

SECTION 02 4100

DEMOLITION



PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes: Complete demolition work as shown on the Drawings and as specified herein.

1.2 QUALITY ASSURANCE

- A. Regulatory Requirements: Procure and pay for necessary permits or certificates required to complete the Work specified. Make required notifications and comply with applicable federal, state and local ordinances.

1.3 PROJECT/SITE CONDITIONS

- A. Existing Conditions: Visit the site and examine the existing site and structures. Note conditions as to character and extent of Work involved.

PART 2 PRODUCTS

NOT USED

PART 3 EXECUTION

3.1 PREPARATION

- A. Protection: Execute demolition Work in an orderly and careful manner with due consideration for existing structures, including parts of the surrounding areas which are to remain. Barricade and cover as necessary to protect pedestrians, workmen and adjacent properties. Periodically sprinkle to allay dust. Protect existing active service lines, indicated or not.
- B. Disconnect electric, telephone, gas, water, or other lines servicing the structure per rules and regulations of authorities having jurisdiction, as specified, or as directed by the Architect.

3.2 DEMOLITION

- A. Keep through lanes and drives clean and clear.
- B. Conduct operations so as to not interfere with adjacent roads, streets, drives, walks, service lines and the like.
- C. Avoid encroachment on adjacent properties. Repair and make good damage to adjoining properties or improvements caused by operations, including damage or loss to adjoining tenants or property owners, whether to buildings, trade fixtures or existing services at no expense to Owner.

- D. Backfill and compact soils used to fill in trenches and holes resulting from demolition Work.
- E. Disposition of Removed Material: Material removed under this Contract, which is not to be salvaged or reused, shall become the property of the Contractor and be promptly removed from the site. Do not store or permit debris to accumulate on the site.

3.3 SALVAGE MATERIALS

- A. Certain materials shall be carefully removed, protected and turned over to the Owner. These, if any, are shown on the Drawings.
- B. Items considered for salvage and not indicated to be reused shall be placed in a holding area designated by the Owner, for a minimum of 30 days, during which time the Owner may select items to be retained. Items not salvaged by the Owner, will become the property of the Contractor and shall be removed from the site and disposed of legally. No sale of salvage materials will be allowed from the site. Extreme care shall be exercised to prevent chipping, breakage, bending and mishandling of salvaged materials.

3.4 CLEANING

- A. During the course of the Work and on completion of the Work, remove excess materials, equipment and debris and legally dispose of away from premises. Leave Work in clean condition.
- B. On completion of demolition Work, leave the property and adjacent areas clean and satisfactory to local authorities and the Architect.

END OF SECTION

SECTION 31 0100

EARTHWORK



PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes: Perform Earthwork as shown on the Drawing and as specified herein.

1.2 QUALITY ASSURANCE

- A. Regulatory Requirements: Procure necessary permits or certificates required by Town of Pinetop-Lakeside, State of Arizona and Navajo County. Comply with applicable federal, state and local ordinances, including MAG Standard Specifications and Details. Owner to pay for permits.
- B. Layout of all Work under this Section shall be made by a licensed Engineer/Surveyor acceptable to the Architect
- C. General Contractor shall give the Work his personal supervision. In his absence, he shall leave a responsible representative in charge who shall have the authority to receive and execute orders from the Architect and/or his representative.
- D. Soils reports for this site prepared by Ricker, Atkinson, McBee, Morman and Associates and is titled "Geotechnical Engineering Report, Middle/Junior High School, Blue Ridge Unified School District, Porter Mountain Road and Alisa Lane Alignment, Lakeside, Az, RAMM Project No. G13317.

1.3 PROJECT/SITE CONDITIONS

- A. Environmental Requirements: No fill materials shall be placed, spread or rolled during unfavorable weather conditions. When the Work is interrupted by rain, fill operations shall not be resumed until it can be shown to the Civil Engineers/Architect's satisfaction that the moisture content and density of the previously placed fill are as specified.
- B. Visit the site. Examine and note conditions as to the character and extent of Work involved.

PART 2 PRODUCTS

2.1 FILL

- A. Cleaned onsite soils may only be used for fills in pavement and landscape areas of the site. Fill material shall be low expansive import for a minimum of 12 inches below all exterior concrete slabs.
- B. Fill materials shall be approved by the Geotechnical Engineer and Civil Engineer and shall have low swell potential and be free of organic or deleterious material.

C. Imported fill shall conform with the following requirements:

Maximum Particle Size	4 inches
Percent passing 3" sieve	100 percent
Percent passing No. 200 sieve	60 percent
For Fine Fraction (passing the 40 sieve)	
Liquid Limit	30 percent maximum
Plasticity Index	10 percent maximum
Maximum percent *expansion	1.5 percent
within building pad	
and exterior concrete slabs	

*Performed on a sample remolded to 95 percent of the maximum ASTM: D-698 density and 2 percent below optimum moisture under a 100 psf surcharge pressure.

PART 3 EXECUTION

3.1 PREPARATION

- A. Layout:
1. Maintain all bench marks, control monuments and stakes, whether newly established by surveyor or previously existing. Protect from damage and dislocation. If necessary to disturb existing bench marks, have Surveyor reestablish in a safe place.
 2. If any discrepancies are found by Surveyor between the Drawings and actual conditions at the site, Architect reserves the right to make such minor adjustments in Work specified as necessary to accomplish the intent of the contract Documents, without increased cost to Owner.

3.2 EXCAVATABILITY

- A. The excavatability of site materials is difficult to evaluate based only on the exploration equipment used during the geotechnical design report. Therefore, the Geotechnical Engineer recommends that the Contractor evaluate the excavatability of site materials by performing test excavations with the size and type of equipment that Contractor plans on using at the site. For design purposes the following paragraph presents RAMM's best analysis as to the excavatability of site soils.
- B. The near surface and underlying soils to depths of at least 3 to 6 feet can probably be removed with conventional excavating equipment. Deeper excavations may be slower and more difficult to accomplish due to basalt bedrock. Pneumatic equipment and/or blasting may be required. OSHA requires all excavations over five feet in depth, in which personnel are to enter, be either braced or sloped in accordance with OSHA regulations.

3.3 WORKABILITY

- A. Wetting site soils such that moisture contents are at or above optimum could result in some soil pumping under dynamic loadings such as heavy construction equipment driving over the area. In the building area, some pumping is not detrimental to foundation or floor slabs provided the specified percent compaction is achieved. However, in flexible pavement areas where pumping has occurred, and in building areas where severe pumping has damaged subgrade conditions, the area shall be allowed to dry until soils are workable without pumping or the wetted areas removed and replaced with drier site soils.

3.4 GRADING

- A. General Contractor shall provide personal supervision for the Work. Leaving a responsible representative in charge, when absent, who shall have the authority to receive and execute instructions from the Architect or his representative.
- B. Prepare the ground surface in fill areas and in areas cut to grade by scarifying, moisture conditioning and compacting the exposed surface soils to a minimum 8-inch depth. Moisture conditioning and compaction shall meet requirements under Section 3.7, Compaction.
- C. Moisture condition and place engineering fill material required to elevate areas to specified subgrade elevations.
- D. Placing, Spreading and Compacting Fill Materials: Fill materials shall be placed and compacted in horizontal lifts of thickness compatible with the compaction equipment used. Each layer shall be spread evenly, moisture conditioned and compacted per Section 3.7, Compaction. The Contractor shall widen any depressions as necessary to accommodate compaction equipment and provide a level base for placing fill. Compaction of each layer shall be continuous over its entire area and the compaction equipment shall make sufficient trips to insure that the required density has been obtained. No lift shall be placed until the previous lift has been approved. Fill operation shall be continued until the fill has been brought to the finished slopes and elevations shown on the Drawings. Imported fill shall conform to the requirements previously defined.
- E. Compacted subgrade shall be maintained in a moist state and shall not be allowed to significantly dry prior to placing more fill or base course.
- F. Grading tolerance shall be +0.00 feet and -0.10 feet.

3.5 EXCAVATION

- A. Excavation consists of removal and disposal of materials encountered to obtain required subgrade elevations.
- B. Excavation for foundations and footings shall have clean vertical walls, all corners squared up. Keep entire excavation free from any loose material. Excavation shall conform to dimensions and elevations indicated with allowance for erection of forms, shoring and inspection of footings.
- C. Material to be excavated shall be non-classified and shall include all earth or other materials encountered in excavating and grading. Where material encountered within the limits of work is considered unsuitable by the Architect, such material shall be excavated below the grade shown on the Drawings as directed, and replaced with suitable material.
- D. Earth forms for footings may be permitted provided the earth is suitable and self-supporting as approved by the Architect or Geotechnical Engineer. Earthbank forms for foundation walls will not be permitted.
- E. Unauthorized excavation consists of materials beyond indicated subgrade elevations or dimensions without specific direction of the Architect. Under footing, foundation bases, or retaining walls, fill unauthorized excavations by extending the indicated bottom elevations of footing or base at the excavation bottom, without altering required top elevation. Clean concrete fill may be used to bring elevations to proper position, only when acceptable to the Architect. Elsewhere, backfill and compact unauthorized excavation as specified for

authorized excavations, unless otherwise directed by the Architect. Costs for testing, if required, shall be borne by the Contractor.

- F. Stockpile satisfactory materials where directed, until required for backfill or fill. Locate and retain materials away from edge of excavations, even though such excavations are sheeted and braced to prevent such material falling or sliding into the excavations.
- G. Maintain sides and slopes of excavations in a safe condition until completion of backfilling, by scaling, benching, shelving or bracing. Take precautions to prevent slide or cave-ins.

3.6 BACKFILLING

- A. Place backfill about the buildings and structures as far as practical, as the Work of construction progresses. Backfilling against concrete Work shall be done only when approved and directed. Backfill shall be deposited in layers of not more than six inches (6") in depth, and for the full width of the cross section. The material shall be carefully watered during placing by means of a fine spray or other approved method, so that each layer shall be thoroughly and uniformly wetted as directed by the Architect. The moisture content of all the material shall be carefully controlled at all times, and shall be checked at proper intervals to insure correct moisture content for compaction specified.

Each layer of fill material shall be compacted by hand and machine tampers to the density required in Section 3.7 COMPACTION when forming subgrade for concrete areas or supporting concrete floor slabs or supporting building footings.

- B. Backfilling of trenches shall progress as rapidly as the construction and testing of the Work will permit. In back-filling pipe trenches, approved fill shall first be compacted on both sides of the pipe in eight inch (8") layers to a depth of one foot over the top of the pipe. The remainder of the trenches shall be backfilled in compacted one-foot layers, except that fill in trenches in paved areas shall be compacted in six inch (6") layers to required grade.

3.7 COMPACTION

Compaction of cleaned exposed soil, imported soils, each lift of backfill, subbase fill, imported fill and base course materials shall be accomplished to the following density criteria:

<u>Material</u>	<u>Percent Compaction</u> <u>(ASTM D698)</u> (min.)
Cleaned exposed soil, imported soils, backfill and subbase fill:	
Below concrete	90
Below pavement sections	95
Base Course	
Below concrete slabs:	95
Below asphalt paving:	100
Miscellaneous Backfill not under buildings, concrete or paved areas	90

Compaction of exposed scarified site soils under the building areas, sidewalks, exterior concrete slabs, concrete fire lane, basketball court, and curbing shall be performed with soils uniformly mixed at a moisture content between optimum to optimum plus 3 percent. Compaction of imported soils under the building areas, sidewalks, exterior concrete slabs, concrete fire lane, basketball courts and curbing shall be performed with soils uniformly mixed at a moisture content between optimum plus or minus three percent ($\pm 3\%$). Compaction of onsite or imported soils under asphaltic concrete pavement shall be accomplished at 2 percent below optimum or lower. Compaction of base course below buildings and pavement shall be accomplished at a moisture content between optimum plus or minus three percent ($\pm 3\%$).

3.8 FINISH GRADING

- A. Perform finish grading required as indicated or reasonably inferred to permit installation of work of others as shown on Drawings. After final clean-up of exterior and removal of trash, the site shall be graded to slopes and elevations as indicated on the Drawings and as directed by the Architect. Additional material required for finish grading shall be of topsoil quality, provided, placed and graded by the Contractor. Lawn areas around walks, playcourt and parking lot shall provide good slope drainage away from buildings as indicated. Rake indicated site and lawn areas smooth and level to a tolerance of plus or minus 0.1 foot from elevations indicated.
- B. Existing clean site soils free of debris and rocks over 1/4 inch in diameter may be used for fills in landscape areas.

3.9 FIELD QUALITY CONTROL

- A. Test: Field density tests shall be made by an approved independent soils testing laboratory. Frequency of testing shall be per MAG Specifications. The cost of all testing shall be included in the contractor's bid amount. When these tests indicate that the density of any area(s) is below the required density, that particular area(s) shall be reworked until the required density has been obtained.
- B. Restore any damage to adjacent properties, street and the like, caused by operations of this Section to original condition without additional cost to Owner.

3.10 CLEANING

- A. Conduct Work in an orderly and workmanlike manner and so as not to create a nuisance. Dirt shall not be permitted to accumulate on streets or sidewalks nor to be washed into sewers.
- B. During the course of the Work and on completion of the Work, remove excess materials, equipment and debris and dispose of away from premises. Leave Work in clean condition.

END OF SECTION

SECTION 31 1100

CLEARING AND GRUBBING



PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes: Complete site preparation as shown on Drawings and as specified herein.

PART 2 PRODUCTS

NOT USED

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verification of conditions: Examine subsurfaces to receive Work and report in writing, with a copy to Architect, detrimental conditions. Failure to observe this requirement constitutes a waiver to subsequent claims to the contrary and holds Contractor responsible for correction(s) Architect may require. Commencement of Work will be construed as acceptance of subsurfaces.
 - 1. Verify before proceeding with this Work, that required inspections of existing conditions have been completed.
 - 2. Protect any adjacent property and improvements from damage and replace any portions damaged through this operation.
- B. Coordination with other Work: Coordinate with other work which affects, connects with, or will be concealed by this Work.

3.2 CLEARING AND GRUBBING:

- A. Execute Work in an orderly and careful manner with due consideration for any and all surrounding areas, plantings or structures which are to remain. Periodically water as required to allay dust and dirt.
- B. Clear and grub the premises of subterranean or surface material, growth and the like as required to remove any obstruction to the Work indicated on the Drawing.
- C. Grub the entire ground surface of any grass, weeds and plants down to at least six inches (6") below present grades and until the surface is free from ruts, hummocks or other uneven features and roots.
- D. When encountered, remove any stones larger than 6 inches in diameter to a depth not less than 18 inches below the original grade level.
- E. Maintain trees indicated on Drawings and/or tagged on site. Protect with barriers

during construction in a manner acceptable to Architect; remove barriers on completion of Contract.

- F. Where trees are to be left in place in areas to be graded, natural surface of ground shall be left undisturbed for a distance of 10 feet from tree on all sides except as approved by Architect.
- G. Stumps shall be removed to a depth of three feet (3') minimum. Fill and compact any holes left by removal of trees or larger stones per requirements of Section 31 2200: Grading.
- H. Remove unused or abandoned piping, conduit or similar existing materials found within two feet (2') of the existing grade or conflicting with new work.
- I. When encountered, remove existing abandoned footings, foundations or other construction under the building pad unless written permission is provided by Architect.

3.3 CLEANING

- A. During the course of the Work and on completion of the Work, remove excess materials, equipment and debris and dispose of away from premises. Leave Work in clean condition.

END OF SECTION

SECTION 32 1216

ASPHALTIC CONCRETE PAVING



PART 1 GENERAL

1.1 SUMMARY

- A. Section includes: Asphaltic concrete paving work as shown on the Drawings and as specified herein.

1.2 QUALITY ASSURANCE:

- A. Provide written certification of soil sterilization chemical applied, including locations and application rates.
- B. Contractor shall obtain all necessary construction permits and shall coordinate all necessary inspections with Navajo County.
- C. Construction staking shall be performed by a Land Surveyor licensed by the State of Arizona.

1.3 SUBMITTALS

- A. Asphalt mix design shall be submitted to the Design Civil Engineer through the Architect for approval a minimum of seven (7) working days prior to paving.

1.4 PROJECT/SITE CONDITIONS

- A. Environmental Requirements:
 - 1. Do not place pavement mixture when the subgrade, sub-base or base courses are below 40 degrees F. or show any evidence of excess moisture nor when moisture on the surface to be paved would prevent proper bond.
 - 2. Do not place pavement mixture when air temperature is less than 40 degrees F. nor when temperature of the surface on which mixture is to be placed is below 40 degrees F.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Asphaltic Concrete Type: Onsite, MAG Type ¾ inch with course/fine aggregate requirements for light volume traffic.
- B. Traffic Paint: Conform to Federal Specifications TTP-1952, such as Sherwin-Williams Company "Setfast" Waterborne Traffic Marking Paint TM 266, white.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verification of Conditions: Failure to observe this requirement constitutes a waiver to subsequent claims to the contrary and holds Contractor responsible for correction(s)

Architect/Civil Engineer may require. Commencement of Work will be construed as acceptance of subsurfaces.

1. Make careful inspection of excavated surface on which paving is to be placed and a check on bottom and top grades of paving throughout the paved area prior to starting Work under this Section. Report immediately to the Civil Engineer any deviation and/or conflicts.

- B. Coordination with other work: Coordinate with other work which affects, connects with, or will be concealed by this Work.

3.2 SUBGRADE PREPARATION

- A. Subgrade Preparation: The Work under this item shall consist of excavating and grading the areas at the locations specified and to the grades indicated on the Drawings and to the compaction densities specified in Earthwork, Section 31 0100. Subgrade shall be scarified to a minimum 8" depth, moisture conditioned and recompacted within one week of placing A.B.C. and Asphaltic Concrete Surface. Tolerances are +0.00 feet and -0.10 feet.
- B. Prior to paving, the Contractor shall sawcut, remove and replace any cracked or damaged concrete curb or sidewalk. Full sections shall be removed between joints. No patching will be allowed.
- C. After the Contractor has cut the subgrade, it shall be blue-topped at a 50' grid and inspected by the Engineer prior to placing the A.B.C. After the A.B.C. is installed, it shall be blue-topped at a 25' grid and inspected by the Engineer.

3.3 BASE COURSE

- A. Place the compacted thickness of crushed aggregate base course as indicated on the drawings at the locations and to the grades indicated on the Drawings, conforming to the applicable requirements of MAG Specifications, Section 310 and 702, prior to the placement of the Asphaltic Concrete. Tolerance for A.B.C. thickness is ± 0.02 feet.
- B. Compact aggregate base course to a minimum 100% of maximum Standard Proctor density per ASTM D698.

3.4 ASPHALTIC CONCRETE PAVEMENT

- A. Conform to the applicable requirements of MAG Specifications, Section 321, Asphaltic Concrete Pavement. Place the compacted thickness of asphaltic concrete (MAG Type $\frac{3}{4}$ inch) with course/fine aggregate requirement for light volume traffic for onsite, as indicated on drawings for offsite) at the locations and to the grades as indicated on the Drawings.
- B. Tolerances: The finished asphalt grade shall be within ± 0.02 foot of the design elevation and shall not deviate by more than ± 0.02 foot measured with a ten foot long straight edge placed in any direction.

3.5 FABRIC AND GEOGRID

- A. A non-woven filtration (drainage) and separation fabric conforming to MAG Specifications Section 796, Table, 796-2, Class A, shall be placed directly on the subgrade and then a reinforcement geogrid conforming to MAG Specifications Section 796, Table 796-4, Type 2 shall be installed.

3.6 MOISTURE CONTROL

- A. Provide and apply water required in the compacting of the subgrade, base and surfacing materials, and the control of the dust nuisance to adjacent property.
- B. Conform to the applicable requirements of MAG Specifications, Section 255, Watering.

3.7 DAMAGE

- A. Any damage to finished pavement surface that may result from subsequent construction shall be restored to a smooth, true and uniform surface at no extra cost to Owner and per method approved by the Design Civil Engineer.

3.7 DEFICIENCY CORRECTIONS

- A. Pavement found to be deficient or not constructed to the elevations shown on the Drawings shall be saw cut, removed and replaced. The entire lot shall receive an overlay after replacement. Corrections and replacements shall be done at the Contractor's expense.

3.8 PAVEMENT MARKINGS

- A. Traffic Markings: After completion of asphaltic concrete paving, paint parking stalls and other markings as shown on the Drawings with traffic paint. Do not stripe any asphalt until it has cured at least 10 days.

3.9 AS-BUILT DRAWINGS

- A. The Surveyor shall provide certified, signed and sealed as-builts for all pavement, curb and gutter and sidewalk elevations. The Contractor shall schedule the Work to allow the Surveyor to obtain the as-builts. This Work will not be accepted until as-builts are approved by the Design Civil Engineer and Navajo County.

3.10 CLEANING

- A. During the course of the Work and on completion of the Work, remove excess materials, equipment and debris and dispose of legally away from premises. Leave Work in clean condition.

END OF SECTION

SECTION 32 1600

**CONCRETE CURBS, GUTTERS,
SIDEWALKS, AND DRIVEWAYS**



PART 1 GENERAL

1.1 SUMMARY

- A. Section includes: Installation of concrete curbs, gutters, sidewalks, and driveways as shown on the Drawings and as specified herein.

1.2 REFERENCE STANDARDS

- A. MAG Specifications Section 340: Concrete Curb, Gutter, Sidewalk, Driveways and Alley Entrances.
- B. Navajo County and MAG Standard Details.

1.3 SUBMITTALS

- A. Mix design to Engineer a minimum of seven (7) days prior to start of construction.
- B. Tests: Submit three certified copies of test results, samples and suppliers certification that materials conform to specified criteria.

1.4 QUALITY ASSURANCE

- A. Contractor shall obtain, at his expense, all necessary construction permits and shall coordinate all necessary inspections with Town of Pinetop-Lakeside.

PART 2 PRODUCTS

2.1 MATERIALS:

- A. Concrete Curb, Gutter (where not next to driveway) and Sidewalk:

Concrete: 4,000 psi (28 day strength), MAG Section 725

PART 3 EXECUTION

3.1 CONSTRUCTION METHODS FOR CONCRETE CURB, GUTTER, SIDEWALK AND DRIVEWAY

- A. Execute Work in accordance with MAG Specifications Section 340 and MAG Details and Navajo County specifications and details.
- B. Sawcut existing pavements and concrete joined by new construction to a true line with straight vertical edges free from irregularities.
- C. Construct and compact true to grades and line shown on the Drawings.
- D. Curb machines may not be used.

- E. Do not place material displaced in the construction on the base and/or surfacing material already in place on the roadway nor the excavated material in such a manner as to interfere with access to property or traffic flow in the street.
- F. Paint all curbing adjacent to the fire lanes red as instructed by the Fire Marshal. Signs may be used as an alternate to painting as allowed by the Fire Marshal.
- F. Tolerances: Tolerances both horizontal and vertical shall not deviate by more than 0.02 feet from elevations and slopes indicated on drawings.
- G. Damages: Any concrete curbs, gutters, sidewalks or driveways which are cracked or damaged shall be removed and replaced. Full sections shall be removed between joints. No patching will be allowed. Where adjacent to paving, removal and replacement shall occur prior to paving.

3.2 TESTING

- A. Inspection and testing will be performed by an independent testing agency approved by the Engineer. The cost of all testing shall be included in the bid.
- B. Provide free access to work and cooperate with appointed firm.
- C. Submit 3 copies of proposed mix design of each class of concrete including water/cement/strength and all supporting data to testing agency and Engineer for review a minimum seven (7) days prior to commencement of work.
- D. Tests of cement and aggregates may be performed to ensure conformance with requirements stated herein.
- E. Four (4) concrete test cylinders will be taken for every 100 or less cubic yards of each class of concrete placed. Make and cure concrete compressive strength test specimens in accordance with ASTM C31. Construct storage box of sufficient size and design to provide protection required by paragraph 7(a).
- F. One (1) additional test cylinder will be taken during cold weather concreting, and be cured on job site under same conditions as concrete it represents.
- G. One (1) slump test will be taken in accordance with ASTM C-143 of each set of compressive strength test cylinders taken.
- H. Where concrete is placed by pumping, tests shall be taken at the truck before concrete is placed in the pump.
- I. Tests to be performed by testing agency personnel in accordance with ASTM C39.

3.3 CLEANING

- A. During the course of the Work and on completion of the Work, remove excess materials, equipment and debris and dispose of away from premises. Leave Work in clean condition.

END OF SECTION

SECTION 33 3113

CHAIN LINK FENCES AND GATES



PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes: Construction of chain link fence and gates as shown on the Drawings and as specified herein.

1.2 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division-1 Specification sections, apply to this Section.

1.3 SUBMITTALS

- A. Shop drawings showing location of fence, gates, each post and details of post installation, gate swing, hardware, and accessories.

PART 2 PRODUCTS

2.1 CHAIN LINK FENCES AND GATES

The products under this section shall conform to the applicable requirements of MAG Specifications, Section 420, Chain Link Fences, except as modified herewithin. The wire used in manufacturing the fabric shall be 9 gauge in all cases. The chain link fabric shall be woven into approximately 2-inch mesh and the fabric must be galvanized before fabrication. All wire shall have a knuckled finish on the top and bottom edge. Diameter of posts shall be as specified in Section 772 of the MAG Specification.

Footings for the eight foot (8') high chain link fence shall be 36 inches deep and 12 inches in diameter. The eight foot (8') high chain link fence shall have a top and bottom rail.

Chain link gates shall be installed at the locations as indicated on the drawings including all hinges (minimum 180°), tension rods, lockable latches and center pins.

PART 3 EXECUTION

3.1 INSTALLATION

A. GALVANIZED CHAIN LINK FENCING AND GATES

Installation of galvanized chain link fencing and gates shall be per MAG Specifications Sections 420 and 772, Chain Link Fences (except as modified in PART 2 - PRODUCTS).

3.2 CLEANING

- A. During the course of the Work and on completion of the Work, remove excess materials, equipment and debris and dispose of legally away from premises. Leave Work in clean condition.

END OF SECTION