

CITY OF ALBUQUERQUE



February 9, 2016

Richard J. Berry, Mayor

Mike Walla, P.E.
Walla Engineering, Ltd
6501 Americas Parkway NE, Suite 301
Albuquerque, NM, 87110

**RE: 1600 First Street Northwest, Loading Dock Remodel
Revised Grading and Drainage Plan
Engineer's Stamp Date 2-5-16 (File: J14D178)**

Dear Mr. Walla:

Based upon the information provided in your submittal received 2-5-16, the above-referenced revised plan is approved for Building Permit (SO-19 is no longer needed in this revised plan).

PO Box 1293

Please attach a copy of this approved plan in the construction sets when submitting for the building permit. Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required. Please ensure that the existing piping under the sidewalk is completely cleaned.

Albuquerque

If you have any questions, you can contact me at 924-3986.

New Mexico 87103

Sincerely,

Abiel Carrillo, P.E.
Principal Engineer, Planning Dept.
Development Review Services

www.cabq.gov

Orig: Drainage file



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

Project Title: _____ Building Permit #: _____ City Drainage #: _____

DRB#: _____ EPC#: _____ Work Order#: _____

Legal Description: _____

City Address: _____

Engineering Firm: _____ Contact: _____

Address: _____

Phone#: _____ Fax#: _____ E-mail: _____

Owner: _____ Contact: _____

Address: _____

Phone#: _____ Fax#: _____ E-mail: _____

Architect: _____ Contact: _____

Address: _____

Phone#: _____ Fax#: _____ E-mail: _____

Surveyor: _____ Contact: _____

Address: _____

Phone#: _____ Fax#: _____ E-mail: _____

Contractor: _____ Contact: _____

Address: _____

Phone#: _____ Fax#: _____ E-mail: _____

TYPE OF SUBMITTAL:

- _____ DRAINAGE REPORT
- _____ DRAINAGE PLAN 1st SUBMITTAL
- _____ DRAINAGE PLAN RESUBMITTAL
- _____ CONCEPTUAL G & D PLAN
- _____ GRADING PLAN
- _____ EROSION & SEDIMENT CONTROL PLAN (ESC)
- _____ ENGINEER'S CERT (HYDROLOGY)
- _____ CLOMR/LOMR
- _____ TRAFFIC CIRCULATION LAYOUT (TCL)
- _____ ENGINEER'S CERT (TCL)
- _____ ENGINEER'S CERT (DRB SITE PLAN)
- _____ ENGINEER'S CERT (ESC)
- _____ SO-19
- _____ OTHER (SPECIFY)

CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

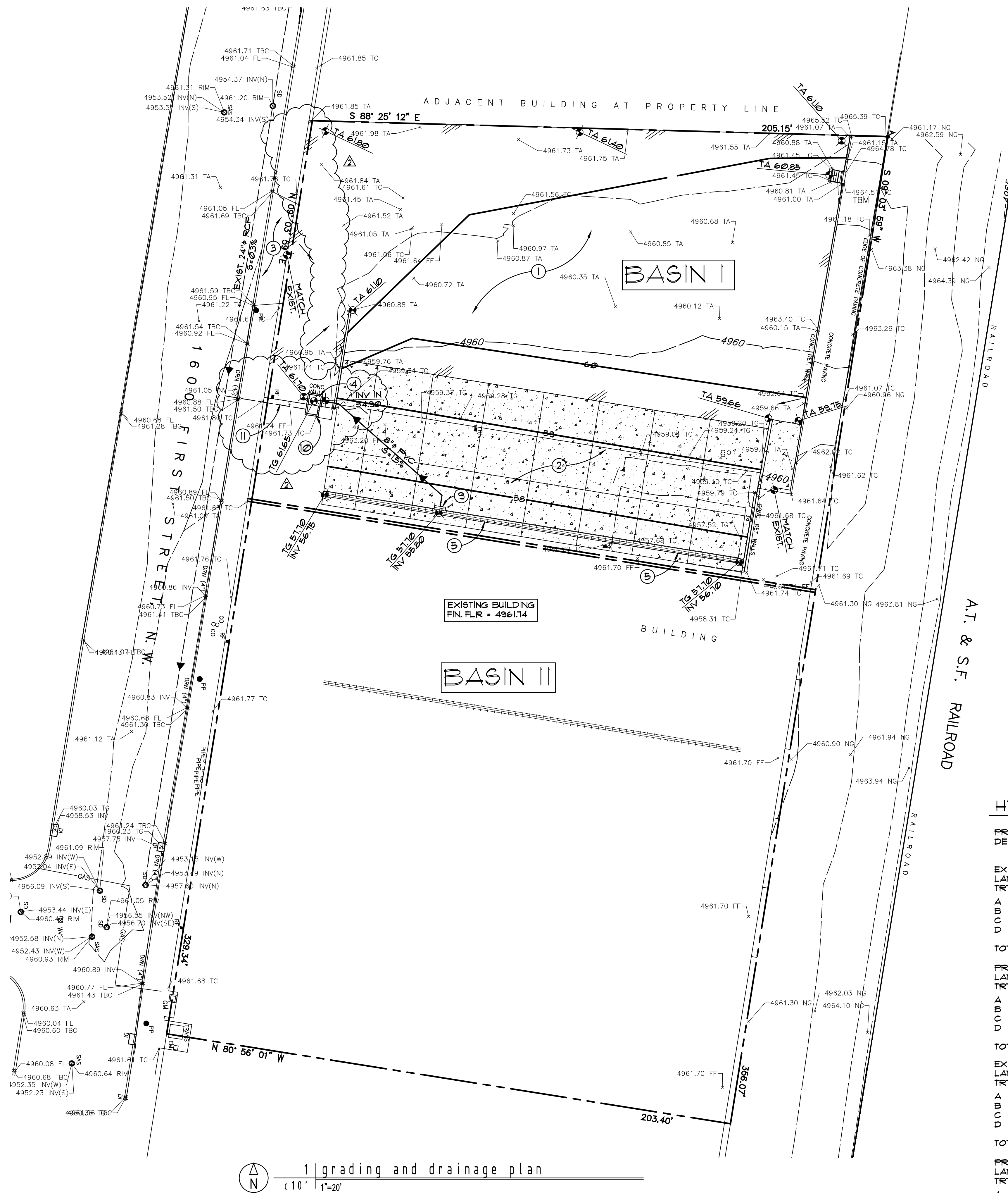
- _____ SIA/FINANCIAL GUARANTEE RELEASE
- _____ PRELIMINARY PLAT APPROVAL
- _____ S. DEV. PLAN FOR SUB'D APPROVAL
- _____ S. DEV. FOR BLDG. PERMIT APPROVAL
- _____ SECTOR PLAN APPROVAL
- _____ FINAL PLAT APPROVAL
- _____ CERTIFICATE OF OCCUPANCY (PERM)
- _____ CERTIFICATE OF OCCUPANCY (TCL TEMP)
- _____ FOUNDATION PERMIT APPROVAL
- _____ BUILDING PERMIT APPROVAL
- _____ GRADING PERMIT APPROVAL
- _____ PAVING PERMIT APPROVAL
- _____ WORK ORDER APPROVAL
- _____ GRADING CERTIFICATION
- _____ SO-19 APPROVAL
- _____ ESC PERMIT APPROVAL
- _____ ESC CERT. ACCEPTANCE
- _____ OTHER (SPECIFY)

WAS A PRE-DESIGN CONFERENCE ATTENDED: _____ Yes _____ No _____ Copy Provided

DATE SUBMITTED: _____ By: _____

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location, and scope to the proposed development defines the degree of drainage detail. One or more of the following levels of submittal may be required based on the following:

1. **Conceptual Grading and Drainage Plan:** Required for approval of Site Development Plans greater than five (5) acres and Sector Plans
2. **Drainage Plans:** Required for building permits, grading permits, paving permits and site plans less than five (5) acres
3. **Drainage Report:** Required for subdivision containing more than ten (10) lots or constituting five (5) acres or more
4. **Erosion and Sediment Control Plan:** Required for any new development and redevelopment site with 1-acre or more of land disturbing area, including project less than 1-acre than are part of a larger common plan of development



KEYED NOTES

- 4" ASPHALT PAVING OVER 3" MIN. RECYCLED ASPHALT BASE COURSE PER DETAIL 1/C201
- 6" CONCRETE PAVING OVER 4" MIN. RECYCLED ASPHALT BASE COURSE PER DETAIL 2/C201
- EXISTING CONCRETE DRIVE PAD TO REMAIN
- EXISTING CONCRETE VAULT TO REMAIN - REMOVE WATER AND ANY SOIL DEPOSITS IN THE BOTTOM OF THIS STRUCTURE - ADD CONCRETE CURB AS REQUIRED TO BRING COVER TO GRADE
- NEW DOCK TRENCH DRAIN PER DETAIL 5/C201
- NOT USED
- NOT USED
- NOT USED
- CONSTRUCT OIL/WATER SEPARATION BASIN PER DETAIL 6/C201
- EXISTING CONCRETE VAULT TO REMAIN - REMOVE AND REPLACE DETERIORATED PIPING AND BACKFLOW PREVENTER - REPLACE EXISTING PUMP WITH A NEW 500 GPM 2- STAGE FLOATS AND ALARM
- EXISTING 4" FORCE MAIN LINE TO REMAIN

LEGEND

---	PROPERTY LINE
---	NEW BUILDING LINE
---	EXISTING CONTOUR
---	NEW CONTOUR
X	EXISTING SPOT ELEVATION
6050.4	NEW SPOT ELEVATION
→	NEW FLOW DIRECTION ARROW
TA	TOP OF ASPHALT
TC	TOP OF CONCRETE OR CURB
FG	FINISHED GRADE
DI	DROP INLET
FL	FLOW LINE
TG	TOP OF GRATE
TW	TOP OF WALL
INV	INVERT
TBC	TOP OF BACK OF CURB
NG	NATURAL GRADE
[Pattern]	NEW CONCRETE PAVING
[Pattern]	NEW AC PAVING
==	BASIN LINE

HYDROLOGY CALCULATIONS

PRECIPITATION ZONE 2		1hr	6hr	24hr	4day	10day
DESIGN STORM: (IN)		2.01	2.35	2.75	3.30	3.95

EXISTING CONDITIONS - BASIN I		AREA	AREA	P6	Q	Q	V6	V24	V4DAY	V10DAY
LAND	TRT/MNT	(ACRE)	%	(CFS/AC)	(CFS)	(CF)	(CF)	(CF)	(CF)	(CF)
A	0.000	0%	0.53	156	0.00	0	0	0	0	0
B	0.000	0%	0.18	228	0.00	0	0	0	0	0
C	0.000	0%	1.13	3.14	0.00	0	0	0	0	0
D	0.100	100%	2.12	4.70	3.29	5.381	6.403	7.801	9.453	
TOTALS	0.100	100%			3.29	5.381	6.403	7.801	9.453	

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C	0.000	0%	1.13	3.14	0.00	0	0	0	0	0
D	0.913	100%	2.12	4.70	4.29	7.026	8.352	10.175	12.329	
TOTALS	0.913	100%			4.29	7.026	8.352	10.175	12.329	

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LEGAL DESCRIPTION

A TRACT OF LAND LYING AND SITUATE WITHIN THE TOWN OF ALBUQUERQUE GRANT, PROJECTED SECTION 17, TOWNSHIP 10 NORTH, RANGE 2 EAST, NEW MEXICO PRINCIPAL MERIDIAN, CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, COMPRISING OF LOTS NUMBERED ONE THROUGH 12 INCLUSIVE IN BLOCK NUMBERED SEVENTEEN, AND THE VACATED NORTH FORTY FEET OF KINLEY AVENUE, N.W. ADJACENT TO AND COINCIDENT WITH SAID LOT TWELVE, AND LOTS ONE THROUGH 6 INCLUSIVE IN BLOCK NUMBERED SIXTEEN, AND VACATED CONVENT AVENUE BETWEEN SAID BLOCKS SIXTEEN AND SEVENTEEN OF THE PARIS ADDITION, AS THE SAME ARE SHOWN AND DESIGNATED ON THE PLAT THEREOF, FILED IN THE OFFICE OF THE EX OFFICIO RECORDER OF BERNALILLO COUNTY, NEW MEXICO ON DECEMBER 29, 1892,

TOGETHER WITH THE REMAINING PORTIONS OF LOTS NUMBERED ONE AND TWO AND ALL OF LOTS NUMBERED THREE THROUGH SEVEN INCLUSIVE IN BLOCK NUMBERED ONE OF THE ANDERSON ADDITION, AS THE SAME ARE SHOWN AND DESIGNATED ON THE PLAT THEREOF, FILED IN THE OFFICE OF THE EX OFFICIO RECORDER OF BERNALILLO COUNTY, NEW MEXICO ON MAY 14, 1921, SAID TRACT BEING BOUNDED ON THE NORTH BY PARCEL "A" OF THE BRIGHTWOOD AND ANDERSON ADDITION, ON THE WEST BY FIRST STREET, N.W. ON THE SOUTH BY THE REMAINING PORTION OF KINLEY AVENUE, N.W. AND ON THE EAST BY THE NEW MEXICO DEPARTMENT OF TRANSPORTATION RAILROAD RIGHT OF WAY.

DESIGN NARRATIVE

THE SUBJECT PROJECT IS THE REMOVAL OF A SMALL SECTION OF AN EXISTING BUILDING ALONG WITH A SMALL SERVICE BUILDING ON THIS SITE TO CONSTRUCT A NEW DOCK WELL THAT WILL PROVIDE BETTER DELIVERY SERVICES TO THIS WAREHOUSE STRUCTURE. THE WORK INCLUDES REGRADING AND REPAVING OF THE NORTH PARKING LOT ON THIS SITE. THE HYDROLOGIC CHARACTERISTICS OF THE PROPERTY WILL NOT CHANGE AS THE DEMOLISHED ROOF WILL BE REPLACED WITH PAVING, HOWEVER THE DISCHARGE OF SITE DEVELOPED RUNOFF WILL BE UPGRADED WITH THIS CONSTRUCTION. CURRENTLY, THE EXISTING DOCK DRAIN FLOWS INTO A VAULT WITH A PUMP THAT DISCHARGES THRU THE CURB ON 1ST STREET. THIS SYSTEM WILL BE UPDATED. THE SITE GRADES CANNOT BE RAISED TO PROVIDE SLOPED PAVING THAT SURFACE FLOWS TO THE STREET SO ALL OF THE PARKING LOT AND DOCK AREA WILL BE PUMPED TO THE STREET THRU THE CURB. NO OFFSITE RUNOFF CURRENTLY ENTERS THE SITE AND THE NEW DESIGN WILL NOT HANDLE ANY OFFSITE RUNOFF EITHER. THE DOWNSIDE FACILITY IS A 24" DIAMETER STORM DRAIN THAT FLOWS SOUTH IN 1ST STREET AND THE IMPACT TO THIS FACILITY WILL NOT BE CHANGED WITH THIS NEW CONSTRUCTION.

EROSION CONTROL PLAN

- CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
- CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT OUT OF EXISTING RIGHT-OF-WAY.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL STORM RUN OFF ON SITE.
- REPAIR OF DAMAGED FACILITIES AND CLEAN-UP OF SEDIMENT ACCUMULATION ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING NPDES PERMIT FOR THE SITE, IF NECESSARY.

DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY NOTICE TO CONTRACTOR

- AN EXCAVATION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT THE LINE LOCATING SERVICE, NEW MEXICO ONE CALL 260-1930, (NM ONE CALL "811") FOR THE LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY. BACKFILL COMPACTION SHALL BE ACCORDING TO TRAFFIC/STREET USE.
- MAINTENANCE OF THE FACILITY SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY BEING SERVED.
- WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.



BENCHMARK

ACS STA 17-J14 CITY OF ALBUQUERQUE SURVEY CONTROL MONUMENT, BEING A 3-1/4 INCH ALUMINUM DISC STAMPED "J-14 1983" SET FLUSH WITH THE TOP OF THE CONCRETE AT THE INTERSECTION OF LOMAS BOULEVARD NW AND EIGHTH STREET NW. ELEV. 4951.484 (NAVD 1988)

TEMPORARY BENCHMARK (TBM)

TOP OF EXISTING CONCRETE WALL SOUTH SIDE OF STAIR. ELEV. 4964.51

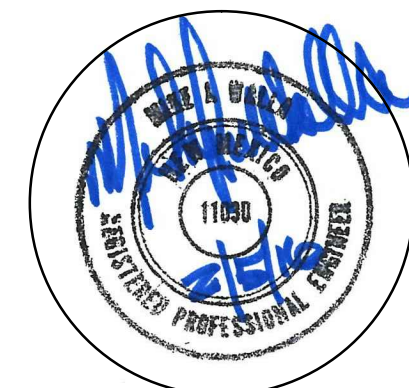
Walla Structural Engineering
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LOADING DOCK REMODEL

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Albuquerque NM 87102

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413 second st w
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505 246 0870
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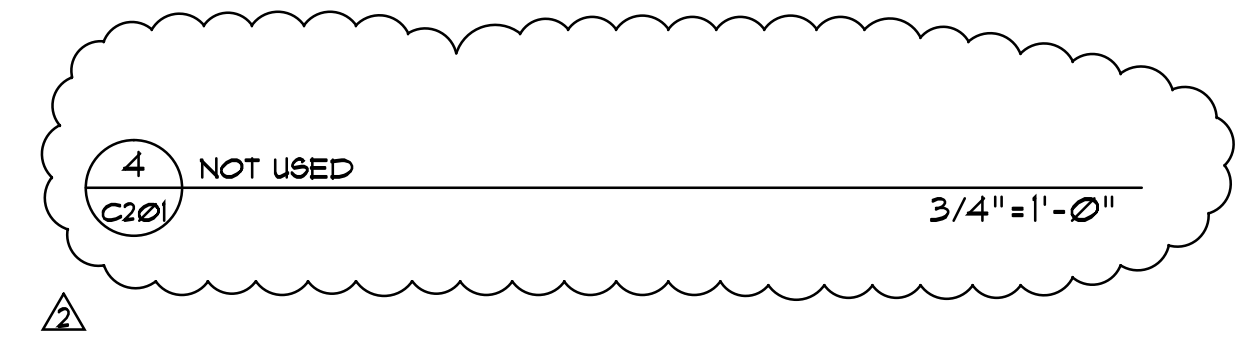
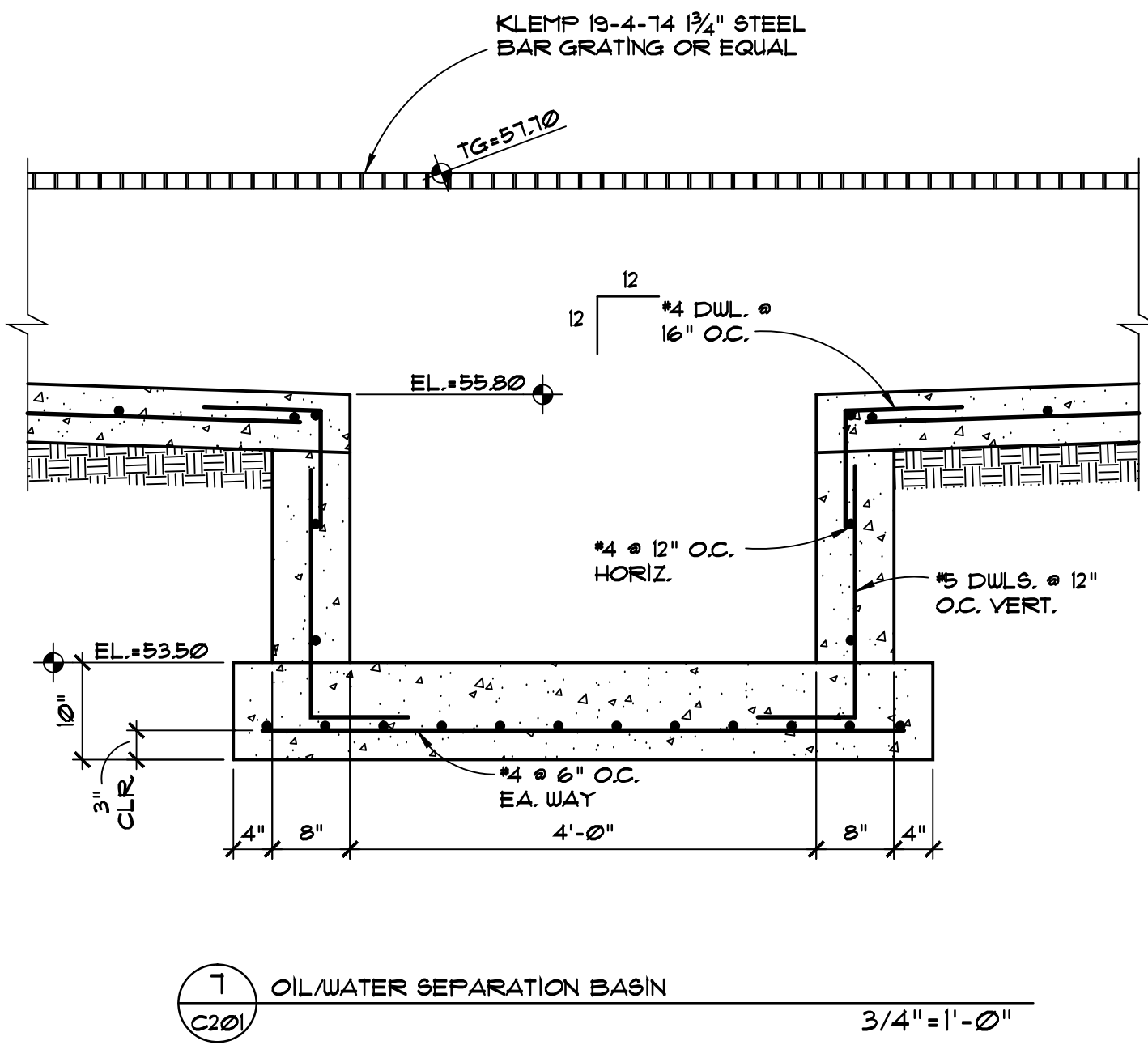
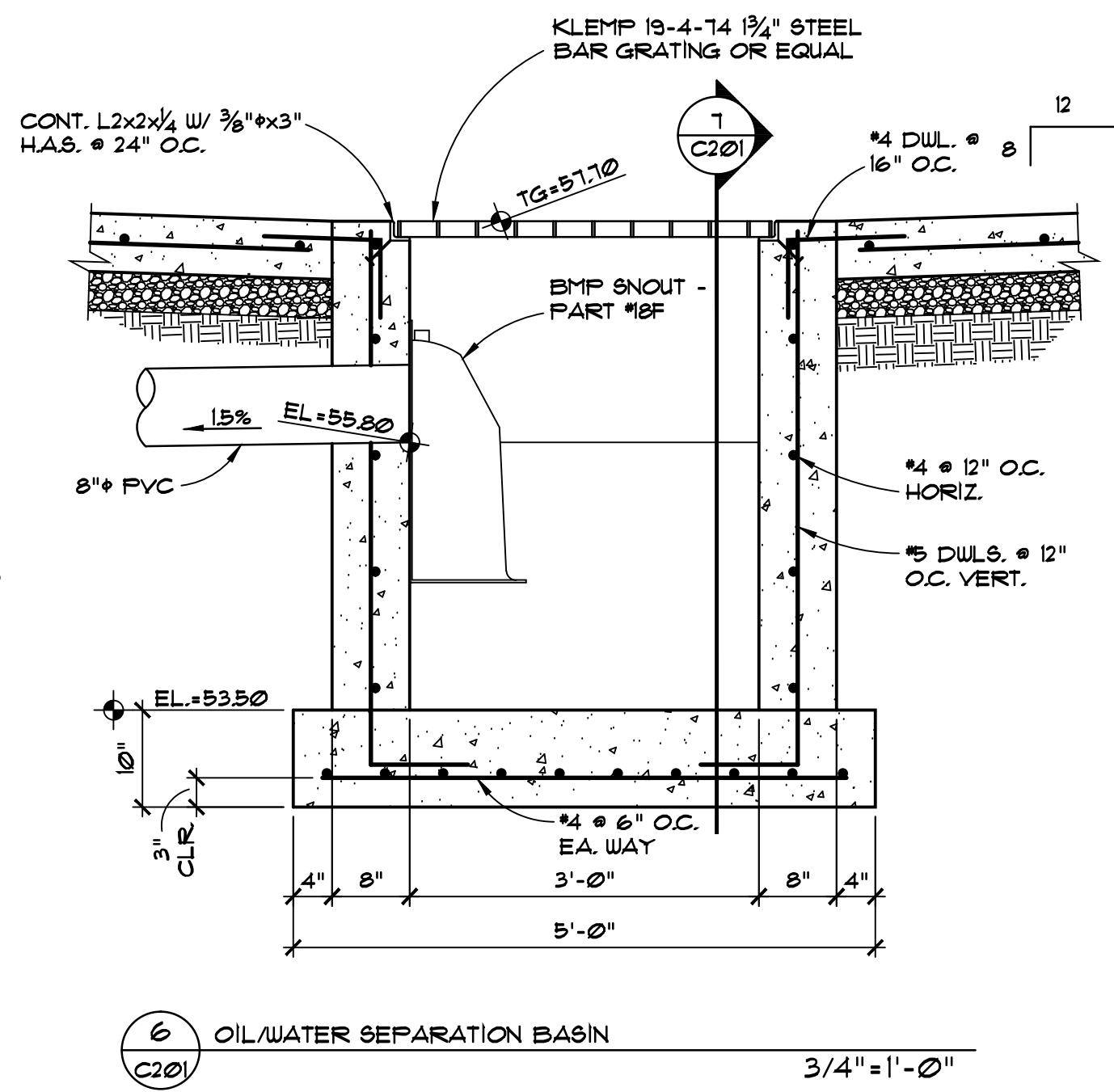
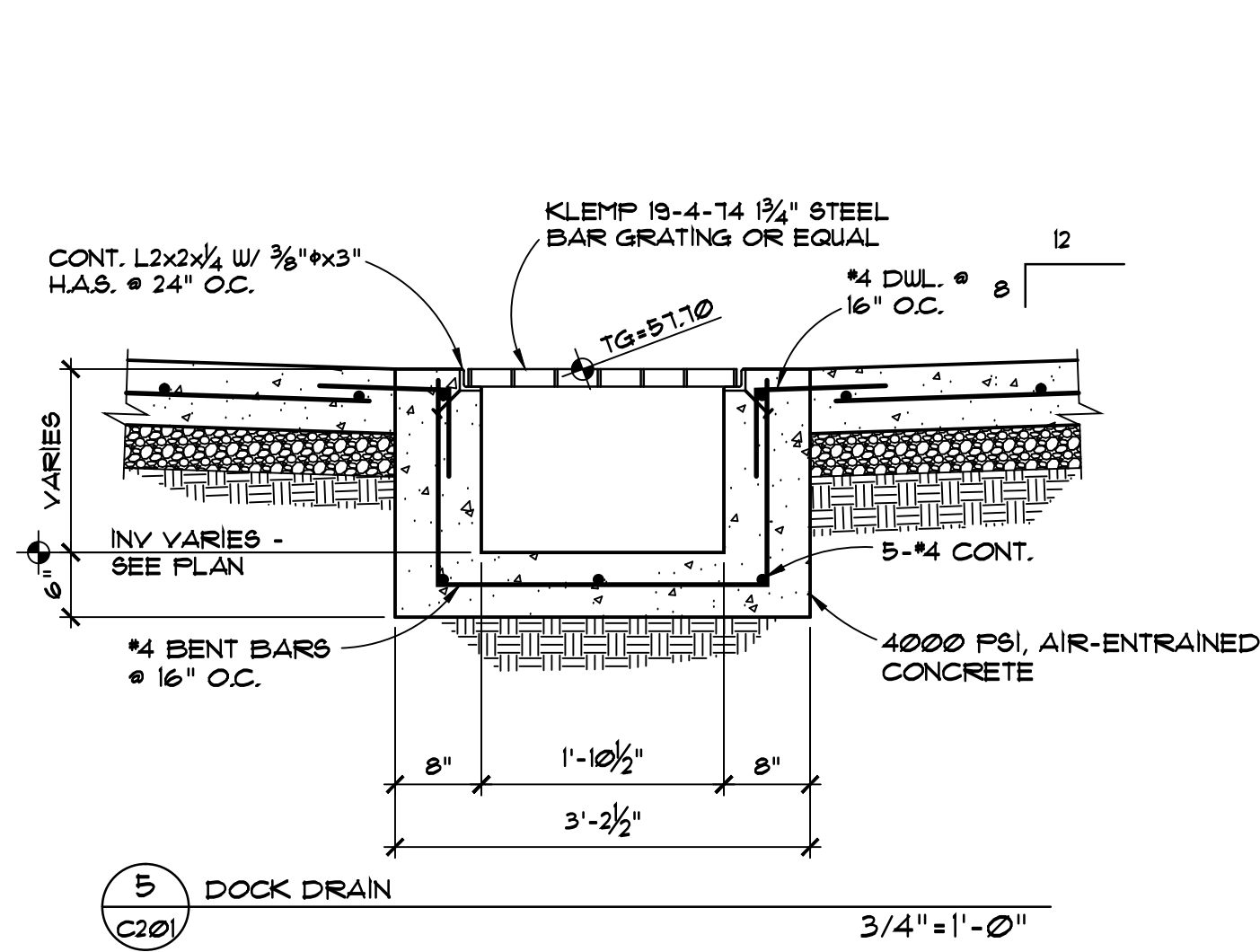
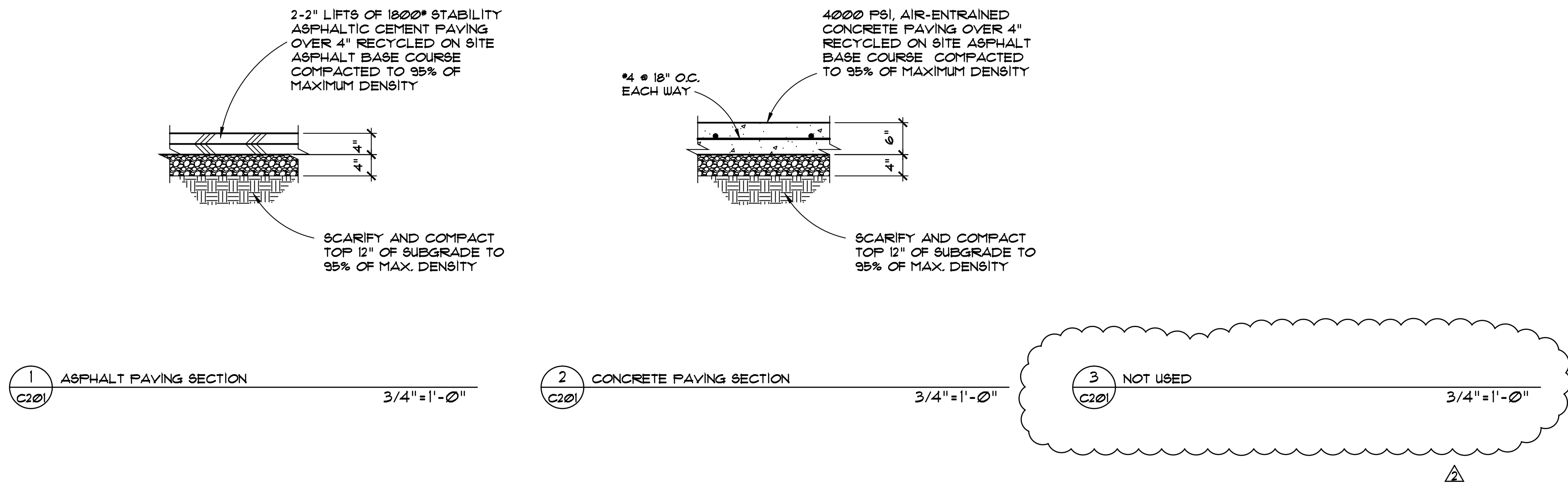
GRADING AND DRAINAGE PLAN



revisions

- COA COMMENTS 12-22-15
- COA COMMENTS 2-5-16

date
12-15-15
sheet
C101



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881-3008 Facsimile 881-4025

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CIVIL DETAILS



revisions

△ C.O.A. COMMENTS 12-22-15
△ C.O.A. COMMENTS 2-5-16

date
12-15-15
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C201