

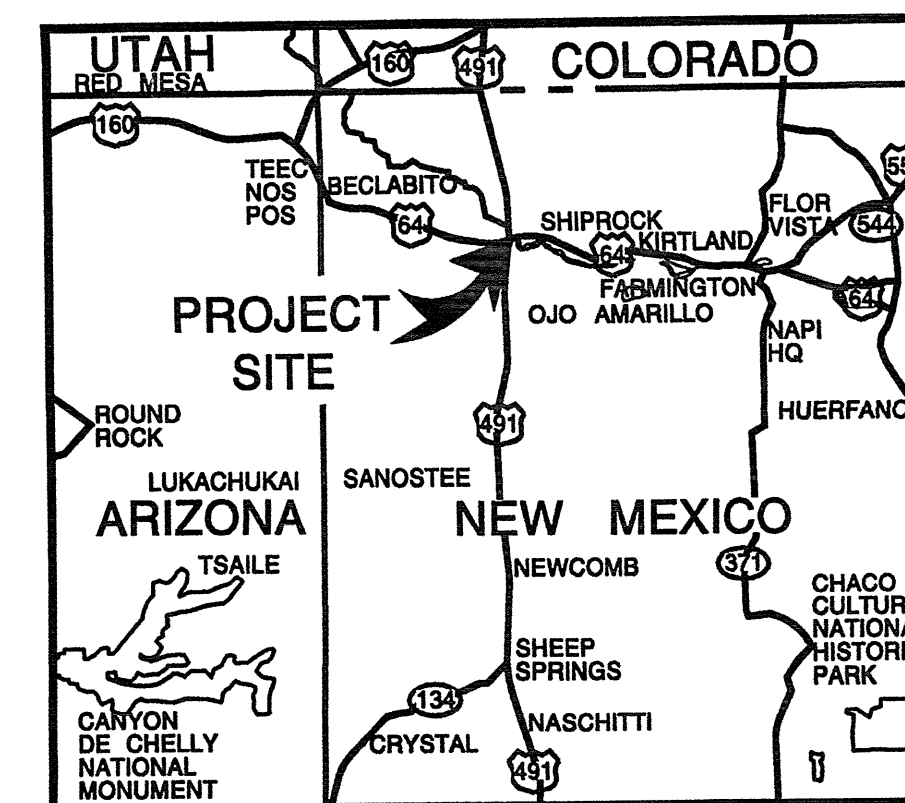
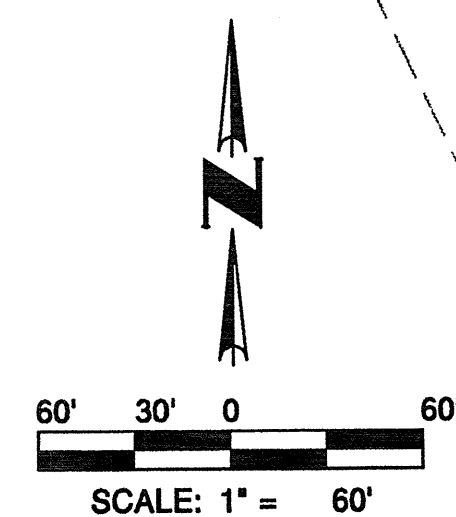
## LEGEND

TC	TOP OF CURB
G	GUTTER
B/C	BACK OF CURB
P	PAVEMENT
E/P	EDGE OF PAVEMENT
S/W	SIDEWALK
C	CONCRETE
NG	NATURAL GROUND
R/W	RIGHT OF WAY
PUE	PUBLIC UTILITY EASEMENT
VG	VALLEY GUTTER
LF	LINEAL FOOT
WSEL	WATER SURFACE ELEVATION
FF	FINISH FLOOR ELEVATION
PAD	PAD ELEVATION
56	PROPOSED CONTOUR
56	EXISTING CONTOUR
(NG 4897.3)	EXISTING ELEVATION (P,G OR NG)
0.25%	DIRECTION OF FLOW & GRADE
▲	GRADE BREAK
⊙	PROPOSED WATER, VALVE & FIRE HYDRANT
⊙	EXISTING WATER, VALVE & FIRE HYDRANT
⊙	EXISTING SEWER & MANHOLE
⊙	EXISTING STREET LIGHT
⊙	PROPOSED LIGHTING
⊙	RETENTION BASIN
TOP / BOT	TOP OF BASIN=HW100 YR / BOTTOM OF BASIN
⊙	STORM DRAIN
⊙	CATCH BASIN/HEADWALL
⊙	SCUPPER

## UTILITIES

NAVAJO TRIBAL UTILITY AUTHORITY (NTUA)  
CIVIL ENGINEERING DIVISION  
P.O. BOX 170  
FT. DEFENSE, ARIZONA 86504  
(928) 729-5721 EXT 2233

# NAVAJO NATION DEPARTMENT OF TRANSPORTATION JUDICIAL COURT & PUBLIC SAFETY SHIPROCK, NEW MEXICO



VICINITY MAP  
NTS

**PREPARED FOR:**  
NAVAJO NATION DEPARTMENT  
OF TRANSPORTATION (NAVAJO DOT)  
P.O. BOX 4620  
WINDOW ROCK, ARIZONA 86515  
PHONE: (928) 871-6498  
FAX (928) 871-7987  
EMAIL tplatero@navajodot.org

**ENGINEER:**  
COE & VAN LOO CONSULTANTS, INC.  
4550 NORTH 12TH STREET  
PHOENIX, ARIZONA 85014  
(602) 264-6831/(602) 264-0928 (FAX)  
CONTACT: PAUL SIDERS

**BENCHMARK:**  
A METAL ROD WITHOUT SLEEVE,  
CAPPED AND STAMPED T 432 1984,  
NAVD 88, ELEVATION 4955.12'

**APPROVED FOR NAVAJO DOT:**

TOM PLATERO  
NAVAJO DOT DEPARTMENT MANAGER

DATE

## INDEX LEGEND

- 3 INDICATES PAVING, GRADING & DRAINAGE SHEET NUMBER  
5 INDICATES DEMOLITION & UTILITY PLAN SHEET NUMBER

## INDEX MAP

- 1.....COVER SHEET  
2.....NOTES & DETAILS  
3-4.....PAVING, GRADING & DRAINAGE PLANS  
5.....DEMOLITION & UTILITY PLAN

HIGHWAY 64

REGIONAL LOCATION  
NTS

PRELIMINARY  
NOT FOR  
CONSTRUCTION  
OR RECORDING



COVER SHEET	
JUDICIAL COURT & PUBLIC SAFETY SHIPROCK, NEW MEXICO	
PAVING & GRADING	
CVL	
Coe & Van Loo Consultants, Inc. 4550 North 12th Street Phoenix, Arizona 85014 Telephone 602-264-6831 http://www.cvl.com	
1 SHEET OF 5	
CVL Contact: CVL Project #: 07-0151401 CVL File #:	

TO REQUEST A LINE LOCATOR:  
(505)260-1990 ALBUQUERQUE  
1-800-321-ALERT STATEWIDE



- 1) ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH NAVAJO DOT CODES DOT CODES.
- 2) EXISTING UTILITIES ARE SHOWN BASED UPON INFORMATION AT HAND. THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS AND ELEVATIONS TO AVOID POTENTIAL CONFLICTS.
- 3) THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH ALL UTILITY COMPANIES AND NAVAJO DOT WITH REGARD TO RELOCATING, ADJUSTING, REPLACING AND/OR REPAIRING UTILITIES DURING CONSTRUCTION.
- 4) THE CONTRACTOR SHALL NOTIFY NAVAJO DOT AND THE JUDICIAL COURT & PUBLIC SAFETY PERSONNEL 24 HOURS BEFORE CONSTRUCTION ACTIVITIES BEGIN.
- 5) THE CONTRACTOR SHALL SLOPE ALL TRENCHES AND SLOPES AS REQUIRED TO COMPLY WITH NAVAJO NATION, STATE AND FEDERAL CODES TO PROTECT LIFE AND SAFETY OF WORKMEN DURING CONSTRUCTION.
- 6) THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION ACTIVITY SAFETY INCLUDING BUT NOT LIMITED TO TRENCH EXCAVATION AND SHORING, TRAFFIC CONTROL AND SITE SECURITY.
- 7) THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE STREETS FREE AND CLEAR OF ALL DEBRIS THAT IS TRACKED FROM THE SITE.
- 8) THE CONTRACTOR SHALL KEEP AND UPDATE AN AS-BUILT SET OF DRAWINGS DURING THE CONSTRUCTION OF THE PROJECT.
- 9) PRIOR TO AND DURING CONSTRUCTION, ALL ACCESS ROADS SHALL BE SERVICEABLE AND MAINTAINED FOR FIRE PROTECTION AND EMERGENCY VEHICLE ACCESS.
- 10) THE CONTRACTOR SHALL PLACE ALL ITEMS DESIGNATED FOR REMOVAL WITHOUT SALVAGE IN AN ENVIRONMENTALLY SUITABLE DISPOSAL SITE. JUDICIAL COURT AND PUBLIC SAFETY PERSONNEL SHALL BE CONTACTED TO COORDINATE THE PLACEMENT OF ALL ITEMS TO BE SALVAGED.
- 11) THE CONTRACTOR SHALL BE RESTRICTED TO A 35 TON (MAXIMUM) NON-VIBRATORY ROLLER FOR COMPACTION IN AREAS WHERE THE USE OF HEAVIER EQUIPMENT COULD DAMAGE UNDERGROUND UTILITIES OR PERMANENTLY DAMAGE ADJACENT STRUCTURES.
- 12) THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING AND CLEAN-UP OF SPILLS ASSOCIATED WITH THE CONSTRUCTION OF THE PROJECT AND SHALL RESPOND TO SPILLS OF HAZARDOUS MATERIALS, SUCH AS GASOLINE, DIESEL, MOTOR OILS, SOLVENTS, CHEMICALS TOXIC AND CORROSIVE SUBSTANCES, AND OTHER MATERIALS THAT MAY THREATEN THE PUBLIC OR THE ENVIRONMENT, TO NAVAJO EPA, THE NEW MEXICO ENVIRONMENT DEPARTMENT EMERGENCY RESPONSE TEAM 827-4305 OR 470-3657 AND THE PROJECT MANAGER. ANY SPILLS ASSOCIATED WITH THE PROJECT SHALL BE CLEANED UP BY THE CONTRACTOR. THE CONTRACTOR SHALL BEAR ALL EXPENSES OF THE COST OF CLEAN UP OF SUCH SPILLS.
- 13) THE CONTRACTOR SHALL REPLACE ALL DESTROYED OR DAMAGED SURFACE IMPROVEMENTS WITH IMPROVEMENTS EQUAL TO THOSE DESTROYED OR DAMAGED.
- 14) THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR, MATERIALS AND APPURTENANCES NECESSARY TO COMPLETE THE THE WORK INTENDED AND SHOWN ON THE DRAWINGS.
- 15) CONSTRUCTION WATER: THE CONTRACTOR SHALL COORDINATE WITH NAVAJO TRIBAL UTILITY AUTHORITY (NTUA) FOR SUPPLY OF WATER TO THE SITE FOR CONSTRUCTION PURPOSES. CONSTRUCTION WATER SHALL BE METERED BY NTUA, AND THE CONTRACTOR SHALL PAY FOR CONSTRUCTION WATER AT NTUA'S BULK WATER RATE PER 1000 GALLONS.

THESE PLANS ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS THE APPROVAL BLOCK HAS BEEN SIGNED BY THE APPROPRIATE AGENCIES. ALL WORK SHALL CONFORM TO THE CURRENT MARICOPA ASSOCIATION OF GOVERNMENTS (M.A.G.) SPECIFICATIONS AND STANDARD DETAILS TOGETHER WITH THE SUPPLEMENT OF THE APPROPRIATE AGENCY.

A THOROUGH ATTEMPT HAS BEEN MADE TO SHOW THE LOCATIONS OF ALL UNDERGROUND OBSTRUCTIONS AND UTILITY LINES IN THE WORK AREA. HOWEVER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO OBSTRUCTIONS AND UTILITY LINES ENCOUNTERED DURING CONSTRUCTION AND SHALL DETERMINE THE EXACT LOCATION OF UTILITIES IN THE AREA.

THE ENGINEER MAKES NO REPRESENTATION OR GUARANTEE REGARDING EARTHWORK QUANTITIES OR THAT THE EARTHWORK FOR THIS PROJECT WILL BALANCE DUE TO THE VARYING FIELD CONDITIONS, CHANGING SOIL TYPES, ALLOWABLE CONSTRUCTION TOLERANCES, AND CONSTRUCTION METHODS THAT ARE BEYOND THE CONTROL OF THE ENGINEER.

PRIOR TO BIDDING THE WORK, THE CONTRACTOR SHALL THOROUGHLY SATISFY HIMSELF AS TO THE ACTUAL CONDITIONS AND EARTHWORK QUANTITIES, IF ANY. NO CLAIM SHALL BE MADE AGAINST THE OWNER/DEVELOPER OR ENGINEER FOR ANY EXCESS OR DEFICIENCY THEREIN ACTUAL OR RELATIVE.

THE ENGINEER WILL PERFORM FIELD SURVEYS FOR PAD ELEVATION CERTIFICATIONS UPON NOTIFICATION BY THE GRADING CONTRACTOR THAT THE PADS ARE COMPLETE AND READY FOR CERTIFICATION. IT IS UNDERSTOOD THAT THE CERTIFICATION PROVIDES ONLY A REPRESENTATIVE ELEVATION OF THE AVERAGE GRADE OF EACH LOT, BUILDING, OR UNIT PAD AND SHALL NOT BE CONSTRUED TO INCLUDE YARD AND STREET SUBGRADE CERTIFICATION OR CERTIFICATION THAT THE ENTIRE PAD IS LEVEL, THAT IT WAS CONSTRUCTED IN THE DESIGNED LOCATION, OR WAS GRADED TO THE CROSS-SECTION SET FORTH ON THE PLANS OR AS DESIGNATED IN THE SOILS REPORT.

THE ENGINEER WILL MAKE FIELD RECORD DRAWING MEASUREMENTS OF THE WORK UPON NOTIFICATION BY THE PAVING CONTRACTOR THAT THE WORK IS COMPLETE AND READY FOR RECORD DRAWING SURVEY.

THE CONTRACTOR SHALL MAKE NO CLAIM AGAINST THE OWNER OR THE ENGINEER REGARDING ALLEGED INACCURACY OF CONSTRUCTION STAKES SET BY THE ENGINEER UNLESS ALL SURVEY STAKES SET BY THE ENGINEER ARE MAINTAINED AND CAN BE VERIFIED AS TO THEIR ORIGIN. IF, IN THE OPINION OF THE ENGINEER, THE STAKES ARE NOT MAINTAINED INTACT AND CANNOT BE VERIFIED AS TO THEIR ORIGIN, ANY REMEDIAL WORK REQUIRED TO CORRECT ANY ITEM OR IMPROPER CONSTRUCTION WORK IN THIS DEVELOPMENT SHALL BE PERFORMED AT THE SOLE EXPENSE OF THE RESPONSIBLE CONTRACTOR OR SUBCONTRACTOR.

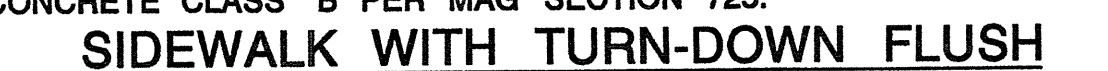
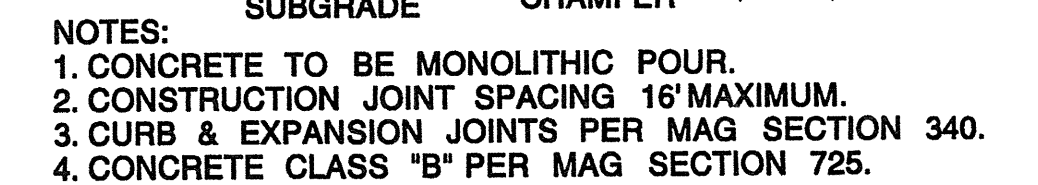
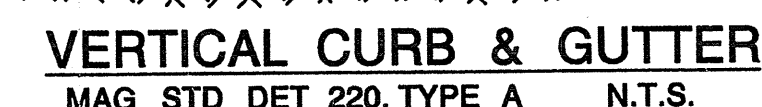
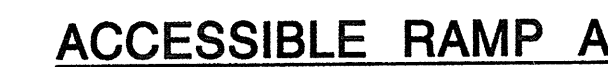
NOTHING CONTAINED IN THE CONTRACT DOCUMENTS SHALL CREATE, NOR SHALL BE CONSTRUED TO CREATE, ANY CONTRACTUAL RELATIONSHIP BETWEEN THE ENGINEER AND THE CONTRACTOR OR ANY SUBCONTRACTOR.

THE ENGINEER WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OR FOR SAFETY PRECAUTIONS OR PROGRAMS UTILIZED IN CONNECTION WITH THE WORK, AND HE WILL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

ALL CONDUITS (BOX CULVERT, REINFORCED CONCRETE PIPE, CAST-IN-PLACE PIPE, AND/OR CORRUGATED METAL PIPE) SHOWN ON THESE PLANS ARE DESIGNED FOR STANDARD HIGHWAY LOADINGS. THE STANDARD SATISFACTORY MINIMUM COVER REQUIREMENTS, AS ESTABLISHED BY THE CONDUIT MANUFACTURER, MAY NOT ALWAYS BE ADEQUATE DURING CONSTRUCTION, WHEN CONSTRUCTION EQUIPMENT, FREQUENTLY HEAVIER THAN TRAFFIC LOADS FOR WHICH THE CONDUIT HAS BEEN DESIGNED, IS TO BE DRIVEN OVER OR CLOSE TO THE BURIED CONDUIT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE THE ADDITIONAL COVER REQUIRED TO AVOID DAMAGE TO THE CONDUIT. THE ADEQUACY OF THE COVER REQUIREMENTS FOR THE CONDUIT SHALL BE ANALYZED AND CHECKED BY THE CONTRACTOR. TO AVOID LOADING CONDITIONS IMPOSED BY CONSTRUCTION EQUIPMENT, THE COVER MANAGER BY CONSTRUCTION ACTIVITY SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

ALL EARTHWORK CONSTRUCTION SHALL CONFORM TO THE LATEST M.A.G. STANDARD DETAILS AND/OR SPECIFICATIONS INCLUDING ANY SUPPLEMENTS THERETO AND THE SOILS REPORT PREPARED BY:

DATA FOR EARTHWORK CALCULATIONS IS PROVIDED IN THE SOILS REPORT AND (IF APPLICABLE) ANY SUPPLEMENTS THERETO.

[illegible]





- ## GRADING DRAINAGE CONSTRUCTION NOTES

- |   |
|---|
| GRADING & PAVING PLAN                                     |
| JUDICIAL COURT<br>& PUBLIC SAFETY<br>SHIPROCK, NEW MEXICO |
| PAVING & GRADING  |


Professional Engineer Seal for Ricardo E. Aguirre, New Mexico, License No. 11109.

<div style="text-align: center;"> <b>3      SHEET      5</b>  <b>OF</b> </div>	
CVL Contact:	
CVL Project #: 07-0151401	
CVL File #:	

**NMOC**

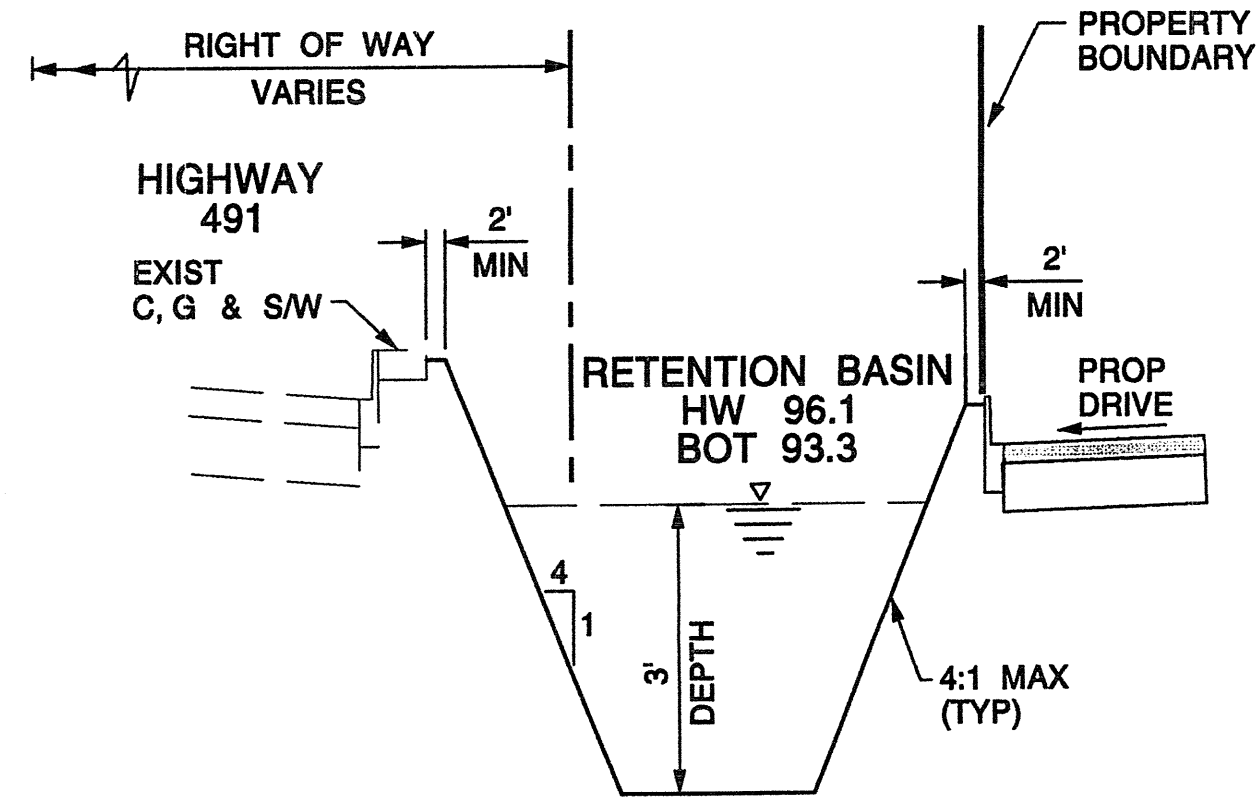
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20' 10' 0 20'

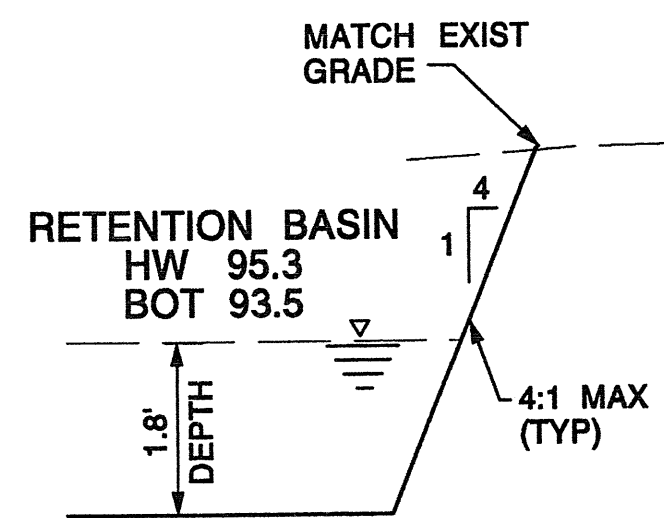


SCALE: 1" = 20'

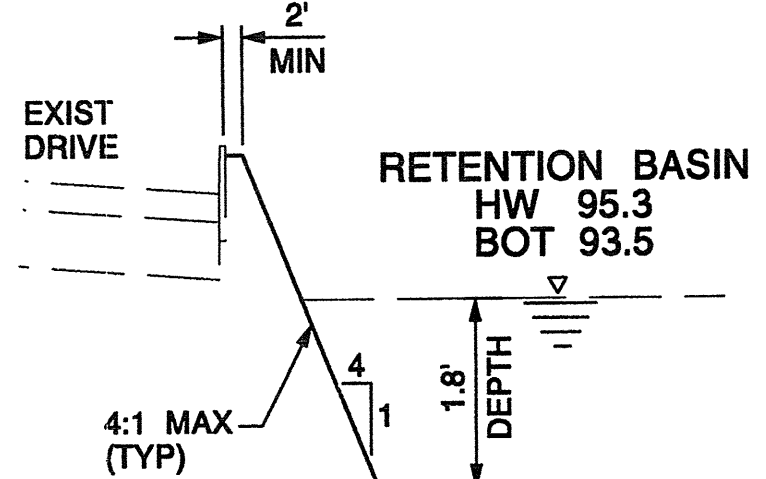




SECTION C-C  
N.T.S.



SECTION B-B  
N.T.S.



SECTION A-A  
N.T.S.

HIGHWAY 491

MATCH SHT 3

MATCH SHT 3

DEPARTMENT OF PUBLIC SAFETY  
EXIST. BUILDING

JUDICIAL COURT  
EXIST. BUILDING

EXIST. BUILDING

- PAVING CONSTRUCTION NOTES**
1. INSTALL A.C. PVMT. & BASE COURSE PER TYPICAL PVMT SECTION ON SHT 2.
  2. CONSTRUCT 6" VERTICAL CURB & GUTTER-MAG STD DET 220-1, TYPE A & DETAIL SHT 2.
  3. CONSTRUCT 6" VERTICAL CURB & GUTTER WITH DEPRESSED LIP OF GUTTER TO MATCH CROSS SLOPE-MAG STD DET 220-1, TYPE A & DETAIL SHT 2.
  4. CONSTRUCT 5" CONCRETE SIDEWALK MAG STD DET 230.
  5. CONSTRUCT RIBBON CURB-MAG STD DET 220-1-A' & DETAIL SHT 2.
  6. CONSTRUCT 2" CURB TRANSITION 6" VERTICAL TO CURB FLUSH WITH GUTTER, CURB OPENING DET SHT 2.
  7. INSTALL PRECAST CONCRETE CURB STOP.
  8. CONSTRUCT CONCRETE SIDEWALK WITH TURNDOWN FLUSH WITH PVMT-MAG STD DET 230 & DET SHT 2.
  9. CONSTRUCT SIDEWALK RAMP (RAMPS TO BE ADA COMPLIANT & TO INCLUDE DETECTABLE WARNING SURFACE, DET SHT 2-RAMP A).
  10. CONSTRUCT SIDEWALK RAMP-S/W (RAMPS TO ADA COMPLIANT & TO INCLUDE DETECTABLE WARNING SURFACE, DET SHT 2-RAMP B).
  11. CONSTRUCT 3" WIDE CONC VALLEY GUTTER-MAG STD DET 240.
  12. CONSTRUCT THICKENED EDGE OF PVMT-MAG STD DET 201, TYPE B.
  13. INSTALL CURB OPENING WITH CURB TRANSITION, DET SHT 2.
  14. SAWCUT EXIST. PVMT. (2" MIN. OR AS SHOWN) & MATCH.
  15. CONSTRUCT 6" BLOCK WALL.
  16. 4" SOLID WHITE LINE PARKING DELINEATION SEE TYPICAL PARKING DET SHT 2.
  17. HANDICAP SYMBOL & SIGNAGE SEE TYPICAL PARKING DET SHT 2.
  18. CONSTRUCT 9" THICK CONCRETE PAD CLASS A PER MAG SPECS SECTION 725.
  19. ADJUST MANHOLE RIM & COVER -MAG SD DET 422

- GRADING DRAINAGE CONSTRUCTION NOTES**
1. GRADE RETENTION BASIN MAXIMUM 4:1 SIDE SLOPES ALL COMPACTION PER MAG SPEC 211.
  2. GRADE 5' WIDE AND 1' TO 2' HIGH BERM. ALL COMPACTION PER MAG SPEC 211, DET SHT 2.
  3. CONSTRUCT RIP-RAP CHANNEL WITH LOOSE ANGULAR RIP RAP D50=6", D100=12" THICK WITH GEOTEXTILE FABRIC, DET SHT 2.
  4. CONSTRUCT DRAINAGE SWALE GRADE TO DRAIN, DET SHT 2.
  5. INSTALL 3-6" SCH 40 PVC PIPE STORM DRAIN.

**GRADING & PAVING PLAN**  
**JUDICIAL COURT & PUBLIC SAFETY**  
**SHIPROCK, NEW MEXICO**  
**PAVING & GRADING**

**CVL**  
Coe & Van Loo Consultants, Inc.  
4550 North 12th Street  
Phoenix, Arizona 85014  
Telephone 602-284-6831  
http://www.cvl.com

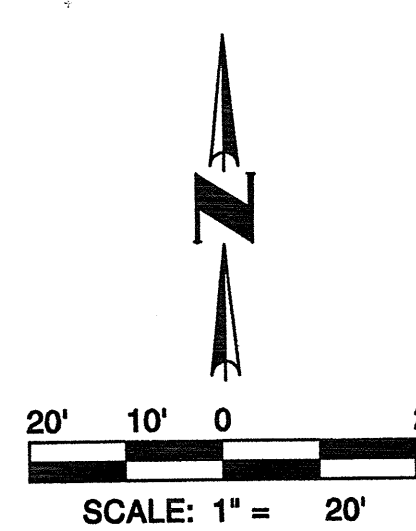
**RICARDO E. AGUIRRE**  
PROFESSIONAL ENGINEER

TO REQUEST A LINE LOCATOR:  
(805)260-1980 ALBUQUERQUE  
1-800-321-ALERT STATEWIDE

**NMOC**

4 SHEET OF 5

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OR RECORDING




# DEMOLITION NOTES

- 1 REMOVE EXISTING PAVEMENT
- 2 REMOVE EXISTING CURB & GUTTER
- 3 REMOVE EXISTING SIDEWALK/CONCRETE
- 4 REMOVE AND/OR SALVAGE EXISTING FENCE
- 5 REMOVE EXISTING WOOD BUILDING

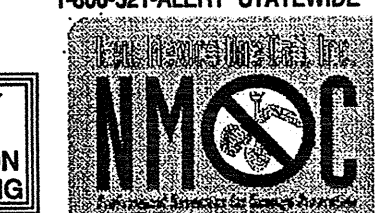
NOTE:  
CONTRACTOR SHALL VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITY LINES AND NOTIFY THE ENGINEER OF ANY POTENTIAL CONFLICTS. UTILITY LINES SHALL BE RELOCATED TO MAINTAIN ADEQUATE DEPTH AS REQUIRED BY THE UTILITY COMPANIES.

## DEMOLITION & UTILITY PLAN

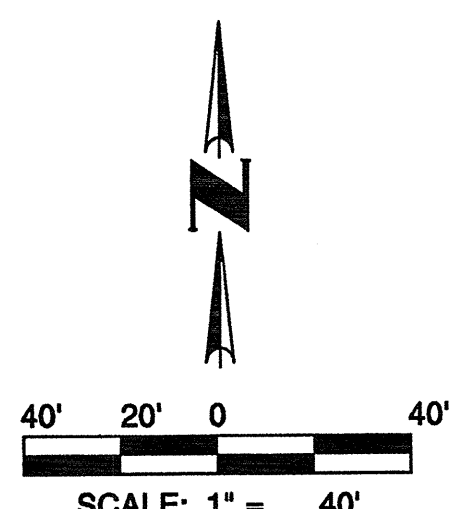
JUDICIAL COURT  
& PUBLIC SAFETY  
SHIPROCK, NEW MEXICO  
PAVING & GRADING

 COE & VAN LOO CONSULTANTS, INC. 4550 North 12th Street Phoenix, Arizona 85014 Telephone 602-284-8831 http://www.cvl.com	5 SHEET OF 5
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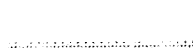





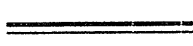
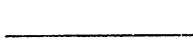
TO REQUEST A LINE LOCATOR:  
(505)260-1950 ALBUQUERQUE  
1-800-321-ALERT STATEWIDE



PRELIMINARY  
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OR RECORDING



## LEGEND

-  EXISTING PAVEMENT TO BE REMOVED
-  EXISTING CURB & GUTTER TO BE REMOVED
-  EXISTING CONCRETE SIDEWALK TO BE REMOVED
-  EXISTING BUILDING TO BE REMOVED
-  EXISTING FENCE TO BE REMOVED/SALVAGED
-  EXISTING CONCRETE SIDEWALK TO REMAIN
-  EXISTING BUILDING TO REMAIN
-  PROPOSED CURB & GUTTER
-  PROPOSED CONCRETE VALLEY GUTTER

41\ad\06\CD\0505.DGN

