

# ACADEMY HILLS PARK IMPROVEMENTS

DECEMBER, 2013

**Index of Drawings** 

# CITY OF ALBUQUERQUE

## PARKS & RECREATION DEPARTMENT

Strategic Planning and Design

## Date of Record Drawings:

Parks & Recreation Department - Owner

## **Property Information**

Property Address: 9709 Layton Ave NE

Zone: SU-1

Park Acres: 16.6

Existing Turf Acres: 13.76 RevisedTurf Acres: 12.6

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#### RECORD DRAWINGS OCTOBER, 2014

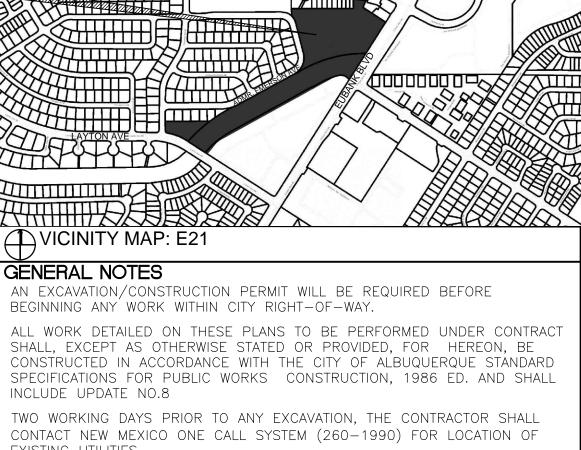
THESE RECORD DOCUMENTS ARE ADVISED THEIR ACCURACY BEFORE APPLYING IT

FOR ANY PURPOSE.

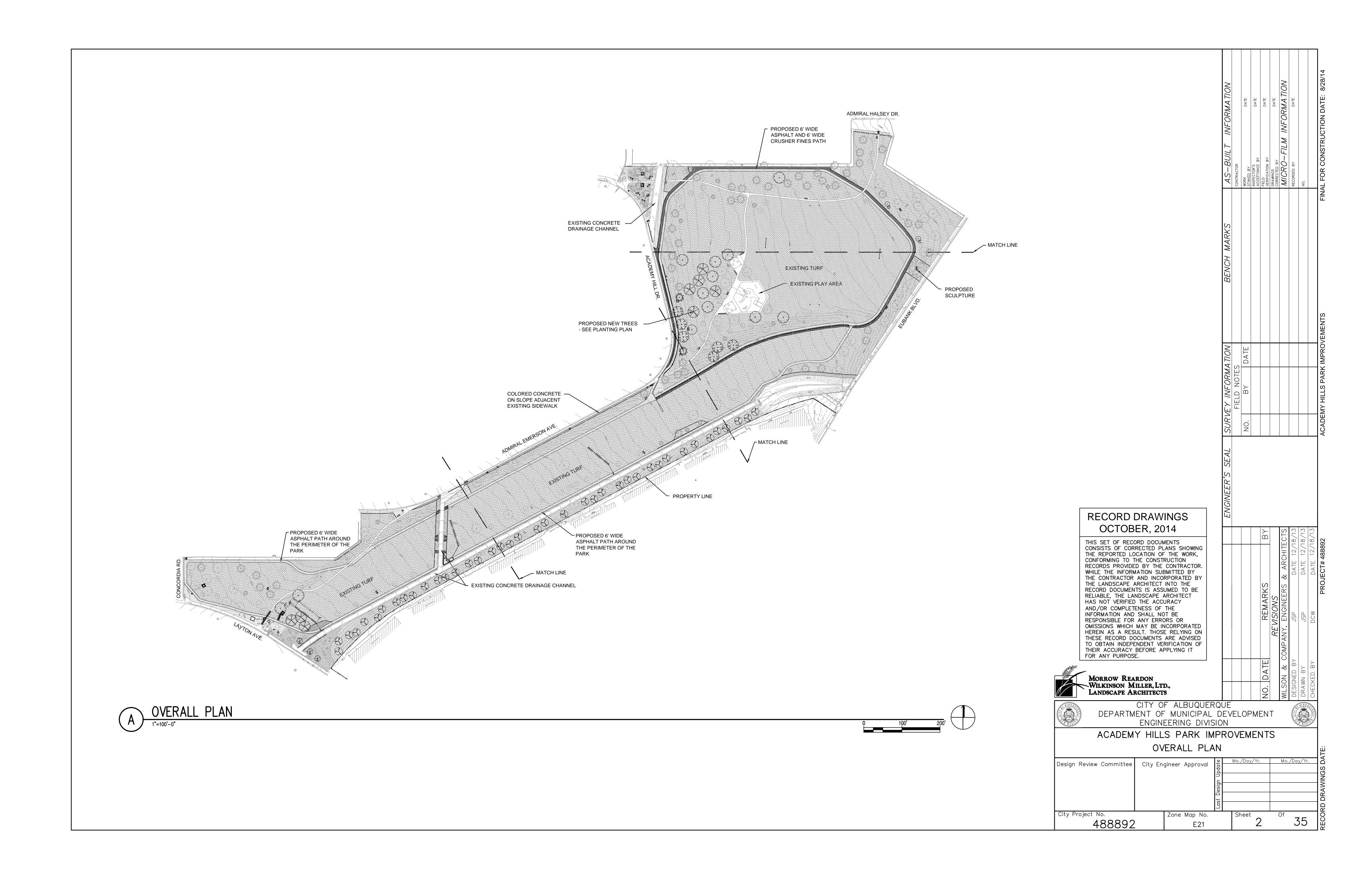
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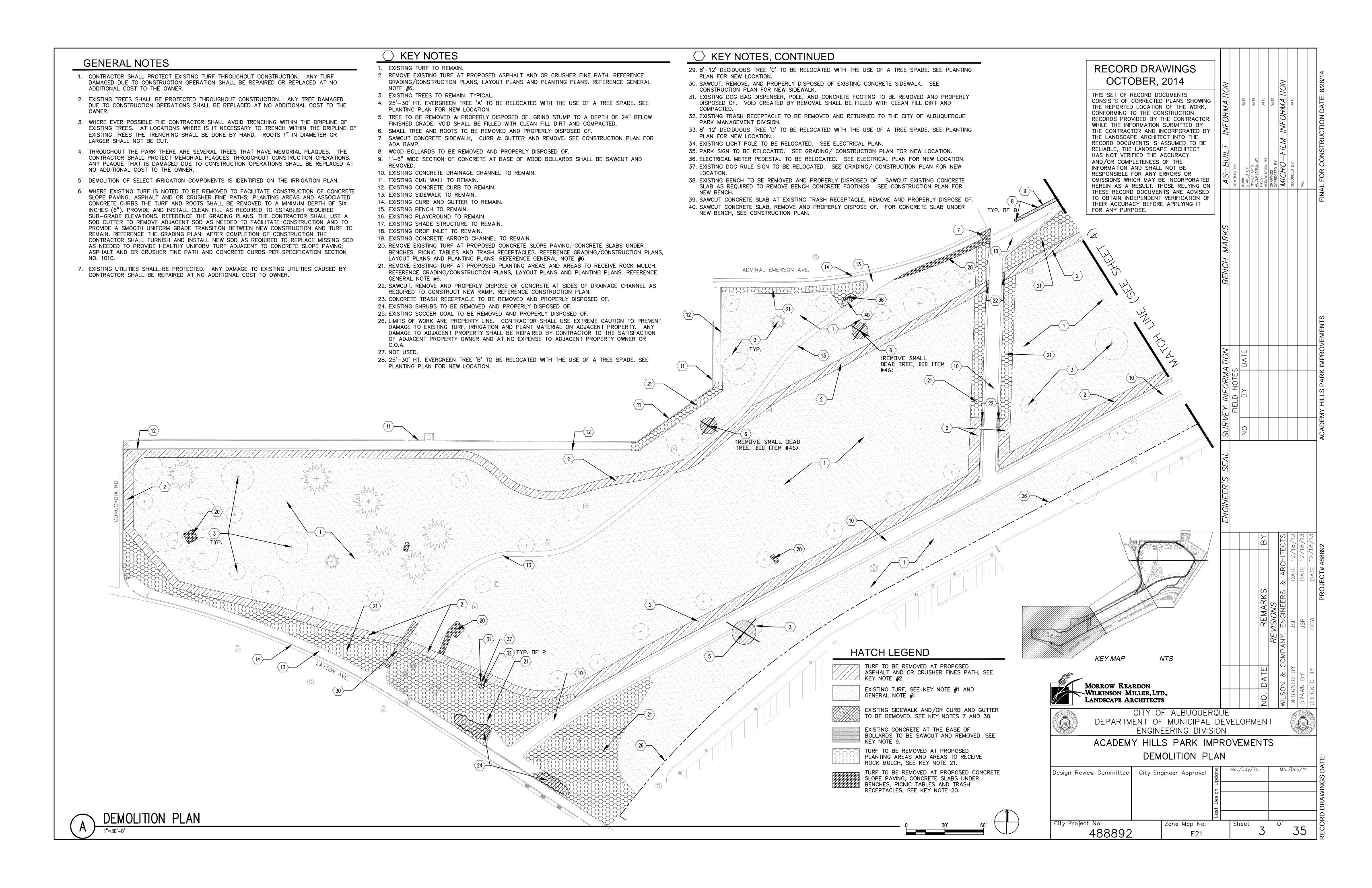
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A
- CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PRE-FORMED THERMO PLASTIC REFLECTORIZED PAVEMENT MARKING BY
- CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED
- CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHAL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY OF ALBUQUERQUE SURVEY SECTION. WHEN A CHANGE IS MADE IN THE FINISH ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED. CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO NEW GRADE, UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL CONSTRUCTION SIGNING FOR EACH WORK ORDER UNTIL WORK ORDER PROJECT HAS BEEN ACCEPTED BY
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, ORDINANCES, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- CONTRACTOR AGREES THAT HE SHALL ASSUME THE SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD HARMLESS THE OWNER AND ENGINEER FROM ANY ANI ALL LIABILITY REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK IN THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
- ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE ACCOMPLISHED IN ACCORDANCE WITH OSHA 29CFR 1926.650 SUBPART P

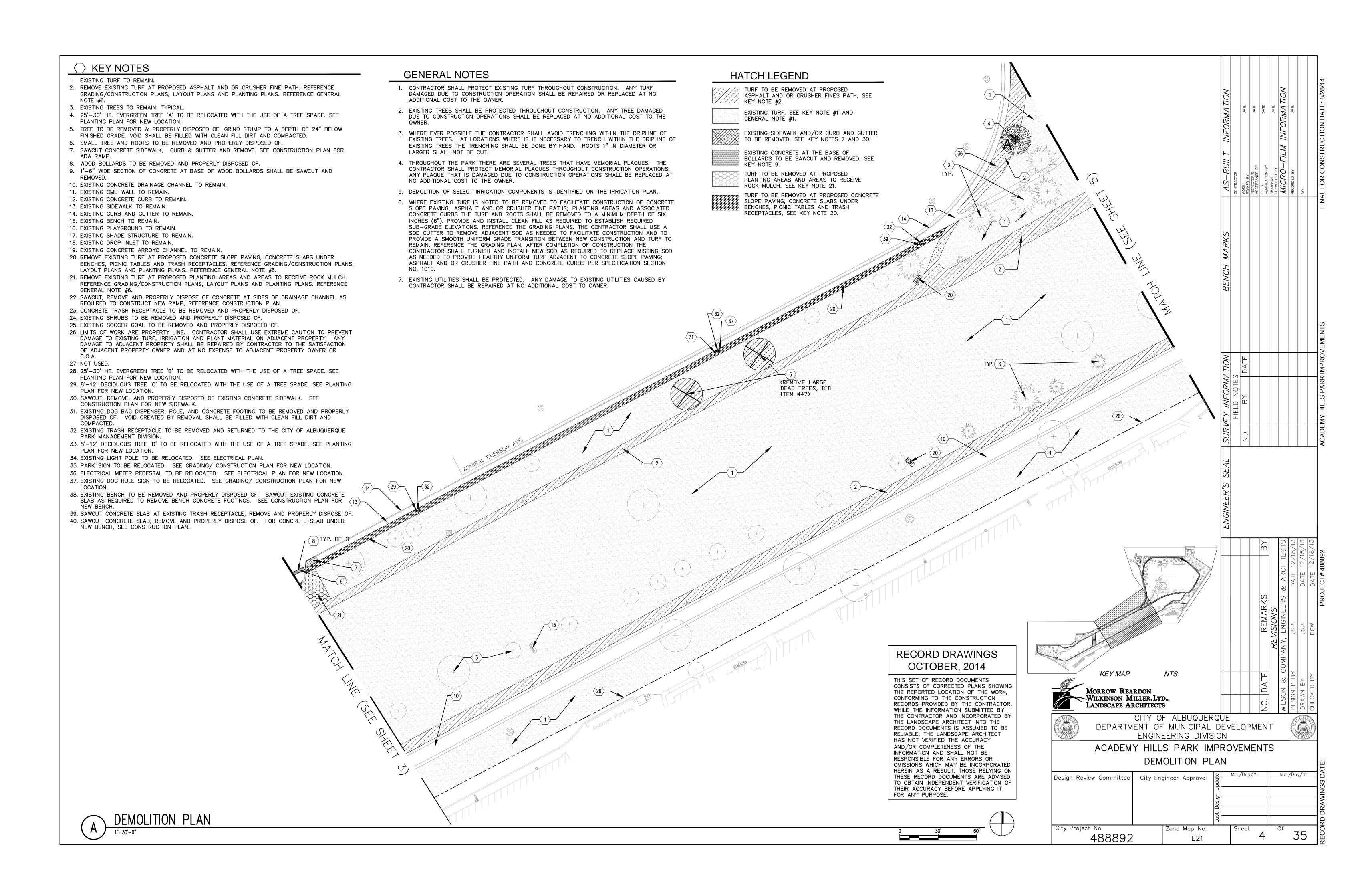
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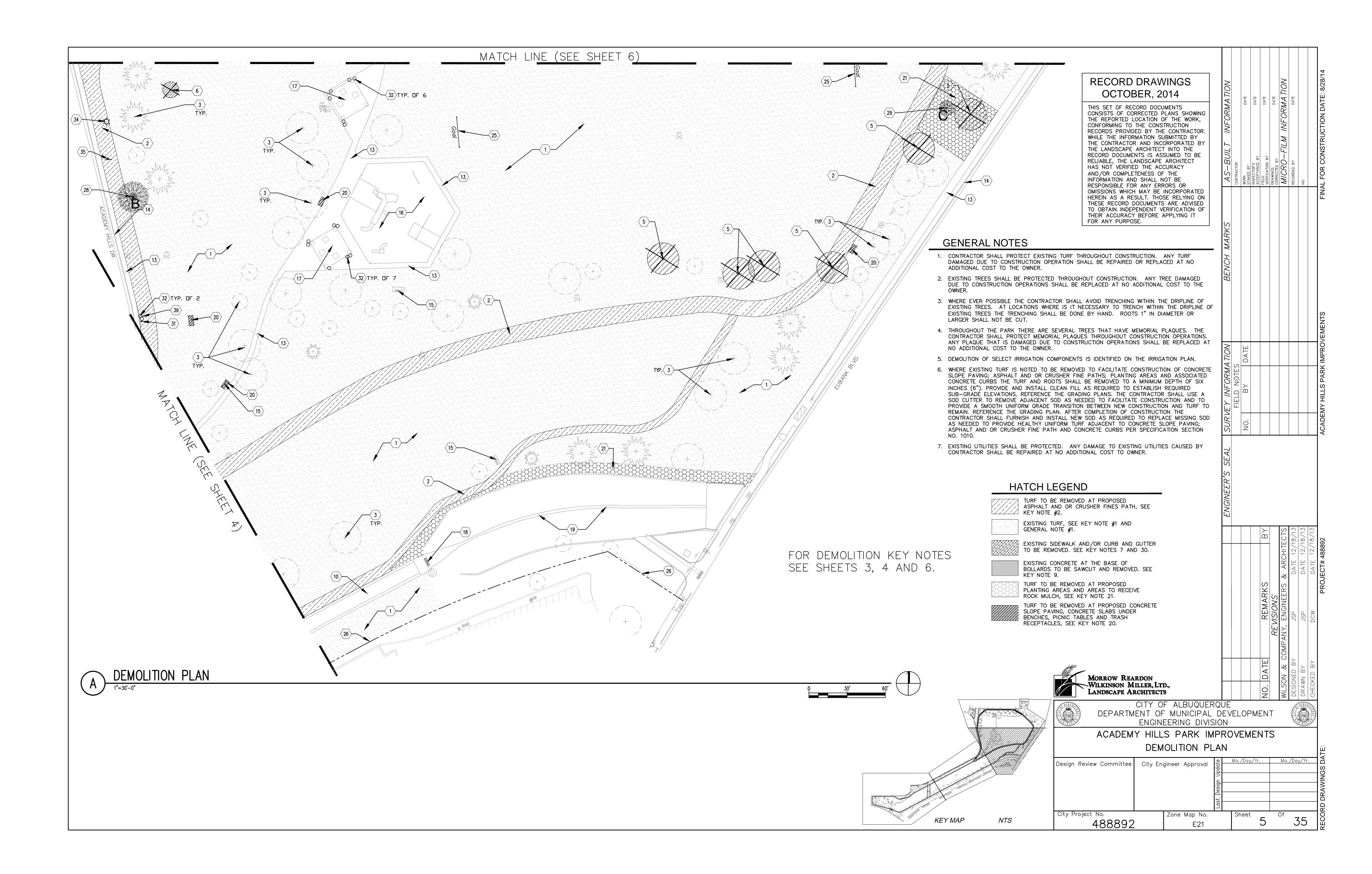


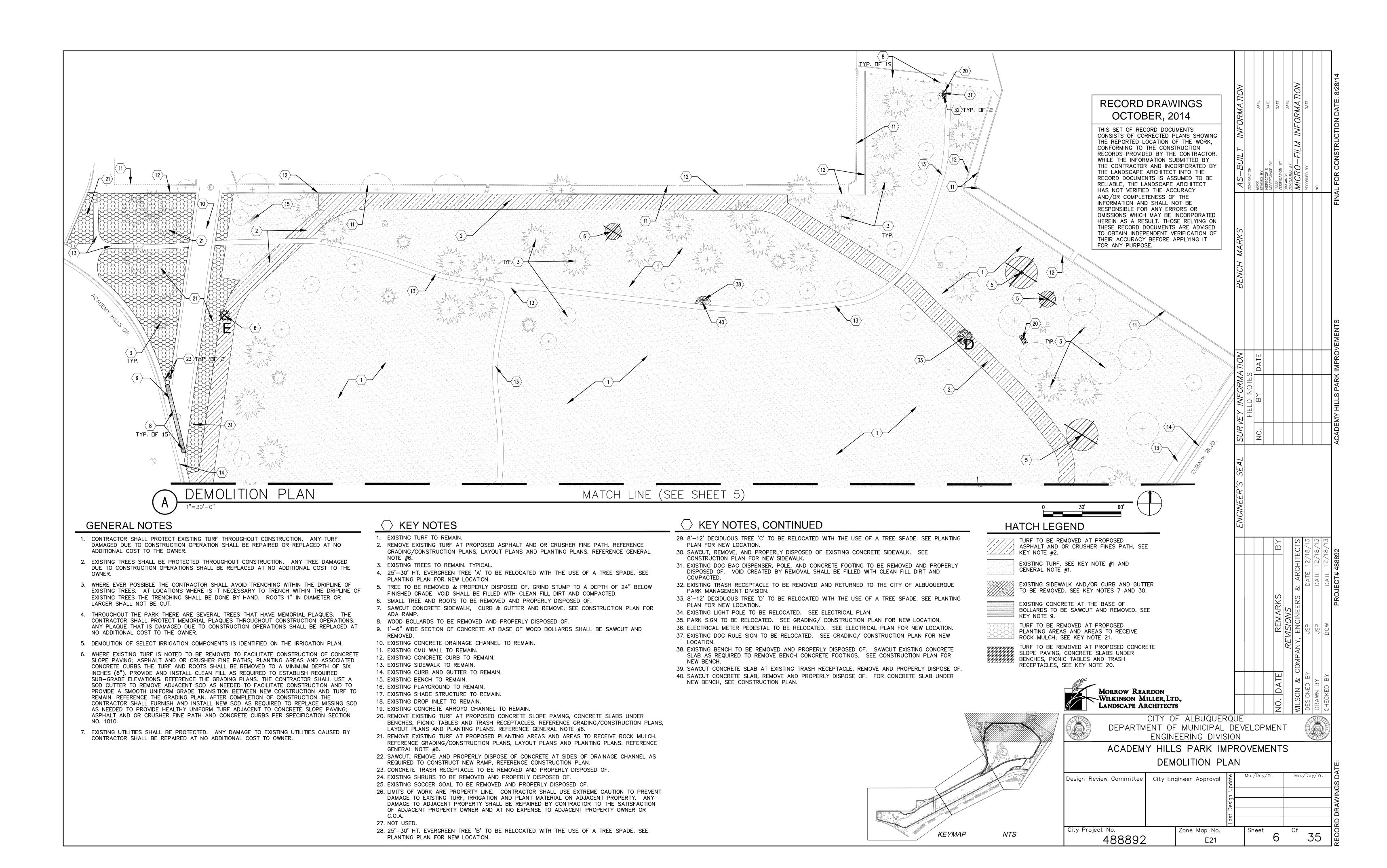
Morrow Reardon

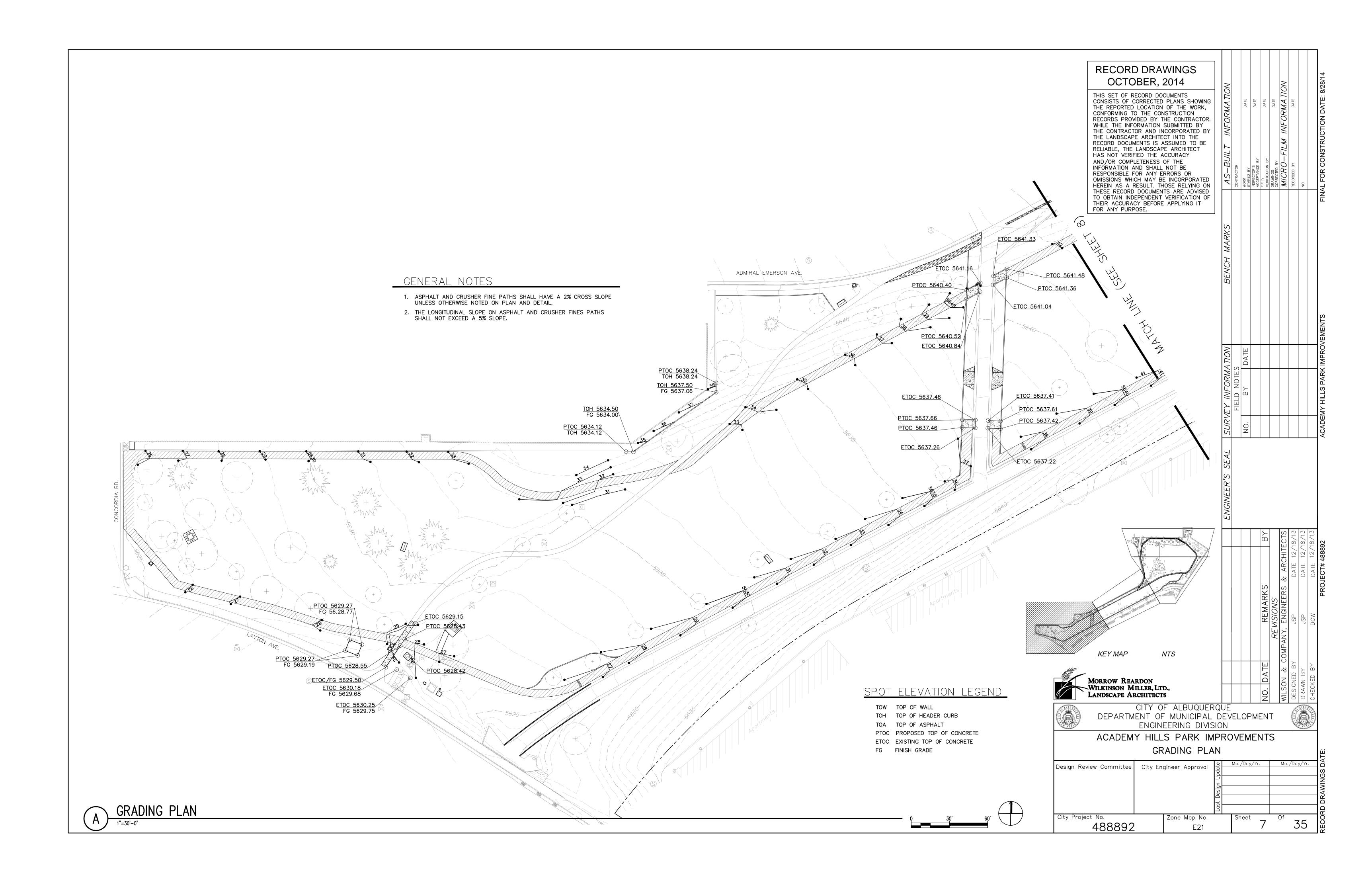


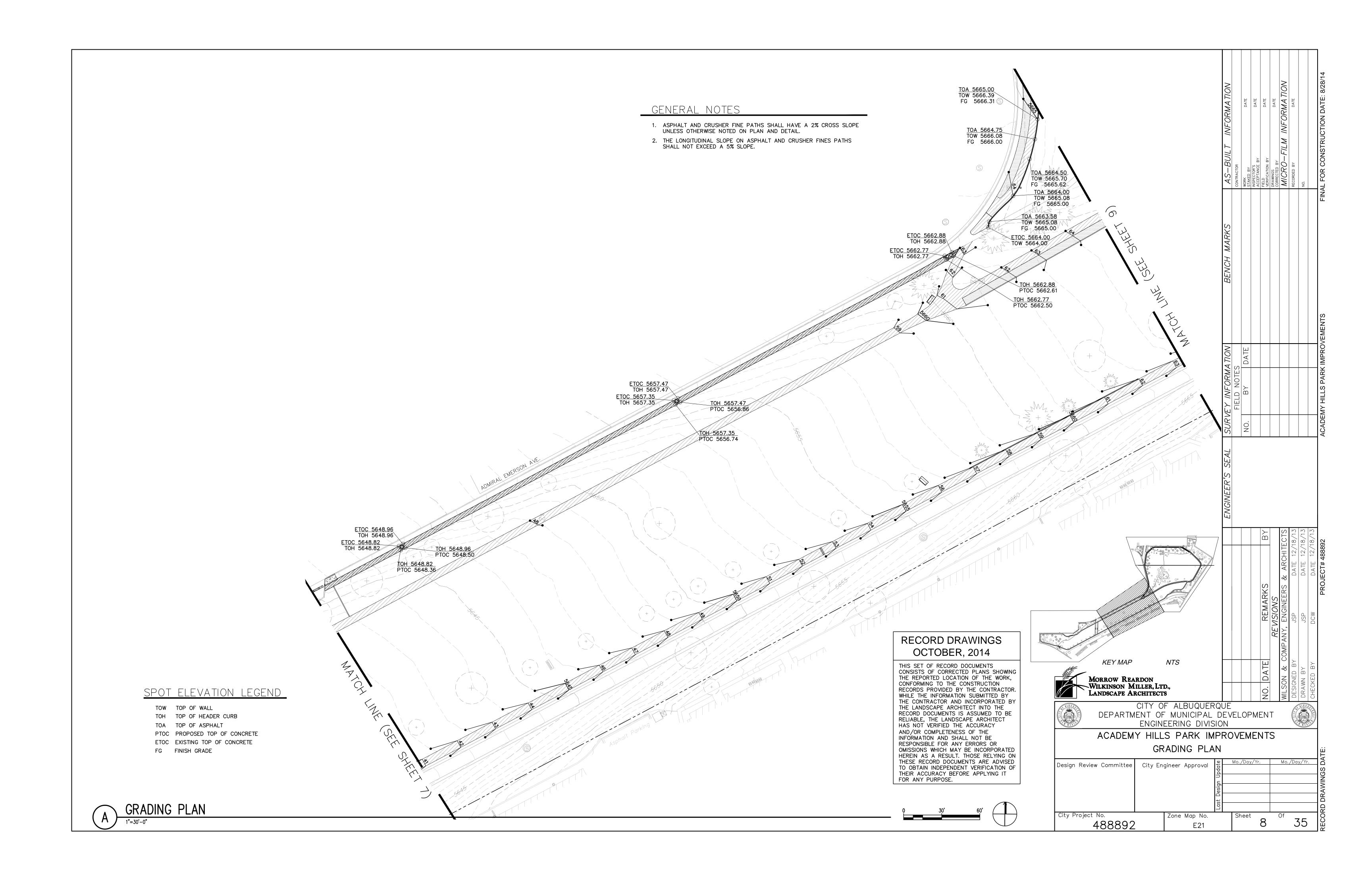


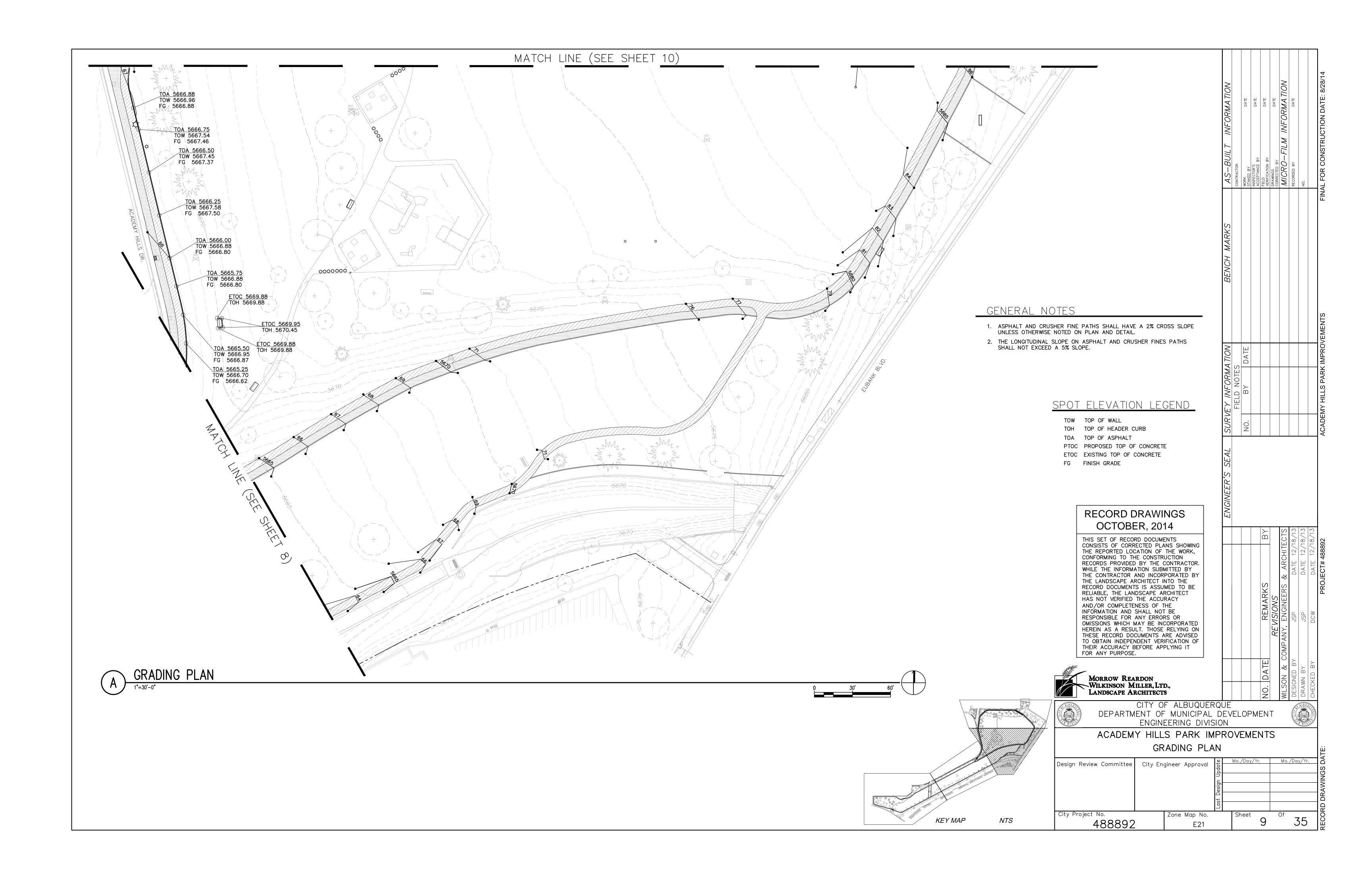


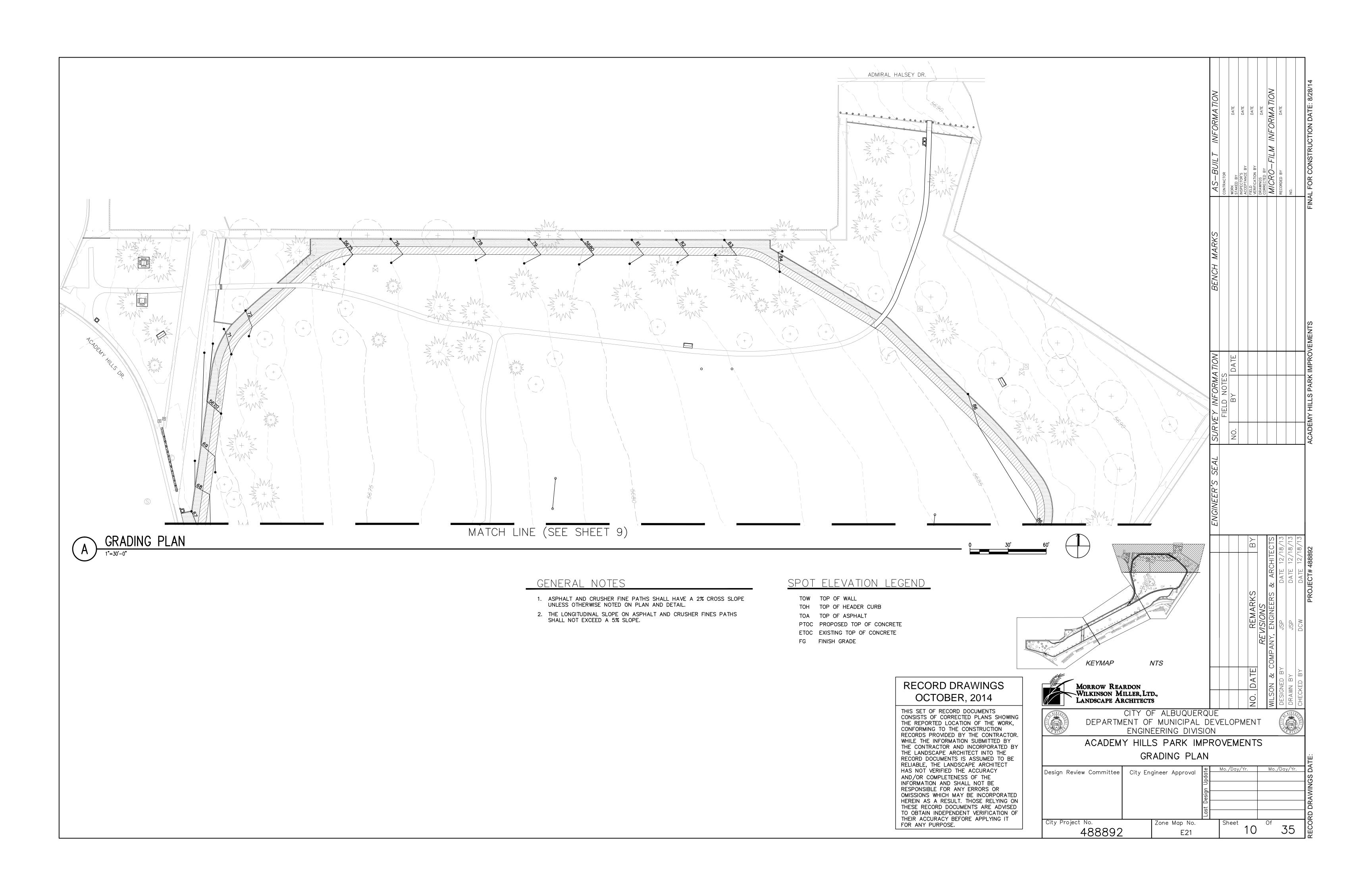


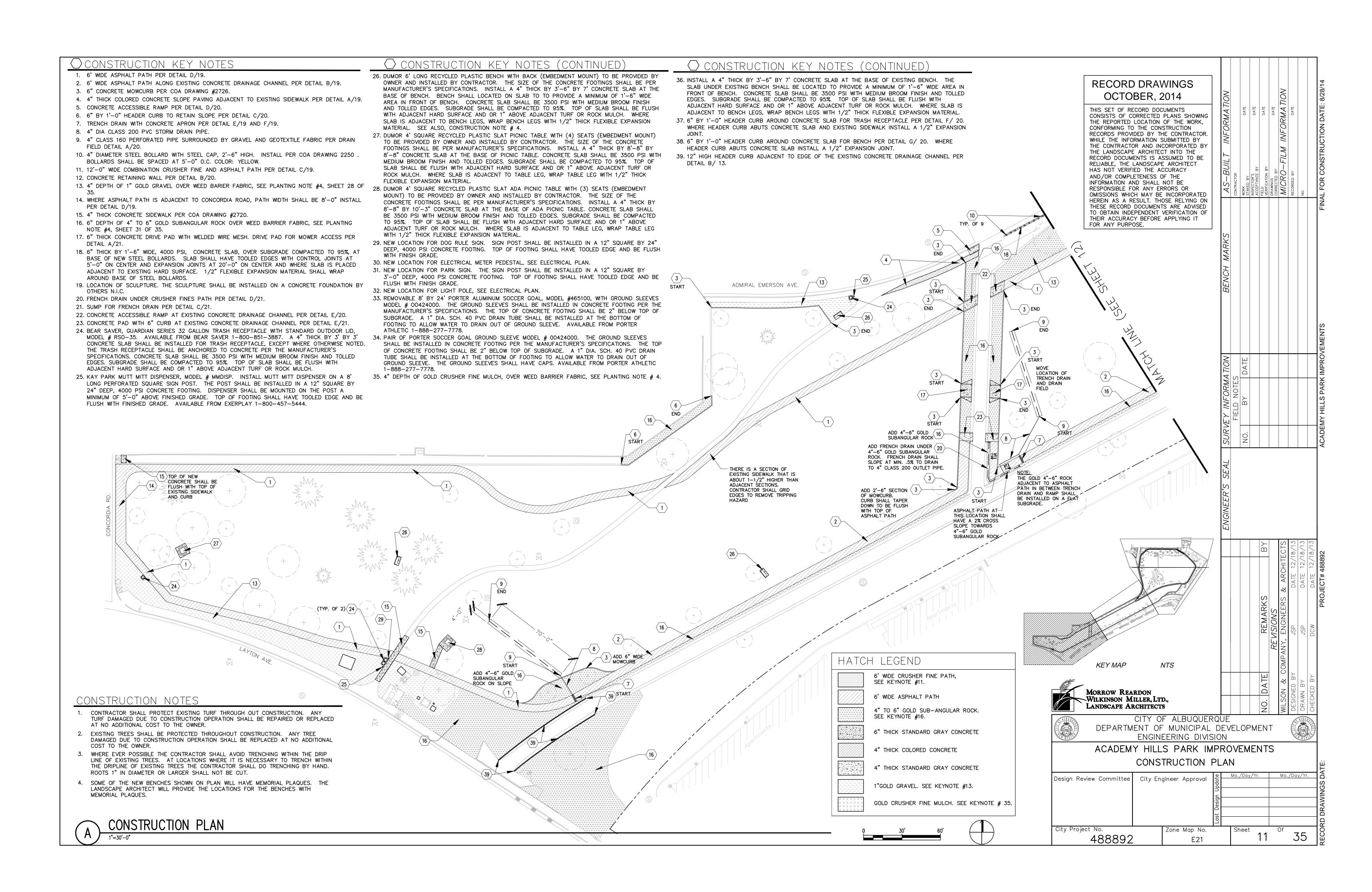


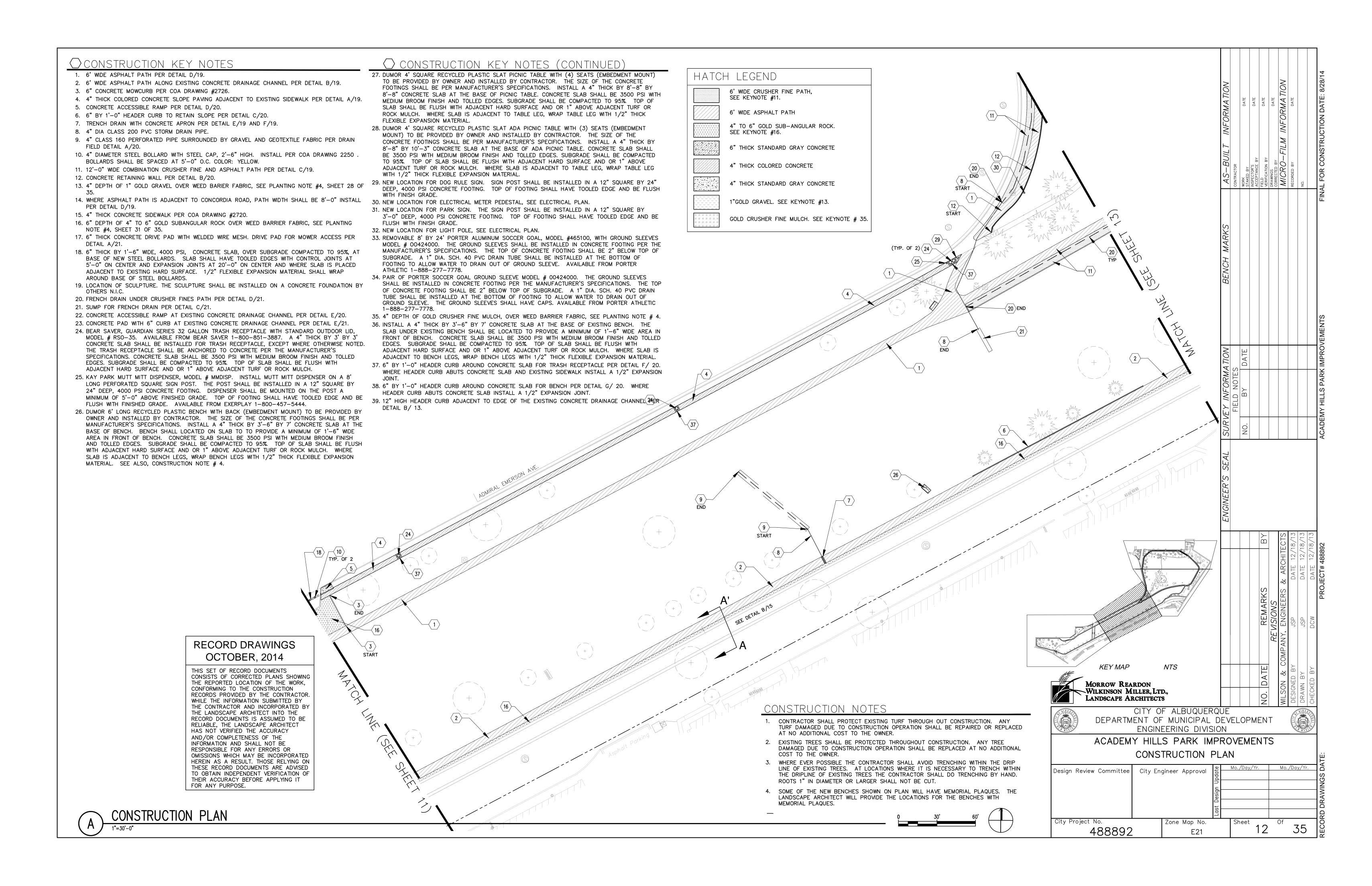


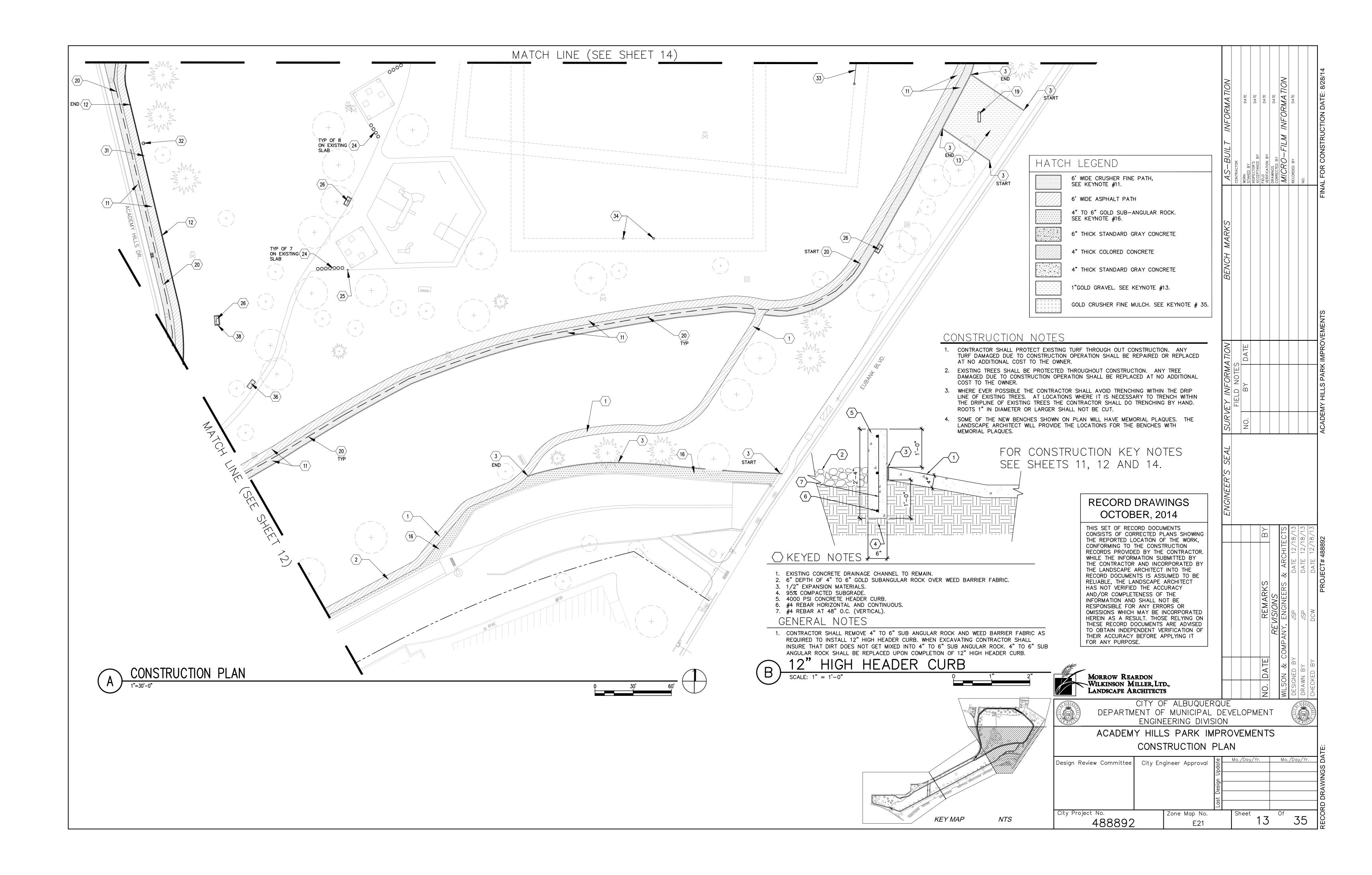


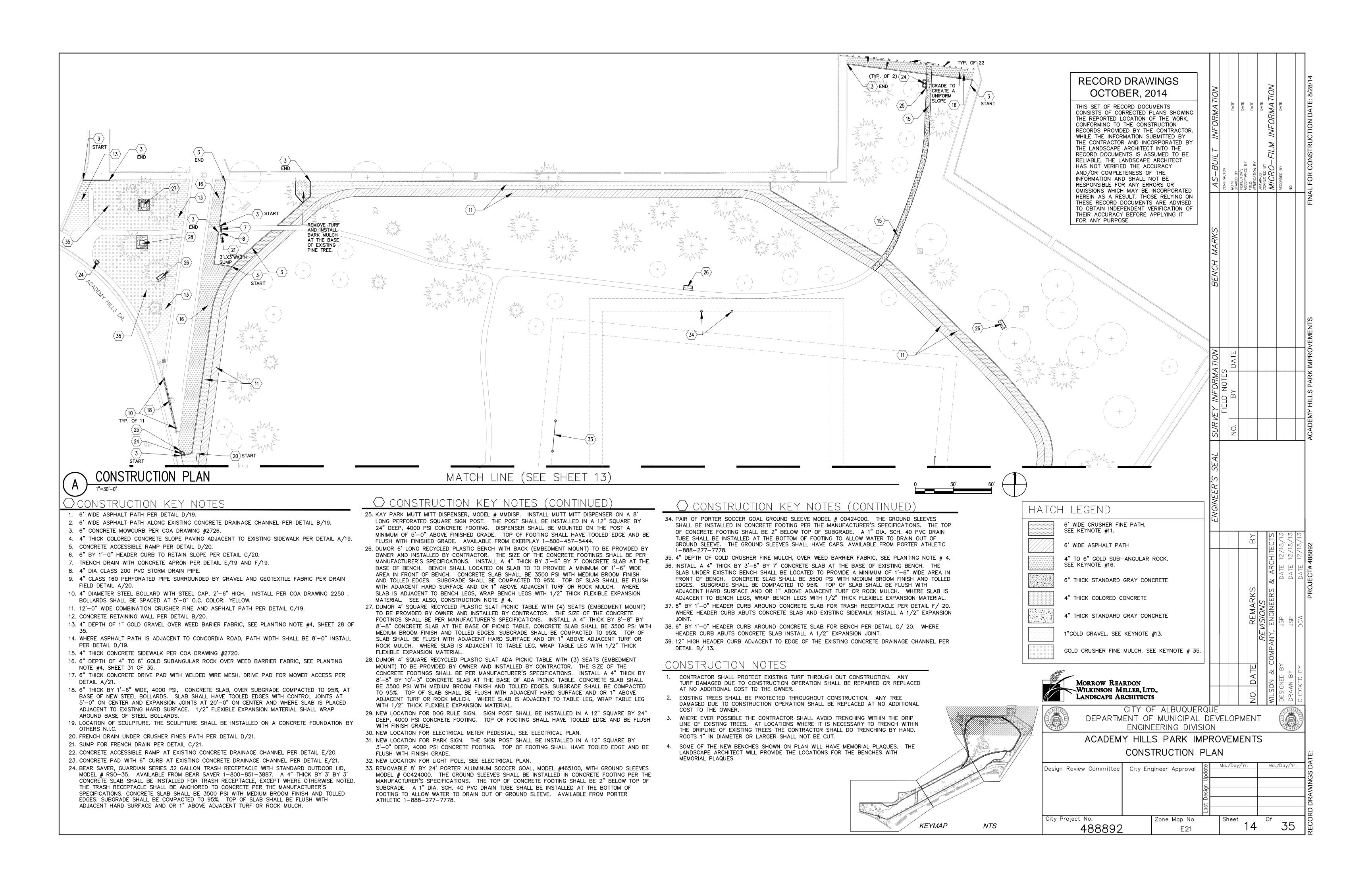


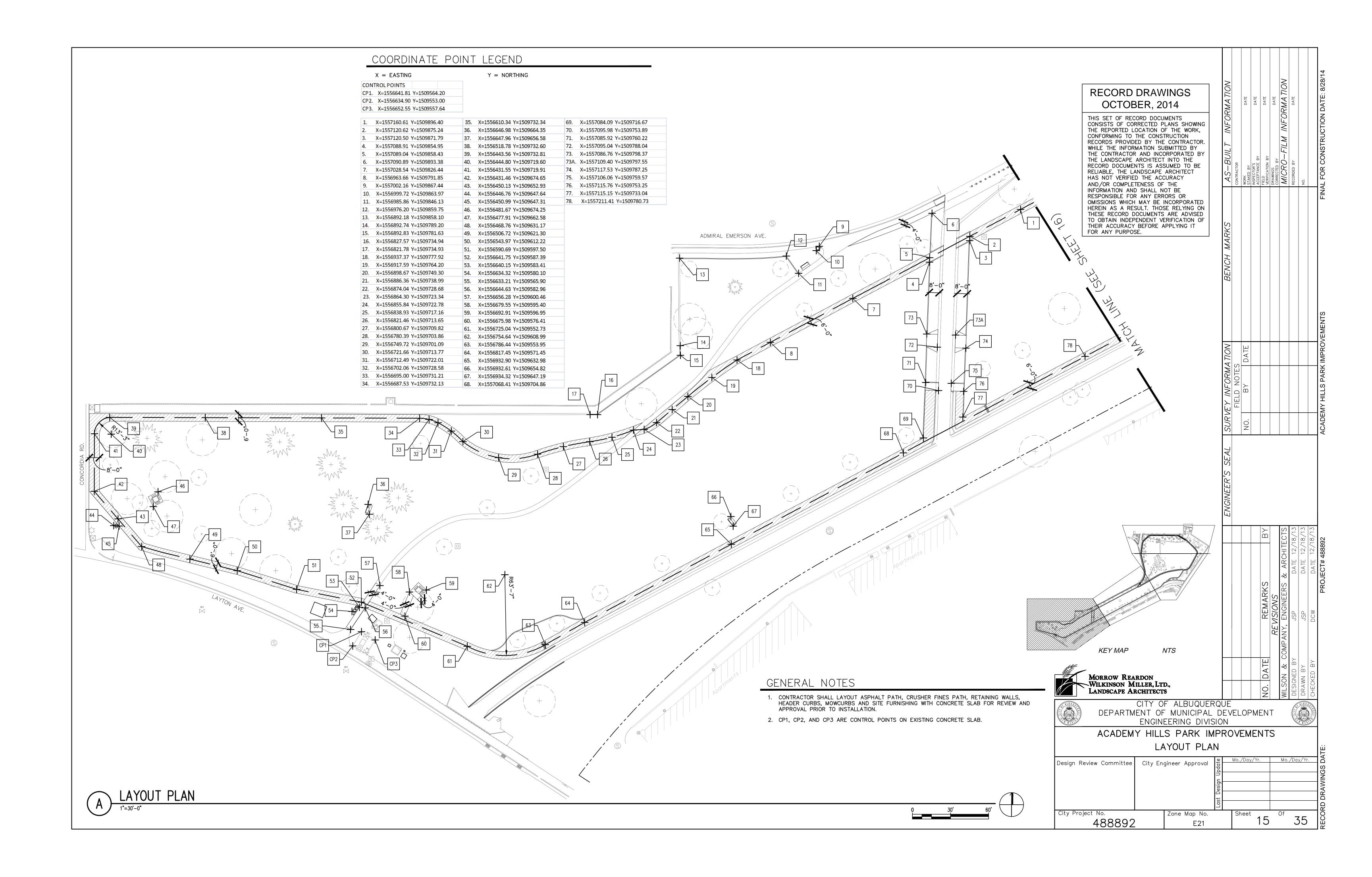


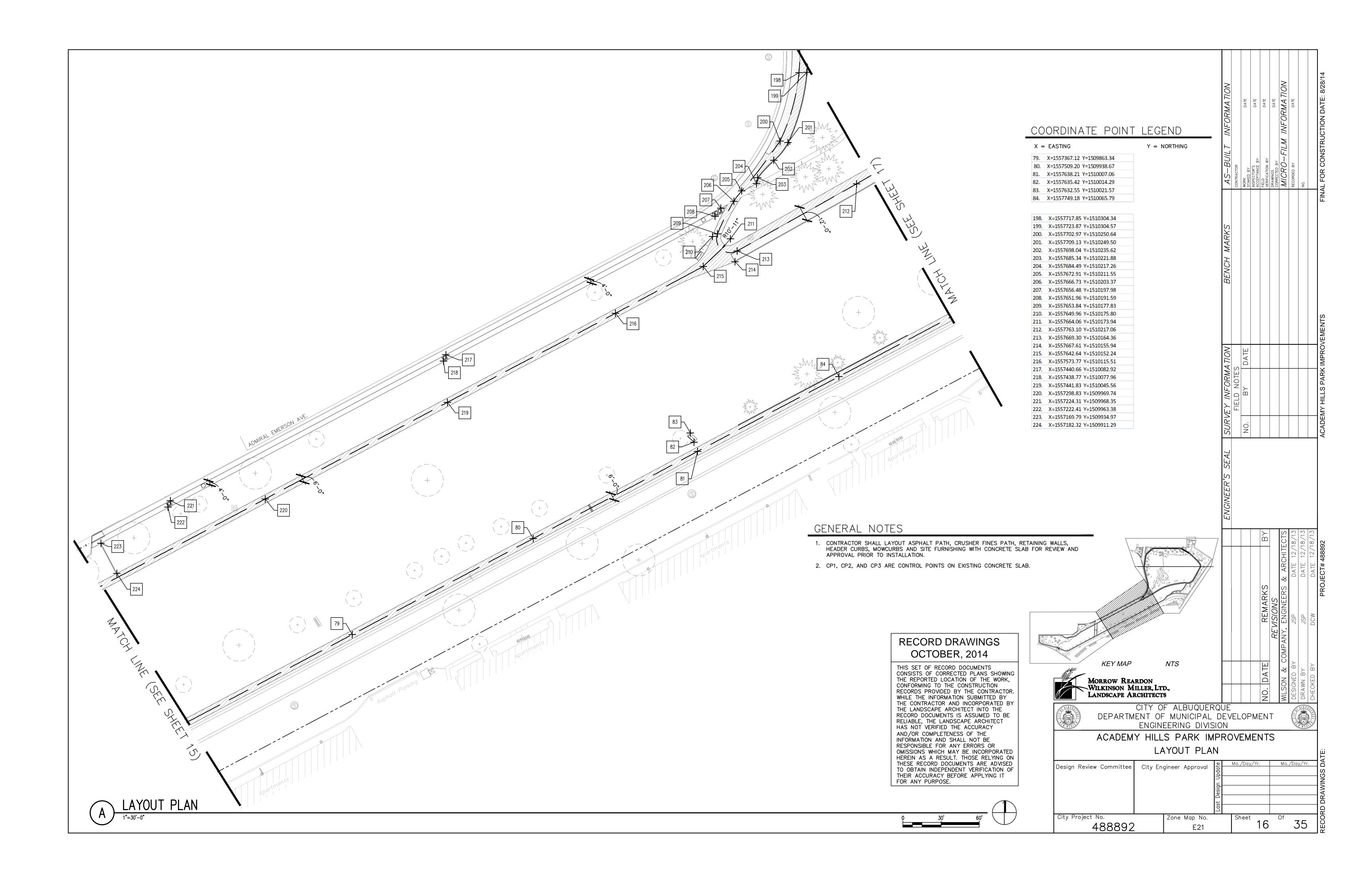


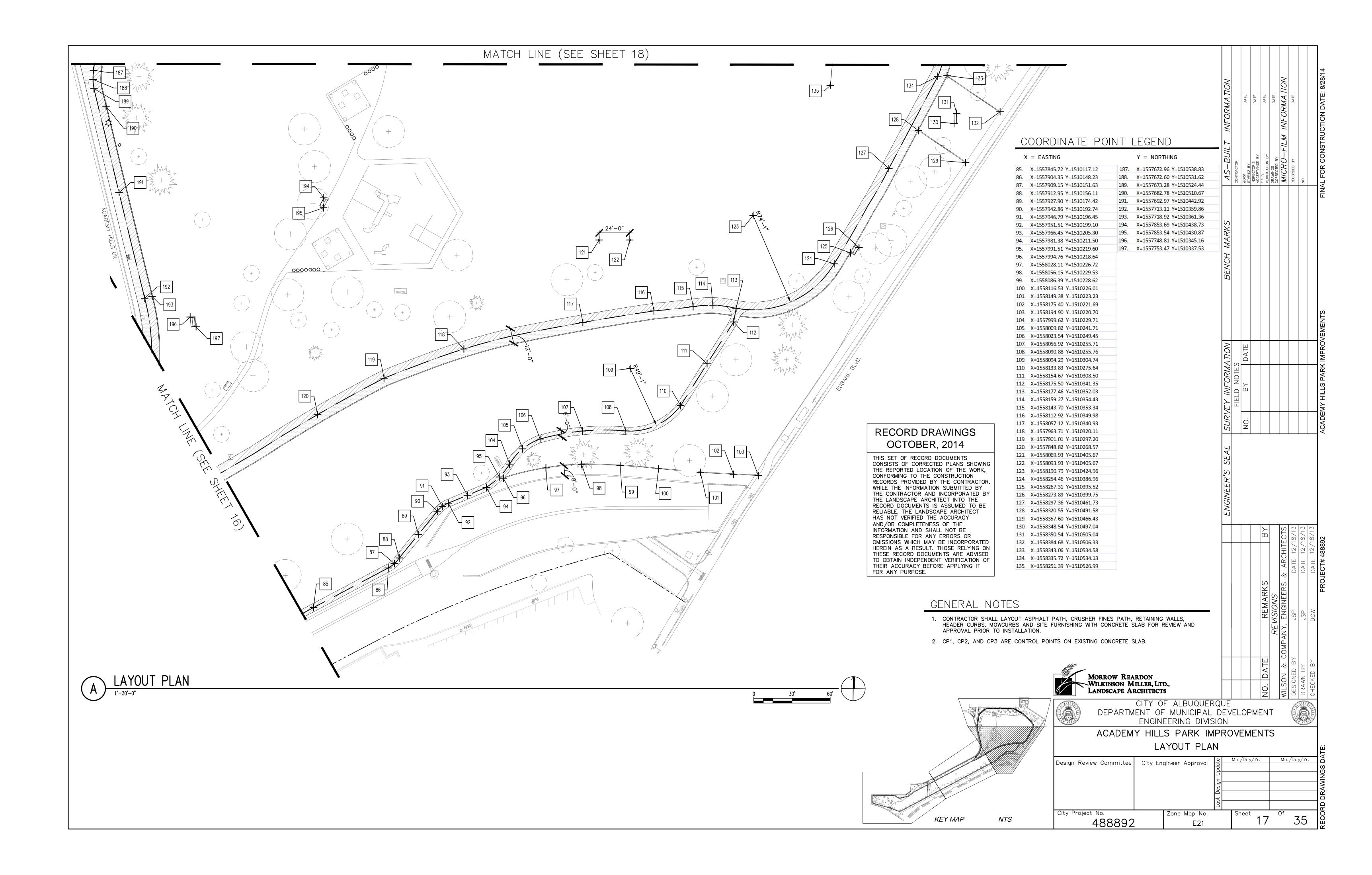


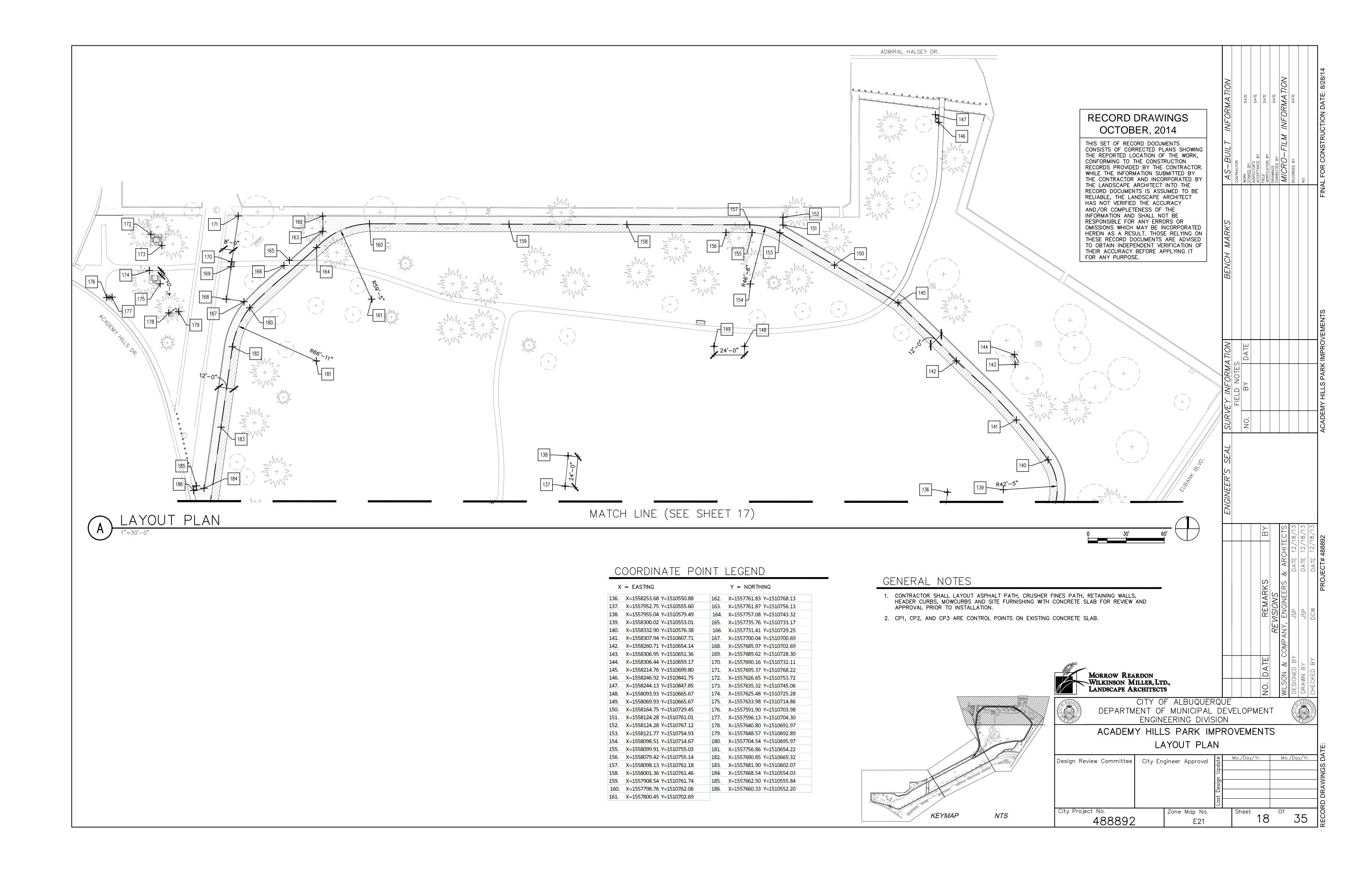


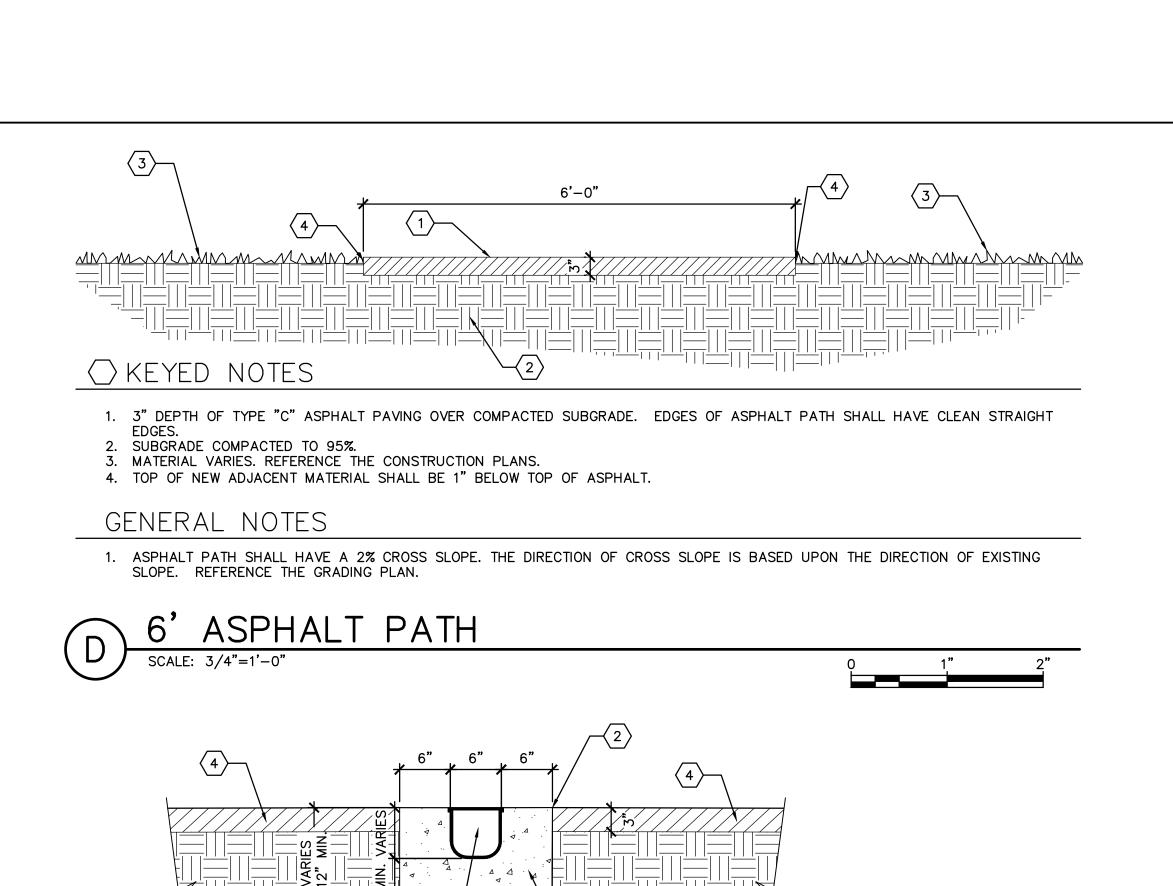












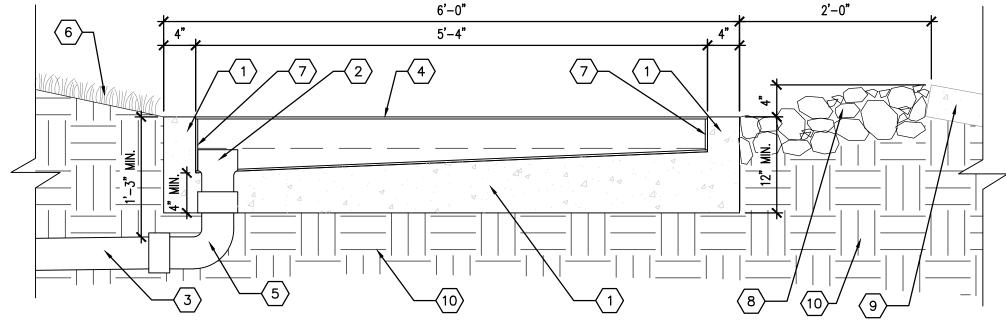
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- 1. CONCRETE APRON, 3500 PSI.
- 2. 1/4" TOOLED EDGE, TOP OF CONCRETE SHALL BE FLUSH WITH TOP OF ASPHALT PAVEMENT. FOR
- ASPHALT PATH, REFERENCE DETAIL B/19. 3. PRE-SLOPED HDPE TRENCH DRAIN SHALL BE MODULAR TRENCH DRAIN WITH HEEL-PROOF HPD DUCTILE IRON GRATE AND GRATE LOCK DOWN ASSEMBLY. DESIGN BASED ON PERMA TRENCH, Z886-HPP-GL, BY ZURN INDUSTRIES: SIZE 72" INCHES LONG BY 6 INCHES WIDE BY VARIABLE DEPTH. TRENCH DRAIN SHALL BE CUT AS REQUIRED TO WIDTH OF ASPHALT PATH.
- 4. ASPHALT PAVEMENT, FOR 6'-0" WIDE ASPHALT PATH REFERENCE DETAIL B/19. 5. 95% COMPACTED SUBGRADE.

#### GENERAL NOTES

1. FOR OUTLET AND CONNECTION TO FIELD DRAIN, REFERENCE DETAILS F/19 AND A/20.

# TRENCH DRAIN WITH CONCRETE APRON



#### KEYED NOTES

- 1. CONCRETE APRON, 3500 PSI.
- 2. 4" ZURN BOTTOM OUTLET.
- 3. 4" DIAMETER CLASS 200 PVC PIPE. MINIMUM SLOPE OF PIPE SHALL BE .5% SLOPE. THE MINIMUM DEPTH OF PIPE SHALL BE 12". FOR CONNECTION TO PERFORATED PIPE/ DRAIN FIELD SEE DETAIL A/20.
- 4. PRE-SLOPED HDPE TRENCH DRAIN SHALL BE MODULAR DRAIN WITH HPD HEEL-PROOF DUCTILE IRON GRATE AND LOCK DOWN ASSEMBLY. DESIGN BASED ON PERMA TRENCH Z886-HPP-6L, BY ZURN INDUSTRIES: SIZE 80" LONG X 6" WIDE WITH VARIABLE DEPTH. TRENCH DRAIN SHALL BE CUT AS REQUIRED FOR 6" WIDE ASPHALT PATH.
- 5. INSTALL STREET ELBOW AT 90 DEGREE ANGLE.
- 6. TURF GRASS.
- 7. ZURN CLOSED END CAP.
- 8. 6" DEPTH OF 4" TO 6" GOLD SUBANGULAR ROCK.
- 9. EXISTING CONCRETE DRAINAGE CHANNEL. 10. 95% COMPACTED SUBGRADE.

#### $\supseteq$ KEYED NOTES

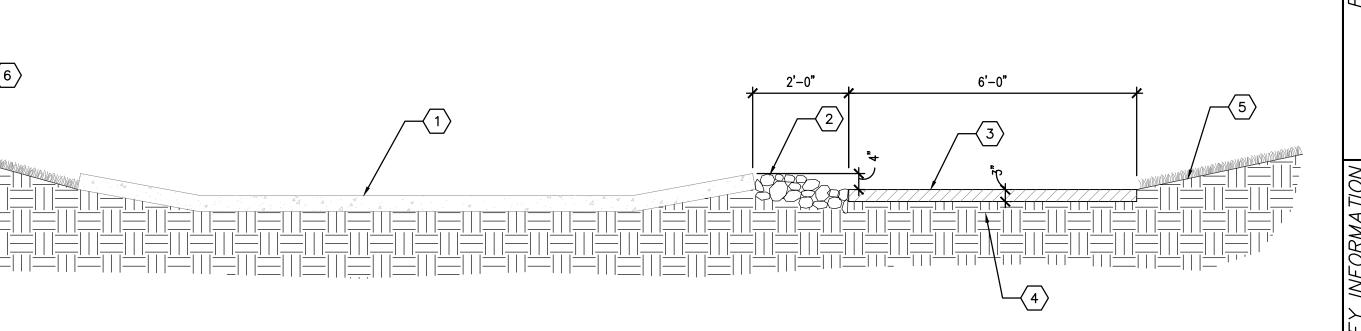
- 2. 3" DEPTH TYPE "C" ASPHALT PAVING OVER SUBGRADE COMPACTED TO 95%. EDGES OF ASPHALT PATH SHALL HAVE A
- 3. 3" DEPTH OF GRAY CRUSHER FINES OVER COMPACTED SUBGRADE. THE CRUSHER FINES SHALL BE MOISTENED, ROLLED, AND
- COMPACTED. 4. SUBGRADE COMPACTED TO 95%.
- 5. 6"X6" CONCRETE MOWCURB PER C.O.A. DRAWING 2726. TOP OF MOWCURB SHALL BE 1" ABOVE TOP OF CRUSHER FINES PATH AND TOP OF SOD. THE MOWCURB SHALL NOT BE INSTALLED AT LOCATIONS WHERE CRUSHER FINES PATH ABUT AGAINST EXISTING SIDEWALK OR EXISTING CURB.

# COMBINATION CRUSHER FINE AND ASPHALT PATH SCALE: 3/4"=1'-0" 1" 2

#### **RECORD DRAWINGS** OCTOBER, 2014

THIS SET OF RECORD DOCUMENTS CONSISTS OF CORRECTED PLANS SHOWING THE REPORTED LOCATION OF THE WORK, CONFORMING TO THE CONSTRUCTION RECORDS PROVIDED BY THE CONTRACTOR. WHILE THE INFORMATION SUBMITTED BY THE CONTRACTOR AND INCORPORATED BY THE LANDSCAPE ARCHITECT INTO THE RECORD DOCUMENTS IS ASSUMED TO BE RELIABLE, THE LANDSCAPE ARCHITECT HAS NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THE INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT. THOSE RELYING ON THESE RECORD DOCUMENTS ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF THEIR ACCURACY BEFORE APPLYING IT

FOR ANY PURPOSE.



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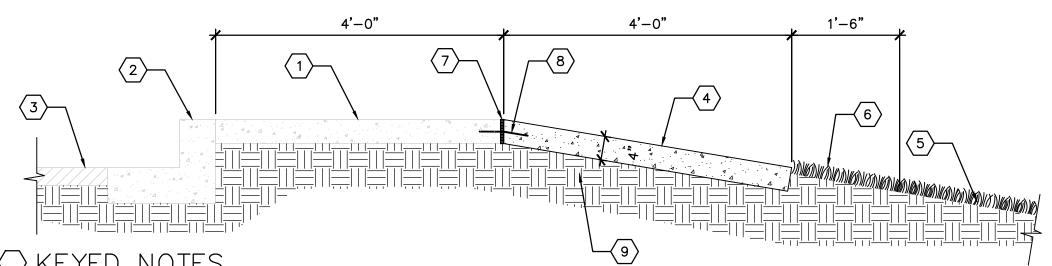
- 1. EXISTING CONCRETE CHANNEL TO REMAIN.
- 2. 6" DEPTH OF 4" TO 6" GOLD SUBANGULAR ROCK OVER WEED BARRIER FABRIC. FOR WEED BARRIER FABRIC, REFERENCE PLANTING NOTE #4 ON SHEETS 23 THROUGH 26. 3. 3" DEPTH OF TYPE "C" ASPHALT PAVING OVER COMPACTED SUBGRADE. EDGES OF
- ASPHALT PATH SHALL HAVE CLEAN STRAIGHT EDGES. ASPHALT PATH ADJACENT TO CONCRETE DRAINAGE CHANNEL SHALL BE LEVEL, WITH NO CROSS SLOPE. 4. SUBGRADE COMPACTED TO 95%.
- REMOVE AND REPLACE EXISTING SOD AS REQUIRED TO PROVIDE A SMOOTH GRADE TRANSITION BETWEEN NEW ASPHALT PATH AND ADJACENT TURF. REFERENCE THE GRADING PLANS AND GENERAL NOTE #6 OF THE DEMOLITION PLANS. TOP OF NEW SOD SHALL BE 1" BELOW TOP OF ASPHALT.

6. EXISTING TURF ON SLOPE TO REMAIN. OVER SEED WITH BLUE GRAMA AND BUFFALO

#### GENERAL NOTES

- 1. TOP OF SUBANGULAR ROCK SHALL BE 1" BELOW TOP OF ASPHALT AND CONCRETE
- 2. ASPHALT PATH ADJACENT TO CONCRETE DRAINAGE CHANNEL SHALL HAVE NO CROSS SLOPE.

### GRASS, SEE PLANTING PLAN. ASPHALT PATH SECTION ADJACENT TO CONCRETE DRAINAGE CHANNEL

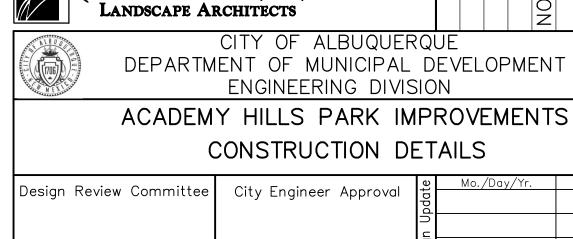


#### > KEYED NOTES

- EXISTING SIDEWALK TO REMAIN. EXISTING CURB AND GUTTER TO REMAIN.
- EXISTING ASPHALT TO REMAIN. 4. 4" THICK COLORED CONCRETE, 3500 PSI. COLOR: DAVIS SAN DIEGO BUFF #5237, 1.5 POUND PER 94 POUND SACK OF CEMENT. CONCRETE SHALL RECEIVE A COARSE BROOM FINISH PARALLEL TO THE SLOPE.
- EXISTING TURF GRASS ON SLOPE TO REMAIN. 6. REMOVE AND REPLACE EXISTING SOD AS REQUIRED TO PROVIDE A SMOOTH GRADE TRANSITION BETWEEN NEW SLOPE PAVING AND ADJACENT TURF. REFERENCE THE GRADING PLANS AND GENERAL NOTE #6 OF THE DEMOLITION PLANS. TOP OF NEW SOD SHALL BE 1" BELOW TOP OF CONCRETE.
- 7. 1/2" EXPANSION JOINT SHALL BE INSTALLED IN BETWEEN EXISTING AND NEW CONCRETE.
- 8. DRILL EDGE OF EXISTING SIDEWALK AS REQUIRED TO ENBED A #4 SMOOTH STEEL ROD INTO EDGE OF EXISTING SIDEWALK AT 5'-0" ON CENTER. DOWELS SHALL BE SET IN EXISTING SIDEWALK WITH EPOXY CONCRETE GROUT. DOWEL SHALL BE BENT AS REQUIRED TO INSTALL IN THE CENTER OF CONCRETE SLOPE PAVING. APPLY A LIBERAL COATING OF LITHIUM GREASE TO SEGMENT OF ROD EMBEDDED IN CONCRETE SLOPE PAVING. THE SEGMENT
- OF STEEL ROD EMBEDDED IN EXISTING SIDEWALK SHALL BE DRY. 95% COMPACTED SUBGRADE.

- GENERAL NOTES
- EXPANSION JOINTS SHALL BE LOCATED AT 20'-0" O.C. AND CONTROL JOINTS AT 5'-0" O.C. 2. CONTRACTOR SHALL PROTECT EXISTING CONCRETE THROUGHOUT CONSTRUCTION OPERATIONS. ANY CONCRETE DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER.





MORROW REARDON

WILKINSON MILLER, LTD.,

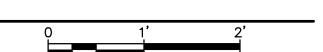
CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION

> CONSTRUCTION DETAILS City Engineer Approval

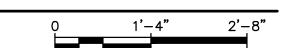
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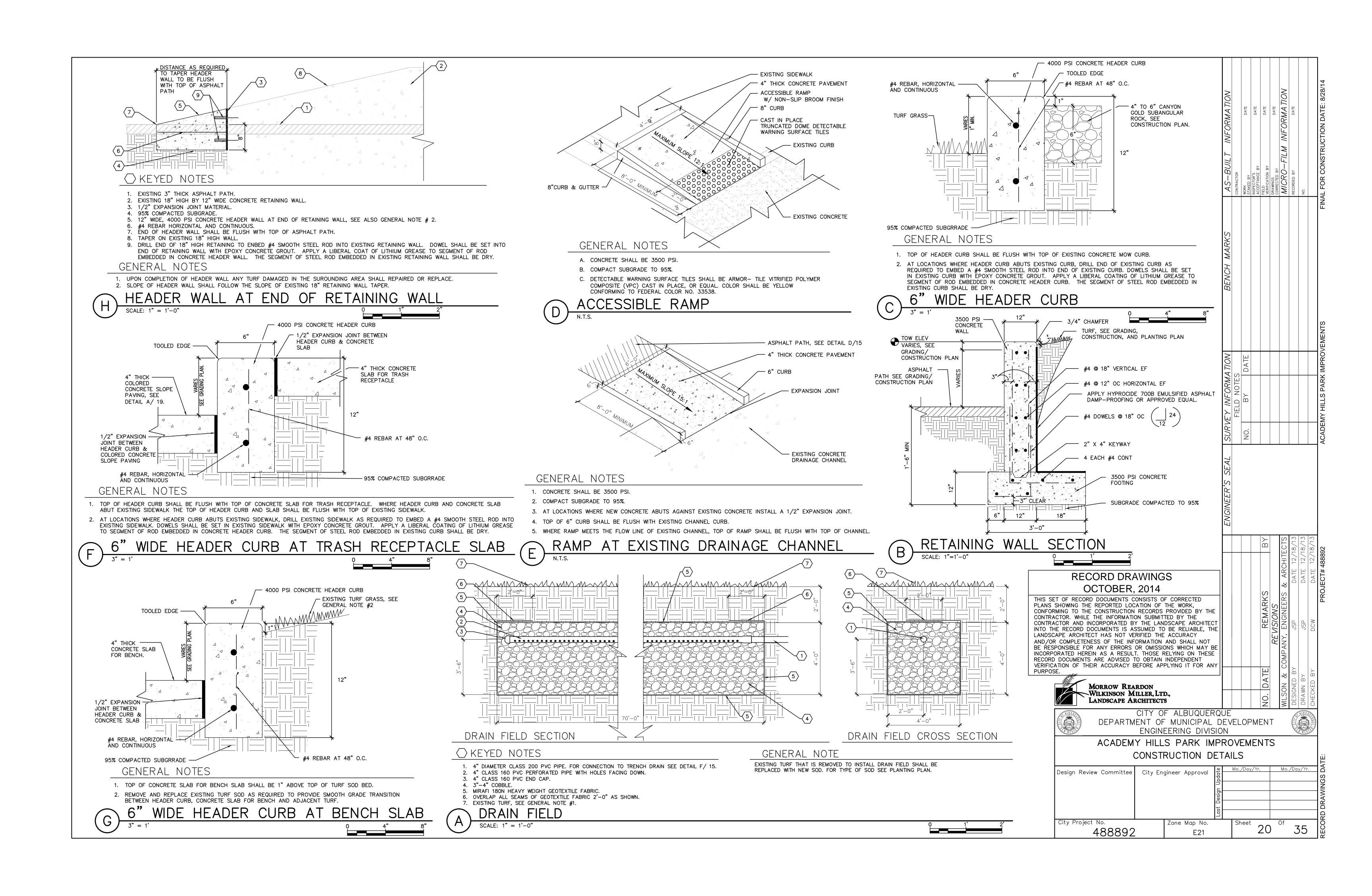
Zone Map No. 488892

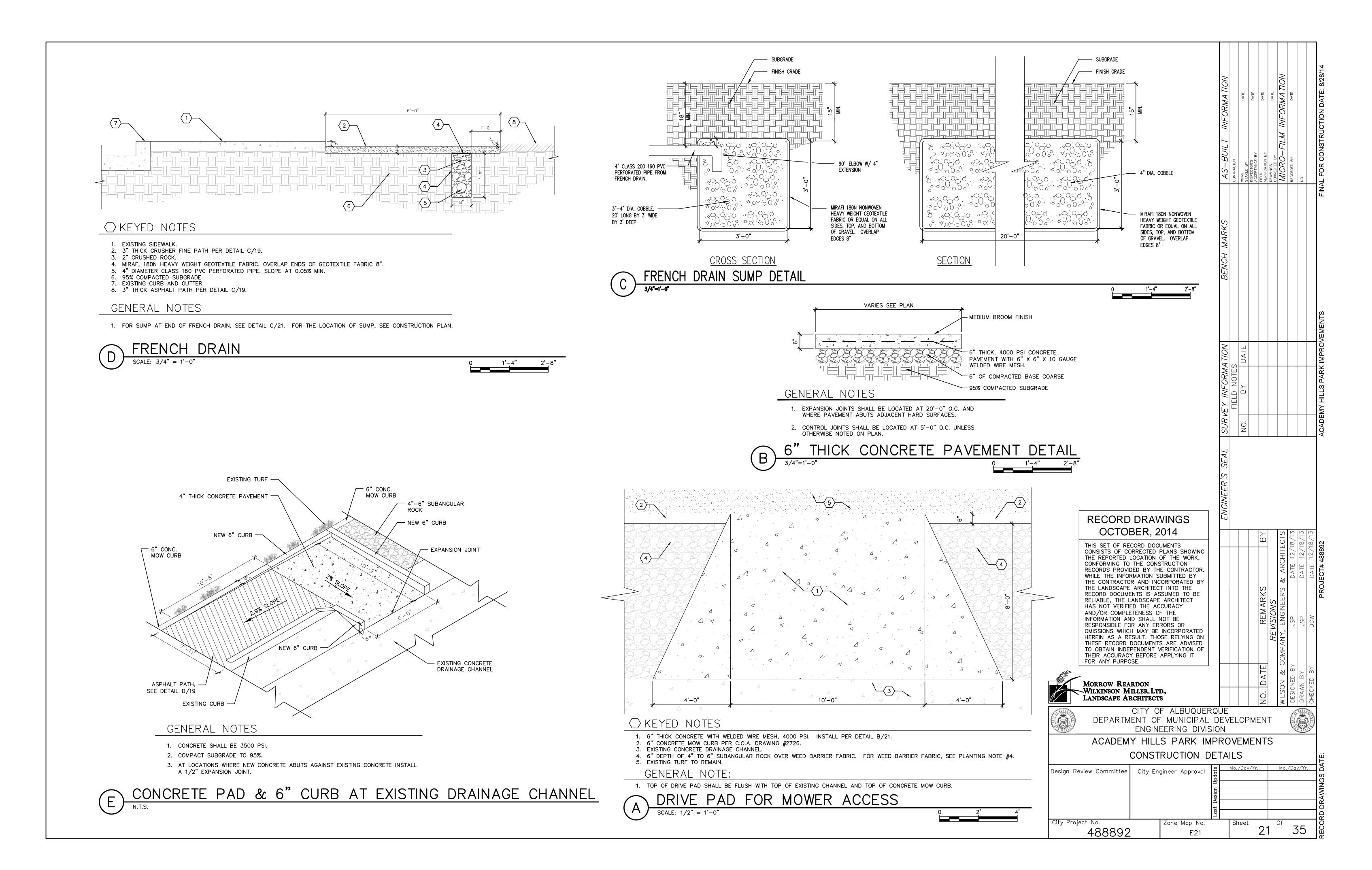
## TRENCH DRAIN SECTION

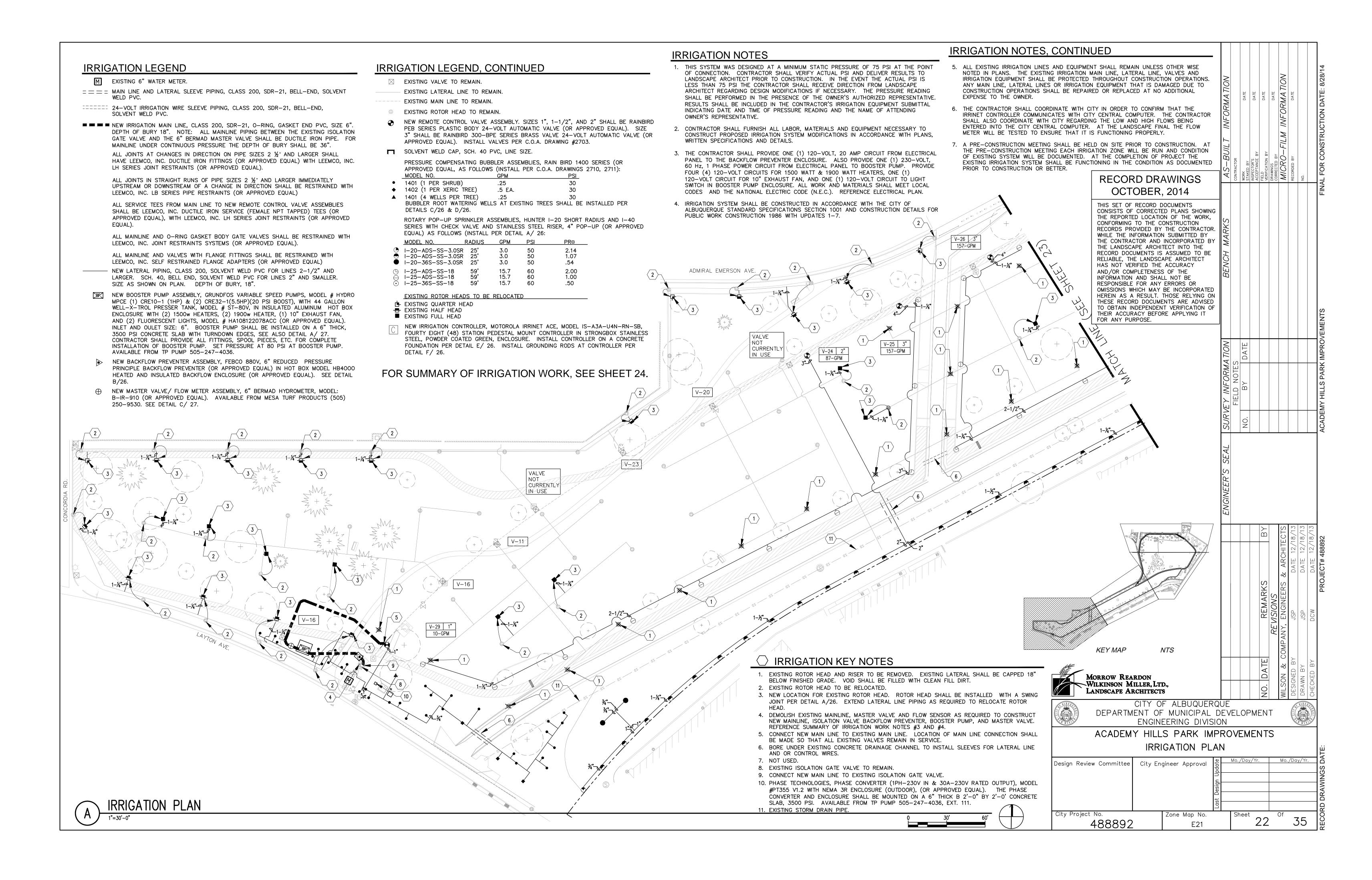


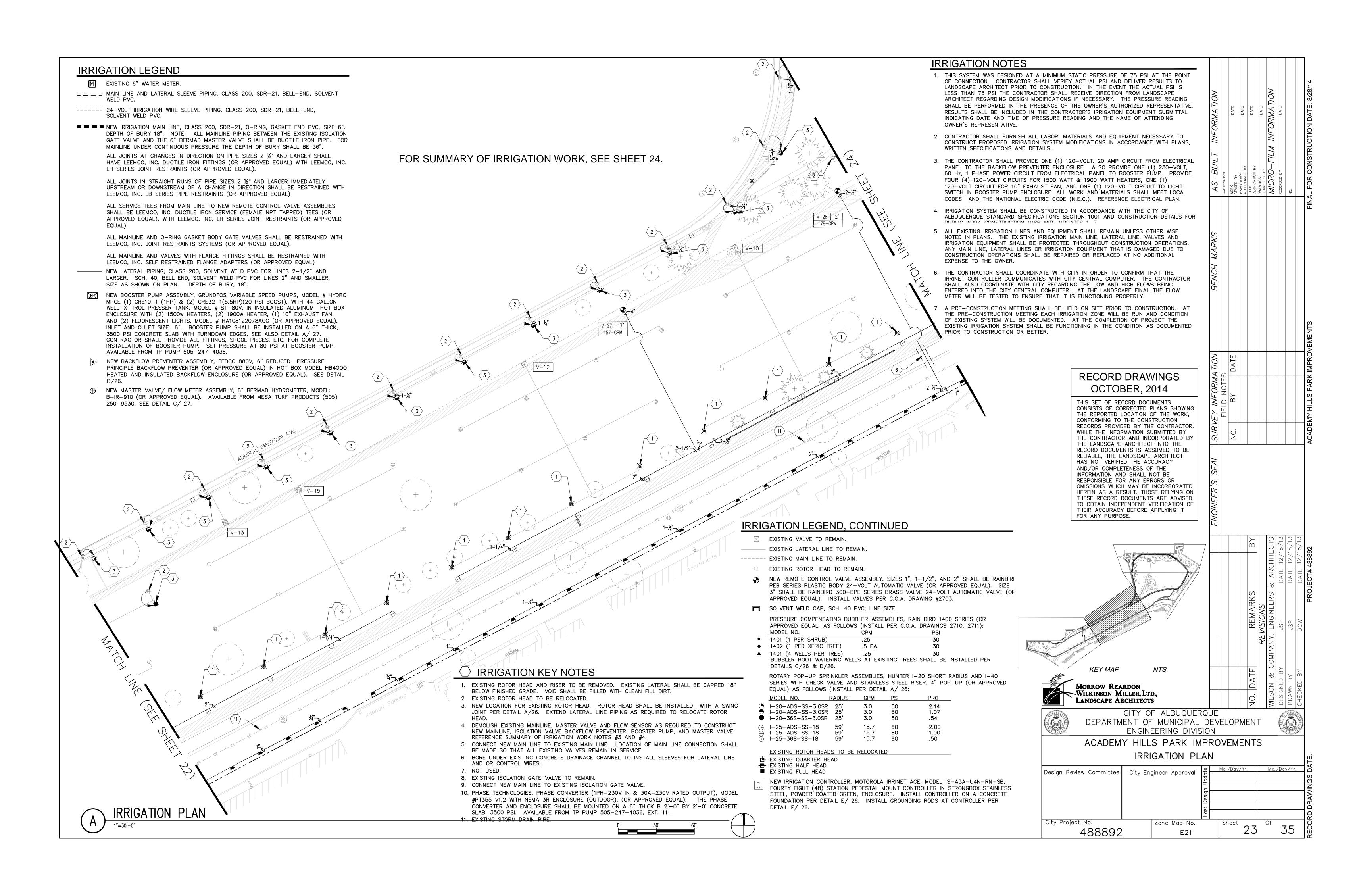


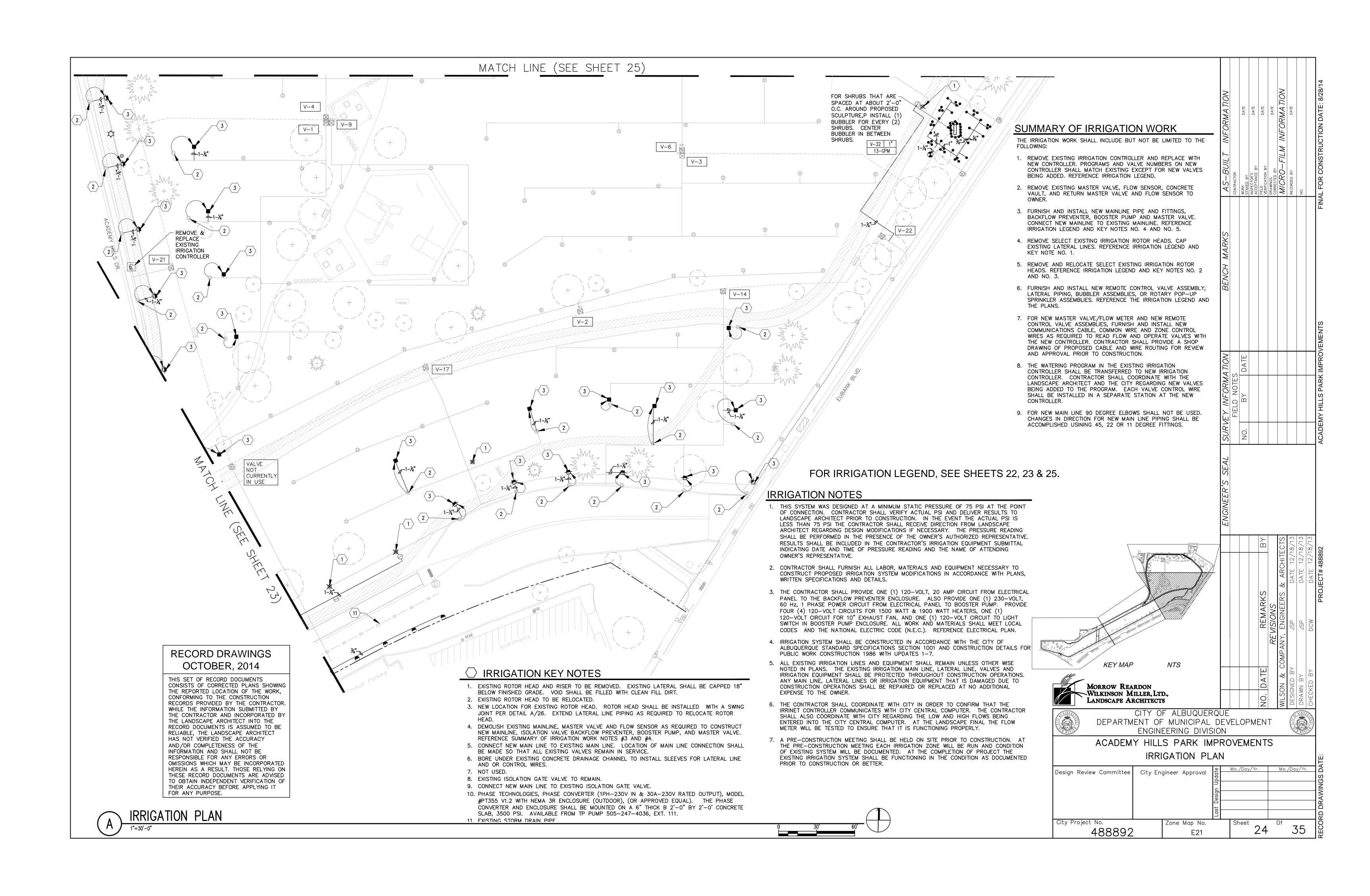


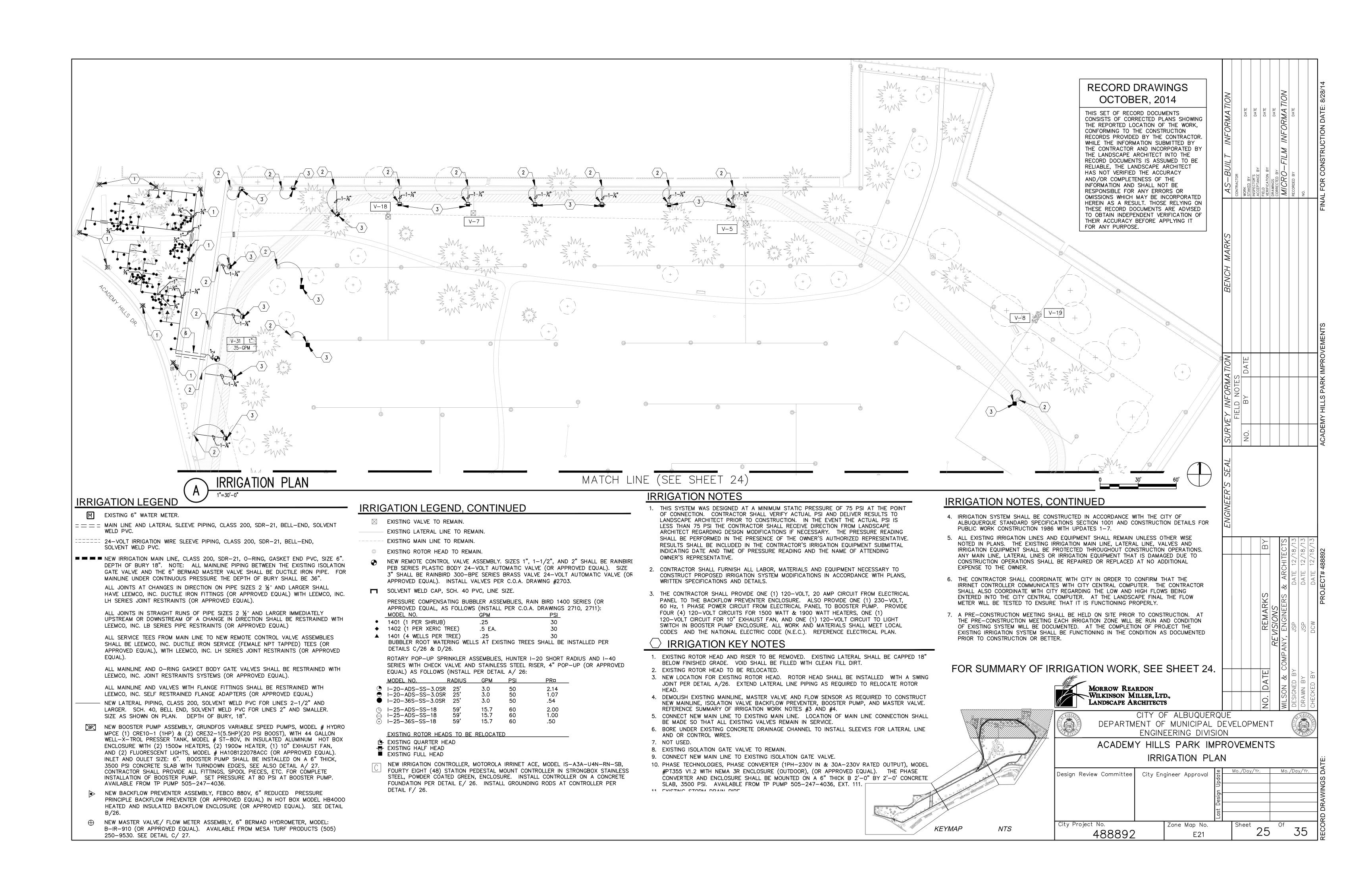


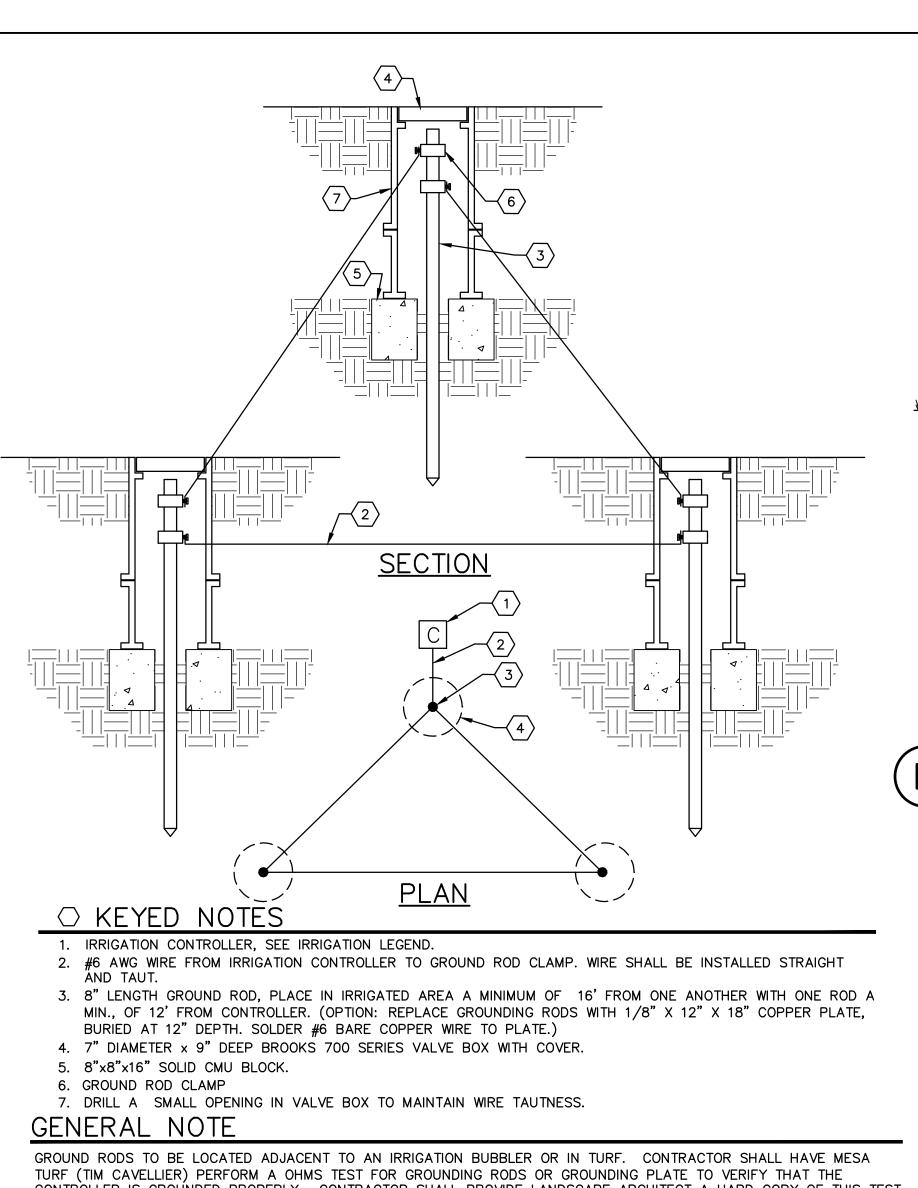






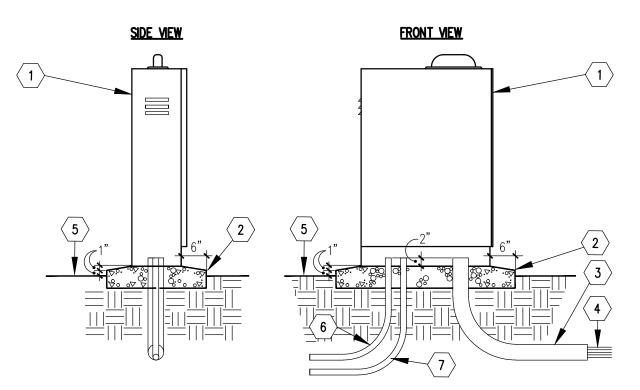






CONTROLLER IS GROUNDED PROPERLY. CONTRACTOR SHALL PROVIDE LANDSCAPE ARCHITECT A HARD COPY OF THIS TEST.

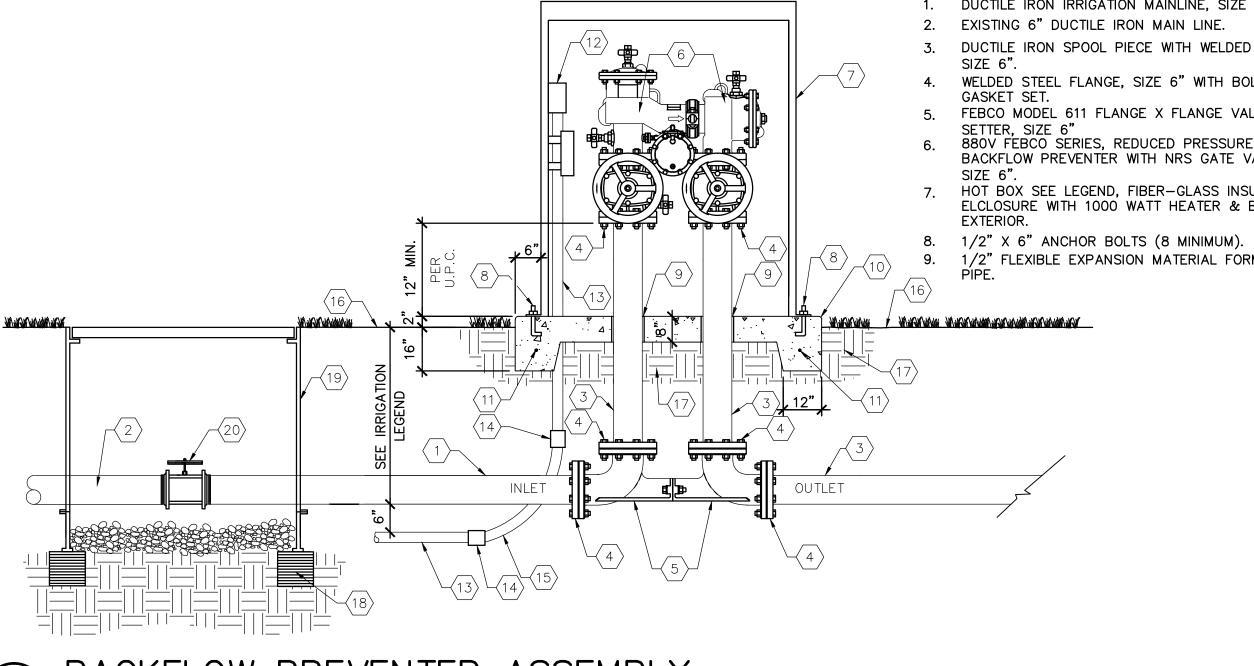
### CONTROLLER GROUNDING DETAIL



#### ○ KEYED NOTES

- 1. IRRIGATION CONTROLLER ENCLOSURE WITH PEDESTAL, SEE IRRIGATION LEGEND. INSTALL PER MANUFACTURER'S
- 2. POURED CONCRETE BASE 6" MIN. THICKNESS - EXTEND CONCRETE 6 BEYOND OUTSIDE DIMENSIONS OF ENCLOSURE WITH 1/2% SLOPE FOR DRAINAGE.
- 3. PVC LONG SWEEP ELL (24 VOLT WIRE) EXTEND 12" PAST CONCRETE PAD.
- 4. DIRECT BURIAL CONTROL WIRES TO CONTROL VALVES.
- FINISH GRADE
- 6. 120-VOLT SERVICE IN CONDUIT, PER N.E.C.
- 7. 3/4" CONDUIT FOR GROUNDING.

## PEDESTAL MOUNT IRRIGATION CONTROLLER



DUCTILE IRON IRRIGATION MAINLINE, SIZE 6" 10. CONCRETE PAD, 8" THICK

2. EXISTING 6" DUCTILE IRON MAIN LINE.

○ KEY NOTES

- DUCTILE IRON SPOOL PIECE WITH WELDED FLANGES,
- WELDED STEEL FLANGE, SIZE 6" WITH BOLT AND
- FEBCO MODEL 611 FLANGE X FLANGE VALVE
- BACKFLOW PREVENTER WITH NRS GATE VALVES, HOT BOX SEE LEGEND, FIBER-GLASS INSULATED ELCLOSURE WITH 1000 WATT HEATER & BEIGE
- 8. 1/2" X 6" ANCHOR BOLTS (8 MINIMUM).
- 9. 1/2" FLEXIBLE EXPANSION MATERIAL FORMED TO FIT
  - GENERAL NOTE

16. FINISH GRADE

ALL ELECTRICAL SHALL BE INSTALLED WITH RAIN TIGHT FITTINGS

11. #4 REBAR, HORIZONTAL AND CONTINUOUS.

13. \*3/4" ELECTRICAL CONDUIT (PER N.E.C.).

18. 8" BY 8" BY 16" SOLID CMU BLOCK.

14. \*3/4" ELECTRICAL COUPLING (PER N.E.C.).

15. \*3/4" ELECTRICAL SWEEP ELL (PER N.E.C.).

17. COMPACT SUB-GRADE TO 95% MODIFIED PROCTOR.

VALVE BOX WITH BOLT DOWN ABS COVER AND

1730-X EXTENSIONS AS REQUIRED. COLOR TAN. 20. EXISTING IRON BODY ISOLATION GATE TO REMAIN

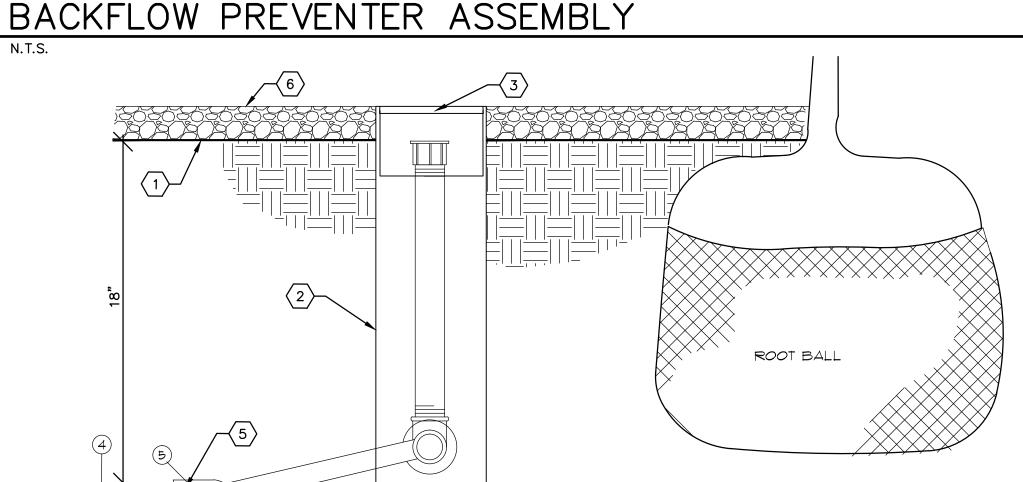
19. APPLIED ENGINEERING PRODUCTS 1730-18P2A

TOP OF CONCRETE SLAB.

12. \*ELECTRICAL JUNCTION BOX (PER N.E.C.). THE

JUNCTION BOX SHALL BE A MINIMUM OF 12" ABOVE

-ORMA



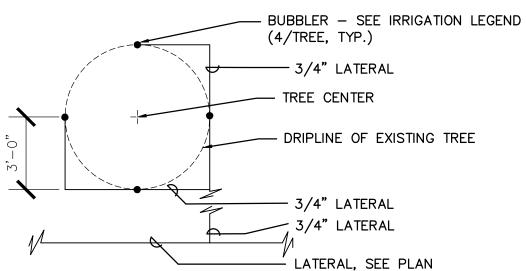
#### ○ KEYED NOTES

- TOP OF SUB-GRADE. 2. RAINBIRD 4" X 36" MESH TUBE ROOT WATERING WELL SYSTEM WITH BUBBLER, SWING ASSEMBLY, MALE NPT INLET AND LOCKING GRATE MODEL # RWS-B-1401 (OR APPROVED EQUAL), (BUBBLER SHALL BE .25 GPM BUBBLER). TUBE SHALL BE WRAPPED WITH WEED BARRIER FABRIC. THE WEED BARRIER FABRIC SHALL BE 4.1 OZ. NON-WOVEN, NEEDLE PUNCHED
- POLYPROPYLENE (MIRAFI OR EQUAL). 3. GRATE SHALL BE FLUSH WITH TOP OF MULCH.
- 4. PVC LATERAL PIPING.
- 5. 1/2" SCH 40 PVC THREADED ELBOW.6. TOP OF MULCH, SEE PLANTING NOTES FOR DEPTH OF MULCH.

#### GENERAL NOTES

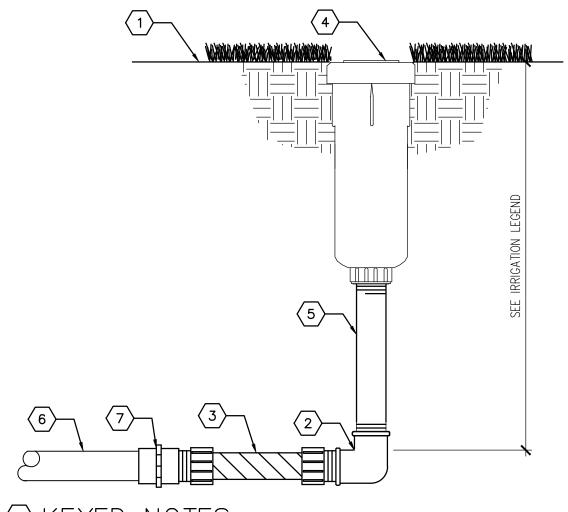
LATERAL LINE SHALL BE PRESSURE TESTED PRIOR TO INSTALLATION OF ROOT WATERING WELL SYSTEM. 2. BUBBLER WELLS SHALL BE INSTALLED AT DRIPLINE OF TREE AS SHOWN IN DETAIL D/26.

## BUBBLER WELL ASSEMBLY



BUBBLER WELLS SHALL BE INSTALLED PER DETAIL C/26. THE BUBBLER WELLS SHALL BE LOCATED AT THE DRIPLINE OF EXISTING TREES AT LOCATION SHOWN ABOVE.

BUBBLER LAYOUT AT TREES



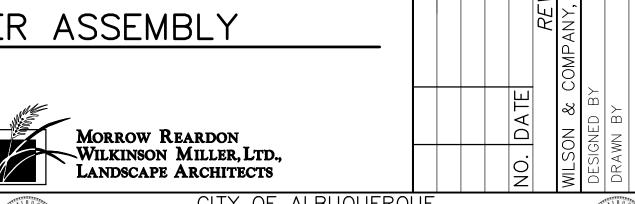
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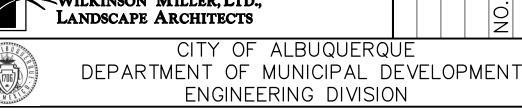
- 1. FINISH GRADE AND/OR TOP OF SOD OR SEEDING BED. SEE PLANTING
- 2. 1/2" SCH 40 PVC THREADED
- ELBOW.
- 3. 1/2" X 6" PVC FLEX NIPPLE.
- 4. SPRINKLER BODY, SEE IRRIGATION

## SPRINKLER ASSEMBLY

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5. 1/2" SCH 80 PVC THREADED

6. PVC LATERAL PIPING.

ADAPTER.

NIPPLE, LENGTH AS REQUIRED.

7. 3/4" X 1/2" SCH. 40 PVC FEMALE



Design Review Committee City Project No. Zone Map No. 26 488892 E21

