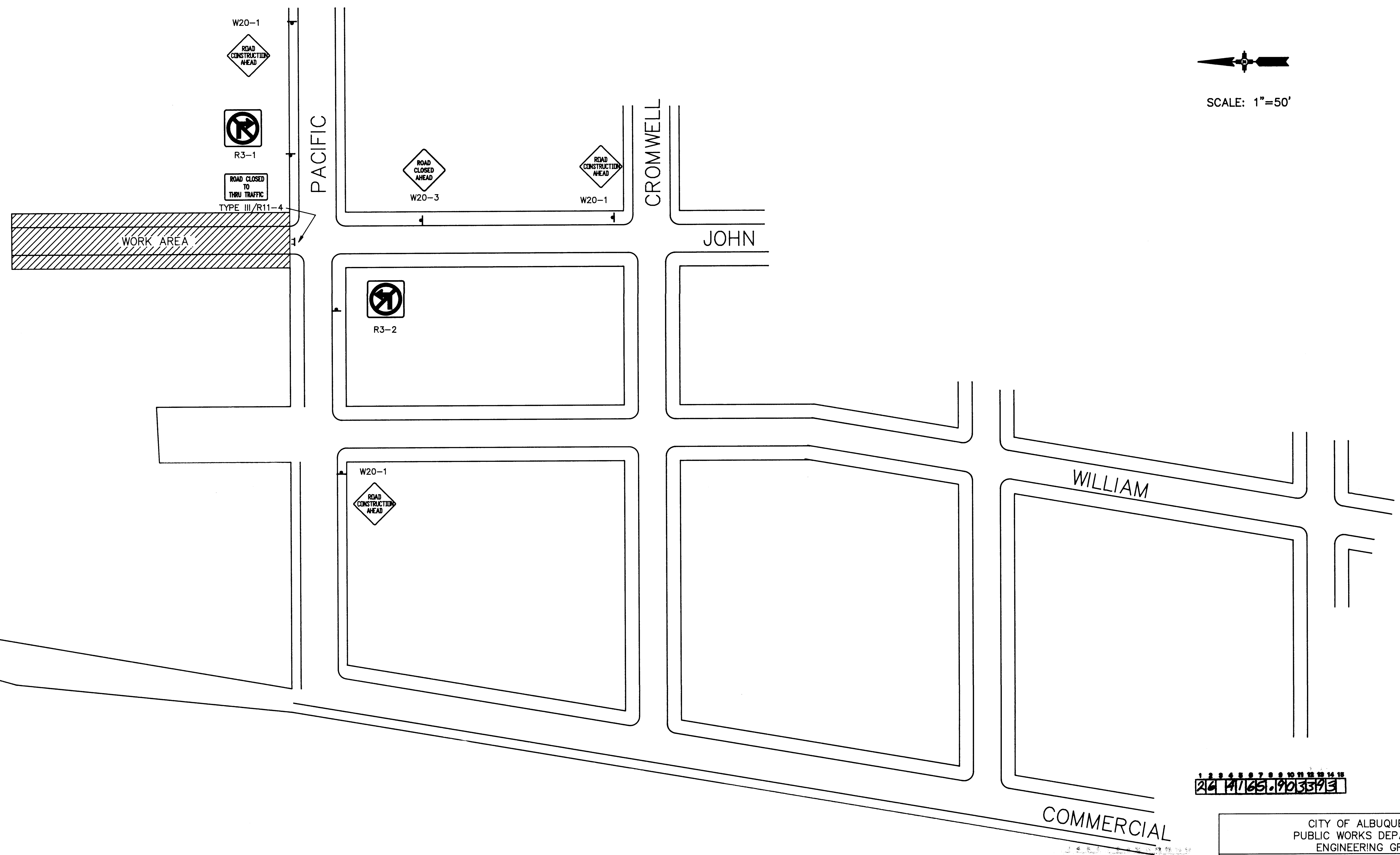
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: SOUTH BROADWAY DET. BASIN BROADWAY CONSTRUCTION TRAFFIC CONTROL					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>R. Rangel</i>	2-5-92	WATER	<i>N/A</i>	
TRANSPORTATION	<i>N/A</i>	1-22-92	WASTE WATER		
HYDROLOGY	<i>N/A</i>				
Const. Coord.	<i>R. Rangel</i>	1/17/92			
PROJECT NO.	4165.90	MAP NO. K-14 L-14	SHEET OF 32 34		



SCANNED BY
BY LASON



SCALE: 1"=50'



24 11/16/92 1903393

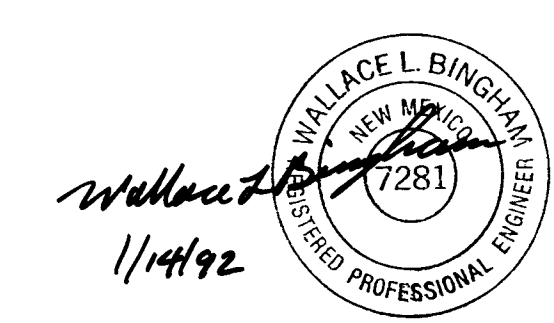
ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP STANDARDS AND SPECIFICATIONS. 5/1/92

A.T. & S.F. R.R. YARD

JOHN STREET PHASE

COMMERCIAL

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: SOUTH BROADWAY DET. BASIN JOHN STREET CONST. TRAFFIC CONTROL					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>R. L. D.</i>	2-5-92	WATER	<i>N/A</i>	
TRANSPORTATION	<i>N/A</i>	1-22-92	WASTE WATER		
HYDROLOGY	<i>N/A</i>				
Cost Coord.	<i>R. L. D.</i>	1/1/92			
PROJECT NO.	4165.90	MAP NO. K-14 L-14	SHEET OF 33 34		



SCANNED BY
BY LASOR

1/14/92

SIGN CODE	NO. OF SIGNS	TOTAL SIGN AREA SQ.FT.	POST LENGTHS				MOUNTING REQUIREMENTS					BASE-POSTS		
			LEFT	CTR.	RIGHT	TOTAL	FLANGED CHANNEL			DRIVEDOWN POSTS 0.1345 THICK		PORTABLE SIGN SUPPORT	No.	TOTAL LENGTH
						2.25 LB.FT.	3.00 LB.FT.	4.00 LB.FT.	2 3/16 X 2 3/16	2 1/2 X 2 1/2				
PHASE 1 COMMERCIAL STREET SOUTH														
W20-1	2	32	11.25		11.25	45		X			X		4	14
W20-3	3	48	11.25		11.25	67.5		X			X		6	21
W20-2	2	32	11.25		11.25	45		X			X		4	14
R11-4	3	15					MOUNTED ON	TYPE III	BARRICADE					
M4-10R	1	6					MOUNTED ON	TYPE III	BARRICADE					
M4-10L	1	6					MOUNTED ON	TYPE III	BARRICADE					
R11-2	9	45					MOUNTED ON	TYPE III	BARRICADE					
M4-9R	2	10	11.25		11.25	22.5		X			X		4	14
M4-9L	2	10	11.25		11.25	22.5		X			X		4	14
SUBTOTAL		204				202.5								77
PHASE 2 PACIFIC AND WILLIAM STREETS														
W20-1	1	(16)	11.25		11.25	(22.5)		X			X		2	7
W20-3	2	(32)	11.25		11.25	(45)		X			X		4	14
W20-2	1	(16)	11.25		11.25	(22.5)		X			X		2	7
R11-4	2	(10)					MOUNTED ON	TYPE III	BARRICADE					
R11-2	9	(45)					MOUNTED ON	TYPE III	BARRICADE					
W20-3	1	16	11.25		11.25	(22.5)		X			X		2	7
R3-2	1	4		11.25		(11.25)		X			X		1	3.5
R3-1	1	4		11.25		(11.25)		X			X		1	3.5
SUBTOTAL		20				0'								42
PHASE 3 COMMERCIAL NORTH OF BASIN														
W20-1	2	(32)	11.25		11.25	(45)							4	14
W20-3	2	(32)	11.25		11.25	(45)							4	14
W20-2	2	(32)	11.25		11.25	(45)							4	14
R11-4	3	(15)					MOUNTED ON	TYPE III	BARRICADE					
M4-10L	2	(6) 6					MOUNTED ON	TYPE III	BARRICADE					
W20-1	1	16	11.25		11.25	(22.5)							2	7
R11-4	1	5					MOUNTED ON	TYPE III	BARRICADE					
M4-8a	2	6		9		(18)		X			X		2	7
M4-9(R)	2	(6) 6		9		(18)		X			X		2	7
SUBTOTAL		33				0								63
PHASE 4 CLOSURE OF EXTERIOR THREE LANES BROADWAY BOULEVARD														
W20-1	3	(48)	11.25		11.25'	(67.5)		X			X		6	21
W20-5R	2	32	11.25		11.25	(45)		X			X		2	7
W20-5L	2	32	11.25		11.25	(45)		X			X		2	7
R4-7a	3	15										3		
R4-7b	2	10										2		
R1-1	1	4.5										1		
W1-6L	2	16					MOUNTED ON	TYPE III	BARRICADE					
W4-2R	2	32					MOUNTED ON	TYPE III	BARRICADE					
W1-4L	1	16										1		
R6-1R	1	3										1		
R3-2	1	(4)		9		9'		X			X		1	3.5
R11-2	5	(25)					MOUNTED ON	TYPE III	BARRICADE					
W4-2L	2	32	11.25		11.25	(45)							4	14
R7-1	2	3		9		18							2	7
R2-5b	2	10		9		18		X			X		2	7
SPECIAL SIGN 50	1	16										1		
W20-1	1	16	11.25		11.25	22.5		X			X		2	7
SUBTOTAL		237.5				67.5						9		73.5
PHASE 5 CLOSURE OF INTERIOR THREE LANES BROADWAY BOULEVARD														
W20-1	2	(32)	11.25		11.25	(45)		X			X		4	14
W20-5L	2	(32)	11.25		11.25	(45)		X			X		4	14
W4-2L	2	(32)	11.25		11.25	(45)		X			X		4	14
R4-7a	2	(10)										(2)		
R3-2	1	(4)		9		9		X			X		1	3.5
R6-1R	1	(3)		9		9		X			X		1	3.5
W1-6R	4	32					MOUNTED ON	TYPE III	BARRICADE					
R11-2a	4	20					MOUNTED ON	TYPE III	BARRICADE					
R2-5b	2	(10)		9		(18)		X			X		2	7
W20-5L	2	32	11.25		11.25	(45)		X			X		4	14
R3-2	3	12		9		(27)		X			X		3	10.5
R6-1R	3	9										(4)		
W4-2L	2	32	11.25		11.25	(45)		X			X		4	14
W20-1	2	(32)	11.25		11.25	45		X			X		4	14
SUBTOTAL	1	137				63		X			X	0		108.5
JOHN STREET PHASE														
W20-1	3	(48)	11.25		11.25	(67.5)		X			X		6	21
W20-3	1	(16)	11.25		11.25	(22.5)		X			X		2	7
R11-4	1	(5)					MOUNTED ON	TYPE III	BARRICADE					
R3-1	1	(4)		9		(9)		X			X		1	3.5
R3-2	1	(4)		9		(9)		X			X		1	3.5
SUBTOTAL		0				0						0		35
		768.5				333						9		406

() SIGN(S) AND/OR SUPPORT(S) USED IN OTHER CONSTRUCTION PHASE(S). NO ADDITIONAL PAYMENT THEREFORE.
* NO ADDITIONAL POST NEEDED. SIGN TO BE MOUNTED ON COMMON POST WITH ANOTHER SIGN.
** INDICATES SIGNS PREVIOUSLY PAID FOR.

SUMMARY OF QUANTITIES

ITEM NO.	BID ITEM	UNITS		TOTAL
	CONSTRUCTION SIGNING	SQ.FT.	770	
	STEEL POSTS AND BASE POSTS FOR CONSTRUCTION SIGNING	LIN.FT.	750	
	BARRICADE, TYPE I	EACH		
	BARRICADE, TYPE II	EACH		
	BARRICADE, TYPE III-8 FT.	EACH	12	
	BARRICADE, TYPE III-6 FT.	EACH		
	VERTICAL PANEL, SINGLE TYPE	EACH		
	VERTICAL PANEL, BACK TO BACK TYPE	EACH		
	CONSTRUCTION TRAFFIC MARKER	EACH		
	PORTABLE SIGN SUPPORT	EACH	9	
	CHANNELIZATION DEVICE-(BARREL)-TYPE "A"	EACH		
	CHANNELIZATION DEVICE-(BARREL)-TYPE "B"	EACH	56	
	SEQUENTIAL ARROW DISPLAY	EACH		
	REFLECTIVE BARRIER DELINEATOR	EACH		
	TUBULAR TRAFFIC MARKER	EACH		
	TRAFFIC CONES	EACH		
	REFLECTORIZED PAINTED MARKINGS	LIN.FT.		
	ADHESIVE MARKING TAPE FOR CONSTRUCTION ZONES	LIN.FT.		
	ADHESIVE NON-METALLIC MARKING TAPE	LIN.FT.		
	SAND-BARREL VEHICULAR IMPACT ATTENUATOR UNIT	EACH		
	REMOVAL OF PAVEMENT STRIPE	LIN.FT.		
	PRECAST CONCRETE WALL BARRIER	LIN.FT.	720	
	W-BEAM/BARREL BARRIER	LIN.FT.		
	HAULING PRECAST CONCRETE WALL BARRIER	LIN.FT.		
	RESETTING OF PRECAST WALL BARRIER	LIN.FT.	2490	
	TEMPORARY REFLECTIVE PAVEMENT MARKER TYPE "TD"	EACH		
	CLEANING OF REFLECTIVE SURFACES ON TRAFFIC CONTROL DEVICES	SQ.FT.		

I, ELIJAH V. BINGHAM, CERTIFY THAT THE WORK DONE BY THE CONTRACTOR UNDER MY SUPERVISION, 2/2/92

26 141 03.903493

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: SOUTH BROADWAY DET. BASIN TRAFFIC CONTROL DEVICES FOR CONSTRUCTION SUMMARY OF QUANTITIES					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	Reginald	2-5-92	WATER	N/A	
TRANSPORTATION	10/1/92	1-22-92	WASTE WATER		
HYDROLOGY	NA	1/17/92			
PROJECT NO.	4165.90	MAP NO. K-14 L-14	SHEET OF 34 34		

SCANNED BY
BY LASON

