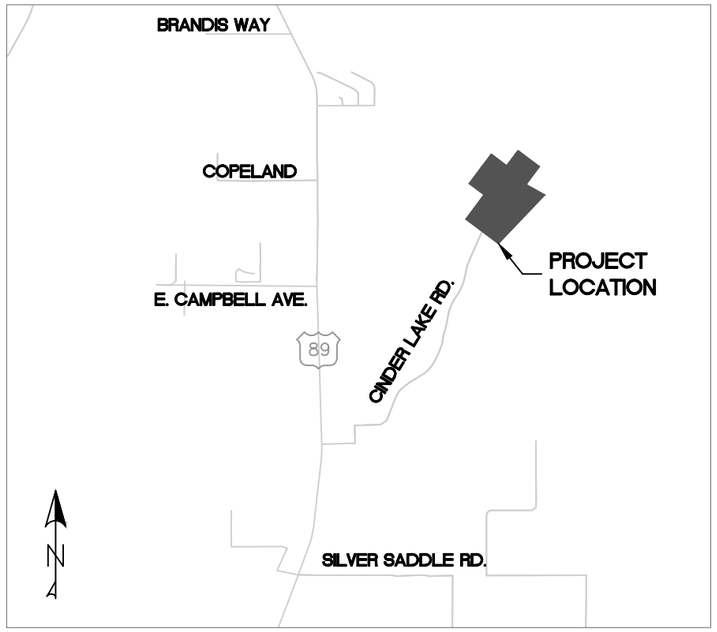
PLOTTED: Apr 30, 2014–11:48pm

FILE: S:\Capstone\CENE\CENE–Cap–08\DWG\Construction Plans\CVR.dwg <<C3D_Imperial>>

CITY OF FLAGSTAFF
CINDER LAKE LANDFILL
RESIDENTIAL DROP-OFF CENTER.

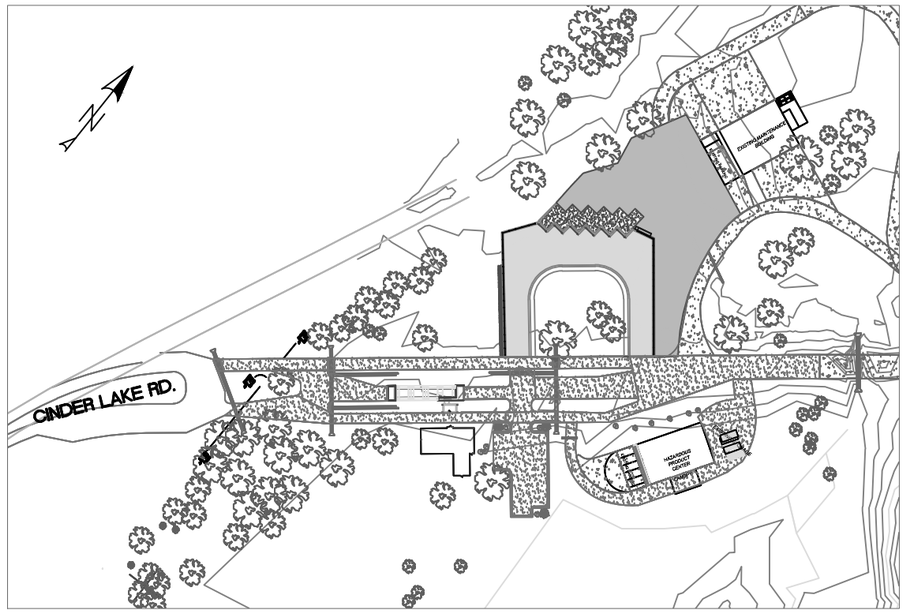
CONSTRUCTION PLAN

LOCATED IN THE SOUTHWEST 1/4 OF SECTION 11
T 22 N, R 08 E, GILA and SALT RIVER MERIDIAN,
COCONINO COUNTY, ARIZONA



VICINITY MAP

NOT TO SCALE



SITE PLAN

NOT TO SCALE

LEGEND

- EXISTING INTERMEDIATE CONTOUR
- EXISTING WATERLINE
- LOT LINE
- BUILDING OUTLINE
- EXISTING UNPAVED ROAD
- EXISTING PAVED ROAD
- EXISTING CULVERT
- EXISTING CHAIN LINK FENCE
- EXISTING UNDERGROUND ELECTRIC
- EXISTING STREET OR PARKING LOT LIGHT
- EXISTING POWER POLE
- EXISTING TRAFFIC CONTROL SIGN
- PROPOSED BIN PADS
- PROPOSED DROP–OFF CENTER ROAD
- PROPOSED PAVED ROAD
- EXISTING SPRUCE TREE
- EXISTING SHRUB
- EXISTING SMALL SHRUB

NOTE:
1. TOPOGRAPHIC AND BOUNDARY INFORMATION PROVIDED BY CITY OF FLAGSTAFF. COORDINATE SYSTEM: NAD 83 ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FOOT.

OWNER:
CITY OF FLAGSTAFF
CINDER LAKE LANDFILL
211 WEST ASPEN AVENUE
FLAGSTAFF, AZ 86001
PHONE: (928) 527–9843

ENGINEER:
PINE ENGINEERING, INC.
CONTACT: GERARDO GONZALEZ
2112 S HUFFER LN.
FLAGSTAFF, AZ 86011
PHONE: (928) 523–2051

GEOTECHNICAL REPORT:
TALLPINES ENVIRONMENTAL
CONSULTING CO.
2 S. BEAVER STREET
FLAGSTAFF, AZ 86001
(928) 774–0060

GRADING DESCRIPTIONS LEGEND

ME	MATCH EXISTING*
FG	FINISHED GRADE
FL	FLOWLINE
C	CONCRETE
TC	TOP OF CURB
P	ASPHALT PAVEMENT
SW	SIDEWALK
TW	TOP OF WALL
BW	BOTTOM OF WALL
TP	TOP OF POND
BP	BOTTOM OF POND
×##	HORIZONTAL CONTROL POINT
→	DRAINAGE ARROW
0.5%	DRAINAGE SLOPE

Sheet List Table	
Sheet Number	Sheet Title
CVR	COVER SHEET
C1	NOTES SHEET
C2	DETAIL
C3	STAIR DETAILS
C4	RETAINING WALL DETAIL
C5	HORIZONTAL CONTROL POINTS
C6	IMPROVEMENTS PLAN
C7	GRADING

SHEET CVR OF 8

COCONINO COUNTY ARIZONA

RESIDENTIAL DROP–OFF CENTER

COVER SHEET

JOB NO:	0001
DATE:	APR. 14
SCALE:	AS SHOWN
DRAWN:	GAG
DESIGN:	GG,FP,TD,JF
CHECKED:	TD

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COCONINO COUNTY GENERAL NOTES

1. APPROVAL OF THESE PLANS BY THE COUNTY ENGINEER IS FOR A ONE–YEAR PERIOD, SUBSEQUENT TO THE DATE OF APPROVAL. IF CONSTRUCTION WORK IS NOT STARTED WITHIN THE ONE–YEAR PERIOD, OR HAS BEEN DISCONTINUED FOR ANY REASON FOR LONGER THAN ONE YEAR, THE PLANS SHALL BE RESUBMITTED FOR REVIEW AND RE–APPROVAL.

2. PLAN REVIEW BY THE COUNTY DOES NOT EXTEND TO MATERIAL QUANTITIES SHOWN ON THE PLANS.

3. AN ENCROACHMENT PERMIT, ISSUED BY THE PUBLIC WORKS DEPARTMENT IS REQUIRED FOR ALL WORK IN COUNTY RIGHTS–OF–WAY OR EASEMENTS. FOR CONSTRUCTION OF ANY IMPROVEMENTS A GRADING PERMIT WILL BE REQUIRED.

4. THE COUNTY SHALL BE NOTIFIED FORTY–EIGHT (48) HOURS PRIOR TO BEGINNING DIFFERENT PHASES OF CONSTRUCTION SO THAT COUNTY INSPECTORS MAY BE SCHEDULED.

5. FOR CONSTRUCTION PURPOSES, THE FOLLOWING PRECEDENCE OF STANDARDS WILL PREVAIL: CURRENT COCONINO COUNTY PUBLIC WORKS ENGINEERING DEPARTMENT STANDARDS (INCLUDING; ENGINEERING DESIGN AND CONSTRUCTION CRITERIA; EARTHWORK, CONCRETE, AND PAVING STANDARDS); PROJECT SPECIFIC PLANS AND SPECIFICATIONS; ADOT STANDARDS; AND MAG STANDARDS – OR OTHER SPECIFICATIONS APPROVED BY THE COUNTY ENGINEER AND WITH GENERALLY ACCEPTED GOOD CONSTRUCTION PRACTICE. ALL WORK AND MATERIALS WHICH DO NOT CONFORM TO THE STANDARDS AND SPECIFICATIONS ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.

6. ANY WORK PERFORMED WITHOUT THE KNOWLEDGE AND APPROVAL OF THE COUNTY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE, IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.

7. THE COUNTY ENGINEER OR AUTHORIZED REPRESENTATIVE MAY SUSPEND THE WORK BY WRITTEN NOTICE WHEN, IN THEIR JUDGMENT, PROGRESS IS UNSATISFACTORY, WORK BEING DONE IS UNAUTHORIZED OR DEFECTIVE, WEATHER CONDITIONS ARE UNSUITABLE, OR THERE IS DANGER TO THE PUBLIC HEALTH OR SAFETY.

8. THE COUNTY ENGINEER MAY ORDER ANY OR ALL MATERIALS USED IN THE WORK TO BE TESTED ACCORDING TO THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) AND THE AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) STANDARDS. THE CONTRACTOR SHALL, AT THEIR EXPENSE, HIRE A QUALIFIED TESTING LABORATORY TO PERFORM QUALITY CONTROL (QC) DURING ALL PHASES OF CONSTRUCTION, AS STATED IN COCONINO COUNTY STANDARDS, OR AS DIRECTED IN THE SPECIAL PROVISIONS.

9. LOCAL FIRE DEPARTMENT, COUNTY ENGINEERING DIVISION AND OTHER EMERGENCY RESPONDER'S APPROVAL IS REQUIRED FOR OBSTRUCTION OF ACCESS OR WATER SYSTEM SHUTDOWN – SUBMISSION OF TRAFFIC CONTROL PLANS ARE REQUIRED.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE STREETS AND OF PARTIALLY COMPLETED PORTIONS OF THE WORK UNTIL FINAL ACCEPTANCE OF THE WORK. ANY ROADS REQUIRED TO BE CLOSED FOR THE CONSTRUCTION ACTIVITY SHALL BE REOPENED WITHIN A REASONABLE TIME OR UPON ORDER OF COUNTY ENGINEER. THE REGULATION AND CONTROL OF THIS TRAFFIC SHALL BE AS DIRECTED BY THE COUNTY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE.

11. APPROVAL OF A PORTION OF THE WORK IN PROGRESS DOES NOT GUARANTEE ITS FINAL ACCEPTANCE. TESTING AND EVALUATION MAY CONTINUE UNTIL WRITTEN FINAL ACCEPTANCE OF A COMPLETE WORKABLE UNIT. ANY DEFECTS WHICH APPEAR IN THE WORK WITHIN ONE YEAR FROM THE DATE OF ACCEPTANCE AND WHICH ARE DUE TO IMPROPER WORKMANSHIP OR INFERIOR MATERIALS SUPPLIED SHALL BE CORRECTED BY OR AT THE EXPENSE OF THE OWNER/DEVELOPER OR THE CONTRACTOR.

12. ACCEPTANCE OF COMPLETED PUBLIC IMPROVEMENTS WILL NOT BE GIVEN UNTIL DEFECTIVE OR UNAUTHORIZED WORK IS REMOVED, AND FINAL CLEAN–UP IS COMPLETE.

13. LOCATION OF UNDERGROUND UTILITIES BEFORE WORK IS BEGUN IS TO BE ACCOMPLISHED IN ACCORDANCE WITH ARS 40–361–22.

14. IF WORK IS TO BE PERFORMED ON PRIVATE PROPERTY IN RELATION TO A PROJECT CONSTRUCTED UNDER THESE STANDARDS, THE COUNTY WILL PROVIDE THE WRITTEN AUTHORIZATION FROM THE PROPERTY OWNER TO DO SO.

15. THE ESTABLISHMENT AND USE OF TEMPORARY CONSTRUCTION YARDS SHALL REQUIRE WRITTEN AUTHORIZATION FROM THE COUNTY PUBLIC WORKS DEPARTMENT.

COCONINO COUNTY PAVING NOTES (PAVING PLANS)

1. ALL PAVING SHALL BE PERFORMED IN ACCORDANCE WITH COCONINO COUNTY PW ENGINEERING DEPARTMENT PAVING STANDARDS

2. EXACT POINT OF MATCHING TERMINATION AND OVERLAY, IF NECESSARY, SHALL BE DETERMINED IN THE FIELD BY THE COUNTY ENGINEER OR HIS AUTHORIZED REPRESENTATIVES.

3. NO JOB WILL BE CONSIDERED COMPLETE UNTIL:
   a.) ALL CURBS, PAVEMENTS, SIDEWALKS, DITCHES, AND MANHOLES HAVE BEEN CLEANED OF ALL DIRT AND DEBRIS.
   b.) SURVEY MONUMENTS ARE INSTALLED AND STAMPED.
   c.) ALL FRAMES, COVERS, AND VALVE BOXES ARE ADJUSTED TO GRADE.

4. ASPHALT SHALL NOT BE PLACED BEFORE BASE COURSE HAS BEEN APPROVED AND BASE COURSE WILL NOT BE PLACED UNTIL SUBGRADE HAS BEEN APPROVED BY THE COUNTY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE.

5. THE LOCATION OF ALL WATER VALVES, FIRE HYDRANTS, AND MANHOLES MUST AT ALL TIMES DURING CONSTRUCTION BE REFERENCED AND MADE ACCESSIBLE TO THE COUNTY.

6. EXISTING STREET AND TRAFFIC SIGNS WILL BE MAINTAINED DURING CONSTRUCTION AND RELOCATED BY THE PERMITTEE AS DIRECTED BY THE COUNTY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE.

PINE ENGINEERING, INC. GENERAL NOTES

UTILITY COORDINATION

THE UTILITY LOCATIONS SHOWN ON PLANS ARE PER THE "CAMPBELL AVENUE WATER LINE PLANS" AND "CAMPBELL AVENUE UTILITY RELOCATION PLANS" BY SHEPHARD–WESNITZER, INC. THE CONTRACTOR SHALL HAVE THE RESPONSIBILITY FOR DETERMINING FINAL UNDERGROUND UTILITY LOCATIONS, SCHEDULING BLUE STAKE AND GENERAL CONFORMANCE TO UTILITY AGENCY REQUIREMENTS AND SPECIFICATIONS FOR CONDUCTING THE WORK. THE APPROPRIATE UTILITY COMPANIES SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION. "BLUE STAKE" NUMBER IS 1–800–STAKE–IT.

CONSTRUCTION STAKES, LINES, AND GRADES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR RETAINING A REGISTERED LAND SURVEYOR, LICENSED TO PRACTICE IN ARIZONA, WHO SHALL BE RESPONSIBLE FOR PROVIDING ALL STAKES NECESSARY TO ESTABLISH CONSTRUCTION LINES AND GRADES. STAKES PROVIDED SHALL BE OF SUFFICIENT NUMBER TO SATISFY THE ENGINEER THAT THE WORK MAY BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS.
ALL COSTS ASSOCIATED WITH STAKING ARE TO BE BORNE BY THE CONTRACTOR. NO ADDITIONAL PAYMENT TO THE CONTRACTOR FOR EXTRA STAKES OR RESTAKING WILL BE ALLOWED.

RIGHT–OF–WAY AND TRAFFIC CONTROL

THE CONTRACTOR SHALL PROVIDE ANY NECESSARY TRAFFIC CONTROL DEVICES REQUIRED FOR THE CONTROL OF VEHICLE AND PEDESTRIAN TRAFFIC AFFECTED BY THE CONSTRUCTION. ALL TRAFFIC CONTROL PLANS MUST CONFORM TO THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES," LATEST EDITION, COCONINO COUNTY STANDARDS, AND BE APPROVED BY THE OWNER OR HIS AUTHORIZED REPRESENTATIVE PRIOR TO IMPLEMENTATION.

MISCELLANEOUS REMOVALS AND OTHER WORK

REMOVALS NECESSITATED BY THE WORK AS IT PROGRESSES AND NOT SPECIFICALLY CALLED OUT ON THE PLANS WILL BE CONSIDERED INCIDENTAL WORK.

CLEANUP AND DUST CONTROL

THROUGHOUT ALL PHASES OF THE CONSTRUCTION THE CONTRACTOR SHALL KEEP THE WORK AREA, ADJACENT PROPERTIES, AND STREETS CLEAN AND FREE FROM RUBBISH, EXCESS MATERIALS, DUST, AND DEBRIS GENERATED BY THE CONSTRUCTION ACTIVITY. THE COST OF THIS WORK SHALL BE INCLUDED AS INCIDENTAL WORK IN THE TOTAL BID PRICE.

DRAINAGE MAINTENANCE DURING CONSTRUCTION

ADEQUATE DRAINAGE OF THE CONSTRUCTION AREA SHALL BE PROVIDED AT ALL TIMES. CONSTRUCTION DRAINS SHALL BE PROVIDED AS NEEDED TO ENABLE WATER TO DRAIN FROM THE CONSTRUCTION AREA RAPIDLY AND WITHOUT DAMAGING THE WORK IN PROGRESS. TO FURTHER PROMOTE GOOD DRAINAGE OF THE SITE, DRAINAGE CHANNELS, CULVERTS, AND STRUCTURES SHALL BE CONSTRUCTED FROM DOWNSTREAM TO UPSTREAM IN SUCH A WAY THAT, DURING CONSTRUCTION, THEY DO NOT IMPEDE THE FLOW OF WATER FROM THE CONSTRUCTION AREA. THE COST FOR THIS WORK SHALL BE INCLUDED AS INCIDENTAL WORK IN THE TOTAL BID PRICE.

DAMAGE TO ADJACENT PROPERTIES OR TO ANY PORTION OF THE WORK CAUSED BY THE CONTRACTOR'S FAILURE TO PROVIDE ADEQUATE DRAINAGE OF THE CONSTRUCTION SITE OR TO ORDER THE WORK SO AS TO MINIMIZE THE POSSIBLE EXTENT OF SUCH DAMAGE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

NO EXTENSION OF TIME SHALL BE GRANTED ON ACCOUNT OF THE TIME REQUIRED TO MAKE SUCH REPAIRS.

EARTHWORK SUMMARY

SITE GRADING:
UNADJUSTED FILL: 625 C.Y.
UNADJUSTED CUT: 2,700 C.Y.

THE ENGINEER HAS USED HIS BEST JUDGMENT IN THE ESTIMATION OF THE EARTHWORK FOR THIS PROJECT. THE ENGINEER HAS NO CONTROL OVER VARYING FIELD CONDITIONS AND CONSTRUCTION METHODS INVOLVED IN THE SITE GRADING. CONSEQUENTLY, ACTUAL QUANTITIES, COST AND TIME REQUIRED FOR THIS PROJECT MAY BE AFFECTED BY MANY FACTORS BEYOND THE ENGINEER'S CONTROL, AND ENGINEER SHALL NOT BE HELD LIABLE FOR ANY DEVIATION FROM ITS ESTIMATED QUANTITIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EARTHWORK QUANTITIES BASED ON THE GEOTECHNICAL REPORT BY NINYO & MOORE. ABOVE IS THE ENGINEER'S ESTIMATE OF RAW EARTHWORK QUANTITIES FOR THIS PROJECT. (NO SHRINKAGE VALUES ARE TAKEN INTO CONSIDERATION IN THESE QUANTITIES).

SHEET C1 OF 8

COCONINO COUNTY ARIZONA

RESIDENTIAL DROP–OFF CENTER

NOTES SHEET

JOB NO: 0001
DATE: APR 14
SCALE:
DRAWN: GG
DESIGN: GG,FP_TD,JK
CHECKED: TD

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ELEVATION

RIPRAP GRADATION TABLE

PERCENT PASSING	SIZE	D-50 CLASS RIPRAP, INCHES						
		6	9	12	18	24	36	30
100 to 90	2.0 D-50	12	18	24	36	48	72	60
85 to 70	1.5 D-50	9	14	18	27	36	54	45
50 to 30	1.0 D-50	6	9	12	18	24	36	30
15 to 5	0.67 D-50	4	6	8	12	16	24	20
5 to 0	0.33 D-50	2	3	4	6	8	12	10

RIPRAP
-RIPRAP SHALL HAVE A BULK SPECIFIC GRAVITY OF 2.4 OR GREATER (PER ASTM C127) AND ALL ROCK SHALL BE ANGULAR
-RIPRAP SHALL BE BETWEEN 3-INCHES AND 12-INCHES IN DIAMETER, WITH 50% (BY WEIGHT) LARGER THAN 6-INCHES IN DIAMETER UNLESS OTHERWISE SPECIFIED BY THE CITY ENGINEER

A **RIPRAP INSTALLATION DETAIL**

SHEET C2 OF 8

COCONINO COUNTY ARIZONA

RESIDENTIAL DROP-OFF CENTER

DETAIL SHEET

JOB NO:	0001
DATE:	APR. 14
SCALE:	AS SHOWN
DRAWN:	GG
DESIGN:	GG,FP_TD,JF
CHECKED:	TD

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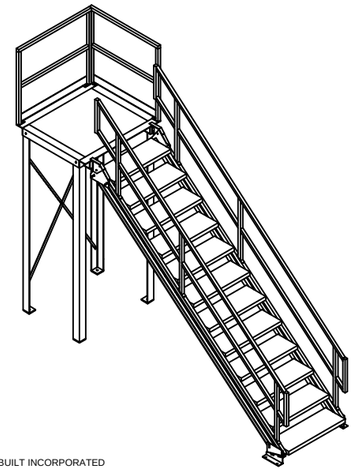
PLOTTED: Apr 30, 2014-11:48pm

FILE: S:\Capstone\CENE\CENE-Cap-08\DWG\Construction Plans\STAIRS DETAILS.dwg <<C3D_Imperial>>

ASSEMBLY INSTRUCTIONS FOR ADJUSTABLE STAIRS
STAIR TO LANDING CONNECTION



1. Accurately measure the height of the stairs (the exact distance from the top of the floor to the top of the landing) to determine how many treads you will need. You must first check with OSHA, or other local codes.
IT IS THE RESPONSIBILITY OF THE INSTALLER TO KNOW AND APPLY THE PROPER CODES WHEN INSTALLING THESE STAIRS.

2. Normally the desired rise of each tread falls between 6" and 9" high. Lets assume you are looking for just under a 7" rise. Take the results of instruction number one, which is the height, and divide by 7. (lets assume the height to be 120").
Example – 120 divided by 7 = 17.1 round this off to 18 since this is over 18 and you will need 18 steps to get below a 7" rise. Now divide by the number of steps.
Example – 120" divided by 18 = 6.66" rise for each step.

3. The actual number of steps is 18, however you will need only 17 treads to get 18 steps because the top platform becomes the 18th step. (See figure #1)

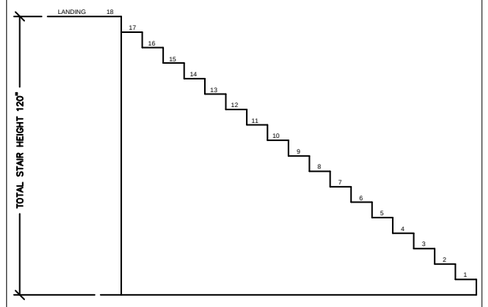
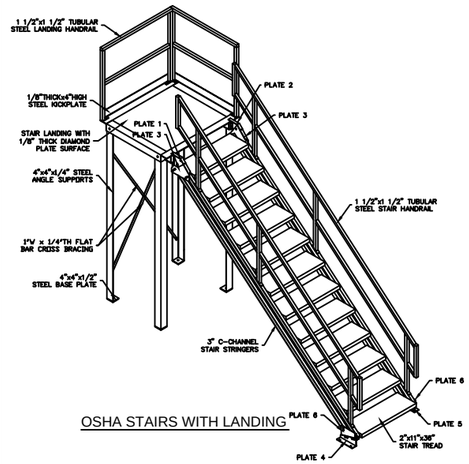
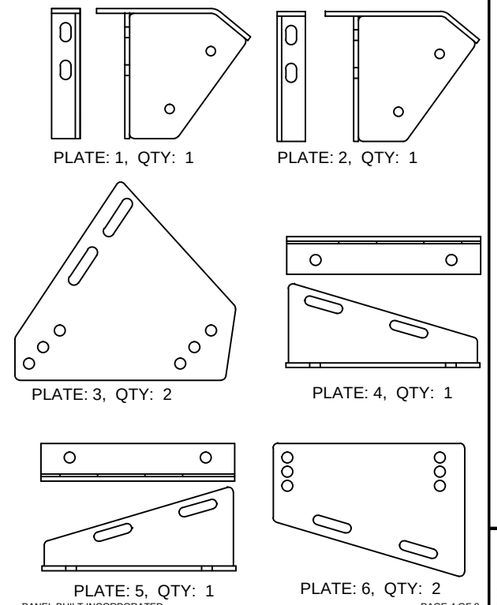
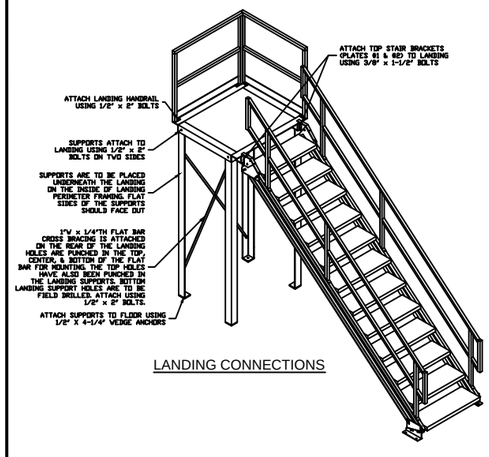


FIGURE-1



OSHA STAIRS WITH LANDING





LANDING CONNECTIONS

PANEL BUILT INCORPORATED

9. Add all remaining treads using 3/8"x1 1/2" bolts w/ nut flat washer & lock washer. (See figure #7)

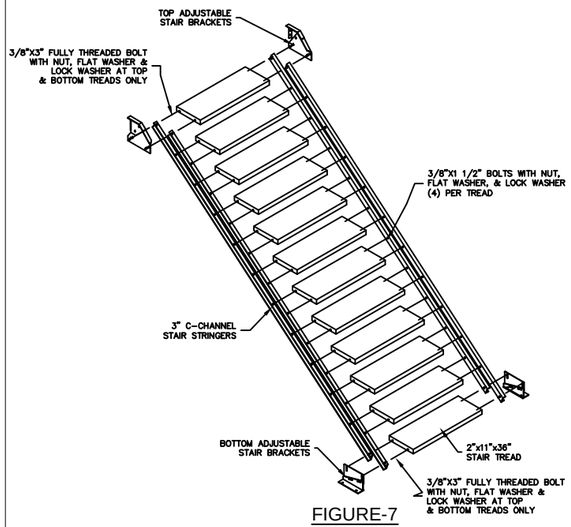


FIGURE-7

7. Loosely bolt plates 3 to plates 1 & 2 using 3/8"x1 1/2" bolts w/ nut flat washer & lock washer. Attach stringers (3" C-Channel), span side away from tread, and one tread to the inside of plates 3 using 3/8"x3" fully threaded bolts w/ nut, flat washer & lock washer. Now by sliding plates 3 set your tread to the desired rise. (See figure #5)

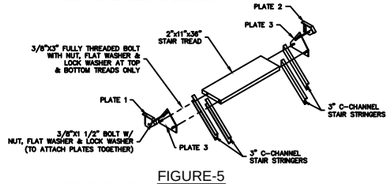


FIGURE-5

8. BOTTOM ADJUSTING PLATES:
Attach plates 4 & 5 (\ to the inside of 3), 6 & 5 (/ to the inside of 3) using 3/8"x1 1/2" bolts, w/ nut flat washer & lock washer. Attach the stringer and bottom tread using 3/8"x3" fully threaded bolts, w/ nut flat washer & lock washer to the inside of plates 4. Set the rise equal to the top. Anchor plates 4 & 6 to the floor using 1/2"x4 1/4" wedge anchors with nut, & flat washer. (See figure #6)

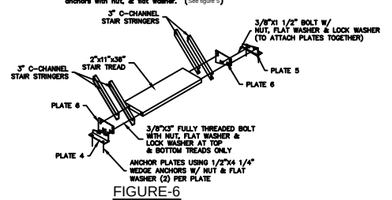


FIGURE-6

11. Attach handrail to stringer using 3/8"x1 1/2" bolt, w/ nut flat washer & lock washer. (See figure #8)

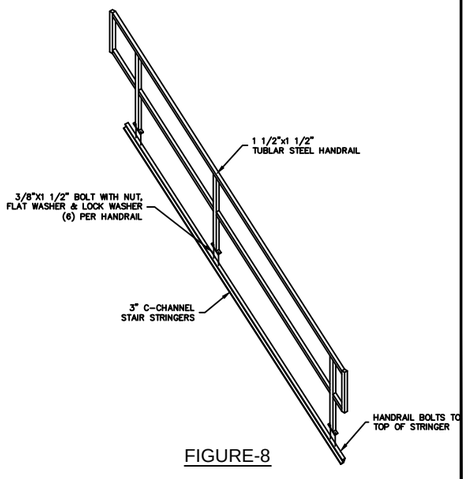


FIGURE-8

SHEET C3 OF 8

COCONINO COUNTY ARIZONA

RESIDENTIAL DROP-OFF CENTER

STAIR DETAILS

JOB NO:	0001
DATE:	NOV 98
SCALE:	AS SHOWN
DRAWN:	GG
DESIGN:	GG,FP,TD,JF
CHECKED:	TD

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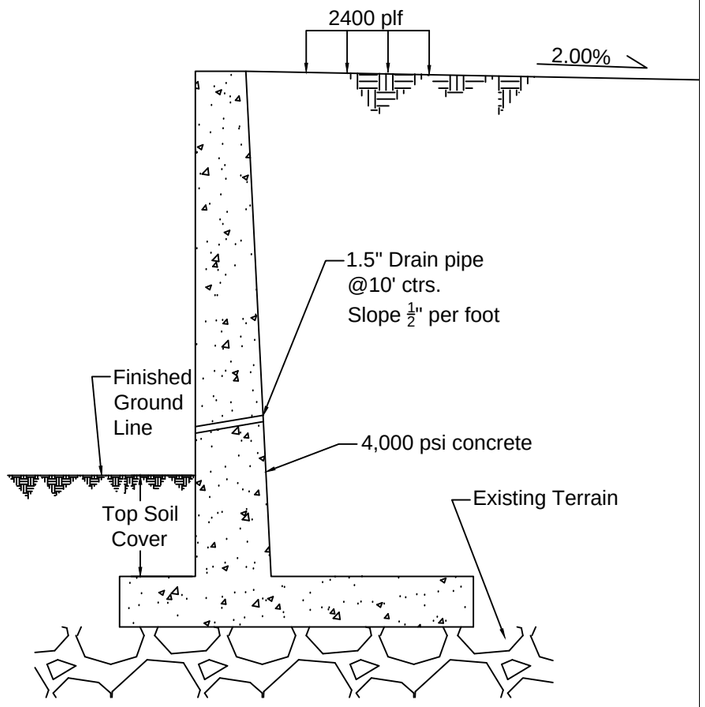
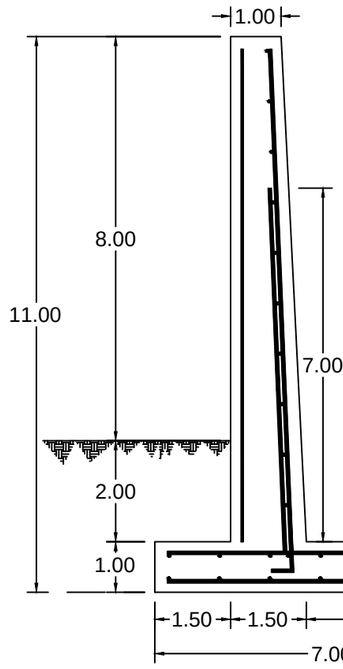


RETAINING WALL COMPONENTS



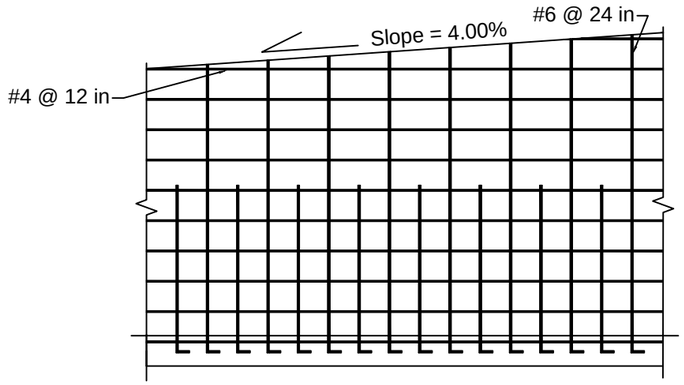
Stem Reinforcement:
Vertical Bar (Right)- #6 @ 12 in
Vertical Bar (Left)- #4 @ 24 in
Transverse Bar- #4 @ 12 in

Toe Reinforcement:
Horizontal Bar- #6 @ 12 in

Heel Reinforcement:
Horizontal Bar- #6 @ 12 in

Transverse Reinforcement
in Footing- #4 @ 12 in

RETAINING WALL DIMENSIONS AND REINFORCEMENT



RETAINING WALL SIDE VIEW

SHEET C4 OF 8

COCONINO COUNTY
ARIZONA

RESIDENTIAL DROP–OFF CENTER

RETAINING WALL DETAIL

JOB NO: 0001
DATE: MAR 14
SCALE: NTS
DRAWN: FP
DESIGN: GG,FP,TD,JK
CHECKED: JF

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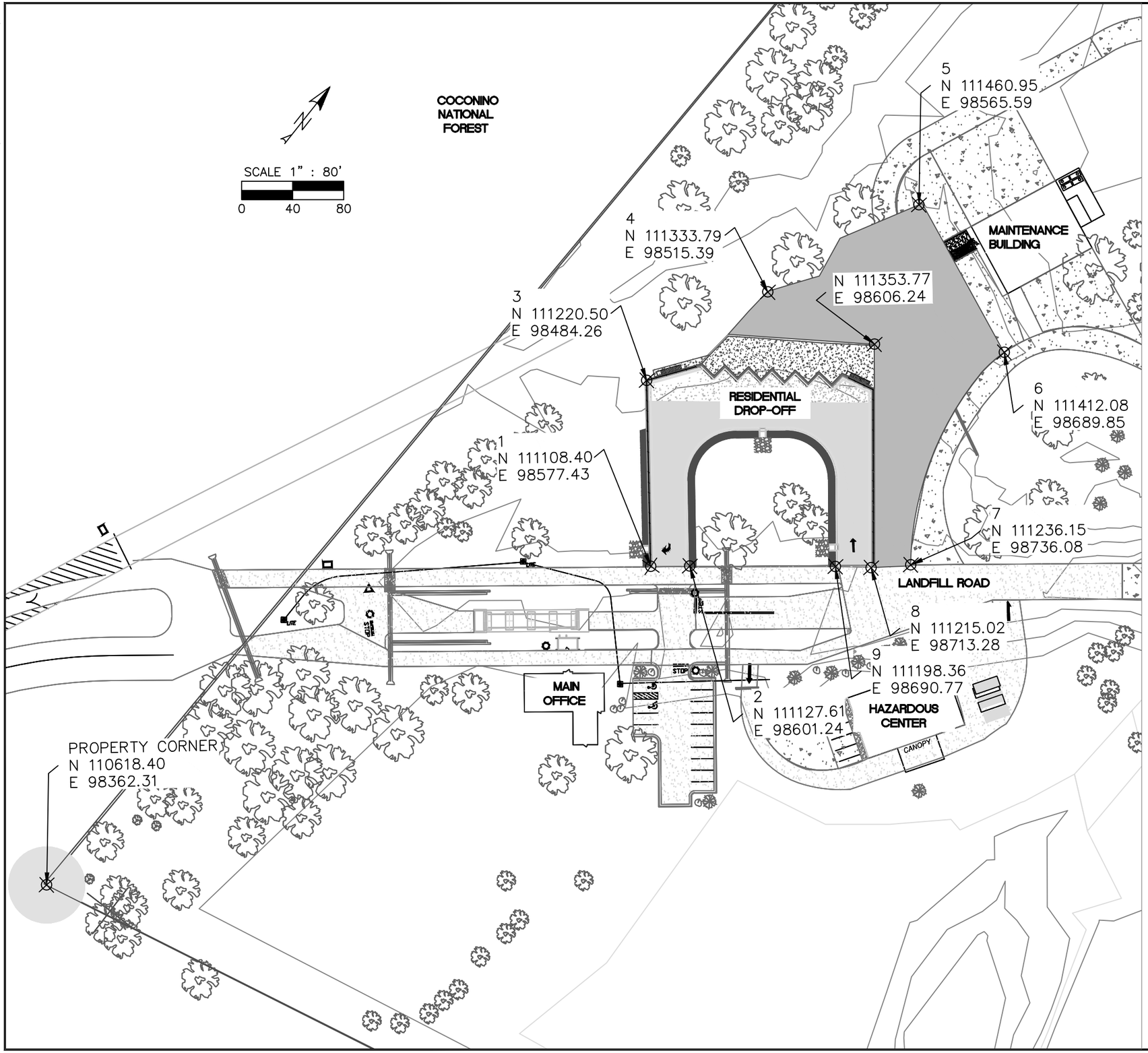

Point Table		
Point #	Northing	Easting
3	111220.5013	98484.2551
4	111460.9544	98565.5940
5	111412.0770	98689.8537
6	111236.1514	98736.0838
7	111353.7653	98606.2439
8	111108.3996	98577.4263
9	111127.6101	98601.2357
10	111198.3554	98690.7709
11	111215.0182	98713.2813
12	111333.7919	98515.3884
1	110618.4000	98362.3100

SURVEY NOTES:

LINEAR UNIT: INTERNATIONAL FOOT
GEODETIC DATUM: NORTH AMERICAN DATUM 1983
SYSTEM: ARIZONA LDP (LOW DISTORTION PROJECTION)

PROJECTION: TRANSVERSE MERCATOR
LATITUDE OF GRID ORIGIN: 35° 00' 00" N
LONGITUDE OF CENTRAL MERIDIAN: 111° 37' 00"W
NORTHING AT GRID ORIGIN: 0.000 ft.
EASTING AT CENTRAL MERIDIAN: 70,000.000 ft.
CENTRAL MERIDIAN SCALE FACTOR: 1.000333 (exact)

BASIS OF BEARINGS IS GEODETIC NORTH. NOTE THAT GRID BEARINGS SHOWN HERON DO NOT EQUAL GEODETIC BEARINGS DUE TO MERIDINAL CONVERGENCE

THE BEARINGS SHOWN ON THIS DRAWING ARE GRID BEARINGS.

SHEET C5 OF 8

COCONINO COUNTY ARIZONA
RESIDENTIAL DROP-OFF CENTER

HORIZONTAL CONTROL POINTS

JOB NO: 0001
DATE: APR. 14
SCALE: 1" = 80'
DRAWN: GAG
DESIGN: GG,FP,TD,JF
CHECKED: TD

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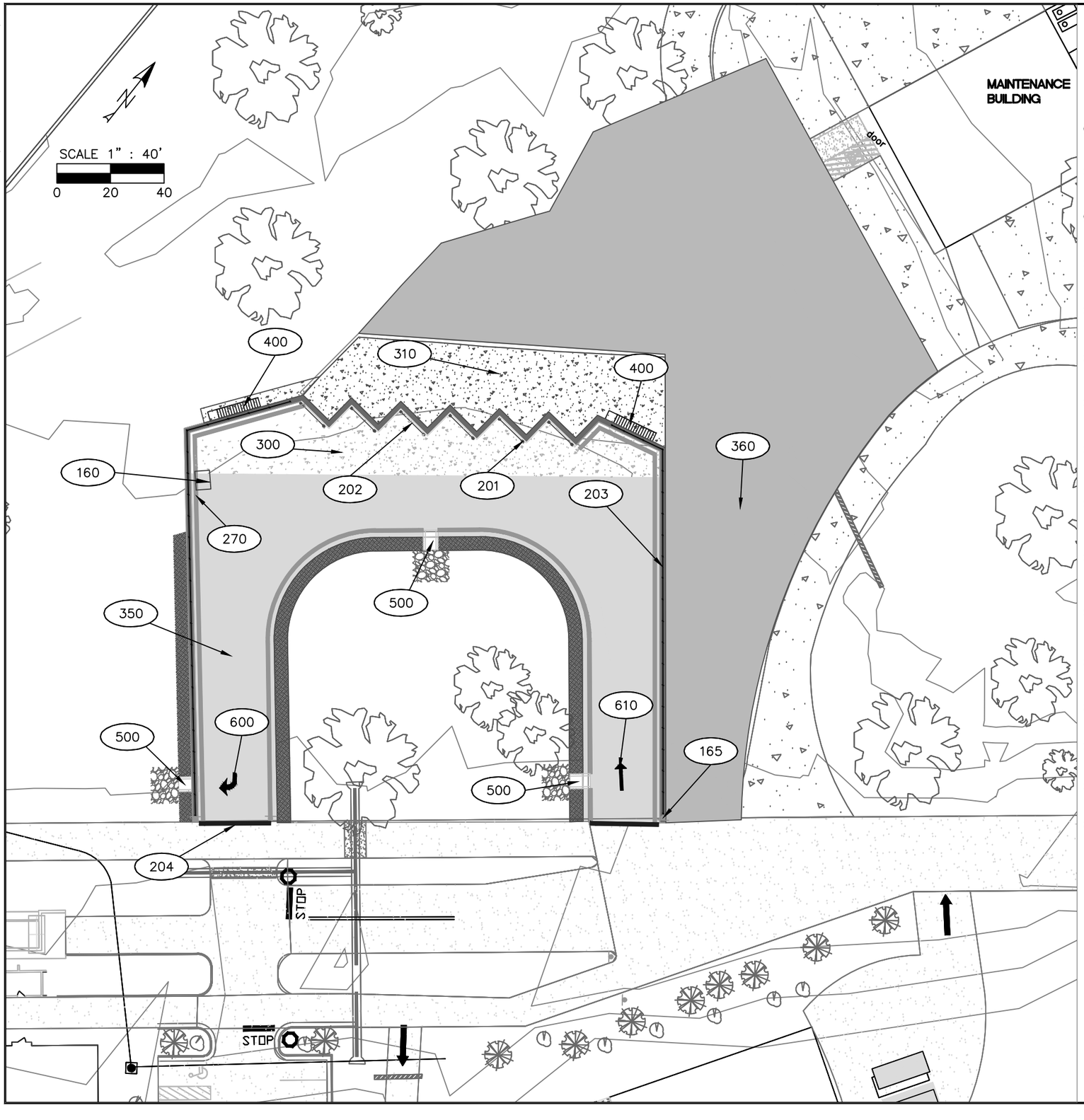
1-800-STAKE-IT



KEYNOTES

CONTRACTOR TO VERIFY QUANTITES PRIOR TO BIDDING

165 (6 EA.) PLACE NEW REGULATORY SIGNS TO NOTIFY USERS ON WHO CAN ENTER THE SITE.

160 (1 EA.) ASH BIN 6'8" X 6'3" x 5'5"

201 (1 EA.) INSTALL 5" DIAMETER REMOVABLE BOLLARDS IN FRONT OF BINS PER MAG DETAIL 140 (TYPE 2). 12 FEET APART

202 (1 EA.) INSTALL 14 FOOT LONG CHAIN LINK BETWEEN REMOVABLE BOLLARDS.

203 (341 L.F.) INSTALL SAFETY RAILING ON TOP OF RETAINING WALL PER MAG DETAIL 45 (TYPE 3).

204 (50 L.F.) 1' SAWCUT TO EXISTING ASPHALT TO MATCH NEW ASPHALT.

270 (590 L.F.) INSTALL CONCRETE HALF BARRIER 32" TYPE 'F' WITH SIDEWALK PER ADOT DETAIL C-10.51 OR EQUIVALENT.

300 (123.90 C.Y.) INSTALL CONCRETE PAVEMENT STRUCTURE SEC. NO. 2 OF THE COCONINO ENGINEERING DESIGN AND CONSTRUCTION MANUAL.

310 (142.30 C.Y.) INSTALL CONCRETE PAVEMENT STRUCTURE SEC. NO. 2 OF THE COCONINO ENGINEERING DESIGN AND CONSTRUCTION MANUAL.

350 (370.80 C.Y.) INSTALL ASPHALT PAVEMENT STRUCTURE SEC. NO. 2 OF THE COCONINO ENGINEERING DESIGN AND CONSTRUCTION MANUAL

360 (816.20 C.Y.) INSTALL ASPHALT PAVEMENT STRUCTURE SEC. NO. 2 OF THE COCONINO ENGINEERING DESIGN AND CONSTRUCTION MANUAL

400 (2 EA.) INSTALL STAIRCASE PER DETAIL SHEET C3 FROM THE PANEL BUILT INC. STANDARD DRAWING.

500 (3 EA.) INSTALL SPILLWAY INLET AND OUTLET PER MAG DETAIL 550

520 (1 EA.) REMOVE EXISTING CMP CULVERT. TRANSPORT TO COCONINO COUNTY PUBLIC WORKS YARD.

600 (1 EA.) INSTALL STRIPING PER ADOT DRAWING S-12.

610 (1 EA.) INSTALL STRIPING PER ADOT DRAWING S-12.

SHEET C6 OF 8

COCONINO COUNTY ARIZONA

RESIDENTIAL DROP-OFF CENTER

IMPROVEMENTS PLAN

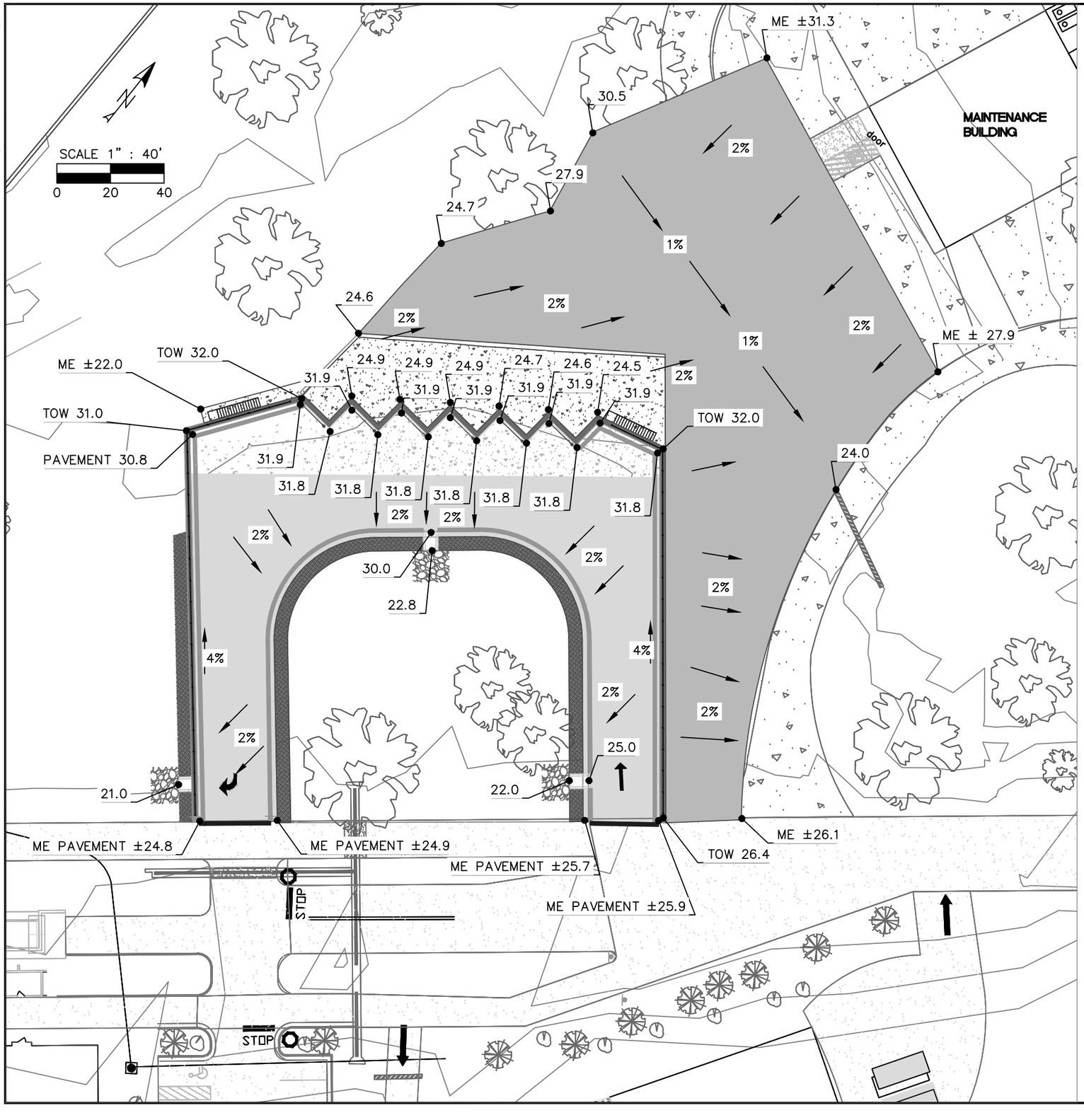
JOB NO:	0001
DATE:	APR. 14
SCALE:	1" = 40'
DRAWN:	GAG
DESIGN:	GG,FP,TD,JF
CHECKED:	TD

PEI
PINE ▲ ENGINEERING, INC.

CALL TWO WORKING DAYS BEFORE YOU DIG
1-800-STAKE-IT

PLOTTED: Apr 30, 2014-11:48pm

FILE: S:\Capstone\CENE\CENE-Cap-08\DWG\Construction Plans\IP.dwg <<C3D_Imperial>>



NOTE:

"MATCH EXISTING" GRADES ARE FOR REFERENCE ONLY, MATCHING EXISTING IS MORE IMPORTANT THAN THE GRADE SHOWN.

CATCH SLOPES SHOULD BE AT 3:1 MAX

SHEET C7 OF 8

COCONINO COUNTY ARIZONA

RESIDENTIAL DROP-OFF CENTER

GRADING

JOB NO: 0001
DATE: APR 14
SCALE: 1" = 40'
DRAWN: GAG
DESIGN: GG,FP,TD,JF
CHECKED: TD

PEI
PINE ▲ ENGINEERING, INC.

CALL TWO WORKING DAYS BEFORE YOU DIG
1-800-STAKE-IT

PLOTTED: Apr 30, 2014—11:49pm

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