

FACE OF CURB = MATCHLINE - SEE SHEET C5

FACE OF CURB = MATCHLINE - SEE SHEET C6

- ### GRADING & DRAINAGE NOTES
- EXCEPT AS PROVIDED HEREIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS PLAN.
 - THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL MEASURES SHALL BE INCIDENTAL TO THE PROJECT COST.
 - ALL WORK RELATIVE TO FOUNDATION CONSTRUCTION, SITE PREPARATION, AND PAVEMENT INSTALLATION, AS SHOWN ON THIS PLAN, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "GEOTECHNICAL INVESTIGATION" BY VAYARD & ASSOCIATES, AS PROVIDED BY THE ARCHITECT OR OWNER. ALL OTHER WORK SHALL, UNLESS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT, (FIRST PRIORITY) SPECIFICATIONS, AND/OR THE CITY OF ALBUQUERQUE (COA) STANDARD SPECIFICATIONS FOR PUBLIC WORKS (SECOND PRIORITY).
 - EARTH SLOPES SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL UNLESS SHOWN OTHERWISE.
 - IT IS THE INTENT OF THESE PLANS THAT THIS CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE OF THE PROPERTY BOUNDARIES EXCEPT AS REQUIRED BY THIS PLAN.
 - THE CONTRACTOR IS TO ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO ADJACENT PROPERTY OR PUBLIC RIGHT-OF-WAY. THIS SHOULD BE ACHIEVED BY CONSTRUCTING TEMPORARY BERM AT THE PROPERTY LINES PER DETAIL ON SHEET C14 AND NETTING THE SOIL TO PROTECT IT FROM WIND EROSION.
 - A DISPOSAL SITE FOR ANY & ALL EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL AND/OR A BORROW SITE CONTAINING ACCEPTABLE FILL MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL OR BORROW SITE AND Haul TO OR FROM SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.
 - PAVING AND ROADWAY GRADES SHALL BE +/- 0.1' FROM PLAN ELEVATIONS. PAD ELEVATION SHALL BE +/- 0.05' FROM BUILDING PLAN ELEVATION.
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 - ALL CORRUGATED METAL PIPES SHALL BE FULLY ASPHALT COATED OR ALUMINIZED STEEL TYPE-2, 18" & SMALLER TO BE 16 GAUGE, PIPES 24"-30" TO BE 14 GAUGE, PIPES 36"-48" SHALL BE 12 GAUGE, AND ALL PIPES LARGER THAN 48" TO BE 10 GAUGE. ALL CONCRETE PIPES SHALL BE IN ACCORDANCE TO ASTM-C-76 CLASS III.
 - ALL DRAINAGE STRUCTURES SHALL BE PRE-CAST.
 - ALL DRAINAGE STRUCTURES AND STORM SEWER PIPES SHALL MEET HEAVY DUTY TRAFFIC (H20) LOADING AND BE INSTALLED ACCORDINGLY.
 - CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ON SITE OR IN RIGHT-OF-WAY PRIOR TO EXCAVATION. CONTRACTOR SHALL CONTACT UTILITY LOCATING COMPANY AND LOCATE ALL UTILITIES PRIOR TO GRADING START.
 - CONTRACTOR SHALL PROVIDE 2' x 2' x 8" THICK CONCRETE APRON AT ALL CLEANOUTS OUTSIDE OF BUILDING.
 - ALL STORM DRAINAGE STRUCTURES DESIGNED FOR 100 YR., 6 HR. STORM.
 - ALL ROP IS CLASS III EXCEPT WHERE SPECIFICALLY NOTED AS CLASS IV.
 - ROP SHALL BE USED FOR ALL STORM DRAINS EXCEPT AS NOTED BELOW:
SOP - SMOOTH INTERIOR CORRUGATED PLASTIC PIPES & FITTINGS MAY BE UTILIZED FOR PIPE SIZES 24" OR SMALLER, FROM THE FOLLOWING MANUFACTURERS:
A.D.S.-M2 MFRD. BY ADVANCED DRAINAGE SYSTEMS, INC.
3300 RIVERSIDE DRIVE, COLUMBUS, OHIO 43221 ph: (614) 457-3051
-OR-
SURE LOCK MFRD. BY HANCOCK INC.
P.O. BOX 1047
FINDLAY, OH. 45839-1047 ph: 1-800-537-9520
-OR-
TYPE "S" MFRD. BY LANE ENTERPRISES
34 STORM ROAD
SHIPPENSBURG, PA 17257 ph: (717) 532-5959
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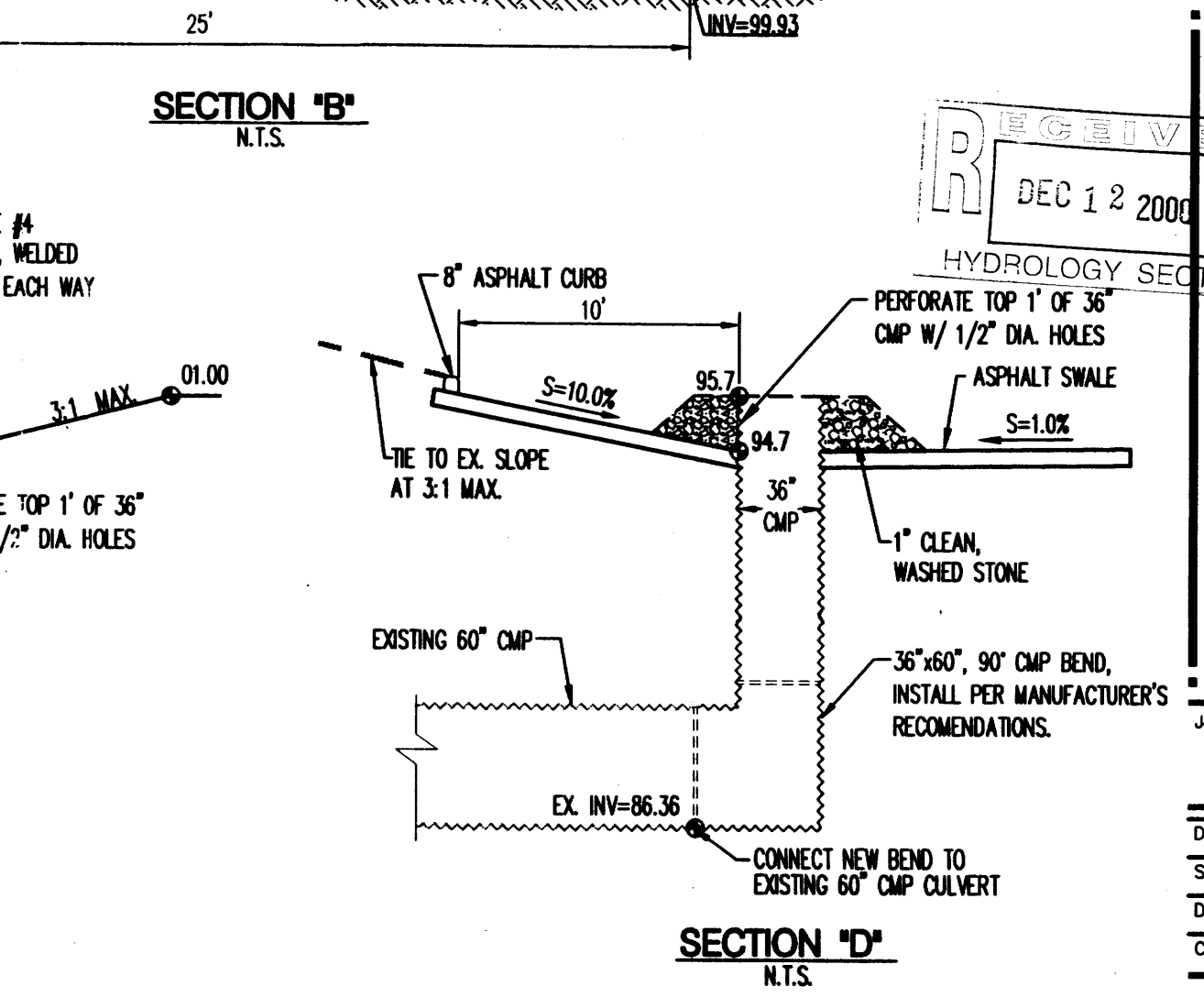
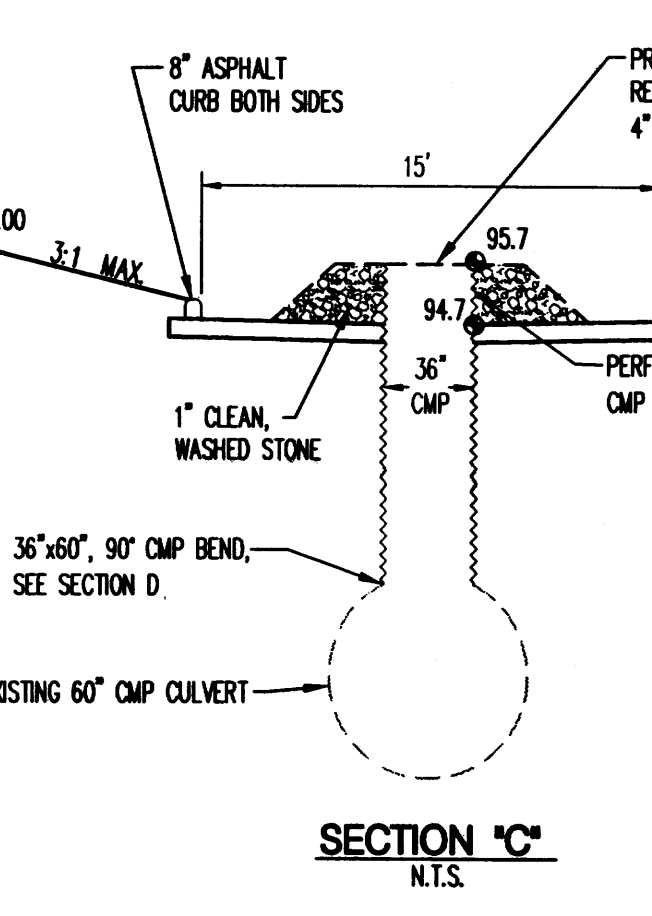
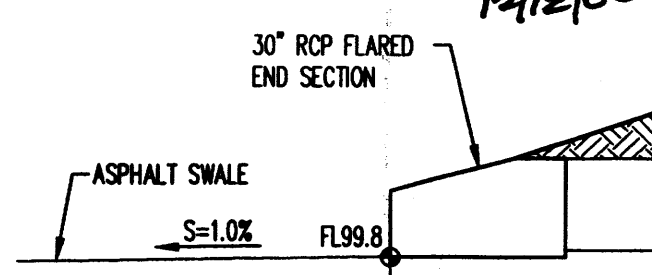
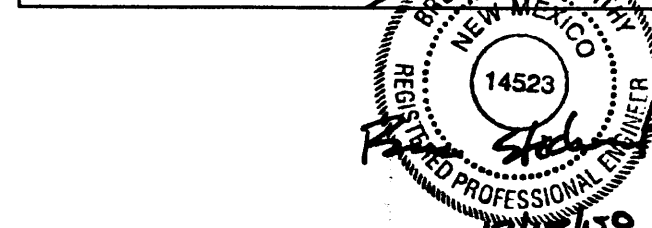
DRAINAGE CERTIFICATION

AS-BUILT ELEVATIONS ARE SHOWN ON THE PLAN IN LOCATIONS WHERE THE ORIGINAL DESIGN ELEVATION HAS BEEN CROSSED OUT AND THE NEW ELEVATION IS LISTED. ELEVATIONS WERE PROVIDED BY BOHANNAN HUSTON INC., PROFESSIONAL LAND SURVEYOR.

NOTES:

I, BRUCE J. STIDWORTHY, OF BOHANNAN HUSTON INC., A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THE DRAINAGE IMPROVEMENTS HAVE BEEN CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED DRAINAGE PLAN, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Bruce J. Stidworthy 10/3/00
BRUCE J. STIDWORTHY, P.E.
N.M.P.E. NO. 14523



BENCHMARKS

ACS aluminum cap stamped "9-C18 1985" Geographic Position (NAD 1927)
N.M. State Plane Coordinates (Central Zone)
X= 402,255.61 Y= 1,521,435.09
Ground-to-Grid Factor = 0.9996608; $\Delta\phi = -0011119''$
ELEVATION: 5229.79
The station mark is rivited to a 2 1/2" aluminum tube with the cap projecting 0.05' above the ground, located at the southwest corner of San Pedro and Wilshire.
ACS 1 3/4" aluminum disk, stamped "ACS BM, 17-118", epoxied to top of concrete bridge abutment, SE quadrant of San Pedro Dr. NE & South Domingo Boca Channel, 0.10 mi. north of centerline of Rancharitos Rd., 0.10 mi. south of centerline of Palomas Ave., 33.9 ft. east of centerline of the bridge, 10.6 ft. west of the east end of said abutment.
ELEVATION: 5236.574

LEGEND

- | PROPERTY LINE | |
|---|-----|
| PROPERTY LINE | --- |
| CITY OF ALBUQUERQUE SURVEY CONTROL MONUMENT | • |
| FOUND 5/8" REBAR TAGGED W/BRASS DISK STAMPED "PS 5878" | ○ |
| SET 5/8" REBAR W/ 1-1/4" RED PLASTIC SURVEY CAP STAMPED "LS 5878" | ○ |
| FOUND 5/8" REBAR W/CAP STAMPED "8478" TAGGED W/BRASS DISK STAMPED "PS 5878" | □ |
| SET PROPERTY CORNER IN CONCRETE | × |
| EXISTING CONTOURS | --- |
| EXISTING GROUND SPOT ELEVATION | • |
| EXISTING ELECTRICAL POLE | • |
| PROPOSED SPOT ELEVATION | • |
| TOP OF CURB, FL-FLOW LINE | • |
| TOP OF WALL, OR-BOTTOM OF WALL | • |
| EX-EXISTING, TC-TOP OF GRADE | • |
| TA-TOP OF ASPHALT, TB-TOP OF BERM, TBC-TOP OF BOX CULVERT | • |
| PROPOSED SPOT ELEV. PER CHANNEL PLANS | • |
| PROPOSED DIRECTION OF FLOW | --- |
| PROPOSED RETAINING WALL | --- |
| PROPOSED INDEX CONTOURS | --- |
| PROPOSED INTERMEDIATE CONTOURS | --- |
| PROPOSED CURB & GUTTER | --- |
| PROPOSED ASPHALT CURB | --- |
| EASEMENT | --- |
| EXISTING TREE | • |
| PROPOSED STORM DRAIN LINE | --- |
| PROPOSED STORM DRAIN MANHOLE | • |
| PROPOSED STORM DRAIN INLET | • |
| EXISTING STORM DRAIN MANHOLE | • |
| AS BUILT ELEVATIONS UNDEVELOPED AREA | • |
| AS BUILT ELEVATIONS DEVELOPED AREA | • |

Bohannan Huston
Copyright One 7500 JEFFERSON NE ALBUQUERQUE NEW MEXICO 87109
ENGINEERS PLANNERS PHOTOGRAMMETERS SURVEYORS SOFTWARE DEVELOPERS

REVISIONS:
DATE
BY
DESCRIPTION

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ALL RIGHTS RESERVED

LOWE'S
Companies, Inc.
LOWE'S OF
NEW ALBUQUERQUE, NM.

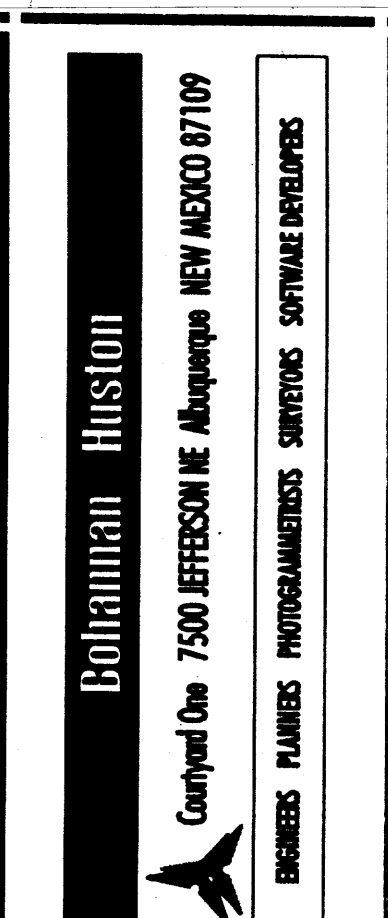
BRUCE J. STIDWORTHY
REGISTERED PROFESSIONAL ENGINEER
14523
10/3/00

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HYDROLOGY SECTION

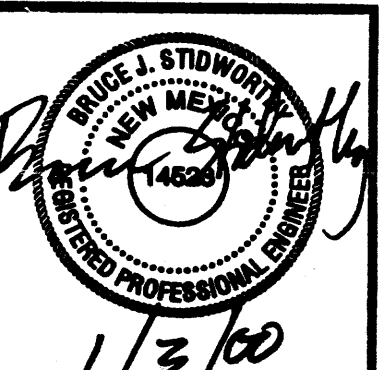
GRADING / DRAINAGE
PLAN

Job No: 00 179
Date: 01/03/00
Scale: 1"=40'
Drawn: RMB
Checked: RMB

Sheet No: C7

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LOWE'S
Companies, Inc.
LOWE'S OF
NE ALBUQUERQUE, NM.



GRADING / DRAINAGE PLAN

b No: **00 179**

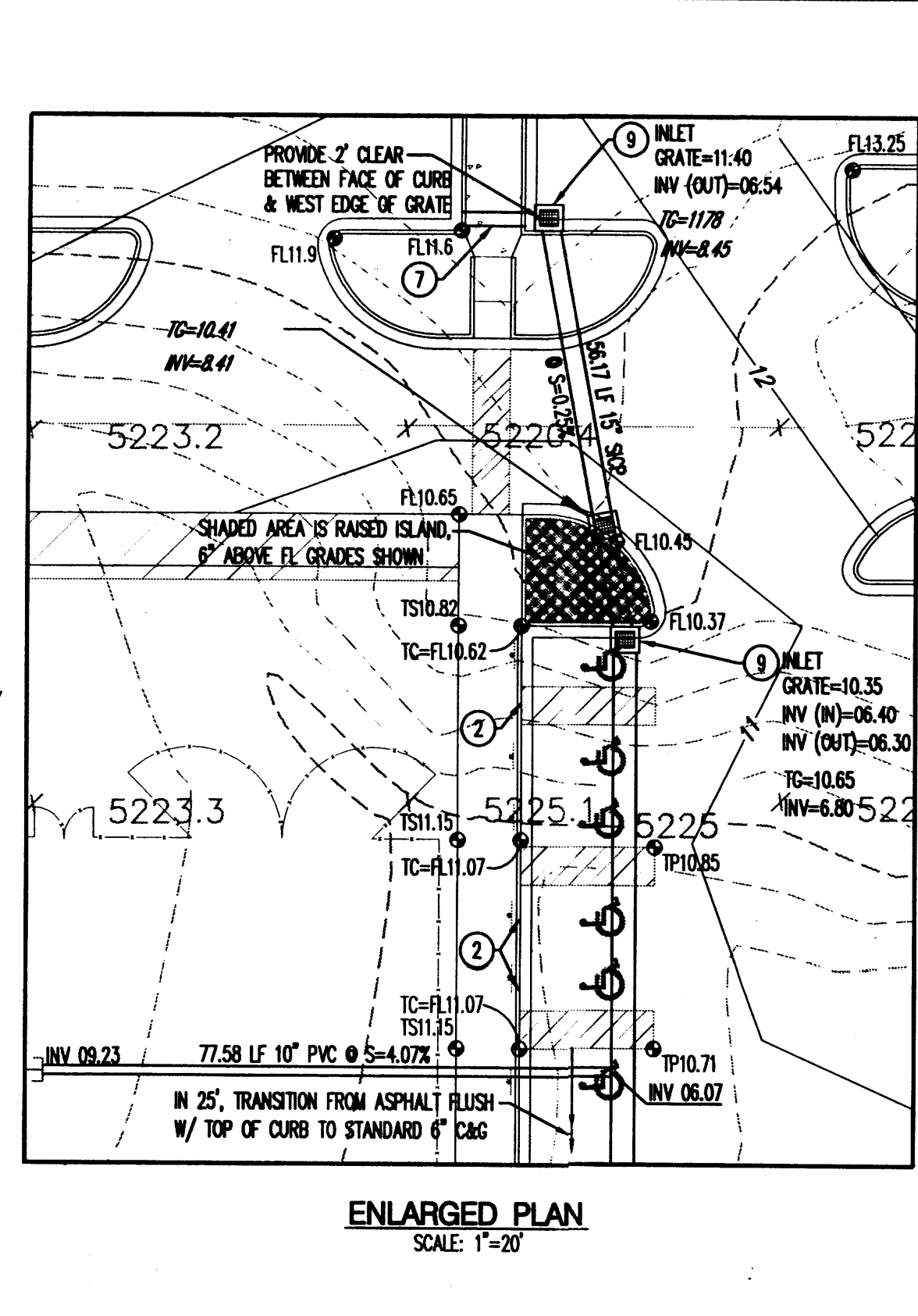
ate: **01/03/00** Sheet No:

ale: **1°=40'** **C5**

own: **RWB**

hecked: **BJS**

D-18/D14



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 4. EARTH SLOPES SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL UNLESS SHOWN OTHERWISE.
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 FROM THE FOLLOWING MANUFACTURERS:
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 OR-
 SURE LOCK MFRD. BY HANCOIR INC.
 P.O. BOX 1047
 FINDLAY, OH. 45839-1047 p/c: 1-800-537-9520
 OR-
 TYPE "S" MFRD. BY LANE ENTERPRISES
 34 STORMH ROAD
 SHIPPERSBURG, PA 17527 p/c: (717) 532-5959

RCP SHALL BE INSTALLED PER MANUFACTURER'S GUIDELINE FOR HEAVY DUTY DRAINAGE APPLICATIONS.

9. CONTRACTOR SHALL ABIDE BY & CONFORM TO LOWE'S STANDARD STORM WATER POLLUTION PREVENTION PLAN & MANUAL SUBMIT AN N.O.I. FORM TO THE E.P.A. FOR COVERAGE UNDER THE N.P.D.E.S. PERMIT.

BENCHMARKS

ICS aluminum cap stamped "9-C18 1985" Geographic Position (NAD 1927)
 (N.M. State Plane Coordinates (Central Zone))
 E = 402,255.61 Y = 1,521,435.09 Δm = -.001119"
 Ground-to-Grid Factor = 0.9996609;
 ELEVATION: 5228.79

the station mark is riveted to a 2 1/2" aluminum tube with the cap
 projecting 0.05' above the ground, located at the southwest corner of San
 Pedro and Wishire.

0.93 1 3/4" aluminum deck, stamped "ACS BM, PD-718", epoxied to top
of concrete bridge abutment, SE quadrant of San Pedro Dr., NE corner of
Sanjonia Boca Channel, 0.10 mi E north of centerline of Ranchitos Rd., 0.10
mi E of centerline of Palomas Ave., 33.3 ft east of centerline of the
bridge, 10.6 ft west of the east end of said abutment.

ELEVATION: 5236.574

DRAINAGE CERTIFICATION

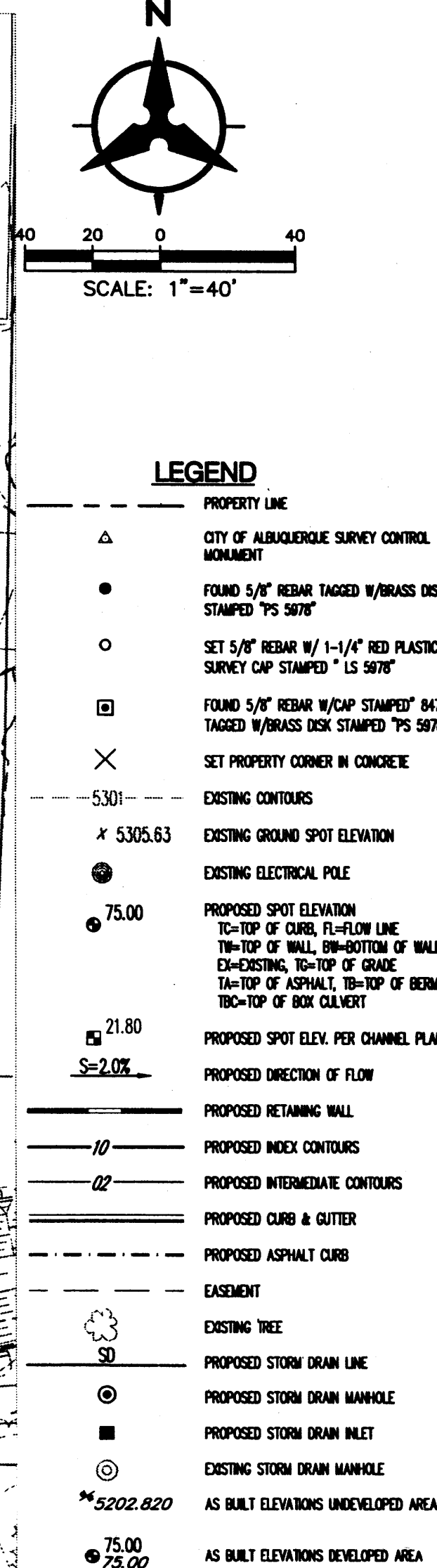
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Bruce Stodolkin
BRUCE J. STODOLKIN, P.E.
DATE: 10/5/60

DEC 12 2000
HYDROLOGY SE
BRUCE J. STODOLKIN
PROFESSIONAL
LAND SURVEYOR
NO. 100070007
STATE OF NEW YORK



1. MATCH PROPOSED CURB TO EXISTING
2. ASPHALT SURFACE TO BE FLUSH WITH TOP OF SIDEWALK
3. PROVIDE 1' WIDE X 6" DEEP CONCRETE RIBBON CHANNEL THRU LANDSCAPE ISLAND
4. PROVIDE 2- 4" PVC DRAIN PIPE FROM FACE OF CURB TO FACE OF CURB
5. TEMPORARY INLET STRUCTURE, SEE DETAIL THIS SHEET
6. INSTALL 2' WIDE VALLEY GUTTER PER C.O.A. STD. DWG. 2415.
7. INSTALL 1' WIDE SIDEWALK CULVERT PER C.O.A. STD. DWG. 2236.
8. BUILD TYPE "A" INLET PER DETAIL, SHEET C14
9. BUILD TYPE "B" INLET PER DETAIL, SHEET C14
10. BUILD TYPE "C" INLET PER DETAIL, SHEET C13

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 -OR-
 SURE LOCK MFRD. BY HANCOCK INC.
 P.O. BOX 1047
 FINDLAY, OH. 45839-1047 ph: 1-800-537-9520
 -OR-
 TYPE "S" MFRD. BY LANE ENTERPRISES
 34 STROM ROAD
 SHIPPENSBURG, PA 17257 ph: (717) 532-5859

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RUCE J. Stidworthy 10/5/00

 RUCE J. STIDWORTHY, P.E. DATE
 N.E.P.E. NO. 14523