



Addendum No. 1

The Transit Authority of the City of Omaha d/b/a Metro
**Omaha Metro-Creighton University
Multi-Modal Facility (Pedestrian Mall)**

Project No. NE-04-044 / Specification No. 34-17

Date Issued: 6-1-2018

To: All Interested Parties

This Addendum forms a part of the Contract Documents dated. The Bidder shall acknowledge receipt of this Addendum on the Price Schedule form provided. Failure to acknowledge receipt may subject the Bidder to disqualification.

This Addendum consists of the following:

- 1) Revisions to the Specifications
- 2) Revisions to Plan Sheets (13 Sheets)
- 3) Revision to Bid Schedule (2 Pages)

CHANGES TO SPECIFICATIONS

1. Section 1 – Instructions to Bidders, Page 6 - Item 15

Revise the second paragraph to read as follows:

Section 15, paragraph 2 now reads: Metro has established a specific goal for this project of 0.0% through race/gender neutral means. Metro's overall goal for FF 2017-2019 is 9.87%. In order to receive a contract award, Title 49 Code of Federal Regulations (CFR) Part 26, requires the apparent low bidder must establish either 1) that it has met the DBE participation goal of **0.0%** through race neutral means; or 2) that it has made adequate good faith efforts to meet the BDE participation goal. This requirement is in addition to all other pre-award requirements.

2. Section 3 – Supplementary Conditions, Page 15

Add Item 21. Installer / Manufacturer Qualifications to read as follows:

21. Installer / Manufacturer Qualifications

Contractor shall provide Installer / Manufacturer qualifications as required by the Plans and Specifications prior to the installation/ construction of each item.

Specific items include, but are not limited to, the following:

Specification 32 14 01 Clay Pavers on Concrete Base

3. Specification 32 14 01 Clay Pavers on Concrete Base

Add the following to Section 1.4 Quality Assurance:

E. Qualifications:

Manufacturers and installers shall demonstrate that they have supplied and/or installed pavers for project of a similar nature, with regard to installation and production capacity of at least 300,000 SF.

a. Paver Manufacturer's Qualifications:

- 1) The manufacturer shall demonstrate a minimum of 5 years successful experience in the manufacture of clay pavers.
- 2) The manufacturer shall have sufficient production capacity and established quality control procedures to produce, transport, and deliver the required number of pavers with the quality specified, without causing delay to the work.
- 3) The manufacturer shall have suitably experienced personnel and a management capability sufficient to produce the number of quality pavers as depicted on the contract plans and documents.

b. Paver Installer's Qualifications:

- 1) Installer shall provide installation history, including references in writing with contact information,
- 2) The installer shall have suitably experienced personnel and a management capability sufficient to execute the work shown in the contract documents and herein.
- 3) The installer's foreman shall demonstrate, including references, a minimum of 5 years of successful experience in the installation of unit paver systems similar in size and nature to this project.

CHANGES TO PLAN SHEETS

1. Construction Limits have been revised to more clearly show work to be performed by others. Replace Sheets L-101, C-100, C-101, C-102, C-103, C-104, C-105, C-106, C-107, L-201, L-202, L-301 and L-302 in their entirety with the corresponding sheets attached. (13 sheets)
2. On Sheets L-300, L-301, L-302, and L-303, designators 5.2, 5.3 and 5.4 of the Keynote Legend are not used. Backless benches (5.2) and ash urns (5.4) do not occur in the project. Trash receptacles (5.3) will be located in the field by the Architect.

CHANGES TO BID SCHEDULE

1. Replace the Bid Schedule with attached Bid Schedule dated 6/1/18 (2 pages)

End Addendum 1 - Three (3) pages

STORM SEWER NOTES

- INLETS AND MANHOLES SHALL BE LOCATED IN ACCORDANCE WITH THE COORDINATES SHOWN. THE LENGTHS OF PIPES MAY VARY ACCORDINGLY.
- THE CONTRACTOR IS REFERRED TO THE FOLLOWING CITY OF OMAHA STANDARD PLATES:
 - 700-01 STORM BEDDING
 - 700-23 CONCRETE COLLAR AND SEWER TAP
 - 700-24 PIPE PLUG
 - 700-40 STORM SEWER MANHOLE
 - 700-90 CAST IRON MANHOLE RINGS AND COVERS, MANHOLE STEPS
- TRENCH BACKFILL SHALL BE COMPACTED AS SPECIFIED BY THE GEOTECHNICAL ENGINEER.
- STORM SEWER MATERIALS: THE FOLLOWING MATERIALS ARE GENERALLY APPROVED FOR STORM SEWER CONSTRUCTION:
 - A. POLYVINYL CHLORIDE (PVC) PLASTIC DRAIN, WASTE AND VENT PIPE. PVC PIPE SHALL BE TYPE 1, GRADE 1 AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM D2665-02AEO AND SHALL BE INSTALLED AS REQUIRED BY ASTM D2321-00.
- CONCRETE FOR STORM SEWER STRUCTURES SHALL BE L65M USING TYPE II PORTLAND CEMENT. THE CEMENT FOR MANHOLE GROUT SHALL BE THE SAME AS THAT FOR MANHOLE CONCRETE AND SHALL MEET THE REQUIREMENTS OF THE CITY OF OMAHA STANDARD SPECIFICATIONS.
- ALL STORM SEWER CONSTRUCTED IN THE PUBLIC RIGHT OF WAY SHALL BE REINFORCED CONCRETE PIPE (RCP).
- THE CONTRACTOR INSTALLING SEWER SHALL HOLD A VALID SEWER LAYER'S LICENSE AND SHALL OBTAIN ALL REQUIRED PERMITS. PERMITTING FEES SHALL BE PAID BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

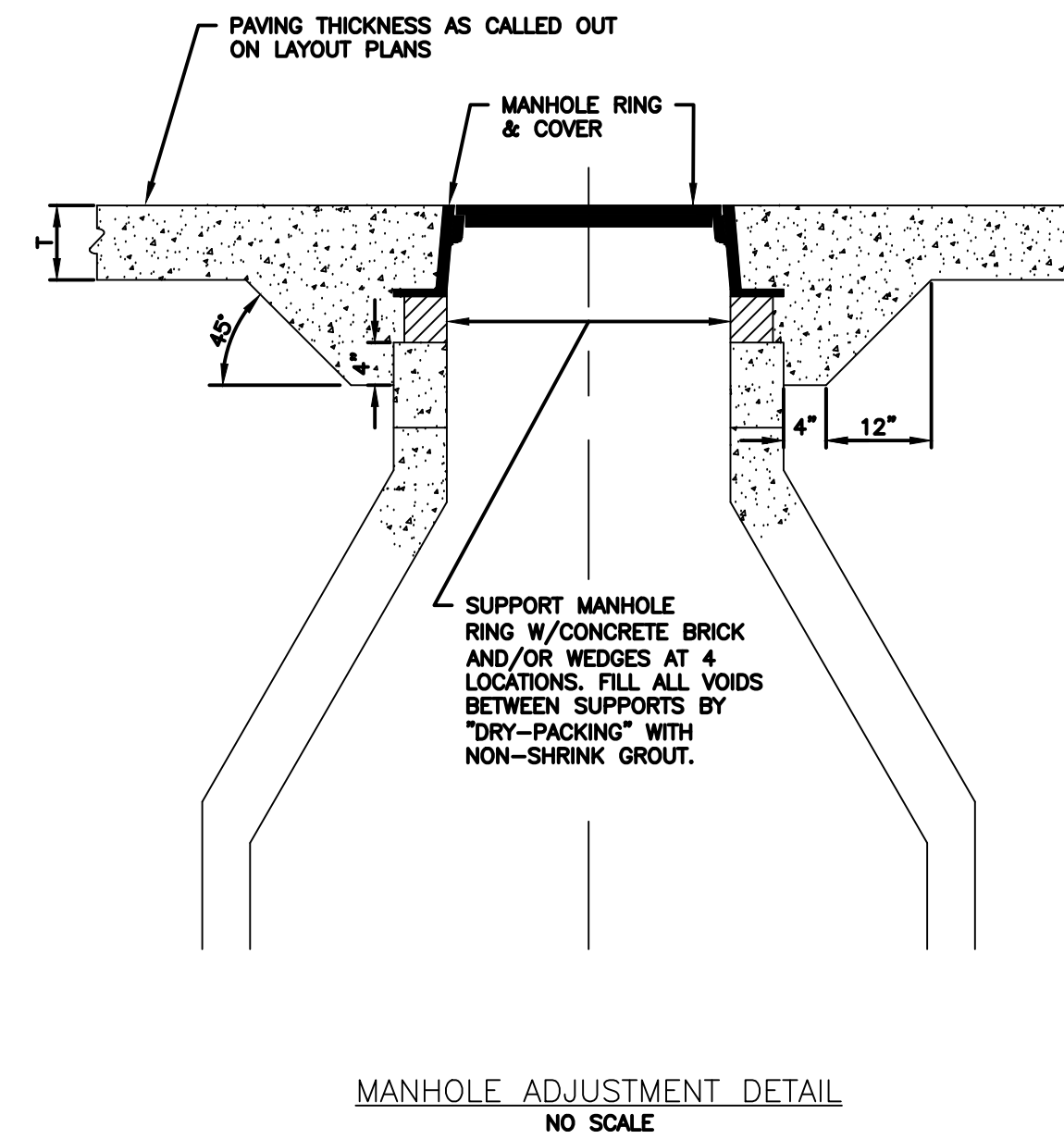
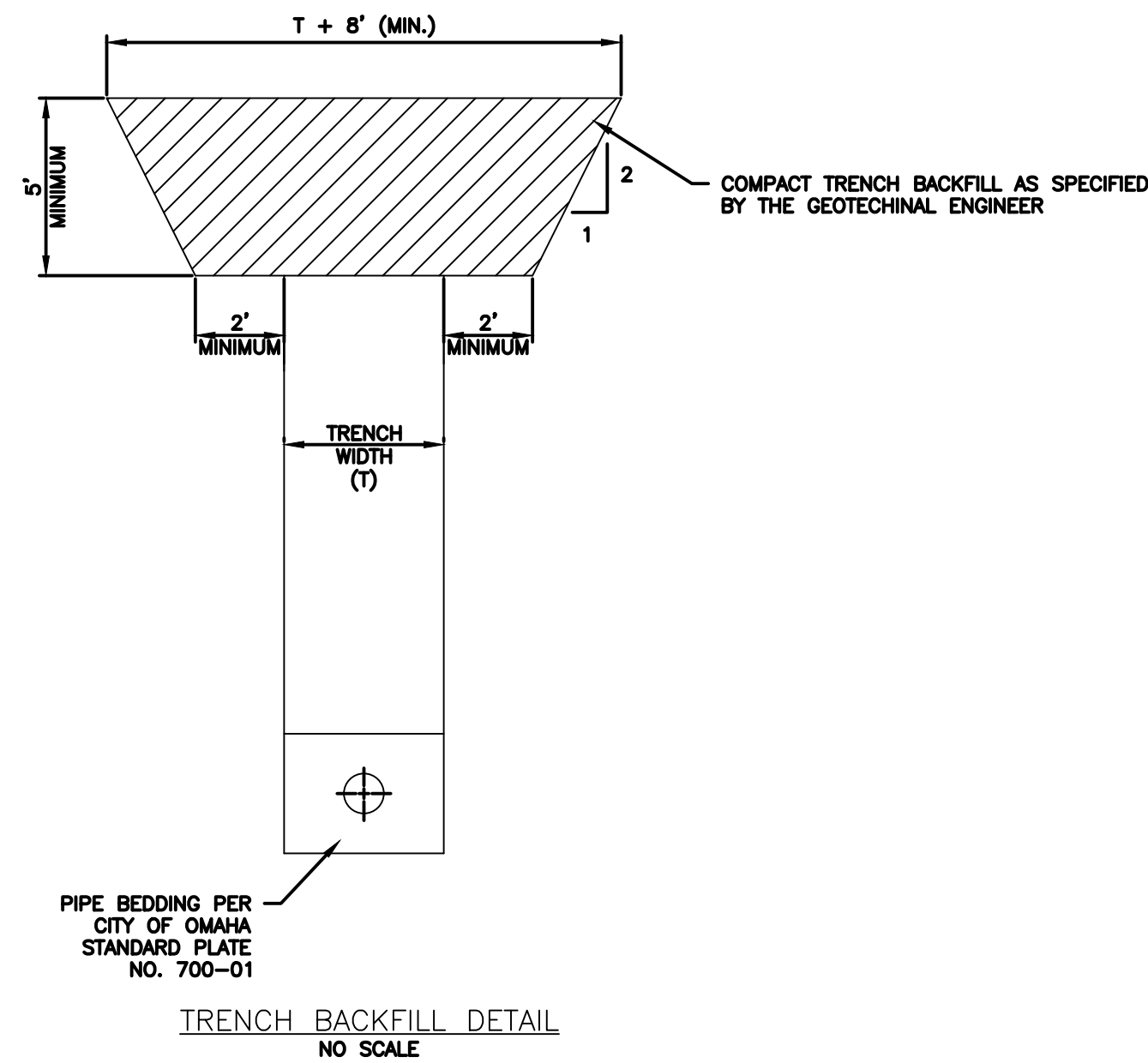
SOIL CONDITIONING

- THE PROJECT IS A LINEAR PROJECT IN NATURE AND SHALL BE CONSIDERED A MAINTENANCE PROJECT BY DEFINITION. WITH THE EXISTING UTILITIES AND STRUCTURES IN THE AREA OF THE PROJECT, THE BMP BE SUITED SHALL BE SOIL CONDITIONING.
- SOIL SHALL BE CONDITIONED IN LOCATIONS DISTURBED BY THE PROPOSED GRADING AND IMPROVEMENTS ASSOCIATED WITH THE PROJECT.
- EXISTING VEGETATION, INCLUDING TURF, SHALL BE REMOVED AND THE GROUND SHALL BE TILLED TO A MINIMUM DEPTH OF 6".
- A 3" LAYER OF ORGANIC COMPOST SHALL BE PLACED ON TOP OF THE TILLED GROUND AND SUBSEQUENTLY BE TILLED INTO A DEPTH OF 6" OF EXISTING SOIL. OMAGROW, IF AVAILABLE, IS AN ACCEPTABLE ALTERNATE FOR COMPOST. IF USED, ONLY A 2" LAYER OF OMAGROW IS REQUIRED.
- FINE GRADING OF THE SITE SHALL BE COMPLETED WITH NO MORE THAN TWO EQUIPMENT PASSES TO REDUCE THE POTENTIAL FOR SOIL COMPACTION.
- VEGETATIVE COVER SHALL BE ESTABLISHED IMMEDIATELY AFTER FINE GRADING.

ORGANIC COMPOST

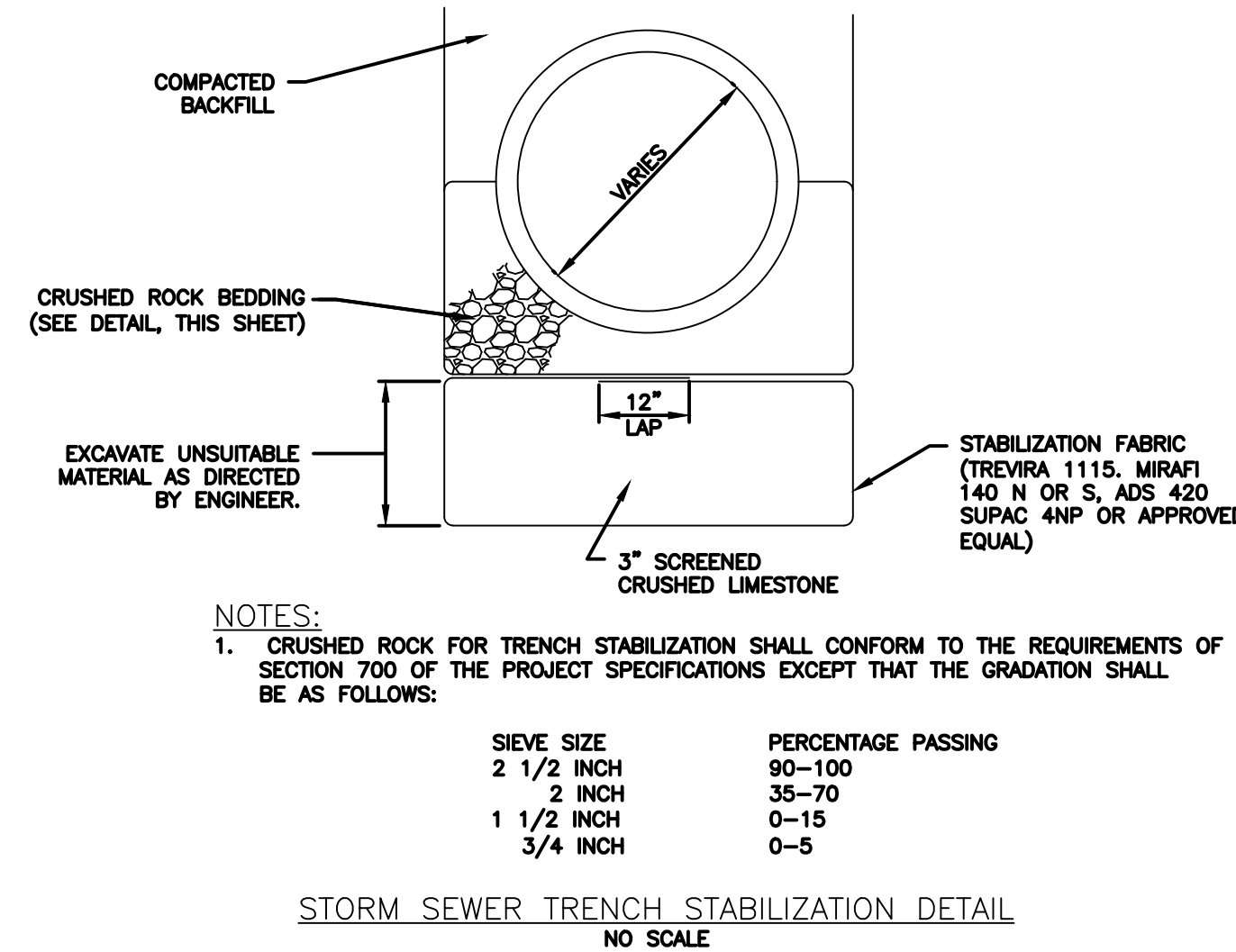
- ORGANIC COMPOST SHALL BE DERIVED FROM PLANT MATERIAL, SHALL BE WELL COMPOSTED, FREE OF VIABLE WEED SEEDS AND STABILIZED WITH REGARD TO OXYGEN CONSUMPTION AND CARBON DIOXIDE GENERATION. ANIMAL OR POULTRY MANURE SHALL NOT BE ACCEPTABLE.
- COMPOST SHALL HAVE A MOISTURE CONTENT THAT HAS NO VISIBLE FREE WATER OR DUST PRODUCED WHEN HANDLING THE MATERIAL.
- COMPOST CRITERIA:

	MIN.	MAX.
ORGANIC MATTER CONTENT	35%	65%
CARBON/NITROGEN RATIO	-	25:1
PH	6	8
BULK DENSITY (LBS/CU FT)	40	50

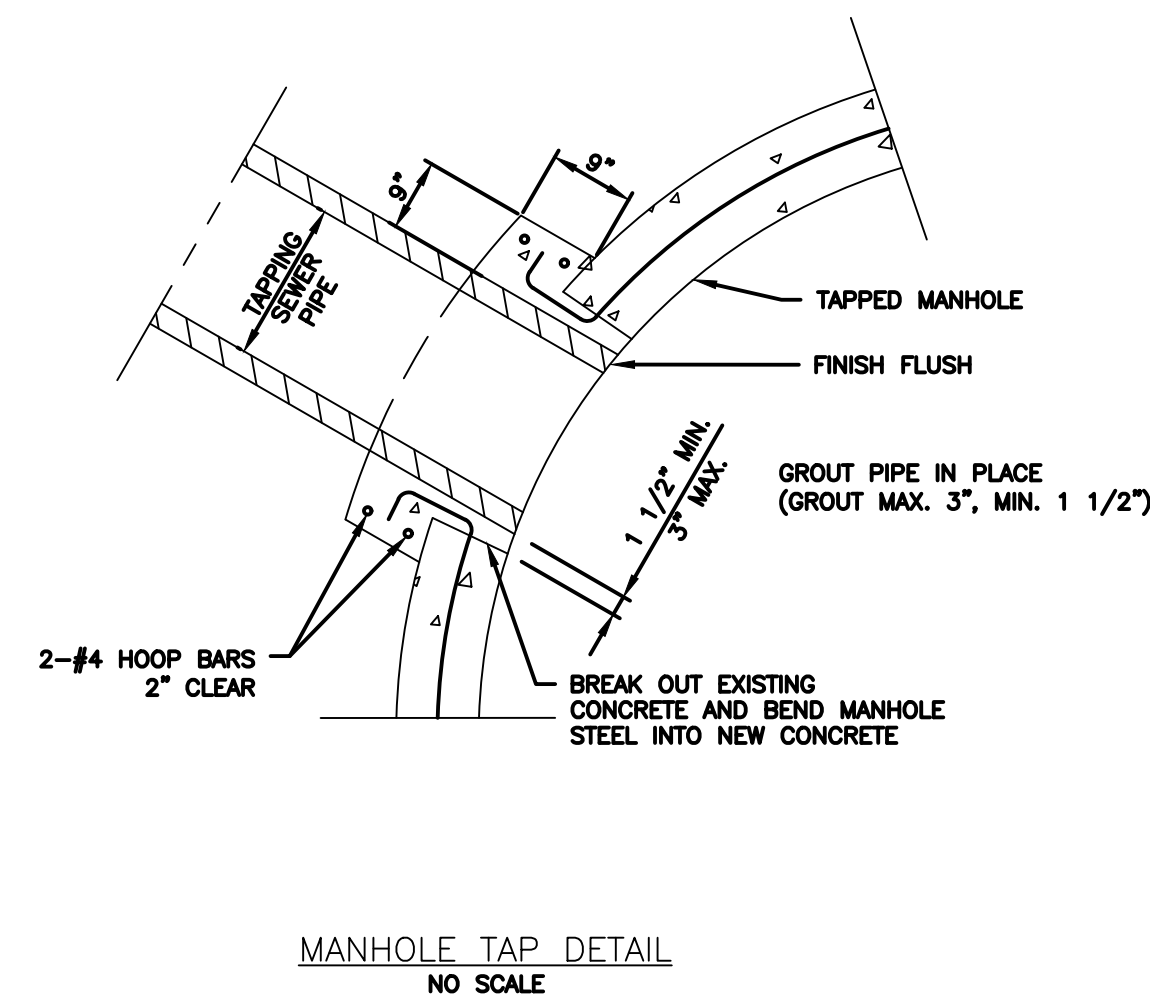
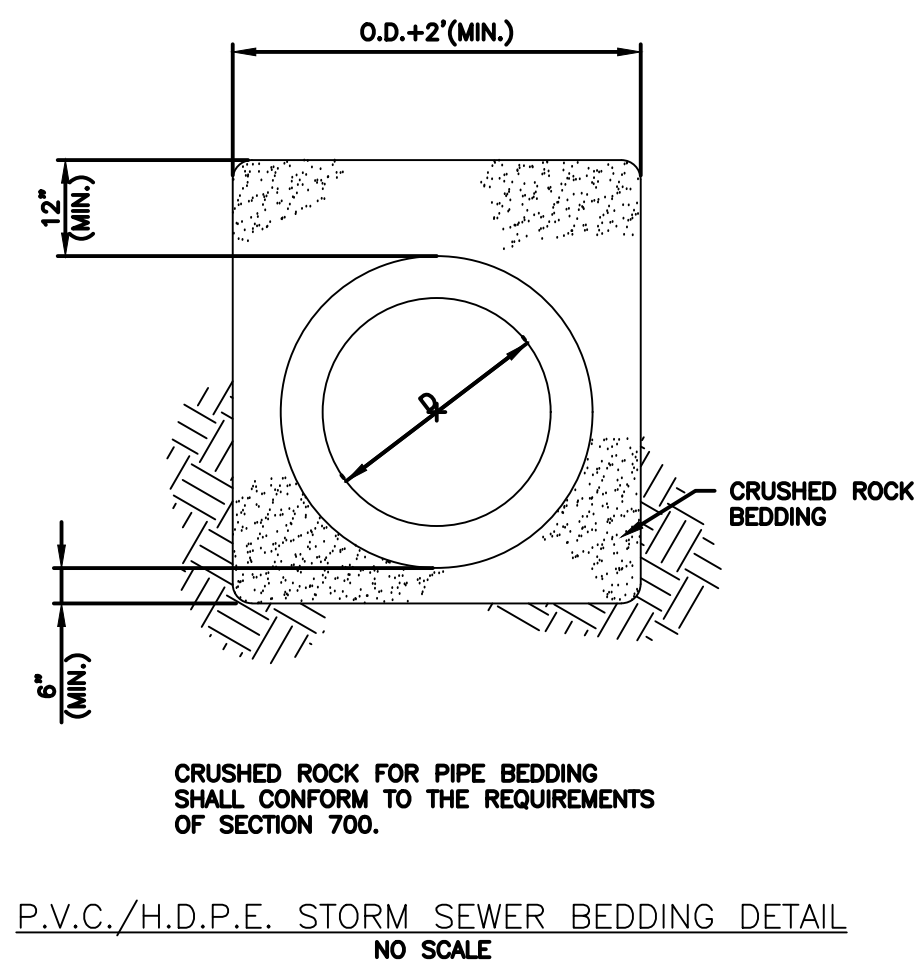
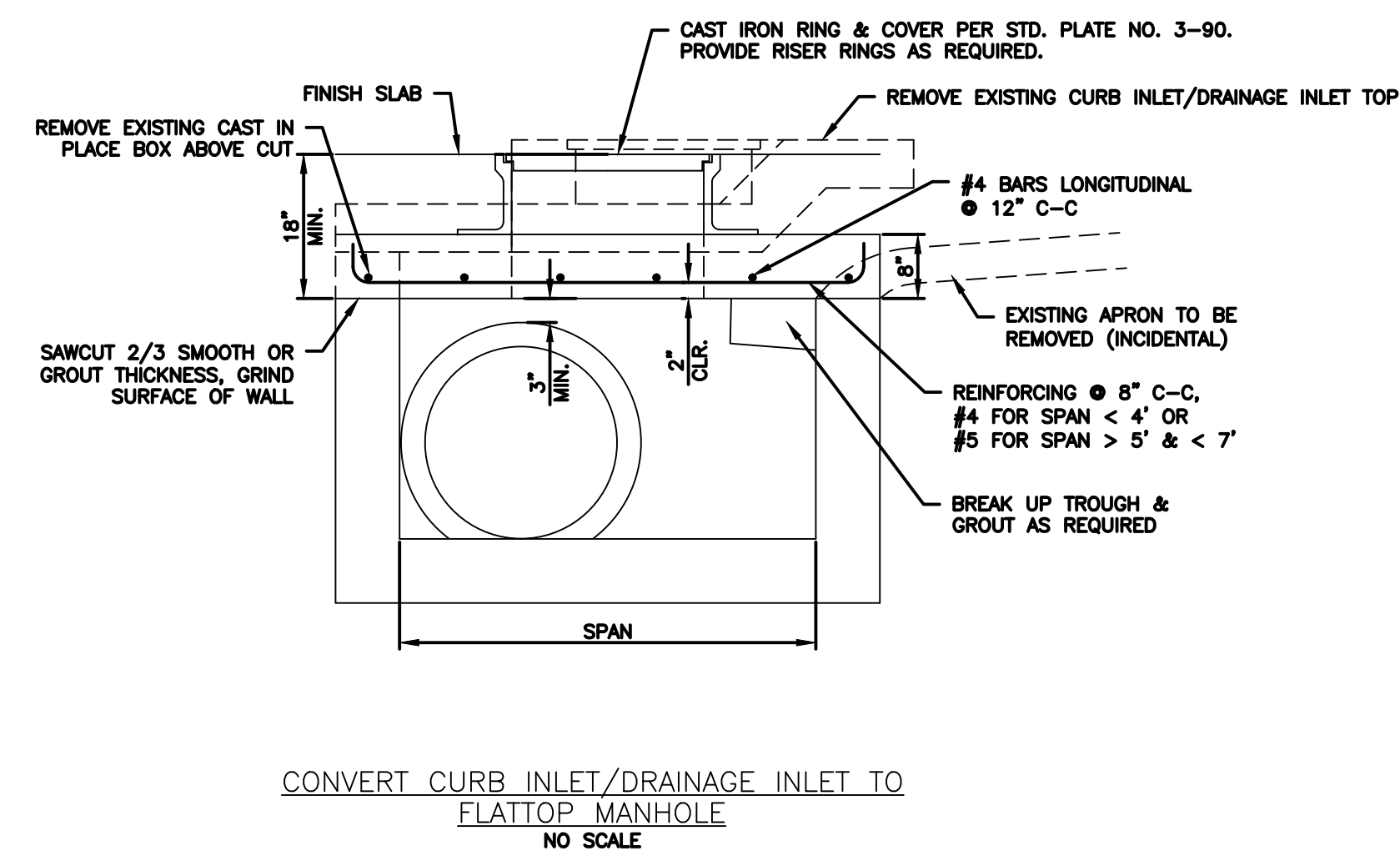


NOTES:

- GROUT SHALL BE FIVE STAR R SPECIAL GROUT 150 OR OTHER APPROVED NON-SHRINK, SULFATE-RESISTANT GROUT.
- TO PREVENT TRAFFIC OVER UNGROUTED MANHOLE PLACE TYPE II BARRICADE OVER MANHOLE DURING JOINT SAWING AND MAINTAIN BARRICADE UNTIL GROUT HAS REACHED 3000PSI COMPRESSIVE STRENGTH.



SIEVE SIZE	PERCENTAGE PASSING
2 1/2 INCH	90-100
2 INCH	35-70
1 1/2 INCH	0-15
3/4 INCH	0-5



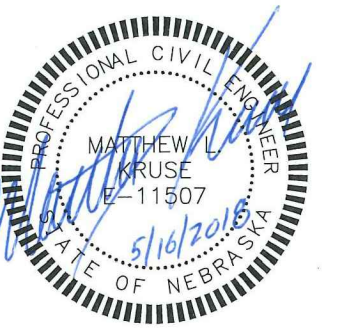
Omaha Metro-Creighton
University Multi-Modal
Facility
(Metro 2017 IDIQ -
Work Order #3)
Creighton University Campus, Omaha, Nebraska
100% DESIGN DEVELOPMENT



11422 Miracle Hills Drive
Omaha, Nebraska 68154
402-778-5025

Date: 2018/05/16

Project Name:
CU PEDESTRIAN
MALL DESIGN
Issued For / Phase:
CONSTRUCTION



Drawn By: MTK
Reviewed By: MLK
Revisions:

Date	No.	Remarks
06/01/18	1	ADDENDUM

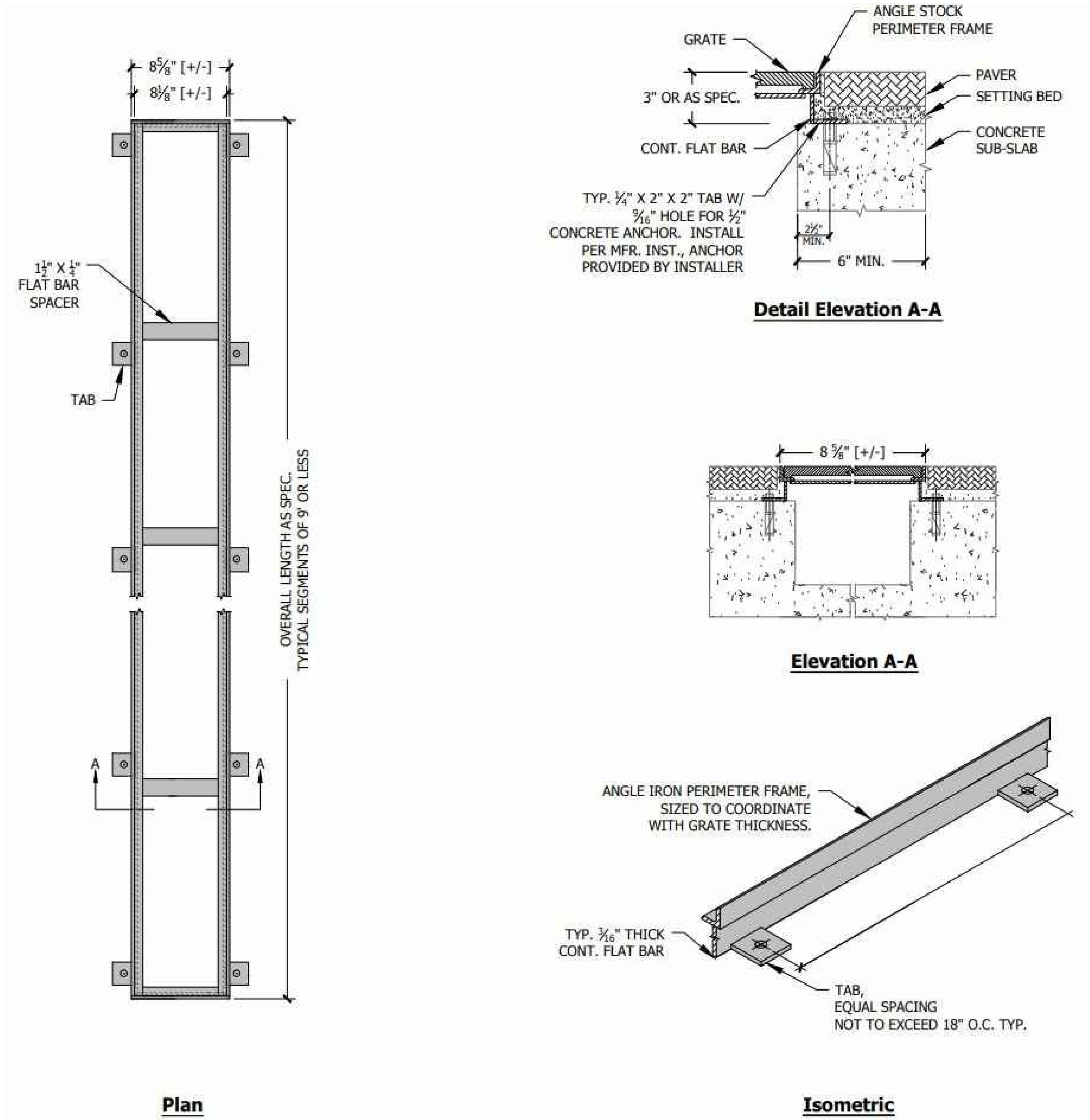
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**NOTES AND
DETAILS**

Sheet Number:
C-100

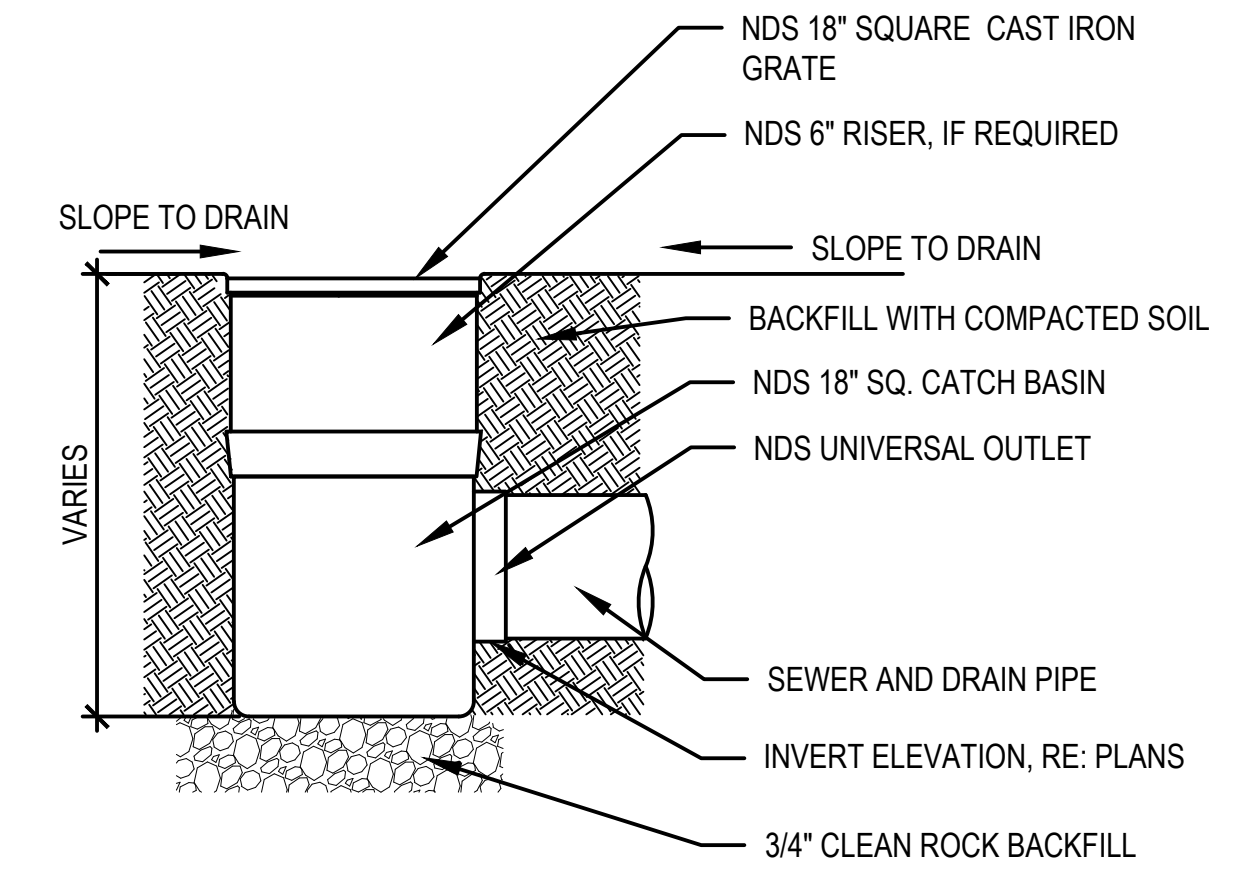


Drawn By: MTK
 Reviewed By: MLK
 Revisions:

Date	No.	Remarks
06/01/18	1	ADDENDUM



- NOTES:**
- TRENCH DRAIN CHANNEL SHALL BE 8" WIDE BY 17" DEEP (EXCLUDING GRATE ASSEMBLY) AT THE OUTLET (DOWNSTREAM) END, WITH THE DEPTH LINEARLY DECREASING AT A RATE OF 1.00% TO THE UPSTREAM END.
 - TRENCH DRAIN CHANNEL BASE SHALL CONSIST OF A 4" PCC CAST-IN-PLACE SLAB WHICH IS MONOLITHIC WITH THE ADJACENT CONCRETE BASE.
 - TRENCH DRAIN GRATE SHALL BE URBAN ACCESSORIES 8"x18" DOUBLE WAVE GRATE OR APPROVED EQUIVALENT.



INSTALL PER MANUFACTURERS RECOMMENDATION FOR PAVEMENT AND TURF AREAS.

CATCH BASIN DETAIL
NO SCALE

Date: 2018/05/16

Project Name:
CU PEDESTRIAN
MALL DESIGN
Issued For / Phase:
CONSTRUCTION



Drawn By: MTK
Reviewed By: MLK
Revisions:

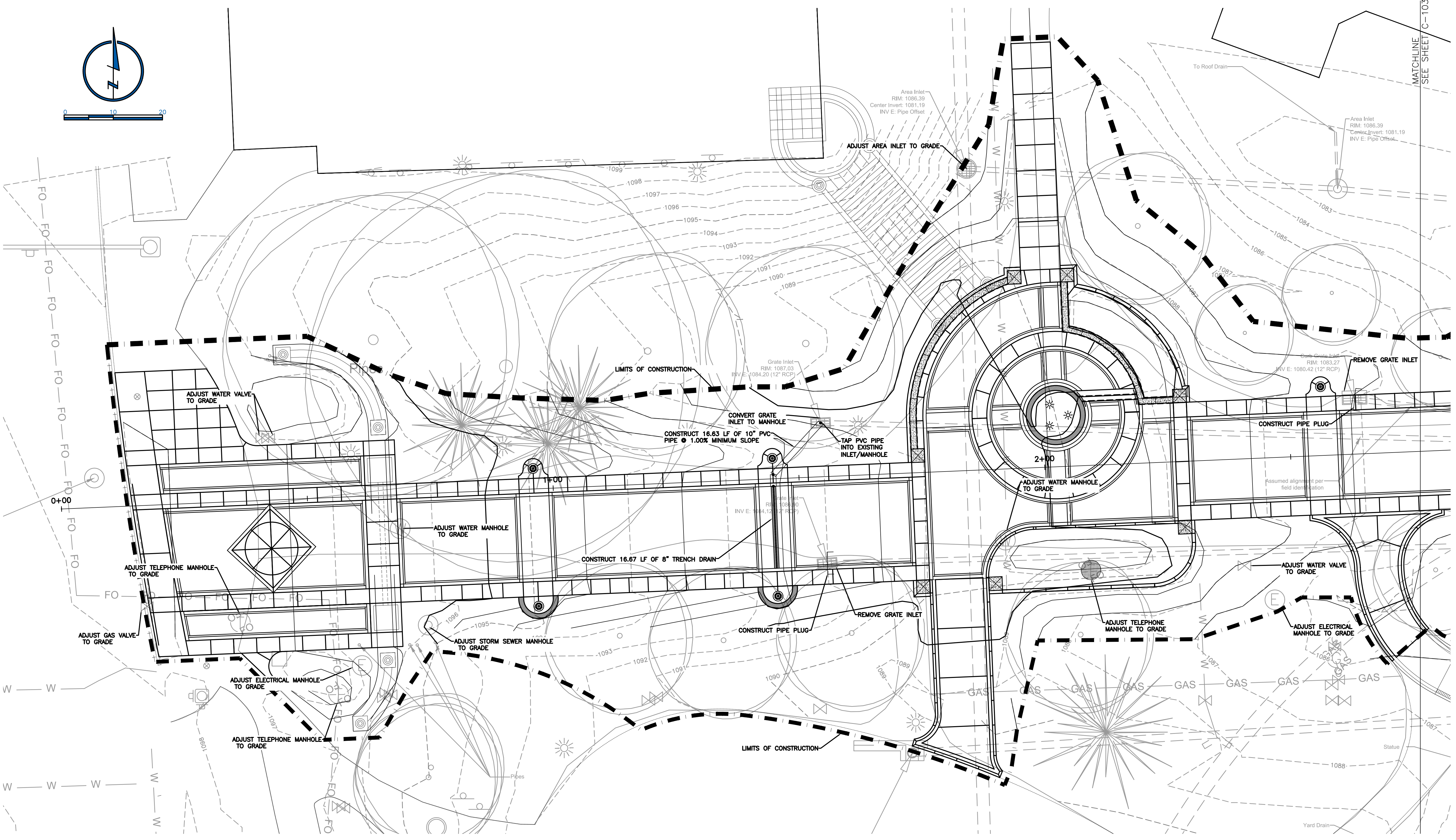
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06/01/18	1	ADDENDUM

Sheet Name:

**UTILITY PLAN
SHEET 1 OF 4**

Sheet Number:

C-102



GENERAL NOTES

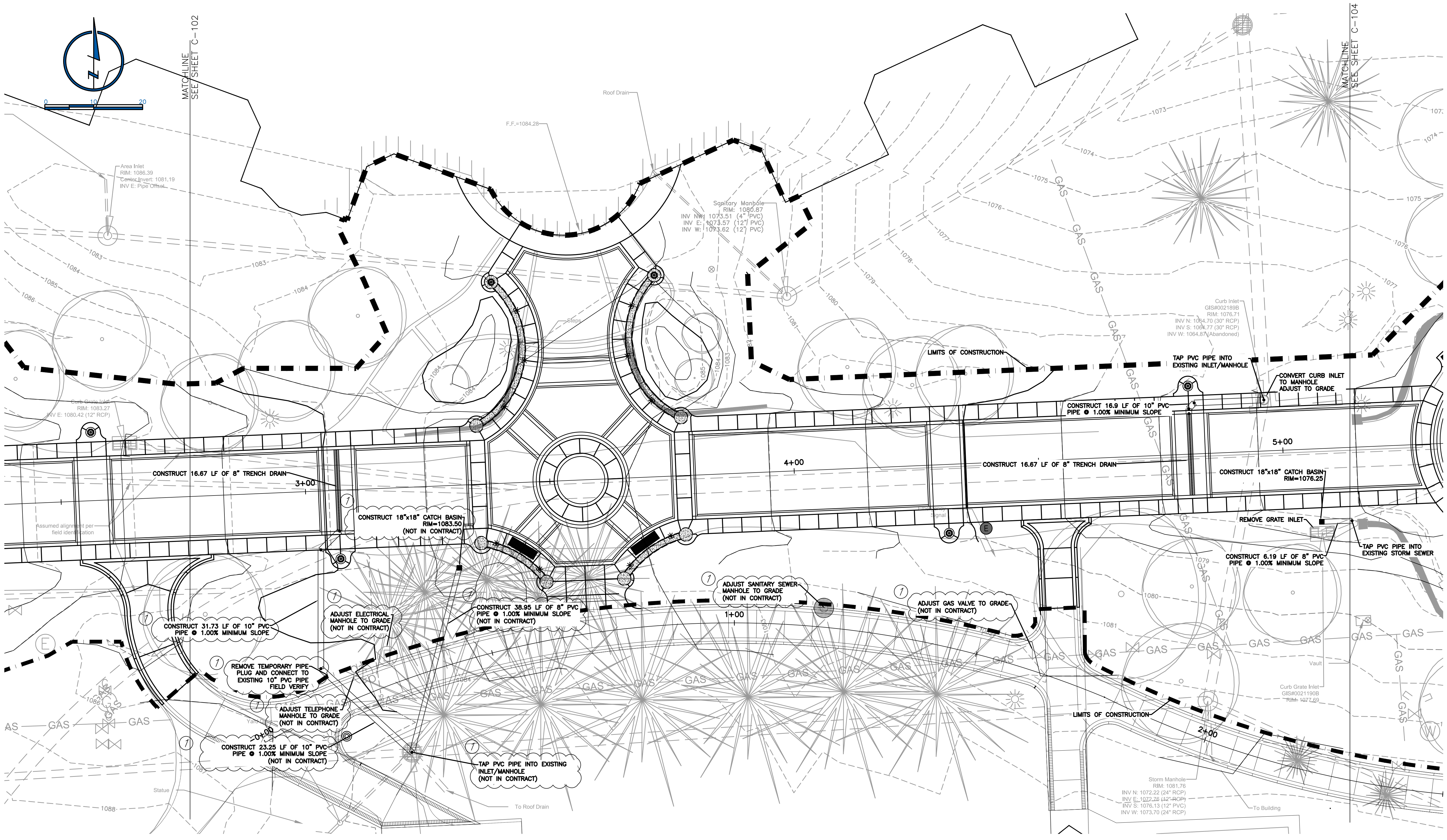
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2. SEE DETAIL SHEET C-101 FOR TRENCH DRAIN DETAILS.
3. SEE ELECTRICAL SHEETS FOR ELECTRICAL FIXTURE DEMO AND CONSTRUCTION.



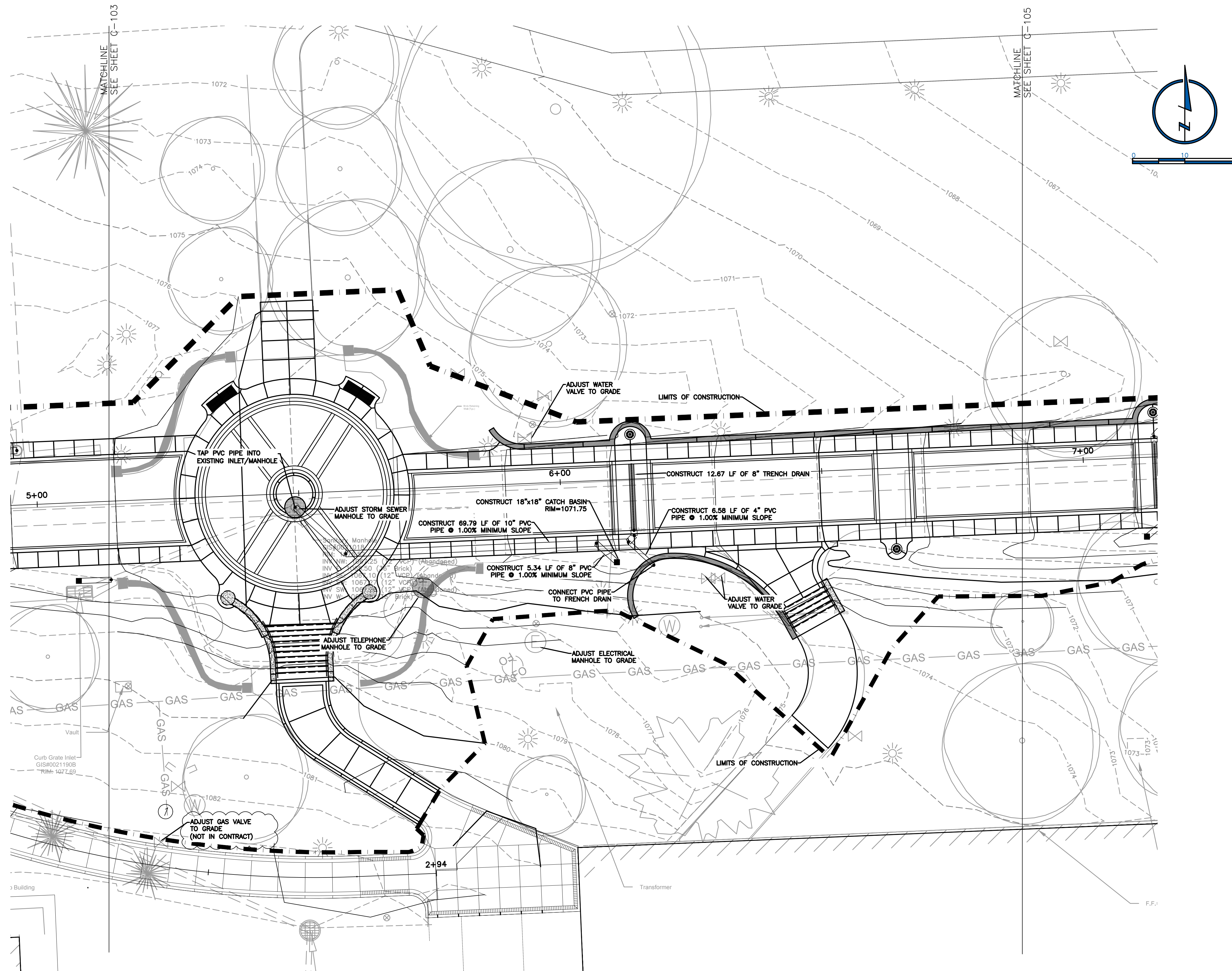
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Reviewed By: MLK
Revisions:

Date	No.	Remarks
06/01/18	1	ADDENDUM

Sheet Name:
**UTILITY PLAN
SHEET 2 OF 4**
Sheet Number:



- GENERAL NOTES**
1. FIELD VERIFY EXISTING UTILITIES PRIOR TO CONSTRUCTION. REPORT ANY FIELD DISCREPANCIES TO THE ENGINEER.
 2. SEE DETAIL SHEET C-101 FOR TRENCH DRAIN DETAILS.
 3. SEE ELECTRICAL SHEETS FOR ELECTRICAL FIXTURE DEMO AND CONSTRUCTION.



Date: 2018/05/16
 Project Name: CU PEDESTRIAN MALL DESIGN
 Issued For / Phase: CONSTRUCTION



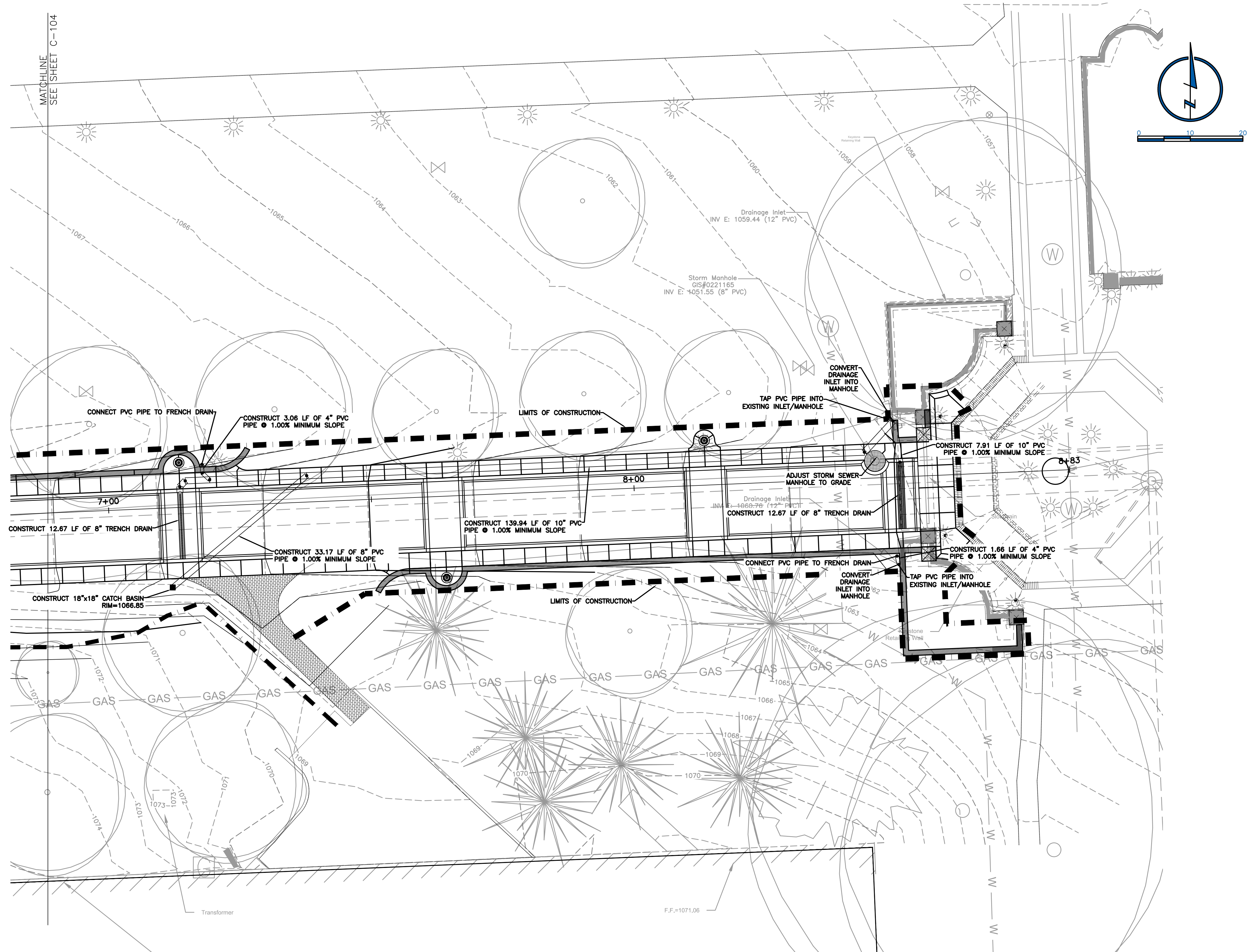
Drawn By: MTK
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 Revisions:

Date	No.	Remarks
06/01/18	1	ADDENDUM

Sheet Name:
UTILITY PLAN SHEET 3 OF 4
 Sheet Number:
C-104

- GENERAL NOTES**
- FIELD VERIFY EXISTING UTILITIES PRIOR TO CONSTRUCTION. REPORT ANY FIELD DISCREPANCIES TO THE ENGINEER.
 - SEE DETAIL SHEET C-101 FOR TRENCH DRAIN DETAILS.
 - SEE ELECTRICAL SHEETS FOR ELECTRICAL FIXTURE DEMO AND CONSTRUCTION.

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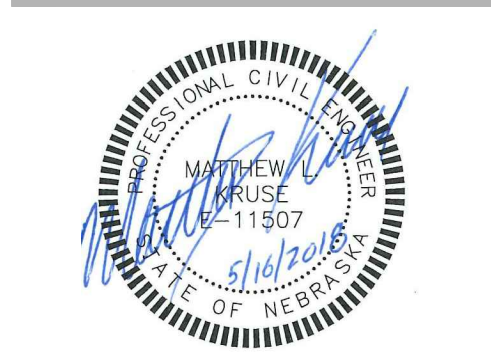


Omaha Metro-Creighton
University Multi-Modal
Facility
(Metro 2017 IDIQ -
Work Order #3)
Creighton University Campus, Omaha, Nebraska
100% DESIGN DEVELOPMENT

LAMP RYNEARSON
& ASSOCIATES
14710 West Dodge Road, Suite 100 402.496.2498 | P
Omaha, Nebraska 68154-2027 402.496.2700 | F
www.LRA-inc.com

SRE ENGINEERS
PLANNERS
DESIGNERS
Consulting Group, Inc.
11422 Miracle Hills Drive
Omaha, Nebraska 68154
402-778-5025

Date: 2018/05/16
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Issued For / Phase:
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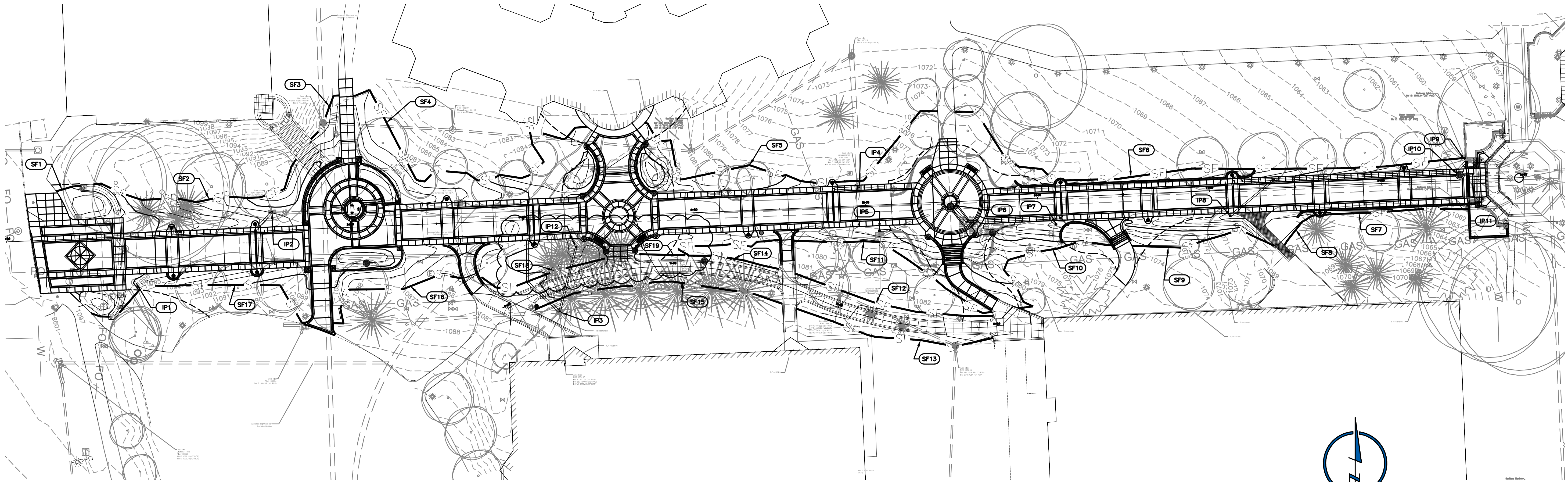


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Revisions:

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06/01/18	1	ADDENDUM

Sheet Name:
**UTILITY PLAN
SHEET 4 OF 4**
Sheet Number:
C-105

- GENERAL NOTES**
1. FIELD VERIFY EXISTING UTILITIES PRIOR TO CONSTRUCTION. REPORT ANY FIELD DISCREPANCIES TO THE ENGINEER.
 2. SEE DETAIL SHEET C-101 FOR TRENCH DRAIN DETAILS.
 3. SEE ELECTRICAL SHEETS FOR ELECTRICAL FIXTURE DEMO AND CONSTRUCTION.



STORM WATER POLLUTION PREVENTION KEYNOTES	
NUMBER	KEYNOTE
*	AS NEEDED OR DIRECTED BY THE ENGINEER THE CONTRACTOR SHALL INSTALL AND MAINTAIN A STABILIZED VEHICLE AND EQUIPMENT PARKING AREA. ALTERNATE LOCATION MUST BE APPROVED BY THE CONSTRUCTION ENGINEER.
*	AS NEEDED OR DIRECTED BY THE ENGINEER JOB TRAILER TO BE LOCATED AS SHOWN; ALTERNATE LOCATION MUST BE APPROVED BY THE CONSTRUCTION ENGINEER.
*	AS NEEDED OR DIRECTED BY THE ENGINEER THE CONTRACTOR SHALL INSTALL AND MAINTAIN A SANITARY WASTE RECEPTACLE PER STANDARD SPECIFICATION 9.6.2, OMAHA REGIONAL STORMWATER DRAINAGE MANUAL. ALTERNATE LOCATION MUST BE APPROVED BY THE CONSTRUCTION ENGINEER.
*	AS NEEDED OR DIRECTED BY THE ENGINEER THE CONTRACTOR SHALL INSTALL AND MAINTAIN A SOLID WASTE RECEPTACLE PER STANDARD SPECIFICATION 9.6.3, OMAHA REGIONAL STORMWATER DRAINAGE MANUAL. ALTERNATE LOCATION MUST BE APPROVED BY THE CONSTRUCTION ENGINEER.
*	AS NEEDED OR DIRECTED BY THE ENGINEER THE CONTRACTOR SHALL INSTALL AND MAINTAIN A DESIGNATED VEHICLE AND EQUIPMENT FUELING AREA PER STANDARD SPECIFICATION 9.6.6, OMAHA REGIONAL STORMWATER DRAINAGE MANUAL. ALTERNATE LOCATION MUST BE APPROVED BY THE CONSTRUCTION ENGINEER.
*	AS NEEDED OR DIRECTED BY THE ENGINEER THE CONTRACTOR SHALL INSTALL AND MAINTAIN A DESIGNATED MATERIAL DELIVERY AND STORAGE AREA PER STANDARD SPECIFICATION 9.6.4, OMAHA REGIONAL STORMWATER DRAINAGE MANUAL. ALTERNATE LOCATION MUST BE APPROVED BY THE CONSTRUCTION ENGINEER.
*	CONTRACTOR SHALL INSTALL AND MAINTAIN A STABILIZED CONSTRUCTION ENTRANCE PER STANDARD SPECIFICATION 9.5.5, OMAHA REGIONAL STORMWATER DRAINAGE MANUAL.
*	CONTRACTOR SHALL SEED AND MULCH ALL DISTURBED AREAS OUTSIDE OF R.O.W. WITH TYPE "TEMPORARY SEED MIX" AFTER WORK IS COMPLETE. CONTRACTOR SHALL NOT DO ANY OF THIS WORK WITHOUT APPROVAL FROM OWNER OR ENGINEER.
IP1-IPX	CONTRACTOR SHALL INSTALL AND MAINTAIN INLET PROTECTION AS SHOWN PER STANDARD SPECIFICATION 9.5.5, OMAHA REGIONAL STORMWATER DRAINAGE MANUAL.
SF1-SFX	CONTRACTOR SHALL INSTALL AND MAINTAIN SILT FENCE AS SHOWN PER STANDARD SPECIFICATION 9.5.4, OMAHA REGIONAL STORMWATER DRAINAGE MANUAL.
LT1- LTX	CONTRACTOR SHALL INSTALL AND MAINTAIN A LEVEL TERRACE PER STANDARD SPECIFICATION 9.5.9, OMAHA REGIONAL STORMWATER DRAINAGE MANUAL.
WQ1-WQX	CONTRACTOR SHALL INSTALL AND MAINTAIN TEMPORARY SEDIMENT BASIN, THESE BASINS WILL BE CONVERTED TO PERMANENT WATER QUALITY PONDS AT A LATER DATE.
M1-MX	CONTRACTOR SHALL INSTALL AND MAINTAIN ROLLED EROSION CONTROL TYPE II PER SECTION 9.5.24 OF THE OMAHA REGIONAL STORM WATER MANUAL. ROLLED EROSION CONTROL SHALL BE NORTH AMERICAN GREEN SC150 OR APPROVED EQUIVALENT. CONTRACTOR SHALL NOT DO ANY OF THIS WORK WITHOUT APPROVAL FROM OWNER OR ENGINEER.

*TO BE DETERMINED IN THE FIELD BY THE CONSTRUCTION ENGINEER, OWNER, AND GENERAL CONTRACTOR.

NOTES

1. COMPACTION REQUIREMENTS WILL BE DETERMINED BY THE GEOTECHNICAL ENGINEER.
2. PROPOSED CONTOURS ARE FINISHED GRADE/TOP OF PAVEMENT ELEVATIONS. NOT SUBGRADE ELEVATIONS.
3. ALL SPOT ELEVATIONS IN PAVEMENT ARE TOP OF SLAB UNLESS NOTED OTHERWISE.
4. SF12-SF15, SF18-SF19, IP3, AND IP12 SHALL BE INSTALLED UNDER A SEPARATE CONTRACT BEFORE CONSTRUCTION BEGINS. CONTRACTOR SHALL MAINTAIN SILT FENCE IN THESE LOCATIONS FOR DURATION OF THE PROJECT.

NOTE:
THESE EROSION CONTROL DEVICES ARE SHOWN IN PROPOSED LOCATIONS. IF THE CONTRACTOR WISHES TO USE ALTERNATE LOCATIONS IT MUST BE APPROVED BY THE CONSTRUCTION ENGINEER.

EROSION CONTROL SUMMARY TABLE	
EROSION CONTROL MEASURES:	SILT FENCE, ROCK ACCESS ROAD, AND INLET PROTECTION



Drawn By: MTK
Reviewed By: MLK
Revisions:

Date	No.	Remarks
06/01/18	1	ADDENDUM

Sheet Name:
EROSION CONTROL PLAN

Sheet Number:
C-106

GENERAL NOTES

1. ALL OPERATORS/CONTRACTORS MUST CONFIRM WITH THE APPLICANT THAT ANY AND ALL APPLICABLE GOVERNMENTAL APPROVALS HAVE BEEN RECEIVED PRIOR TO THE START OF WORK.
2. BMP'S MAY NOT BE REMOVED WITHOUT INSPECTOR AND APPLICABLE GOVERNMENTAL APPROVAL.
3. THE APPLICANT, INSPECTOR, AND CONTRACTORS/OPERATORS MUST ADHERE TO ALL GOOD HOUSEKEEPING BMP'S PRESENTED WITHIN THE OMAHA REGIONAL STORMWATER DESIGN MANUAL CHAPTER 9 SECTION 9.5. GOOD HOUSEKEEPING BMP'S FOCUS ON KEEPING THE WORK SITE CLEAN AND ORDERLY WHILE HANDLING MATERIALS AND WASTE IN A MANNER THAT ELIMINATES THE POTENTIAL FOR POLLUTANT RUNOFF. GOOD HOUSEKEEPING BMP'S SUCH AS SANITARY WASTE MANAGEMENT (9.6.2), SOLID WASTE MANAGEMENT (9.6.3), MATERIAL DELIVERY & STORAGE (9.6.4), STREET CLEANING / SWEEPING (9.6.5), AND VEHICLE & EQUIPMENT FUELING (9.6.6) MUST BE ADDRESSED WHEN APPLICABLE. THE AFOREMENTIONED PUBLICATION CAN BE FOUND AT [HTTP://WWW.OMAHASTORMWATER.ORG](http://www.omahastormwater.org).

BMP'S MAINTENANCE SCHEDULE

THE FOLLOWING MAINTENANCE SCHEDULE HAS BEEN PROVIDED. THE INSPECTOR MUST PERFORM THE INSPECTIONS. THE OPERATOR/CONTRACTOR MUST PERFORM ALL NEEDED MAINTENANCE. FURTHERMORE, ALL EROSION CONTROL FEATURE REQUIRING MAINTENANCE MAY NOT BE LISTED BELOW. THE OPERATOR/CONTRACTOR AND INSPECTOR MUST PERFORM THEIR RESPECTIVE DUTIES ON ALL BMP'S THAT ARE NOT LISTED BELOW AS WELL.

1. **CONSTRUCTION ENTRANCE** – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR THE WASHING AND REWORKING OF EXISTING STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY. THE USE OF WATER TRUCKS TO REMOVE MATERIALS DROPPED, WASHED, OR TRACKED ONTO ROADWAYS WILL NOT BE PERMITTED UNDER ANY CIRCUMSTANCES.
2. **SILT FENCE** – THE MAINTENANCE MEASURES ARE AS FOLLOWS: (2.1) SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY; (2.2) CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED SILT FENCE RESULTING FROM END RUNS AND UNDERCUTTING; (2.3) SHOULD THE FABRIC ON A SILT FENCE DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER IS STILL NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY; (2.4) SEDIMENT DEPOSITS MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER; AND (2.5) ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.
3. **STORM DRAIN INLET PROTECTION** – THE MAINTENANCE MEASURES ARE AS FOLLOWS: (3.1) STRUCTURES SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NECESSARY AND (3.2) STRUCTURES SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE REMAINING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
4. **TEMPORARY SEEDING** – AREAS WHICH FAIL TO ESTABLISH VEGETATIVE COVER ADEQUATE TO PREVENT RILL EROSION WILL BE RE-SEEDED AS SOON AS SUCH AREAS ARE IDENTIFIED. CONTROL WEEDS BY MOWING.
5. **PERMANENT SEEDING** – THE MAINTENANCE MEASURES ARE AS FOLLOWS: (9.1) IN GENERAL, A STAND OF VEGETATION CANNOT BE DETERMINED TO BE FULLY ESTABLISHED UNTIL IT HAS BEEN MAINTAINED FOR ONE FULL YEAR AFTER PLANNING; (9.2) NEW SEEDLINGS SHALL BE SUPPLIED WITH ADEQUATE MOISTURE, SUPPLY WATER AS NEEDED, ESPECIALLY LATE IN THE SEASON, IN ABNORMALLY HOT OR DRY CONDITIONS, OR ON ADVERSE SITES, WATER APPLICATIONS SHALL BE CONTROLLED TO PREVENT EXCESSIVE RUNOFF; (9.3) INSPECT ALL SEEDED AREAS FOR FAILURES AND MAKE NECESSARY REPAIRS, REPLACEMENTS, AND RESEEDINGS WITHIN THE PLANTING SEASON, IF POSSIBLE; [9.3.A] IF STAND IS INADEQUATE FOR EROSION CONTROL, OVER SEED AND FERTILIZE USING HALF OF THE RATES ORIGINALLY SPECIFIED; [9.3.B] IF STAND IS 60% DAMAGED, RE-ESTABLISH FOLLOWING SEEDBED AND SEEDING RECOMMENDATIONS; [9.3.C] IF STAND HAS LESS THAN 40% COVER, RE-EVALUATE CHOICE OF PLANT MATERIALS AND QUANTITIES OF LIME AND FERTILIZER, THE SOIL MUST BE TESTED TO DETERMINE IF ACIDITY OR NUTRIENT IMBALANCES ARE RESPONSIBLE, RE-ESTABLISH THE STAND FOLLOWING SEEDBED AND SEEDING RECOMMENDATIONS.
6. **MULCHING** – ALL MULCHES AND SOIL COVERINGS SHOULD BE INSPECTED PERIODICALLY (PARTICULARLY AFTER RAINSTORMS) TO CHECK FOR EROSION. WHERE EROSION IS OBSERVED IN MULCHED AREAS, ADDITIONAL MULCH SHOULD BE APPLIED. NETS AND MATS SHOULD BE INSPECTED AFTER RAINSTORMS FOR DISLOCATION OR FAILURE. IF WASHOUTS OR BREAKAGE OCCUR, REINSTALL NETTING OR MATTING AS NECESSARY AFTER REPAIRING DAMAGE TO THE SLOPE OR DITCH. INSPECTIONS SHOULD TAKE PLACE UNTIL GRASSES ARE FIRMLY ESTABLISHED. WHERE MULCH IS USED IN CONJUNCTION WITH ORNAMENTAL PLANTINGS, INSPECT PERIODICALLY THROUGHOUT THE YEAR TO DETERMINE IF MULCH IS MAINTAINING COVERAGE OF THE SOIL SURFACE; REPAIR AS NEEDED.
7. **SOIL STABILIZATION BLANKETS & MATTING** – ALL SOIL STABILIZATION BLANKETS AND MATTING SHOULD BE INSPECTED PERIODICALLY FOLLOWING INSTALLATION, PARTICULARLY AFTER RAINSTORMS TO CHECK FOR EROSION AND UNDERMINING. ANY DISLOCATION OR FAILURE SHOULD BE REPAIRED IMMEDIATELY. IF WASHOUTS OR BREAKAGE OCCURS, REINSTALL THE MATERIAL AFTER REPAIRING DAMAGE TO THE SLOPE OR DITCH. CONTINUE TO MONITOR THESE AREAS UNTIL WHICH TIME THEY BECOME PERMANENTLY STABILIZED; AT THAT TIME AN ANNUAL INSPECTIONS SHOULD BE ADEQUATE.
8. **STREET CLEANING / SWEEPING** – THE MAINTENANCE MEASURES ARE AS FOLLOWS: (12.1) EVALUATE ACCESS POINTS DAILY FOR SEDIMENT TRACKING; (12.2) WHEN TRACKED OR SPILLED SEDIMENT IS FOUND ON PAVED SURFACES, IT WILL BE REMOVED DAILY DURING TIMES OF HEAVY TRACK-OUT SUCH AS DURING RAIN; CLEANING MAY BE DONE SEVERAL TIMES THROUGHOUT THE DAY; (12.3) UNKNOWN SPILLS OR OBJECTS WILL NOT BE MIXED WITH THE SEDIMENT; AND (12.4) IF SEDIMENT IS MIXED WITH OTHER POLLUTANTS, IT WILL BE DISPOSED OF PROPERLY AT AN AUTHORIZED LANDFILL.

STANDARD DETAILS

NUMBER	NAME	LOCATION
9.5.2	CONSTRUCTION ENTRANCE	OMAHA REGIONAL STORMWATER DESIGN MANUAL
9.5.4	SILT FENCE	OMAHA REGIONAL STORMWATER DESIGN MANUAL
9.5.5	STORM DRAIN INLET PROTECTION	OMAHA REGIONAL STORMWATER DESIGN MANUAL
9.5.7	TEMPORARY DIVERSION DIKE	OMAHA REGIONAL STORMWATER DESIGN MANUAL
9.5.8	TEMPORARY FILL DIVERSION	OMAHA REGIONAL STORMWATER DESIGN MANUAL
9.5.14	TEMPORARY SEDIMENT TRAP	OMAHA REGIONAL STORMWATER DESIGN MANUAL
9.5.15	TEMPORARY SEDIMENT BASIN	OMAHA REGIONAL STORMWATER DESIGN MANUAL
9.5.16	DUST CONTROL	OMAHA REGIONAL STORMWATER DESIGN MANUAL
9.5.19	TEMPORARY SEEDING	OMAHA REGIONAL STORMWATER DESIGN MANUAL
9.5.20	PERMANENT SEEDING	OMAHA REGIONAL STORMWATER DESIGN MANUAL
9.5.22	MULCHING	OMAHA REGIONAL STORMWATER DESIGN MANUAL
9.5.23	SOIL STABILIZATION BLANKETS & MATTING	OMAHA REGIONAL STORMWATER DESIGN MANUAL
9.6.2	SANITARY WASTE MANAGEMENT	OMAHA REGIONAL STORMWATER DESIGN MANUAL
9.6.3	SOLID WASTE MANAGEMENT	OMAHA REGIONAL STORMWATER DESIGN MANUAL
9.6.4	MATERIAL DELIVERY AND STORAGE	OMAHA REGIONAL STORMWATER DESIGN MANUAL
9.6.5	STREET CLEANING / SWEEPING	OMAHA REGIONAL STORMWATER DESIGN MANUAL
9.6.6	VEHICLE AND EQUIPMENT FUELING	OMAHA REGIONAL STORMWATER DESIGN MANUAL
9.6.7	SWPPP NOTIFICATION SIGN	OMAHA REGIONAL STORMWATER DESIGN MANUAL

THE OMAHA REGIONAL STORMWATER DESIGN MANUAL CAN BE FOUND AT [HTTP://WWW.OMAHASTORMWATER.ORG](http://www.omahastormwater.org).

BMP RESPONSIBILITY TABLE			
MAJOR ACTIVITY	CONTROL MEASURES	TIMING	RESPONSIBLE PARTY
GRADING	ROCK ACCESS ROAD	PRIOR TO STRIPPING	GENERAL CONTRACTOR
	SILT BASINS	PRIOR TO STRIPPING	GENERAL CONTRACTOR
	SILT FENCE	PRIOR TO STRIPPING	GENERAL CONTRACTOR
	TRASH CONTAINERS	PRIOR TO STRIPPING	GENERAL CONTRACTOR
	RESTROOM FACILITIES	PRIOR TO STRIPPING	GENERAL CONTRACTOR
	FUEL CONTAINMENT	PRIOR TO STRIPPING	GENERAL CONTRACTOR
	AREA CLEANUP OF ANY TRACKED MUD/DIRT FROM ADJACENT STREETS	DAILY	GENERAL CONTRACTOR
	USE OF WATER TRUCK TO CONTROL WINDBLOWN DUST	AS OFTEN AS NEEDED AND AS RECOMMENDED BY INSPECTOR	GENERAL CONTRACTOR
SEWERS	CONTINUE TO UTILIZE AND MAINTAIN ITEMS LISTED UNDER GRADING CONTROL MEASURES	AS OFTEN AS NEEDED AND AS RECOMMENDED BY INSPECTOR	GENERAL CONTRACTOR
PAVING	CONTINUE TO UTILIZE AND MAINTAIN ITEMS LISTED UNDER GRADING CONTROL MEASURES	AS OFTEN AS NEEDED AND AS RECOMMENDED BY INSPECTOR	GENERAL CONTRACTOR
	CLEAN ONSITE PAVEMENT TO REMOVE MUD AND DIRT	AS OFTEN AS NEEDED AND AS RECOMMENDED BY INSPECTOR	GENERAL CONTRACTOR
WATER, POWER, GAS AND UTILITIES	CONTINUE TO UTILIZE AND MAINTAIN ITEMS LISTED UNDER GRADING, SEWERS AND PAVING	AS OFTEN AS NEEDED AND AS RECOMMENDED BY INSPECTOR	GENERAL CONTRACTOR
	CLEAN ONSITE PAVEMENT TO REMOVE MUD/DIRT FROM ADJACENT STREETS	PRIOR TO DISTURBANCE OF LOT	GENERAL CONTRACTOR
BUILDING CONSTRUCTION	PERIODIC STREET SWEEPING TO MANAGE SEDIMENTATION	AS OFTEN AS NEEDED TO PREVENT MIGRATION OF SEDIMENT	GENERAL CONTRACTOR



Omaha Metro – Creighton University Multi-Modal Facility
 (Metro 2017 IDIQ - Work Order #3)
 Creighton University Campus, Omaha, Nebraska
 100% DESIGN DEVELOPMENT

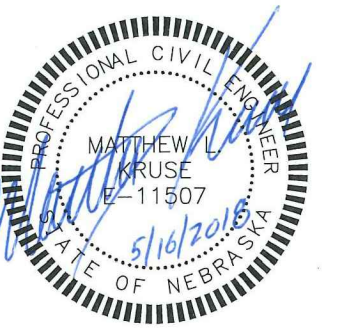


14710 West Dodge Road, Suite 100 402.496.2098 | F
 Omaha, Nebraska 68154-2027 402.496.2700 | F
www.LRA-Inc.com



11422 Miracle Hills Drive
 Omaha, Nebraska 68154
 402-778-5025

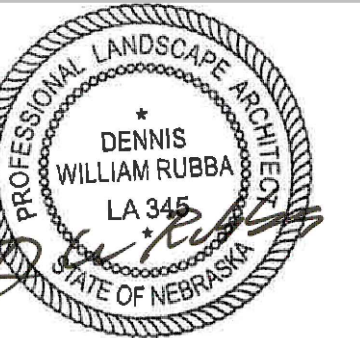
Date: 2018/05/16
 Project Name:
CU PEDESTRIAN MALL DESIGN
 Issued For / Phase:
CONSTRUCTION



Drawn By: MTK
 Reviewed By: MLK
 Revisions:

Date	No.	Remarks
06/01/18	1	ADDENDUM

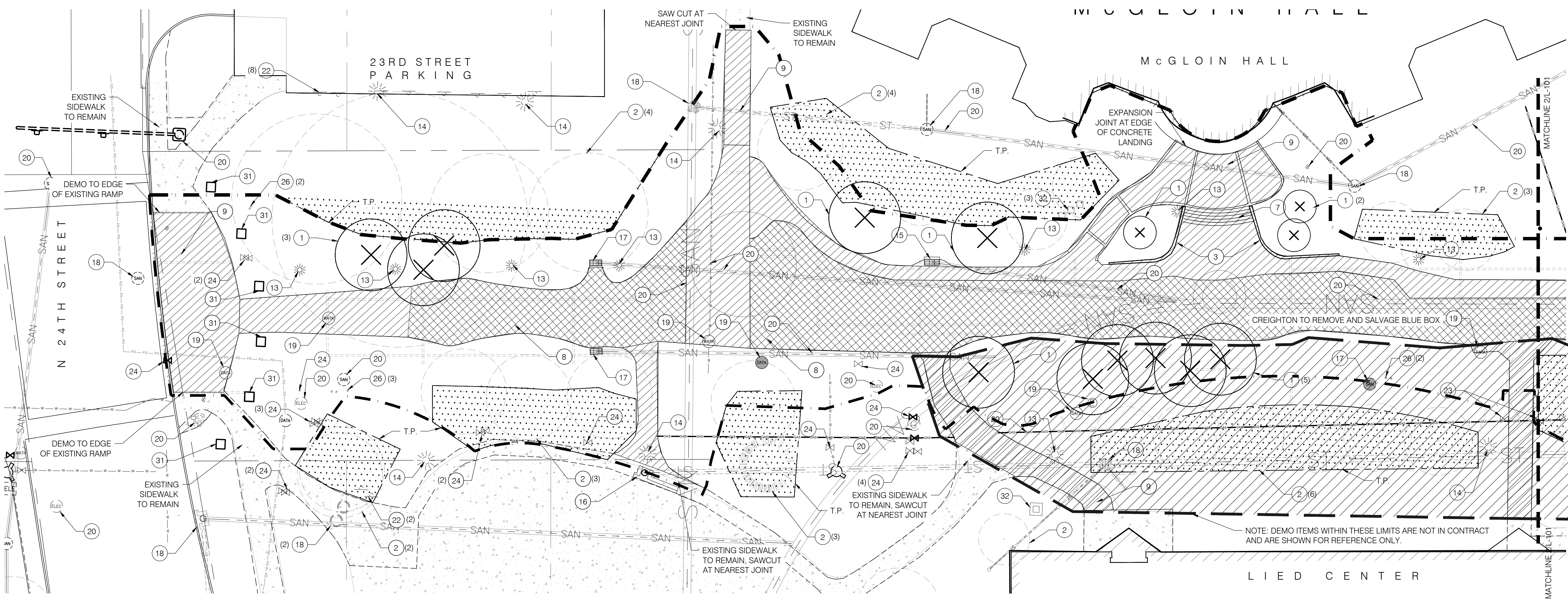
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Drawn By: KN
Reviewed By: MSS
Revisions:

Date	No.	Remarks
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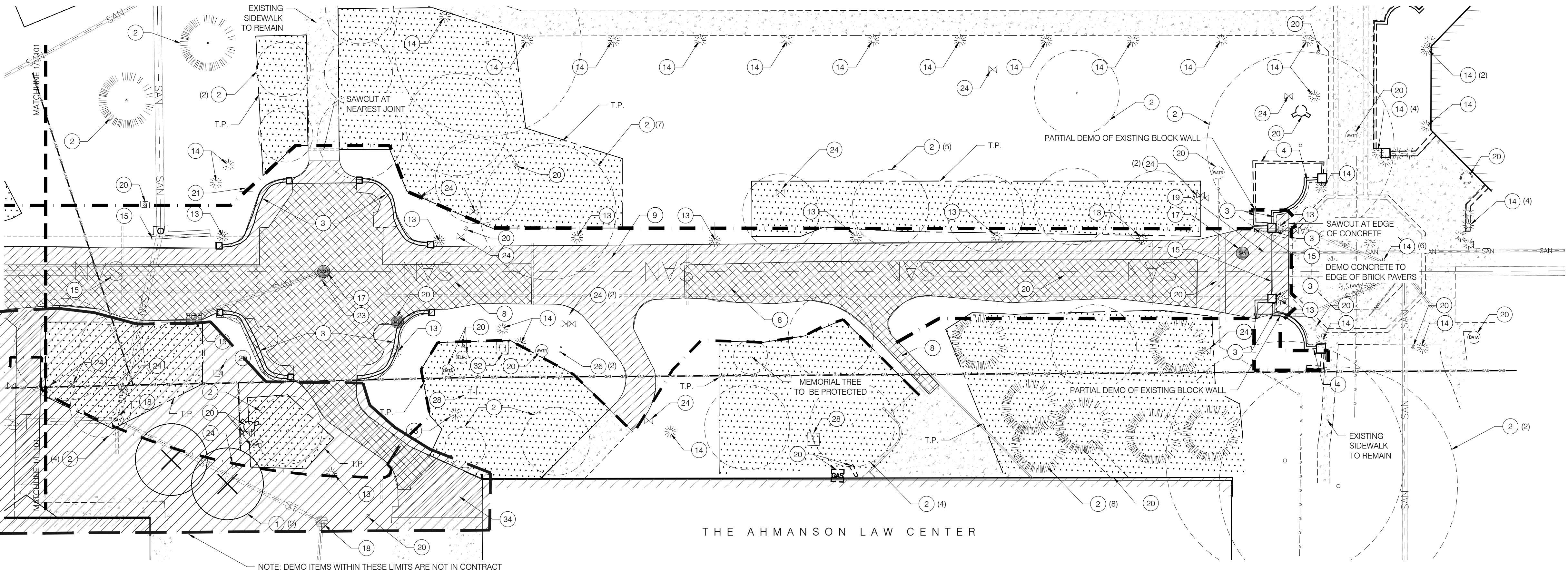
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DEMO PLAN
Sheet Number:
L-101



DEMOLITION KEYNOTES

- 1 TREE TO BE REMOVED.
- 2 TREE TO REMAIN (PROTECT ROOT ZONE).
- 3 WALL AND FOUNDATION TO BE REMOVED.
- 4 WALL AND FOUNDATION TO REMAIN.
- 5 PLANT MATERIAL TO BE REMOVED.
- 6 PLANT MATERIAL TO REMAIN.
- 7 STAIRS TO BE REMOVED.
- 8 BRICK PAVEMENT TO BE REMOVED.
- 9 CONCRETE PAVEMENT TO BE REMOVED
- 10 PAVEMENT TO REMAIN.
- 11 CONCRETE CURB TO BE REMOVED.
- 12 CONCRETE CURB TO REMAIN.
- 13 LIGHT FIXTURE AND FOOTING TO BE REMOVED.
- 14 LIGHT FIXTURE AND FOOTING TO REMAIN.
- 15 STORM DRAIN INLET AND MANHOLE TO BE REMOVED AND REPLACED.
- 16 STORM DRAIN INLET AND MANHOLE TO REMAIN, VERIFY OPERATIONAL.
- 17 SANITARY MANHOLE TO BE REMOVED AND REPLACED/ADJUSTED, RE-CIVIL.
- 18 SANITARY MANHOLE TO REMAIN, VERIFY OPERATIONAL.
- 19 UTILITY ELEMENT/LINE TO BE REMOVED AND REPLACED/READJUSTED.
- 20 UTILITY ELEMENT/ LINE TO REMAIN.
- 21 SITE FURNISHING TO BE REMOVED.
- 22 SITE FURNISHING TO REMAIN.
- 23 VAULT TO BE REMOVED.
- 24 VAULT TO REMAIN.
- 25 PIPE TO BE REMOVED AND REPLACED/READJUSTED.
- 26 PIPE TO REMAIN.
- 27 TRANSFORMER TO BE REMOVED.
- 28 TRANSFORMER TO REMAIN.
- 29 SLOT DRAIN TO BE REMOVED.
- 30 SLOT DRAIN TO REMAIN.
- 31 STATUE OR COLUMN TO BE REMOVED.
- 32 STATUE OR COLUMN TO REMAIN.
- 33 NOT IN CONTRACT (N.I.C.) ELEMENT/LINE TO BE REMOVED AND REPLACED.
- 34 NOT IN CONTRACT (N.I.C.) ELEMENT/LINE TO REMAIN.

1 DEMO PLAN
SCALE: 1" = 20'-0"

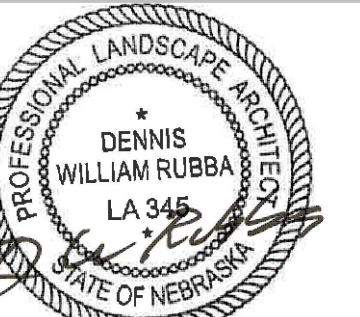


LEGEND

- EXISTING TREE TO BE REMOVED
QTY (16)
- EXISTING TREE TO REMAIN
QTY (64)
- EXISTING CONCRETE TO REMAIN
- EXISTING CONCRETE TO BE REMOVED
- EXISTING BRICK PAVEMENT TO BE REMOVED
- AREA CONSIDERED TO BE SENSITIVE DEMO BOUNDARY. CONTRACTOR TO TAKE EXTREME CAUTION WHEN EXCAVATING IN THIS AREA.
- TREE PROTECTION - ORANGE FENCE (T.P.)
- LIMITS OF EARTHWORK
- RIGHT OF WAY
- LIMIT OF WORK

2 DEMO PLAN
SCALE: 1" = 20'-0"

NOTE: DEMO ITEMS WITHIN THESE LIMITS ARE NOT IN CONTRACT AND ARE SHOWN FOR REFERENCE ONLY.



5/16/2018

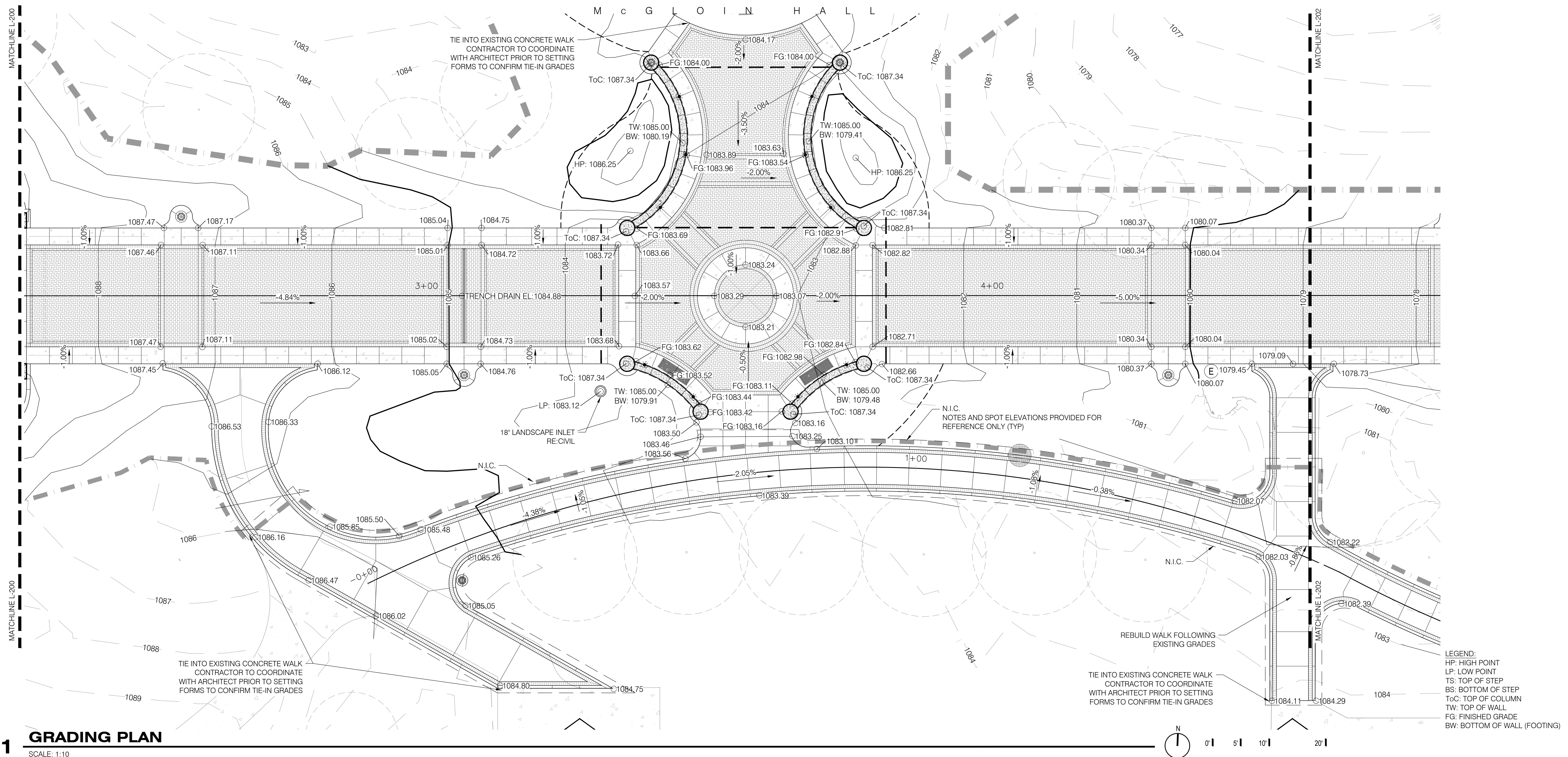
Drawn By: KN
Reviewed By: MSS
Revisions:

Date	No.	Remarks
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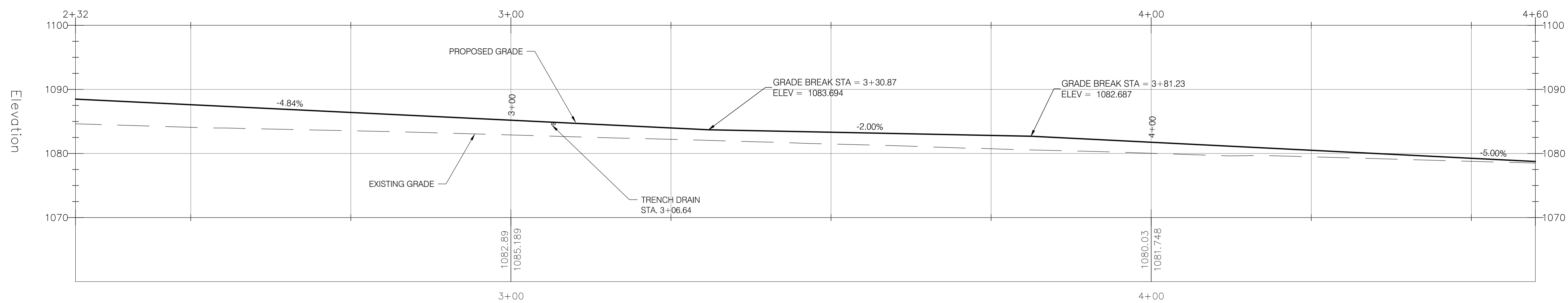
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GRADING PLAN AND
PROFILE

Sheet Number:

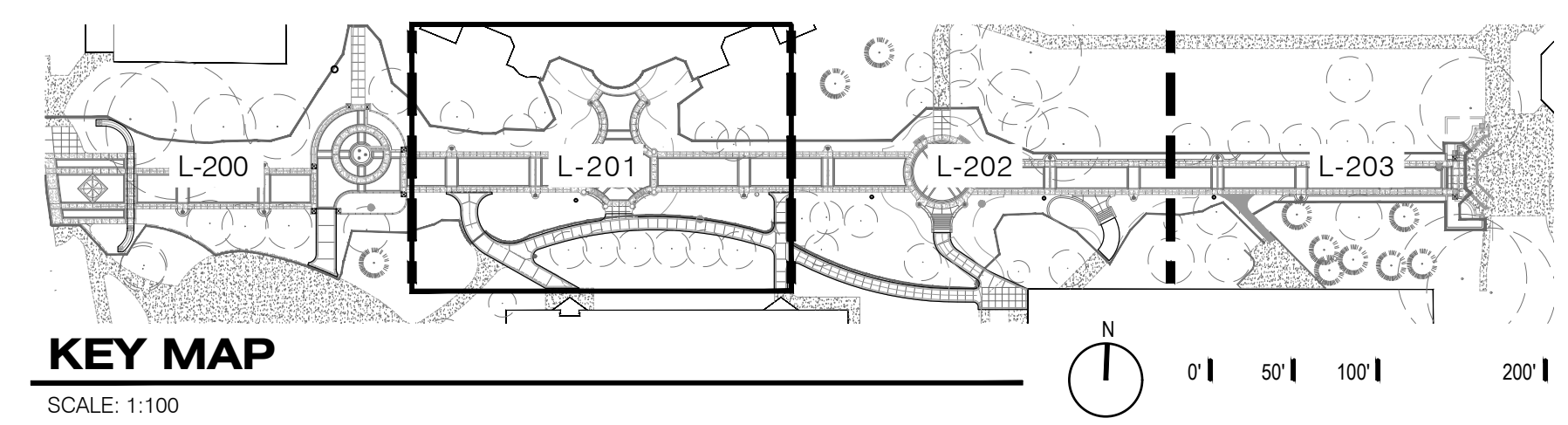
L-201



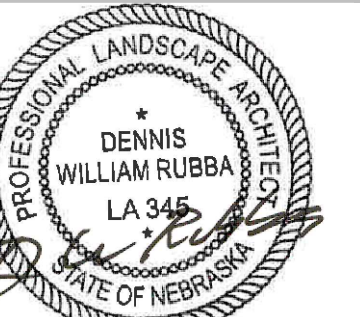
1 GRADING PLAN
SCALE: 1:10



2 GRADING PROFILE
SCALE: 1:10 HOR/1:10 VERT



KEY MAP
SCALE: 1:100



5/16/2018

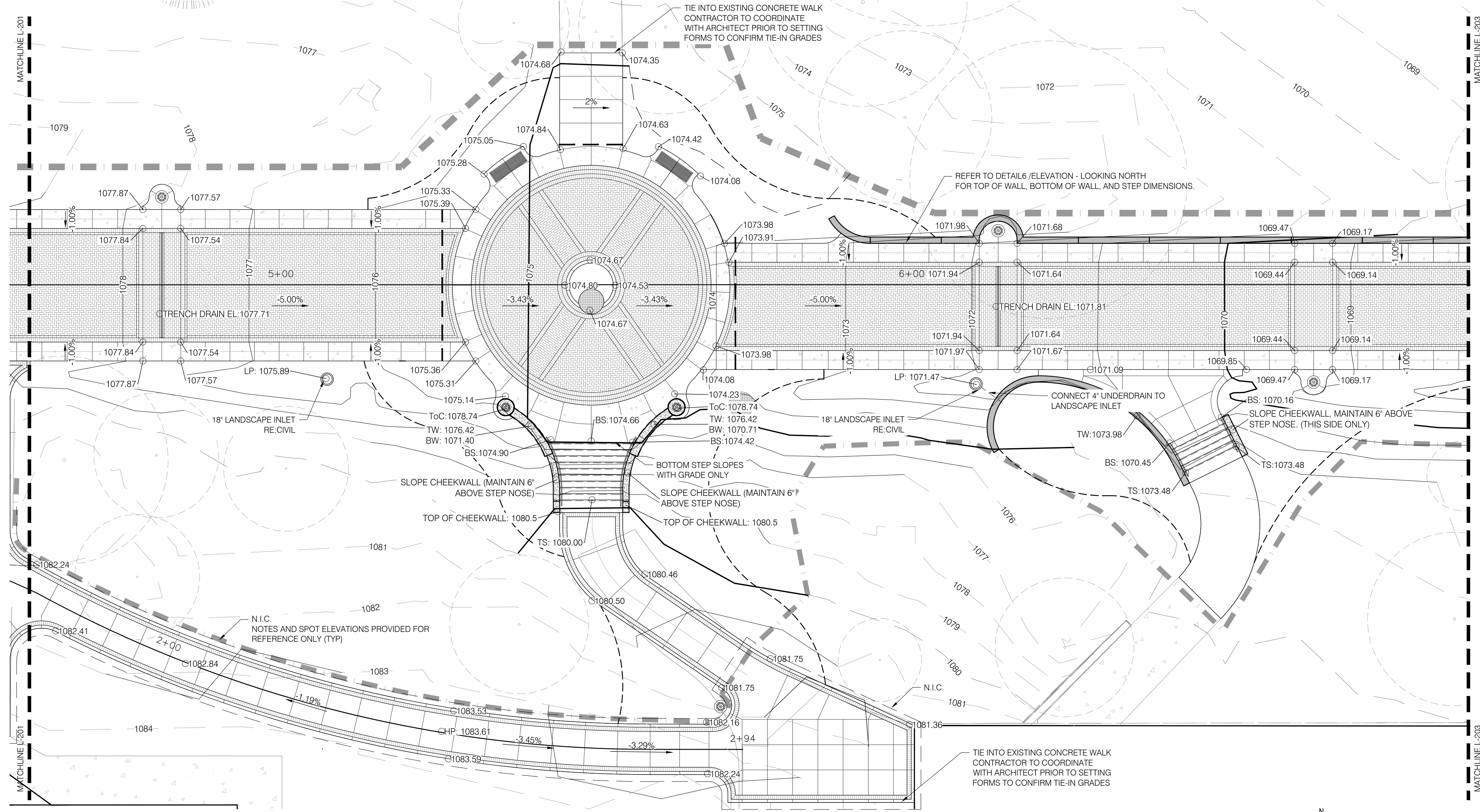
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Reviewed By: MSS
Revisions:

Date	No.	Remarks
6/01/18	01	ADDENDUM #1

Sheet Name:
GRADING PLAN AND
PROFILE

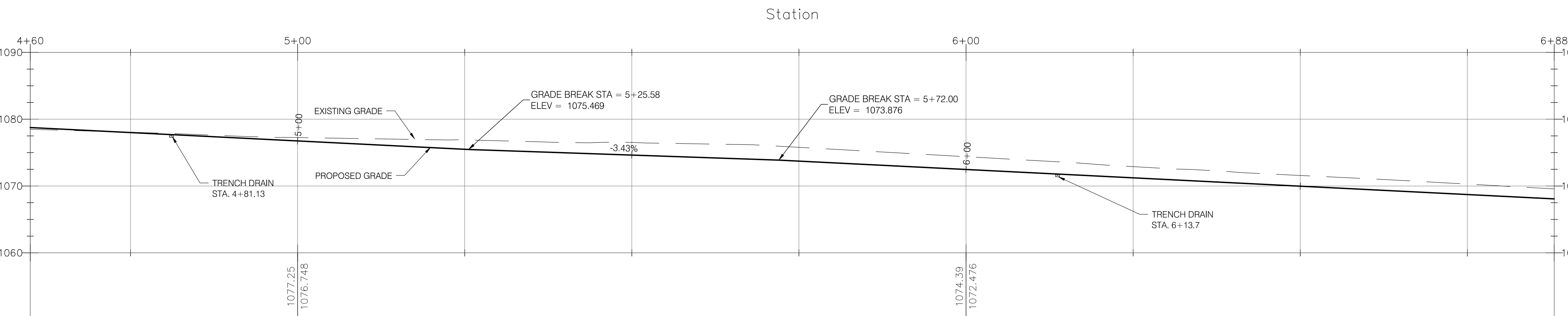
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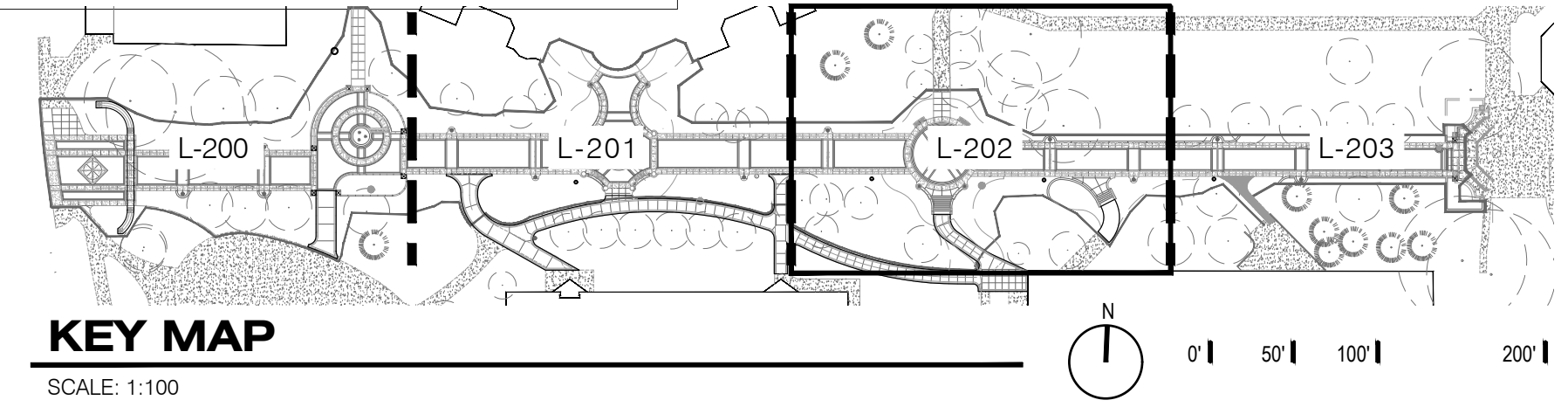


LEGEND:
HP: HIGH POINT
LP: LOW POINT
TS: TOP OF STEP
BS: BOTTOM OF STEP
ToC: TOP OF COLUMN
TW: TOP OF WALL
FG: FINISHED GRADE
BW: BOTTOM OF WALL (FOOTING)

1 GRADING PLAN
SCALE: 1:10



2 GRADING PROFILE
SCALE: 1:10 HOR/1:10 VERT



KEY MAP
SCALE: 1:100

Date	No.	Remarks
6/01/18	01	ADDENDUM #1

KEYNOTES LEGEND

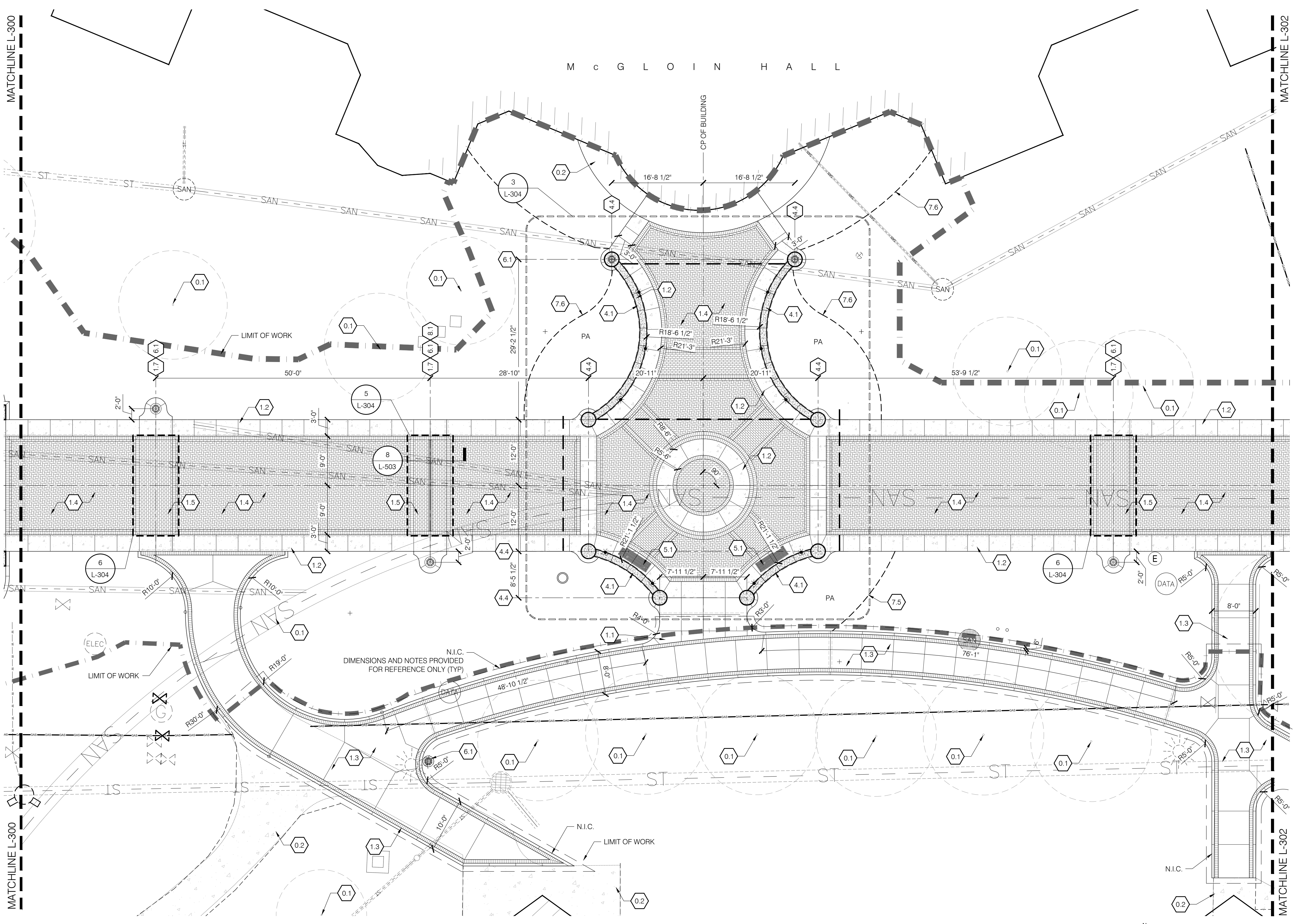
- 0.0 EXISTING CONDITIONS
 - 0.1 EXISTING TREE TO REMAIN/PROTECT
 - 0.2 EXISTING PAVEMENT TO REMAIN/PROTECT
 - 0.3 EXISTING CONCRETE CURB AND GUTTER TO REMAIN
 - 0.4 EXISTING WALL TO REMAIN/PROTECT
 - 0.5 EXISTING LIGHT TO REMAIN/PROTECT
- 1.0 PAVING
 - 1.1 CIP CONC PAVING, 4" THICKNESS, SAWN JTS, BROOM FIN
 - 1.2 CIP CONC PAVING, 8" THICKNESS, SAWN JTS, BROOM FIN
 - 1.3 CIP CONC PAVING WITH DOUBLE SOLDIER COURSE EDGES
 - 1.4 BRICK PAVERS OVER CONC SUBSLAB, HERRING BONE PATTERN WITH DOUBLE SOLDIER COURSE EDGES
 - 1.5 BRICK PAVERS OVER CONC SUBSLAB, HERRING BONE PATTERN WITH SOLDIER COURSE
 - 1.6 BRICK PAVERS OVER CONC SUBSLAB, RUNNING BOND PATTERN WITH SOLDIER COURSE
 - 1.7 BRICK PAVING ACCENT BAND (DETAIL ON ENLARGEMENT PLANS)
- 2.0 JOINTING
 - 2.1 SAWN CONTROL JOINT
 - 2.2 EXPANSION JOINT
- 3.0 CURBS, EDGES, STEPS
 - 3.1 CIP CONCRETE STEPS
 - 3.2 CIP CONCRETE RIBBON CURB
- 4.0 WALLS
 - 4.1 CIP CONCRETE SEATWALL
 - 4.2 MODULAR BLOCK RETAINING WALL
 - 4.3 CIP CONC END PIER - SQUARE
 - 4.4 CIP CONC END PIER - ROUND
- 5.0 SITE FURNISHINGS & SITE ELEMENTS
 - 5.1 BACKED BENCH
 - 5.2 BACKLESS BENCH
 - 5.3 TRASH RECEPTACLE
 - 5.4 ASH URN
- 6.0 SITE LIGHTING
 - 6.1 PEDESTRIAN LIGHT
 - 6.2 not used
 - 6.3 RECESSED WALL LIGHT
- 7.0 PLANTING
 - 7.1 DECIDUOUS TREE
 - 7.2 EVERGREEN TREE
 - 7.3 ORNAMENTAL TREE
 - 7.4 PLANTING AREA
 - 7.5 GROUND COVER TO BE REMOVED AND REPLACED TO MATCH EXISTING
 - 7.6 IRRIGATED TURF
 - 7.7 STEEL EDGER
- 8.0 DRAINAGE
 - 8.1 TRENCH DRAIN

MATERIALS LEGEND

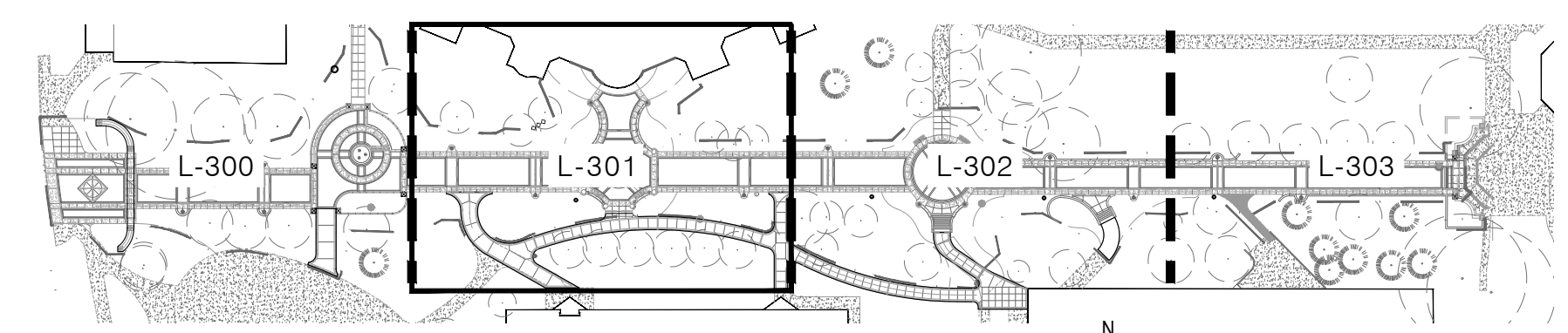
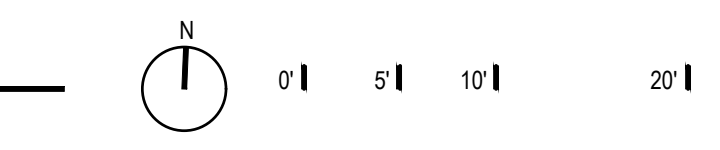
- 1.1 CIP CONC PAVING, 4" THICKNESS
- 1.2 CIP CONC PAVING, 8" THICKNESS
- 1.3 CIP CONC PAVING WITH DOUBLE SOLDIER COURSE EDGES
- 1.4 BRICK PAVERS OVER CONC SUBSLAB, HERRING BONE PATTERN WITH SINGLE SHINER COURSE AND SOLDIER COURSE EDGE
- 1.5 BRICK PAVERS OVER CONC SUBSLAB, RUNNING BOND PATTERN WITH SINGLE SOLDIER COURSE EDGE

WORK LINES

- LIMITS OF WORK
- EXPANSION JOINT (EJ)

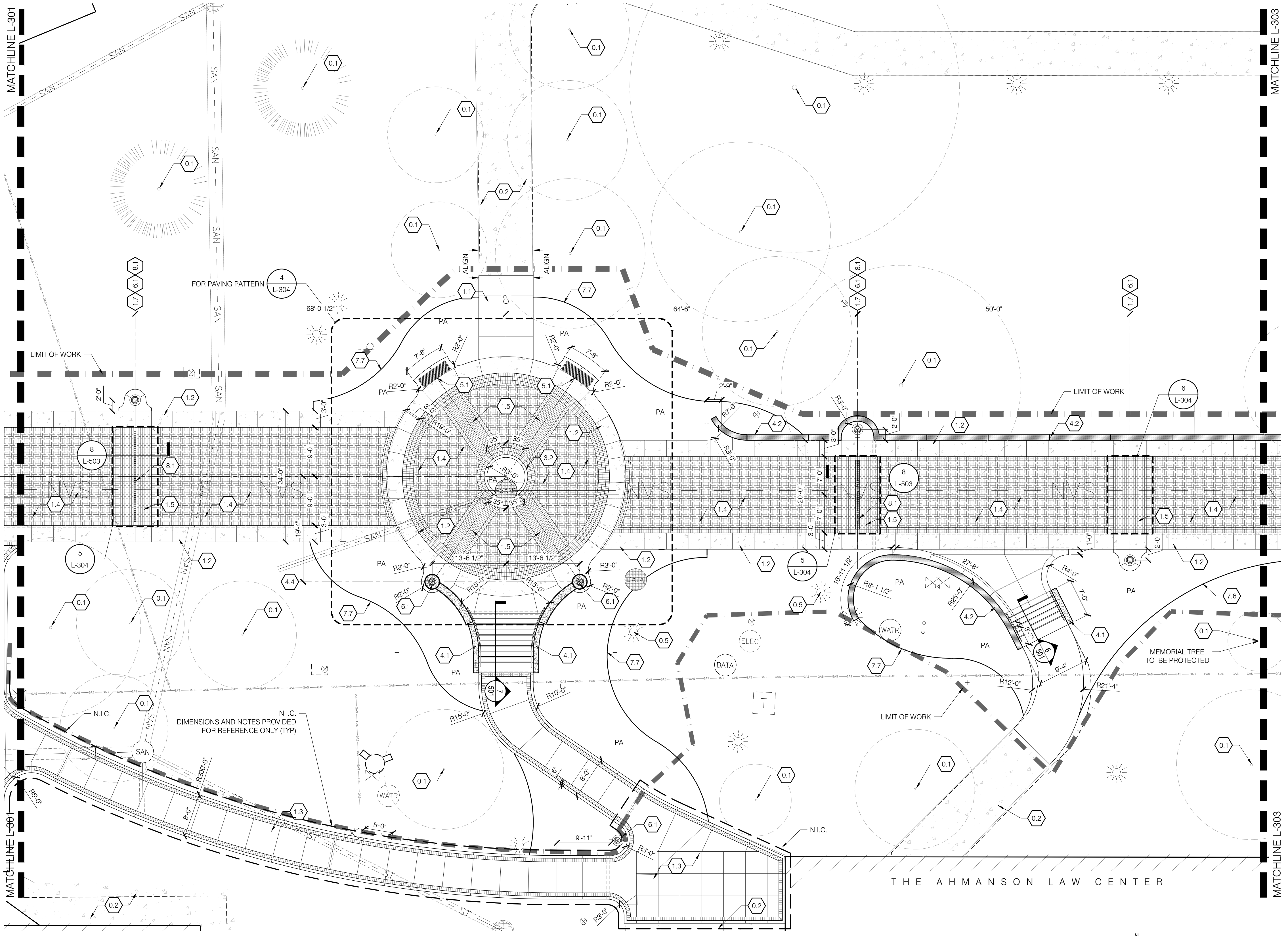


1 LAYOUT PLAN
SCALE: 1" = 10'-0"



KEY MAP
SCALE: 1:100

Date	No.	Remarks
6/01/18	01	ADDENDUM #1

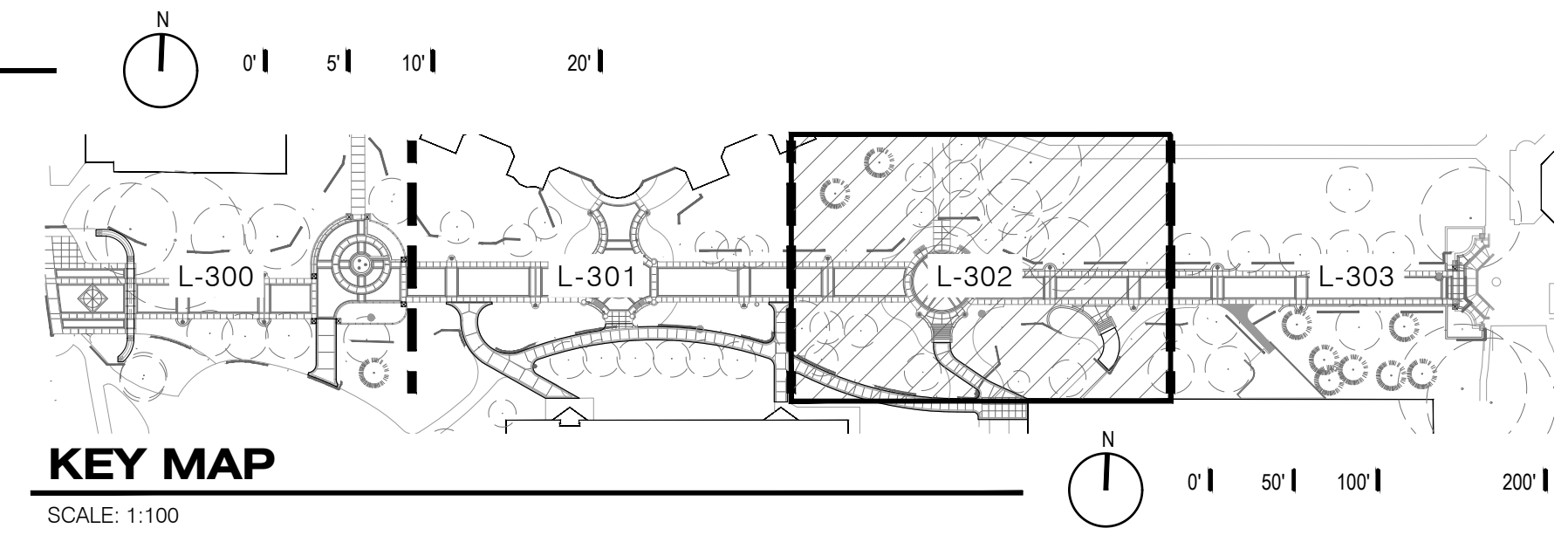


- KEYNOTES LEGEND**
- 0.0 EXISTING CONDITIONS
 - 0.1 EXISTING TREE TO REMAIN/PROTECT
 - 0.2 EXISTING PAVEMENT TO REMAIN/PROTECT
 - 0.3 EXISTING CONCRETE CURB AND GUTTER TO REMAIN
 - 0.4 EXISTING WALL TO REMAIN/PROTECT
 - 0.5 EXISTING LIGHT TO REMAIN/PROTECT
 - 1.0 PAVING
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 - 2.1 SAWN CONTROL JOINT
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 - 3.1 CIP CONCRETE STEPS
 - 3.2 CIP CONCRETE RIBBON CURB
 - 4.0 WALLS
 - 4.1 CIP CONCRETE SEATWALL
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 - 5.1 BACKED BENCH
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 - 5.3 TRASH RECEPTACLE
 - 5.4 ASH URN
 - 6.0 SITE LIGHTING
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 - 6.2 not used
 - 6.3 RECESSED WALL LIGHT
 - 7.0 PLANTING
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 - 7.5 GROUND COVER TO BE REMOVED AND REPLACED TO MATCH EXISTING
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 - 8.1 TRENCH DRAIN

- MATERIALS LEGEND**
- 1.1 CIP CONC PAVING, 4" THICKNESS
 - 1.2 CIP CONC PAVING, 8" THICKNESS
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 - 1.5 BRICK PAVERS OVER CONC SUBSLAB, RUNNING BOND PATTERN WITH SINGLE SOLDIER COURSE EDGE
 - 2.1 SAWN CONTROL JOINT
 - 2.2 EXPANSION JOINT (EJ)

- WORK LINES**
- LIMITS OF WORK

1 LAYOUT PLAN
SCALE: 1" = 10'-0"



BID SCHEDULE

ITEM No.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	AMOUNT
1	Mobilization	1	LS		
2	Staking/Surveying	1	LS		
3	Select Demolition - Paving	23,795	SF		
4	Select Demolition - Site Elements	1	LS		
5	Earth Moving - Excavation	606	CY		
6	Earth Moving - Embankment	1,758	CY		
7	Earth Moving – Contractor Furnished Borrow	1,452	CY		
8	Erosion Control	1	LS		
9	Tree Protection	1	LS		
10	Planting Soil/Bed Prep	9,000	SF		
11	Sodding	1,200	SY		
12	Irrigation	1	LS		
13	8" Concrete Pavement (Concrete Band) incl.jt sealant and densifiers	6,873	SF		
14	4" Concrete Pavement (walkways) incl., Brick Band, jt sealant and densifiers	1,272	SF		
15	4" Concrete Pavement (walkways)	1,244	SF		
16	Brick Pavers with 4" Concrete Base	15,817	SF		
17	Segmental Block Retaining Wall	950	SFF		
18	CIP Concrete Column (round)	10	EA		
19	CIP Concrete Column (square)	7	EA		
20	CIP Concrete Steps	40	CY		
21	Metal Handrails	32	LF		
22	CIP Concrete Seatwall	198	LF		
23	CIP Concrete Ribbon Curb	144	LF		
24	Steel Edging	388	LF		
25	Trash Receptacle	6	EA		
26	Bench	6	EA		
27	Pedestrian Lighting w/ banner arm	19	EA		
28	Remove Storm Sewer Inlet/Manhole	3	EA		
29	CIP Concrete Pipe Plug	3	EA		
30	Adjust Area Inlet to Grade	1	EA		
31	Adjust Sanitary Sewer Manhole to Grade	0	EA		
32	Adjust Storm Sewer Manhole to Grade	3	EA		

ITEM No.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	AMOUNT
33	Adjust Telephone Manhole to Grade	4	EA		
34	Adjust Gas Valve to Grade	1	EA		
35	Adjust Electrical Manhole to Grade	3	EA		
36	Adjust Water Valve to Grade	6	EA		
37	Adjust Water Manhole to Grade	2	EA		
38	Convert Grate Inlet/Drainage Inlet to Manhole	3	EA		
39	Convert Curb Inlet to Manhole	1	EA		
40	Relocate Water Valve	3	EA		
41	Relocate Gas Valve	1	EA		
42	Water Main Relocation	169	LF		
43	Gas Line Relocation	65	LF		
44	Construct PVC Storm Sewer Pipe - 10"	283	LF		
45	Construct PVC Storm Sewer Pipe - 8"	45	LF		
46	Construct PVC Storm Sewer Pipe - 4"	11	LF		
47	Construct 8" Trench Drain	88	LF		
48	Tap PVC Pipe into Existing Inlet/Manhole	7	EA		
49	Connect PVC Pipe to French Drain	3	EA		
50	Construct 18"X18" Catch Basin	3	EA		
TOTAL BASE BID (ITEMS 1-50)					

TOTAL BASE BID –for items 1 thru 50 is _____

_____ and _____ cents.

(Contractor to

write out total base bid in addition to that provided in the tabular total).