



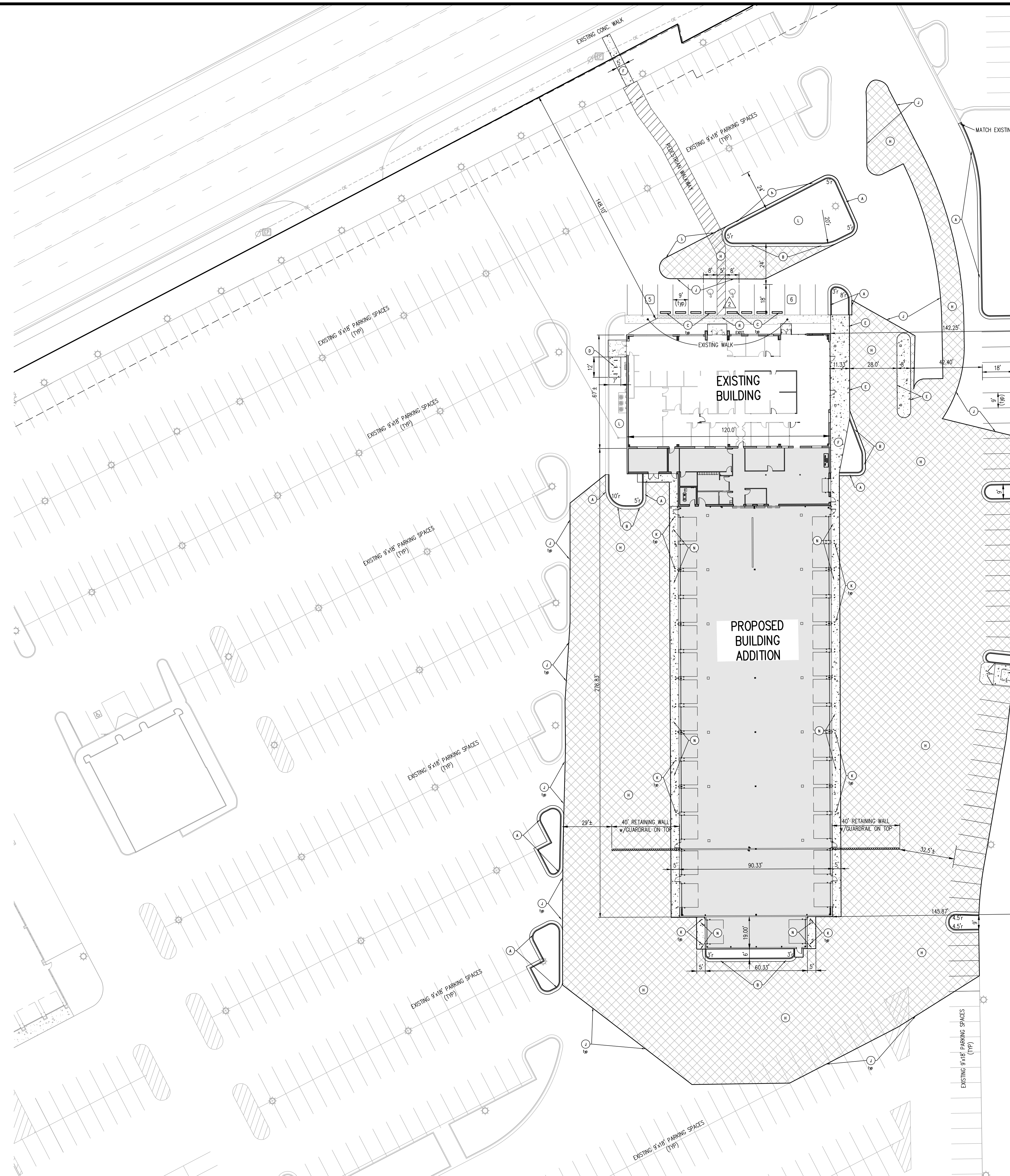
GRAPHIC SCALE
(IN FEET)
1 inch = 30 ft.

LEGEND

(A)	2' Combined Concrete Curb & Gutter	APP 3
(B)	2' Concrete Chairback Curb w/out Gutter	4 CB01
(C)	Concrete Wheel Stop	5 CB01
(D)	Bike Racks	2 CB02
(E)	Concrete Curb & Walk	6 CB01
(F)	Concrete Sidewalk	12 CB01
(G)	Dumpster Enclosure	1 CB02
(H)	Typical Asphalt Pavement Section	1 CB01
(J)	Pavement Tie-in	3 CB01
(K)	Pipe Bollard	13 CB01
(L)	Landscape Area	
(N)	Concrete Apron - see Architectural Plans for Details	
(R)	Handicap Ramp	APP 4 CB01
(D)	9'x18' Parking Spaces (w/white paint)	8 CB01
(S)	Existing Handicap Parking Stall	8 CB01
(*)	New Light Pole Base	CB02
[Hatched Box]	New Pavement Construction	
[Solid Grey Box]	New Building Expansion	

GENERAL NOTES

1. IT SHALL BE THE RESPONSIBILITY OF EACH SUBCONTRACTOR TO VERIFY ALL EXISTING UTILITIES AND CONDITIONS THAT PERTAIN TO THEIR PHASE OF WORK PRIOR TO START OF WORK. IT SHALL ALSO BE THE RESPONSIBILITY OF EACH SUBCONTRACTOR TO CONTACT THE OWNERS OF THE UTILITIES FOR PROPER STAKE LOCATIONS PRIOR TO START OF WORK.
2. IF ANY CHANGES, OMISSIONS OR ERRORS ARE FOUND ON THESE PLANS OR IN THE FIELD THE SUBCONTRACTOR SHALL NOTIFY, IN WRITING, THE OWNER AND ENGINEER BEFORE WORK IS STARTED OR RESUMED.
3. VERIFY SIGN LOCATION AND SIGN REQUIREMENTS WITH LOCAL GOVERNING AUTHORITIES.
4. ALL CONSTRUCTION ACTIVITY ON THIS SITE TO PERFORMED IN COMPLIANCE WITH ALL APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
5. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION SHALL CONFORM TO APPLICABLE STATE AND LOCAL STANDARDS.
6. SEE ARCHITECTURAL PLANS FOR BUILDING DIMENSIONS.
7. SEE PHOTOMETRIC PLAN FOR LIGHT LOCATIONS AND TYPE.



REVISIONS:

PREPARED FOR:
Andy Mohr Automotive
8941 East Highway 36
Avon, IN 46123
317-715-8181

AMAG Commercial Truck Sales
Building Addition
Plainfield, Indiana
Site Plan

PRELIMINARY
PENDING
AGENCY
APPROVAL

DATE: 11/02/23
DRAWN BY: kwk
ISSUED: CHECKED BY:
JOB NUMBER: 23116
SHEET # C102



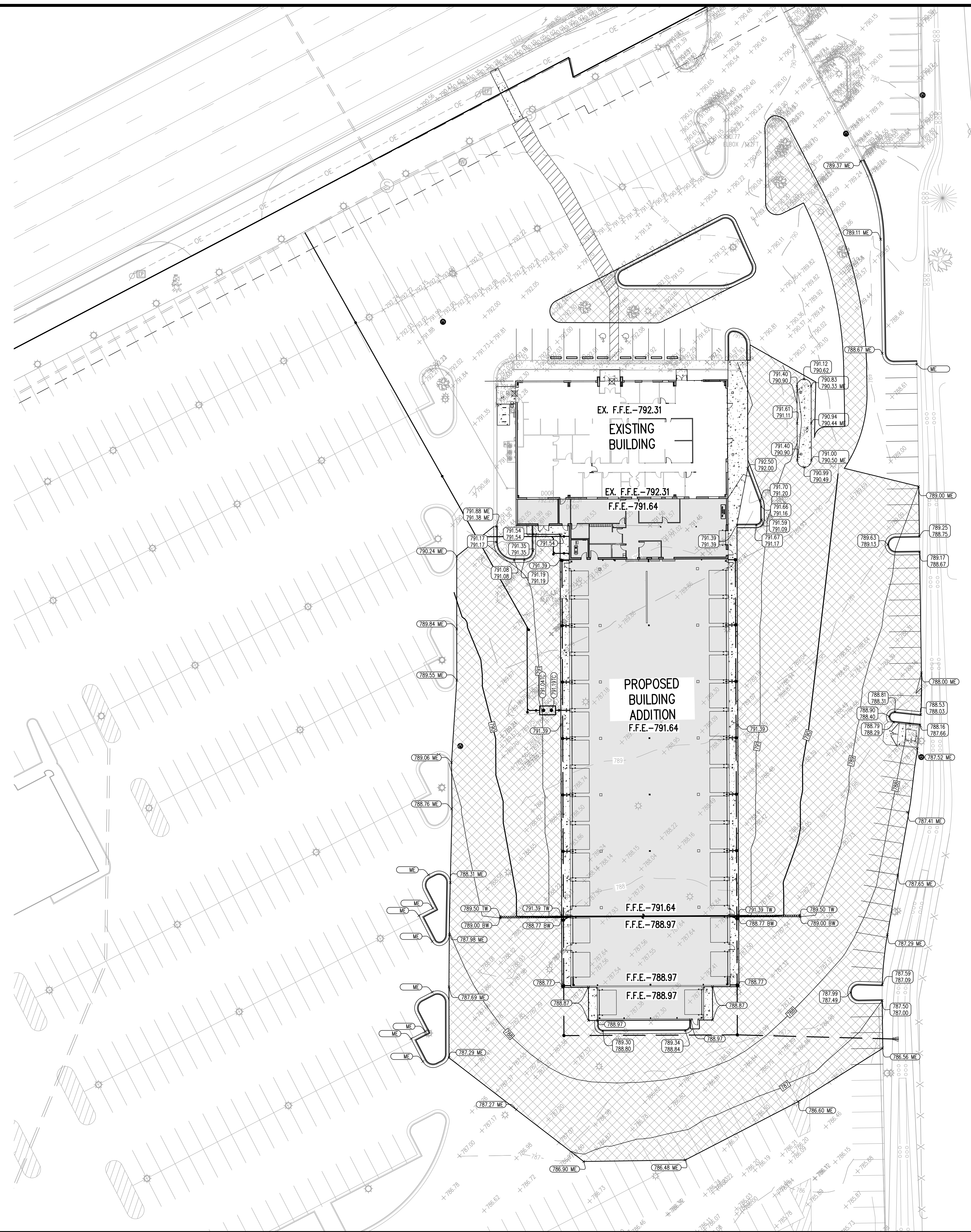
GRAPHIC SCALE
(IN FEET)
1 inch = 30 ft.

LEGEND

- Existing Storm Sewer
- New Storm Sewer
- Existing Sanitary Sewer
- New Sanitary Lateral w/Cleanout
- 6" Subsurface Drain
- Existing Contour
- New Pavement Grade
- All Other Finish Grades
- T.C. Top of Casting Grade
- M.E. Match Existing Grades
- Top of Curb Grade
- Curb Gutter Grade
- Surface Flow Arrow
- W Water Main
- G Existing Underground Gas Main
- UT Existing Underground Telephone
- W Existing Underground Electric
- UE Existing Water Main
- Existing Flowline
- Existing Overhead Utilities
- X X Fence
- New Pavement Construction
see Site Plan, Sheet C102 for more information
- New Building Expansion

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2. IF ANY CHANGES, OMISSIONS OR ERRORS ARE FOUND ON THESE PLANS OR IN THE FIELD THE SUBCONTRACTOR SHALL NOTIFY, IN WRITING, THE OWNER AND ENGINEER BEFORE WORK IS STARTED OR RESUMED.
3. VERIFY SIGN LOCATION AND SIGN REQUIREMENTS WITH LOCAL GOVERNING AUTHORITIES.
4. ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH ALL APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
5. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION SHALL CONFORM TO APPLICABLE STATE AND LOCAL STANDARDS.
6. SEE ARCHITECTURAL PLANS FOR BUILDING DIMENSIONS.
7. SEE PHOTOMETRIC PLAN FOR LIGHT LOCATIONS AND TYPE.
8. DO NOT SCALE FROM THESE PLANS FOR SURVEY LOCATIONS.
9. STANDARD SPECIFICATIONS FOR THE TOWN OF PLAINFIELD, INDIANA SHALL APPLY FOR ALL SANITARY SEWERS.
10. STANDARD SPECIFICATIONS FOR THE TOWN OF PLAINFIELD, INDIANA SHALL APPLY FOR ALL STORM SEWERS.
11. ANY PART OF THE SANITARY OR STORM SEWER TRENCHES THAT RUN UNDER OR WITHIN 5 FEET OF PAVED AREAS ARE TO BE BACKFILLED WITH GRANULAR MATERIAL.
12. EXISTING UTILITIES SHOWN ARE PER INFORMATION PROVIDED BY THE RESPECTIVE UTILITY COMPANIES. ALL UTILITY COMPANIES SHALL BE NOTIFIED PRIOR TO ANY EXCAVATION FOR FIELD LOCATION SERVICES.
13. ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH ALL APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
14. ALL FILL AREA SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY (ASTM D-1557).
15. ALL POINT OF CONNECTION OF PROPOSED SANITARY AND STORM SEWER ARE TO BE VERIFIED FROM A KNOWN BENCHMARK PRIOR TO CONSTRUCTION.
16. ALL GRADES SHALL MEET EXISTING GRADE AT THE PROPERTY LINE.
17. ANY DISCREPANCIES WITH INFORMATION PROVIDED IN THESE CONSTRUCTION DOCUMENTS IS TO BE REPORTED TO THE ENGINEER AND OWNER IMMEDIATELY.
18. ANY FIELD TILES ENCOUNTERED DURING THE COURSE OF CONSTRUCTION SHALL BE INCORPORATED INTO THE PROPOSED STORM SEWER SYSTEM AS SHOWN WITHIN THESE PLANS.
19. CONTACT ENGINEER PRIOR TO RE-ROUTING OF ANY FIELD TILES.
20. THE CONTRACTOR SHALL CONFIRM ALL EARTHWORK QUANTITIES PRIOR TO START OF CONSTRUCTION. IF ANY EXCESS OR SHORTAGE OF EARTH IS ENCOUNTERED, THE CONTRACTOR SHALL CONFIRM WITH THE OWNER AND ENGINEER THE REQUIREMENTS FOR STOCKPILING, REMOVAL OR IMPORTING OF EARTH.



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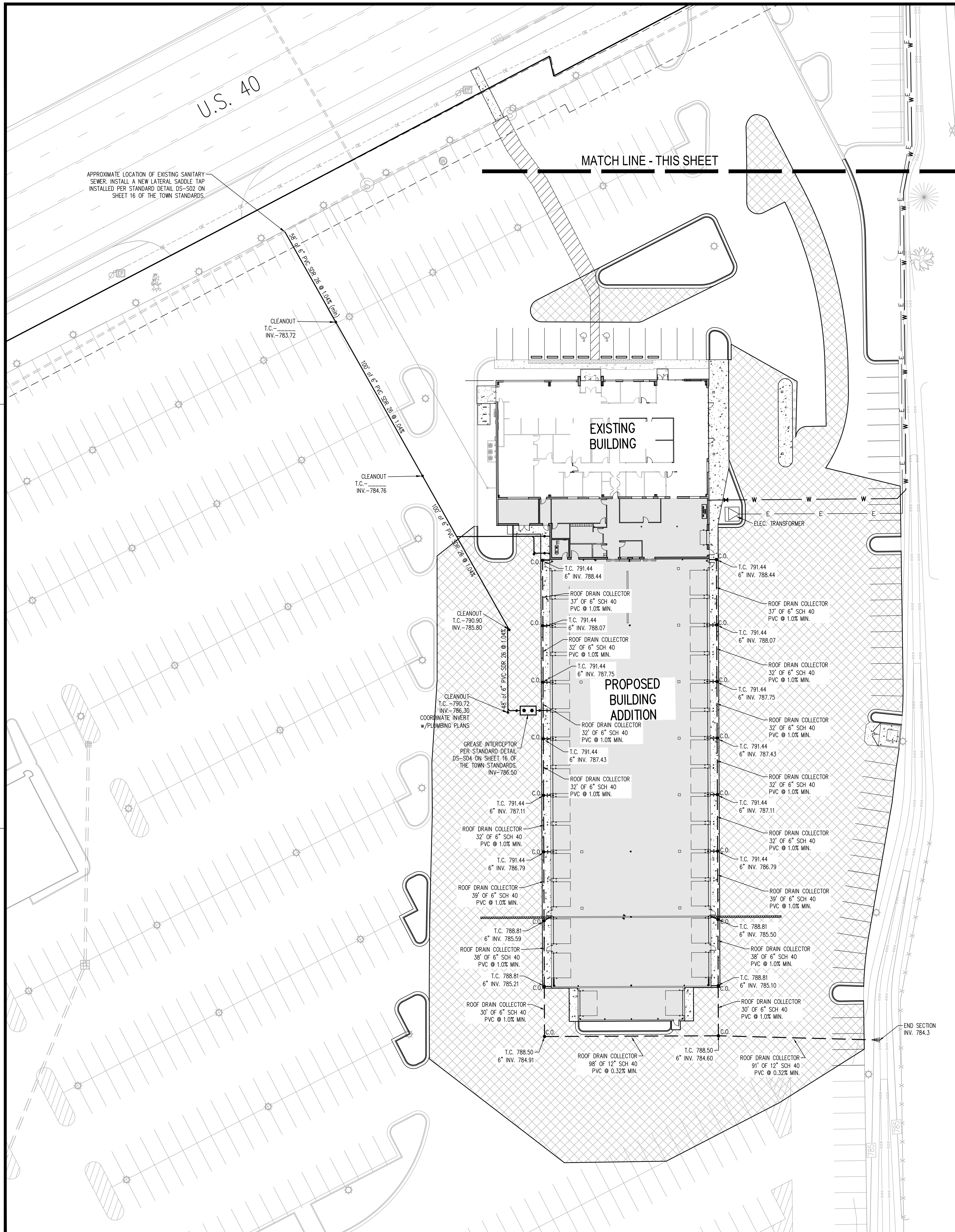
REVISIONS:

PREPARED FOR:
Andy Mohr Automotive
8941 East Highway 36
Avon, IN 46123
317-715-8181

AMAG Commercial Truck Sales
Building Addition
Plainfield, Indiana
Grading Plan

**PRELIMINARY
PENDING
AGENCY
APPROVAL**

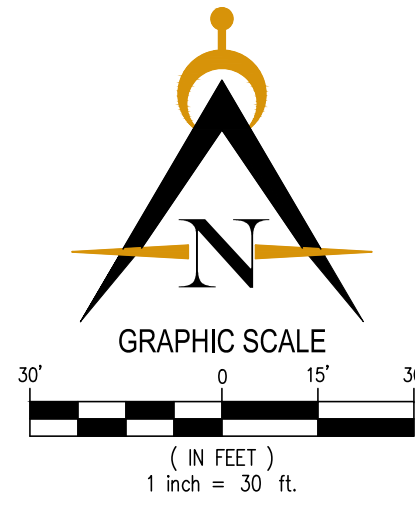
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ISSUED: CHECKED BY:
JOB NUMBER: 23116
SHEET # C103



UTILITY PROVIDERS

- | | |
|---|--|
| <p>WATER
Plainfield Water Dept.
986 South Center Street
Plainfield, IN 46168
(317) 839-3490
Attn: Shannon Swan</p> <p>SEWERS
Plainfield Sewer Dept.
206 West Main St.
Plainfield, IN 46168
(317) 839-2561
Attn: Tim Belcher</p> <p>GAS
Vectren
8399 Zionsville Rd
Indianapolis, IN 46268
(317) 718-3604
Attn: Gerry Jones</p> <p>INDOT
Indiana Department of Transportation
Leetha Coffing
lcoffing@indot.in.gov
41 West 300 North
Crawfordsville, IN 47933
PH 765-362-9484</p> | <p>ELECTRIC
Duke Energy
5055 East Main Street
Danville, IN 46122
(317) 745-1006
Attn: Brian Bantley</p> <p>CABLE TELEVISION
Brighthouse
3030 Roosevelt Ave.
Indianapolis, IN 46218
(317) 632-9077 ext 291
Attn: Design Department</p> <p>TELEPHONE
AT&T
240 N Meridian St. Room 280
Indianapolis, IN 46204
(317) 610-5423
Attn: Michael Carter</p> <p>ELECTRIC
Duke Energy Asset Protection
2727 Central Ave.
Columbus, IN 47201
(812) 375-2021
Attn: Gary McKamee</p> |
|---|--|

UTILITY HOTLINE: 1-800-362-5444 within Indiana 1-800-428-5200 outside Indiana
 Note: The nature, size and location of utilities are per plans and locations provided by the respective utility companies together with field observation. The above list constitutes some, if not all, of the utility companies which provide service in the area of, and adjacent to, the subject property, based upon information available through such plans and locations, by incidental visual inspection. All utility companies should be notified prior to any excavation for field location of services and verification of size and nature of services.

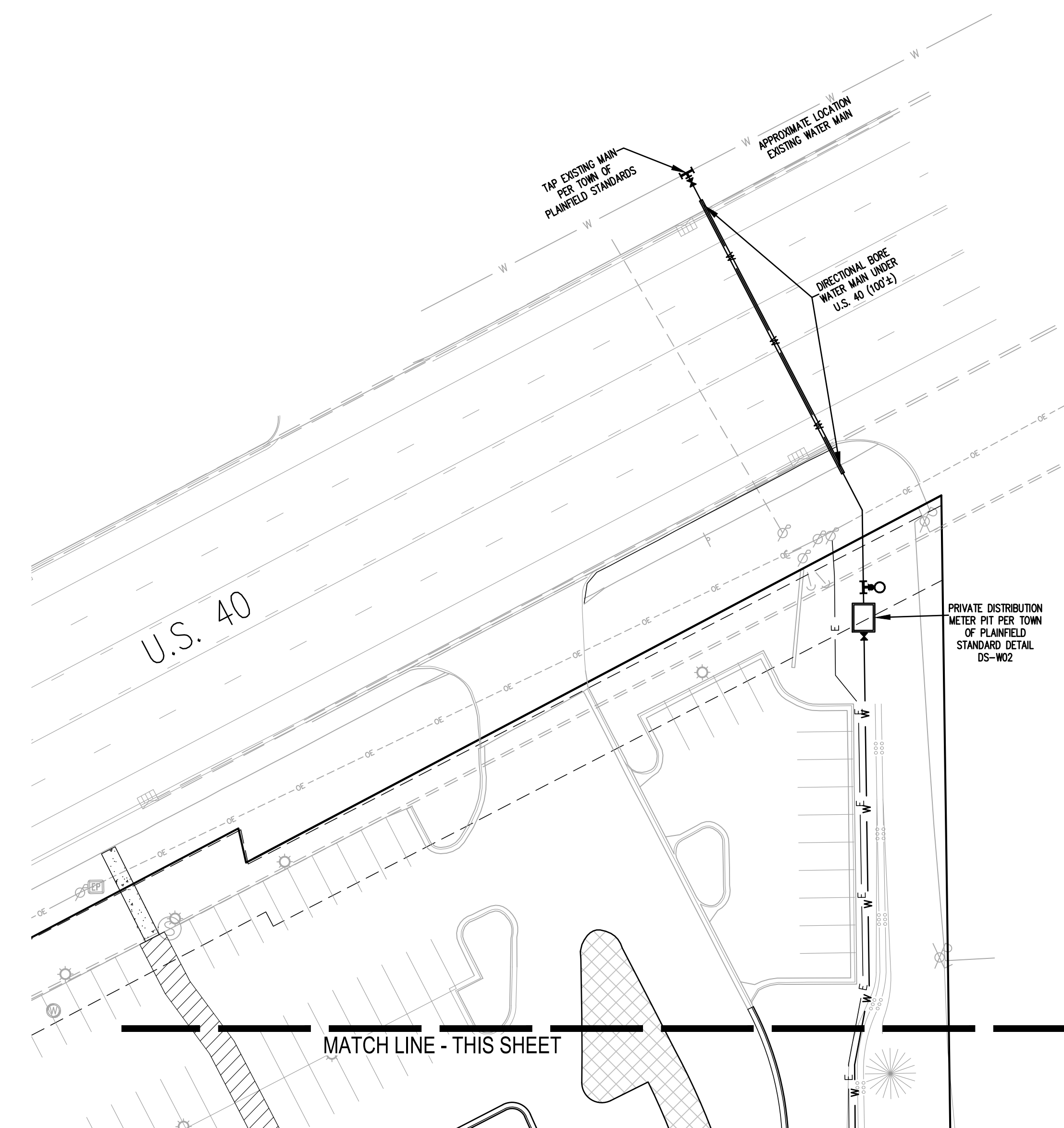


LEGEND

- Existing Storm Sewer
- New Storm Sewer Downspout Drain
- Existing Sanitary Sewer
- Existing Underground Gas Main
- Existing Underground Telephone
- Existing Water Main
- Existing Underground Electric
- Existing Flowline
- Existing Overhead Utilities
- New Water Service
- New Telephone Service
- New Electric Service
- New Gas Service
- New Cable TV Service
- ▨ New Pavement Construction
- ▨ New Building Expansion

NOTE

IT SHALL BE THE RESPONSIBILITY OF EACH SUBCONTRACTOR TO VERIFY ALL EXISTING UTILITIES AND CONDITIONS THAT PERTAIN TO THEIR PHASE OF WORK PRIOR TO START OF WORK. IT SHALL ALSO BE THE RESPONSIBILITY OF EACH SUBCONTRACTOR TO CONTACT THE OWNERS OF THE UTILITIES FOR PROPER STAKE LOCATIONS PRIOR TO START OF WORK.



Innovative
ENGINEERING & CONSULTING
Whitestown, IN 46075
www.innovativeci.com
3961 Perry Boulevard
Ph: 317-669-2916

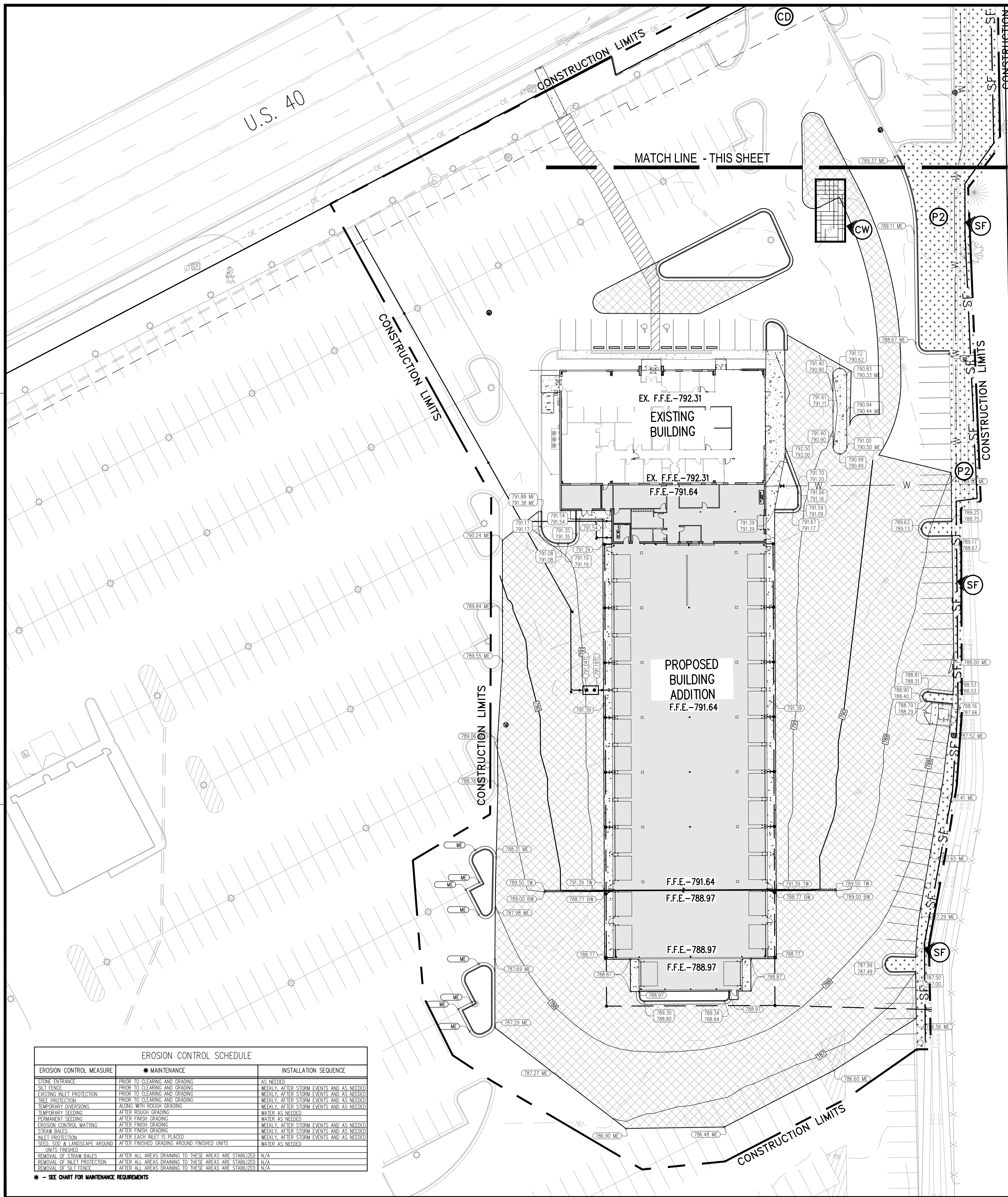
REVISIONS:

PREPARED FOR:
Andy Mohr Automotive
8941 East Highway 36
Avon, IN 46123
317-715-8181

AMAG Commercial Truck Sales
Building Addition
Plainfield, Indiana
Utility Plan

PRELIMINARY PENDING AGENCY APPROVAL

DATE: 11/02/23
DRAWN BY: kwk
ISSUED: CHECKED BY:
JOB NUMBER: 23116
SHEET # **C104**



EROSION CONTROL LEGEND

- CONSTRUCTION LIMITS
- SF SILT FENCE SEDIMENT BARRIER (Notes: 3 NWS-6 OR EQUAL)
- CW CONCRETE WASHOUT
- P2 PERMANENT SEEDING WITH STRAW MULCH AT 1.5-2 TONS/ACRE
- CD TEMPORARY CONSTRUCTION DRIVE (USE EXISTING ASPHALT DRIVE TO ACCESS SITE)
- NS NOTIFICATION SIGN

EROSION CONTROL SEQUENCE

- CONTACT IEM AT (317) 233-1864 & HENDRICKS COUNTY SOIL AND WATER CONSERVATION SERVICE FORTY-EIGHT HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- POST CONTRACTOR AND OWNER INFORMATION AT SITE ENTRANCE.
- BEGIN SELF MONITORING PROGRAM.
- CALL THE INDIANA UNDERGROUND PLANT PROTECTION SYSTEMS, INC. AT 811 OR 1-800-392-5544 TO CHECK THE LOCATION OF EXISTING UTILITIES. THEY SHOULD BE NOTIFIED TWO WORKING DAYS BEFORE CONSTRUCTION TAKES PLACE.
- INSTALL SILT FENCE & INLET PROTECTION AROUND EXISTING STORM SEWER INLETS AS SHOWN ON THIS PLAN AND DETAIL SHEETS. NOTIFY ENGINEER ONCE SILT FENCE HAS BEEN INSTALLED.
- BEGIN DEMOLITION.
- ROUGH GRADE PARKING AREA. INSTALL SEDIMENT CONTROL BARRIERS AND EROSION CONTROL BLANKETS PER THIS PLAN AND DETAIL SHEETS.
- COMPLETE PARKING LOT AND BUILDING IMPROVEMENTS.
- FINISH GRADE REMAINDER OF SITE.
- INSTALL PERMANENT SEEDING PER THIS PLAN AND SEASONAL SOIL PROTECTION CHART.
- TEMPORARY SEED AND MULCH ANY DISTURBED AREA THAT IS PLANNED TO REMAIN UNCHANGED FOR A PERIOD OF MORE THAN 15 DAYS.

CONSTRUCTION TIMETABLE

BEGIN EROSION CONTROL PRACTICE INSTALLATION: OCTOBER 2023
 PROJECT CONSTRUCTION START DATE: OCTOBER 2023
 PROJECT COMPLETION DATE: OCTOBER 2024

PROJECT NARRATIVE

THE PROPOSED PROJECT CONSIST OF AN ADDITION TO THE EXISTING FORD COMMERCIAL TRUCK DEALERSHIP BUILDING AND REWORKING OF THE PARKING LOT.

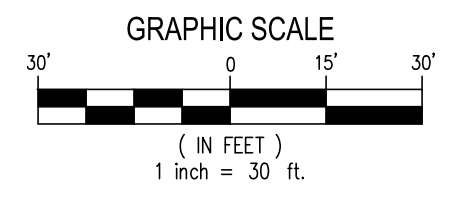
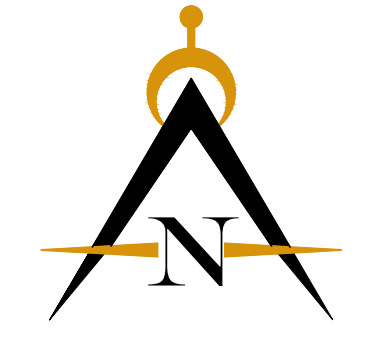
GENERAL NOTE

THE PROVIDED CONSTRUCTION SEQUENCE IS INTENDED AS A GENERAL GUIDELINE ONLY; THE ACTUAL CONSTRUCTION SEQUENCE MAY BE VARIED BY THE CONTRACTOR AS REQUIRED BY FIELD CONDITIONS, PROVIDED FULL CONFORMANCE WITH THE INTENT OF 327 IAC 15-5 (RULE 5), GENERAL PERMIT FOR CONSTRUCTION ACTIVITY STORM WATER RUNOFF CONTROL, IS ACHIEVED. CONTRACTOR SHALL NOTIFY INNOVATIVE ENGINEERING & CONSULTING, INC. AND THE TOWN OF PLAINFIELD PLANNING STAFF PRIOR TO ANY CHANGES IN THE GENERAL CONSTRUCTION SEQUENCE.

THE CONTRACTOR, OWNER AND/OR THEIR DESIGNATED AGENTS SHALL ASSUME FULL RESPONSIBILITY FOR ENSURING SITE CONSTRUCTION ON THIS PROJECT IS COMPLETED IN FULL CONFORMANCE WITH THE REQUIREMENTS OF 327 IAC 15-5 (RULE 5).

EROSION CONTROL NOTES

- INSTALL SILT FENCE PERIMETER SEDIMENT CONTROL BARRIER PRIOR TO BEGINNING ON-SITE EARTH MOVING ACTIVITIES AND CONSTRUCTION DRIVE.
- INSPECT PERIMETER SILT FENCE PERIODICALLY AND AFTER EACH RAINFALL OF 0.5 INCHES OR GREATER AND REPAIR AND REPLACE AS REQUIRED. SEDIMENT DEPOSITS TO BE REMOVED WHEN AT A MAXIMUM OF ONE-THIRD OF FENCE HEIGHT.
- SILT FENCE PERIMETER SEDIMENT BARRIER TO REMAIN IN PLACE UNTIL SUCH TIME AS ALL DISTURBED AREAS OF SITE HAVE BEEN STABILIZED.
- TRACKING OF SEDIMENT ONTO ADJUTING ROAD SYSTEM SHALL BE PREVENTED TO THE GREATEST EXTENT POSSIBLE. VEHICLES SHALL BE CLEANED OF MUD AND DEBRIS AS REQUIRED TO PREVENT TRACKING. MUD AND DEBRIS WHICH IS TRACKED ONTO THE ROAD SYSTEM SHALL BE REMOVED BY SCRAPING AND/OR SWEEPING AND PLACED IN A PROTECTED AREA.
- ANY DISTURBED AREA THAT IS PLANNED TO BE LEFT UNCHANGED FOR MORE THAN 14 DAYS IS TO BE TEMPORARILY SEED AND MULCHED.
- NO SEDIMENT BARRIERS ARE TO BE REMOVED UNTIL ALL UPSTREAM AREAS HAVE BEEN STABILIZED.
- ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY STATE, COUNTY OR CITY OFFICIALS IF FIELD CONDITIONS WARRANT.
- ALL EROSION CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE INDR INDIANA STORM WATER QUALITY MANUAL AND THE INDRS FIELD OFFICE TECHNICAL GUIDE.
- ALL SOIL REMOVED FROM THE SITE IS TO BE TAKEN TO A PERMITTED SITE WITH ADEQUATE EROSION CONTROL MEASURES IN PLACE.
- CONDUCT ON SITE EROSION AND SEDIMENT CONTROL INSPECTIONS ONCE EVERY 7 DAYS AND / OR FOLLOWING ANY RAINFALL OF 0.5 INCHES OR MORE.
- ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED BY MPWD INSPECTOR.



LEGEND

- Existing Storm Sewer
- New Storm Sewer
- Existing Sanitary Sewer
- Existing Contour
- New Pavement Grade
- All Other Finish Grades
- Match Existing Grades
- Top of Curb Grade
- Curb Cutter Grade
- Storm Structure Number
- Surface Flow Arrow
- Existing Gas Main
- Existing Telephone
- Existing Water Main
- Existing Flowline
- Existing Overhead Utilities
- Existing Fire Hydrant
- Existing Water Valve
- New Pavement Construction see Site Plan, Sheet C102 for more information
- New Building Expansion

EROSION CONTROL SCHEDULE		
EROSION CONTROL MEASURE	MAINTENANCE	INSTALLATION SEQUENCE
STONE ENTRANCE	PRIOR TO CLEARING AND GRADING	AS NEEDED
SILT FENCE	PRIOR TO CLEARING AND GRADING	WEEKLY, AFTER STORM EVENTS AND AS NEEDED
EXISTING INLET PROTECTION	PRIOR TO CLEARING AND GRADING	WEEKLY, AFTER STORM EVENTS AND AS NEEDED
TRIE PROTECTION	PRIOR TO CLEARING AND GRADING	WEEKLY, AFTER STORM EVENTS AND AS NEEDED
TEMPORARY DIVERSIONS	ALONG WITH ROUGH GRADING	WEEKLY, AFTER STORM EVENTS AND AS NEEDED
TEMPORARY SEEDING	AFTER ROUGH GRADING	WATER AS NEEDED
PERMANENT SEEDING	AFTER FINISH GRADING	WATER AS NEEDED
EROSION CONTROL MATING	AFTER FINISH GRADING	WEEKLY, AFTER STORM EVENTS AND AS NEEDED
STRAW BALES	AFTER FINISH GRADING	WEEKLY, AFTER STORM EVENTS AND AS NEEDED
INLET PROTECTION	AFTER EACH INLET IS PLACED	WEEKLY, AFTER STORM EVENTS AND AS NEEDED
SEED, SO2 & LANDSCAPE AROUND UNITS FINISHED	AFTER FINISHED GRADING AROUND FINISHED UNITS	WATER AS NEEDED
REMOVAL OF STRAW BALES	AFTER ALL AREAS DRAINING TO THESE AREAS ARE STABILIZED	N/A
REMOVAL OF INLET PROTECTION	AFTER ALL AREAS DRAINING TO THESE AREAS ARE STABILIZED	N/A
REMOVAL OF SILT FENCE	AFTER ALL AREAS DRAINING TO THESE AREAS ARE STABILIZED	N/A

* - SEE CHART FOR MAINTENANCE REQUIREMENTS

Innovative
ENGINEERING & CONSULTING

Whitestown, IN 46075
 3961 Perry Boulevard
 Ph: 317-769-2916
 www.innovativeci.com

REVISIONS:

PREPARED FOR:

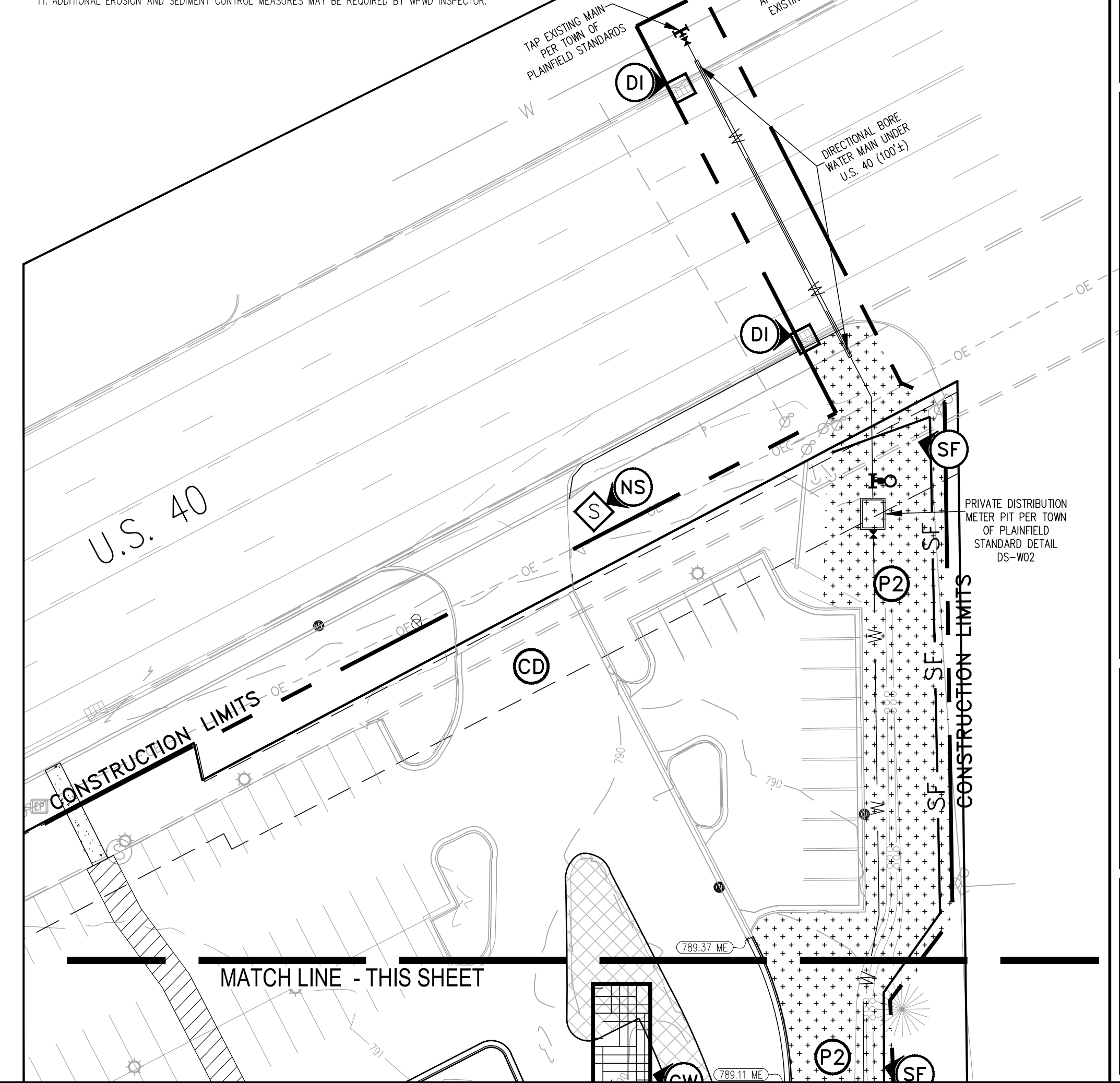
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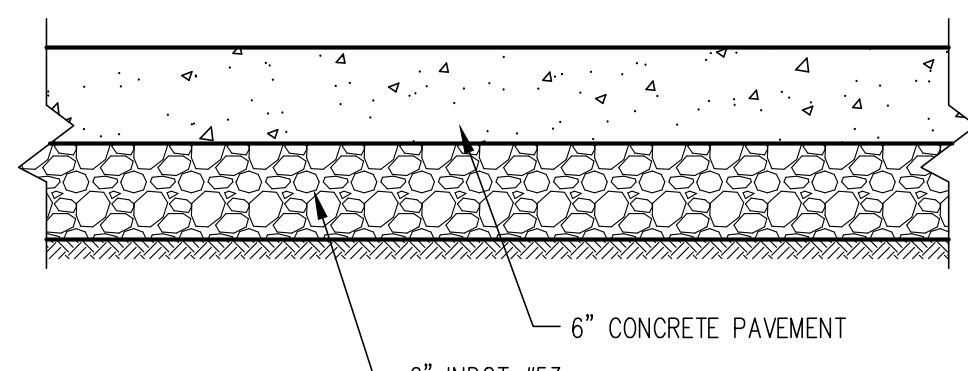
AMAG Commercial Truck Sales
 Building Addition
 Plainfield, Indiana
 Erosion Control Plan

PRELIMINARY PENDING AGENCY APPROVAL

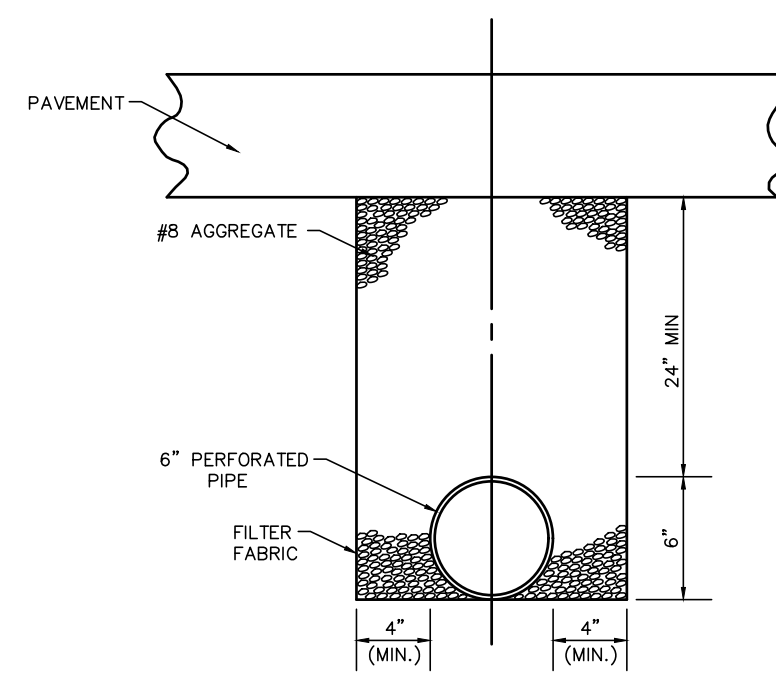
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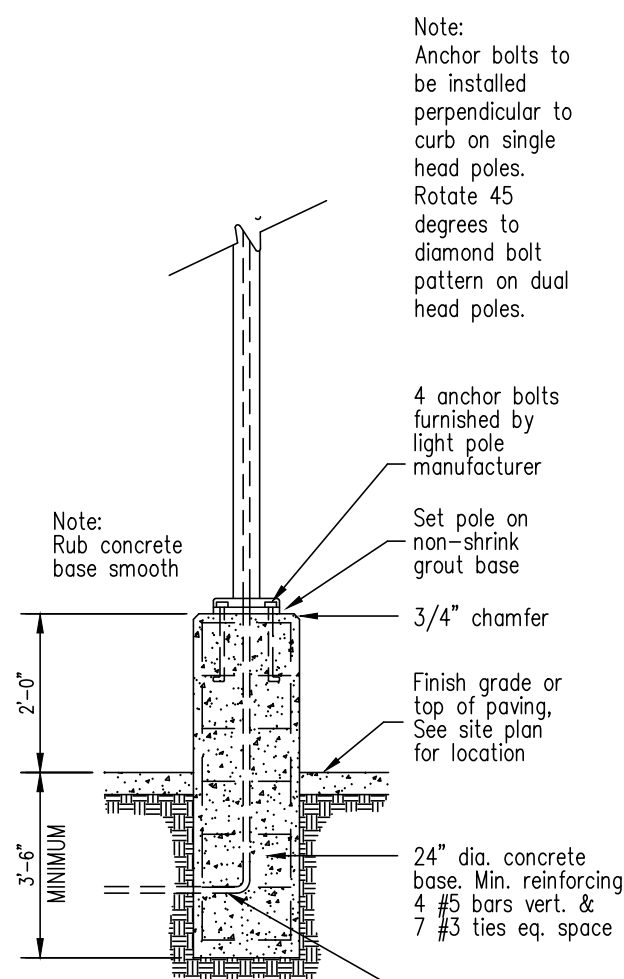




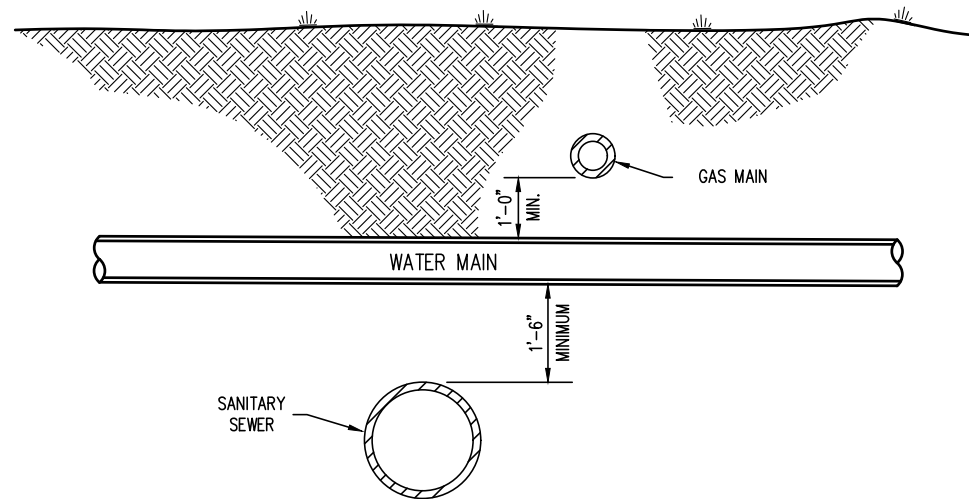
CONCRETE PAVEMENT SECTION
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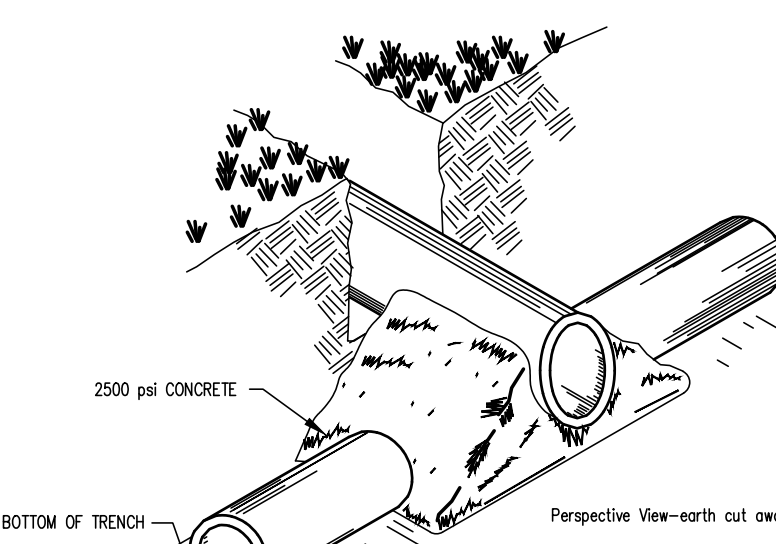
SUBSURFACE DRAIN DETAIL
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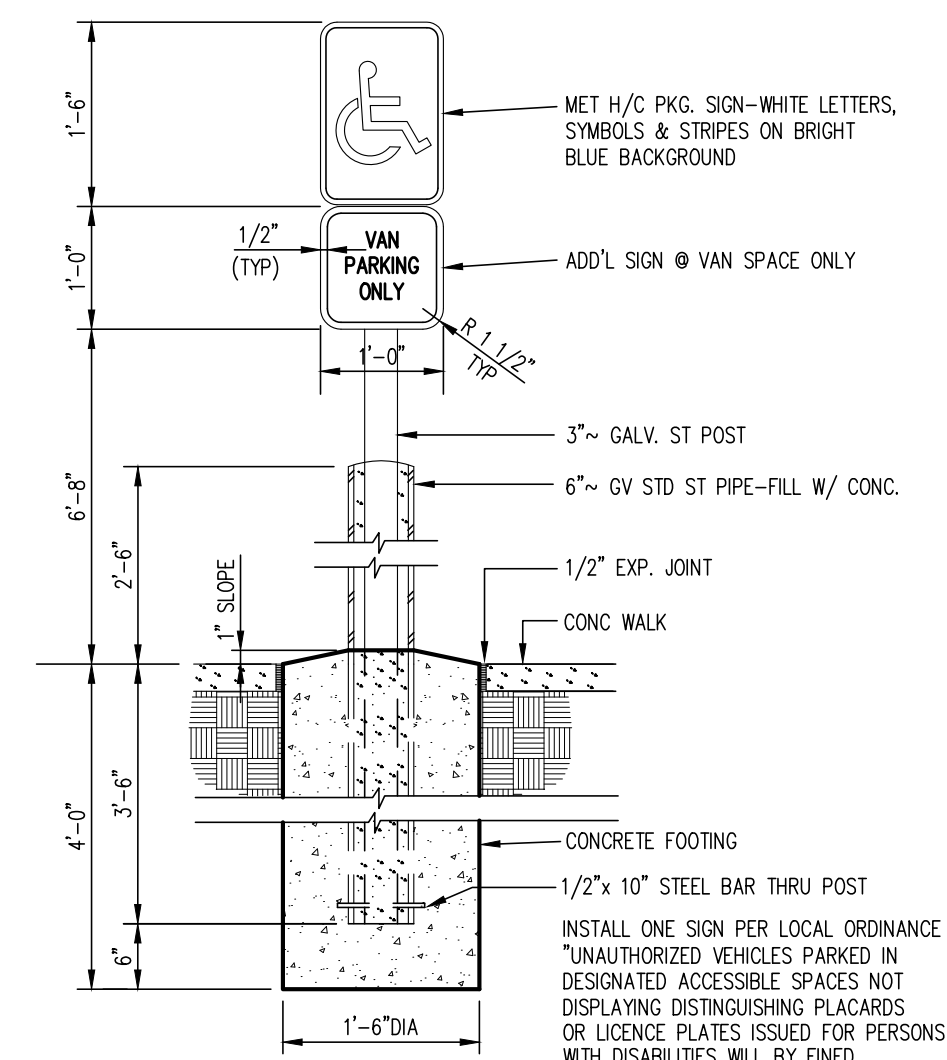
TYPICAL LIGHT POLE & BASE
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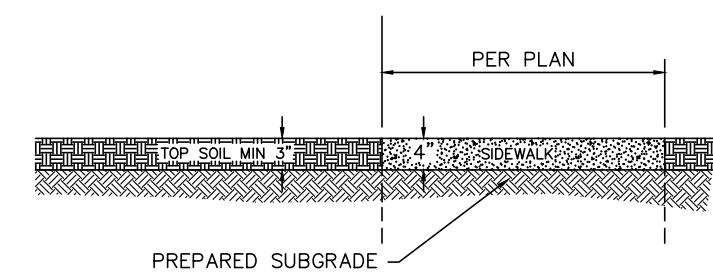
TYPICAL UTILITY CROSSING
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CONCRETE CRADLE
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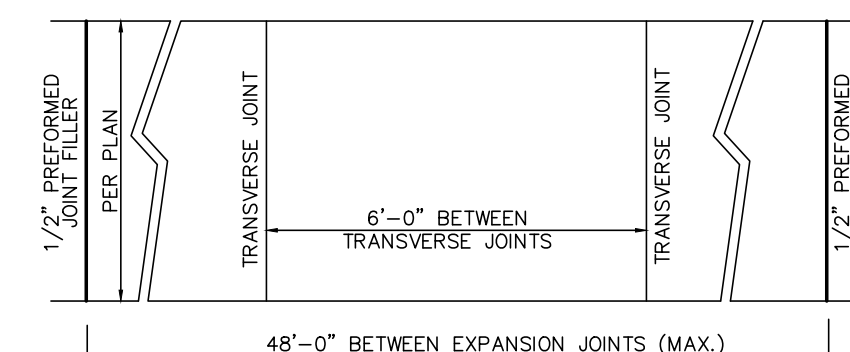


HANDICAP SIGN
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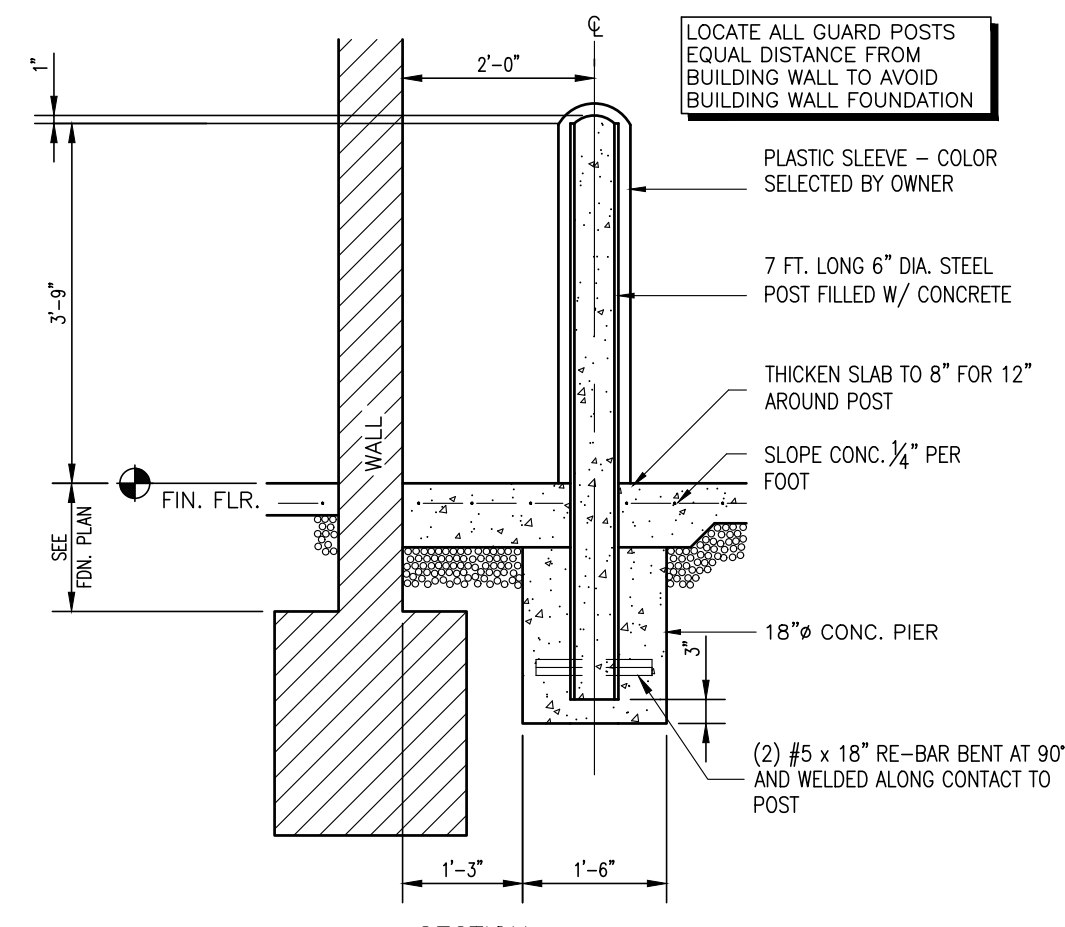


TYPICAL SIDEWALK SECTION
NOT TO SCALE

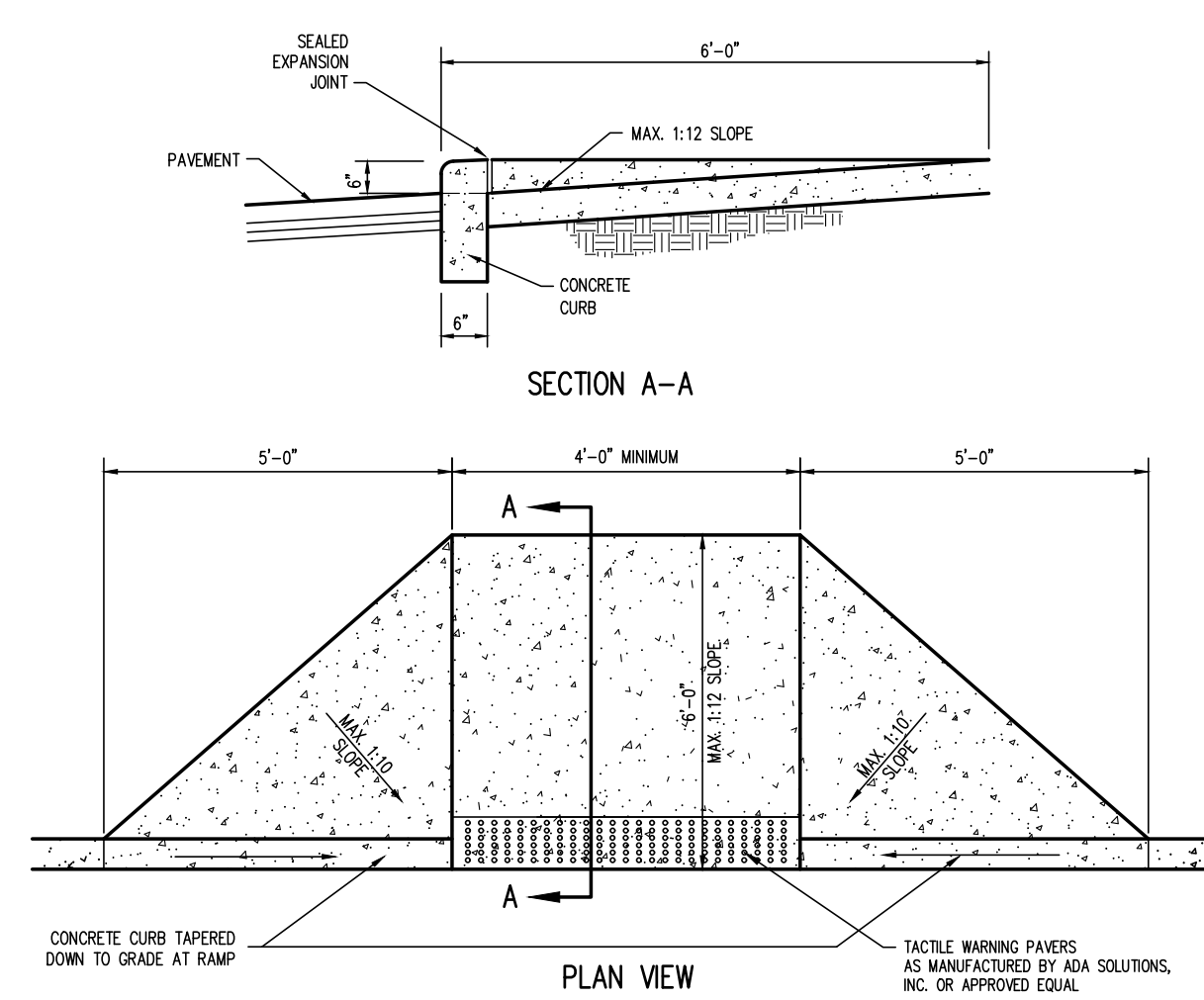
THE SPACE BEHIND THE CURB SHALL BE FILLED WITH SUITABLE MATERIAL TO THE REQUIRED ELEVATION AND COMPACTED IN LAYERS NOT TO EXCEED 6" IN DEPTH. SUBGRADE UNDER ALL CURB, SIDEWALK, AND DRIVES SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 207.02 OF THE STANDARD SPECIFICATIONS.



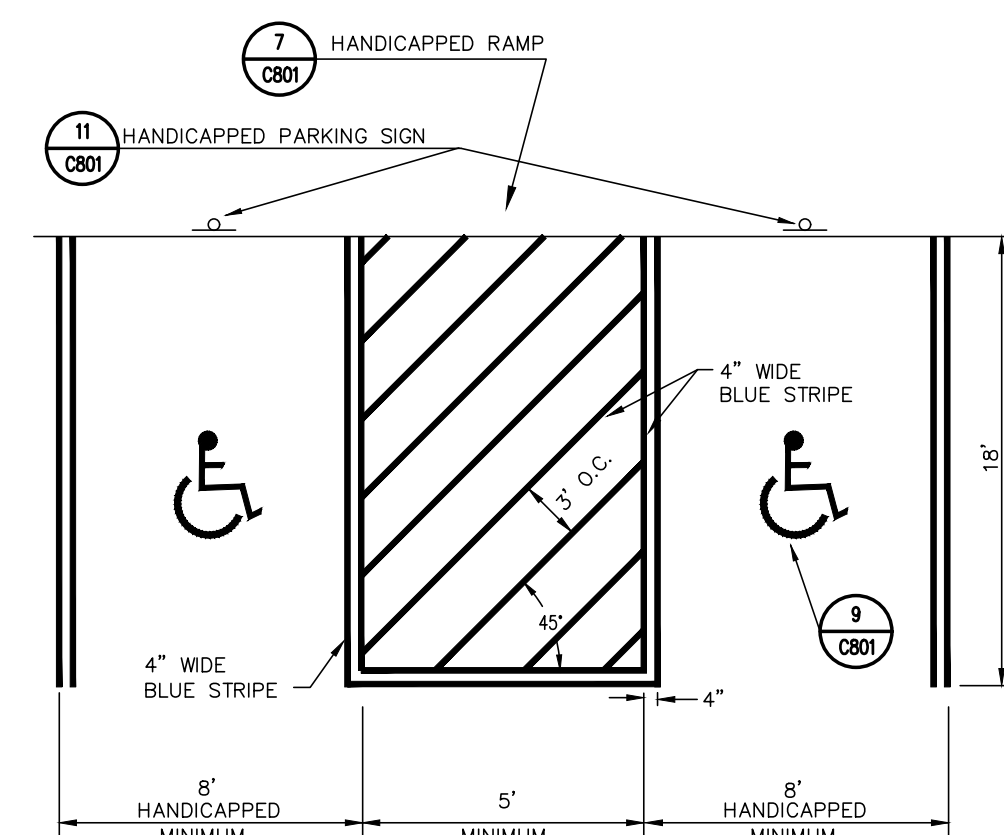
SIDEWALK DETAIL
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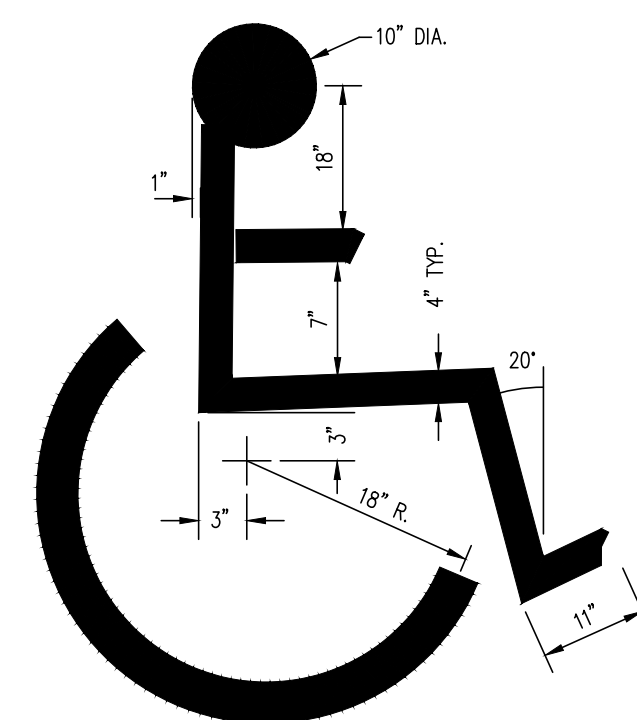
PIPE BOLLARD DETAIL
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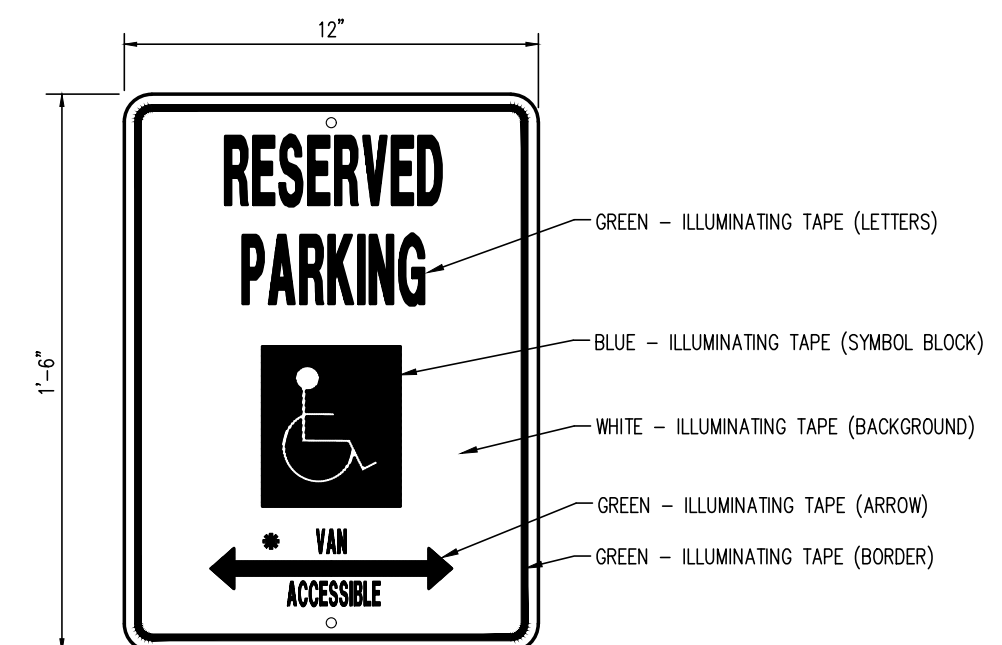
HANDICAP RAMP DETAIL
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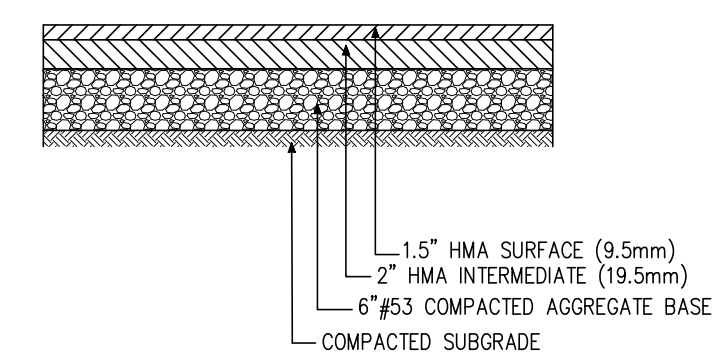
HANDICAP PARKING STALL
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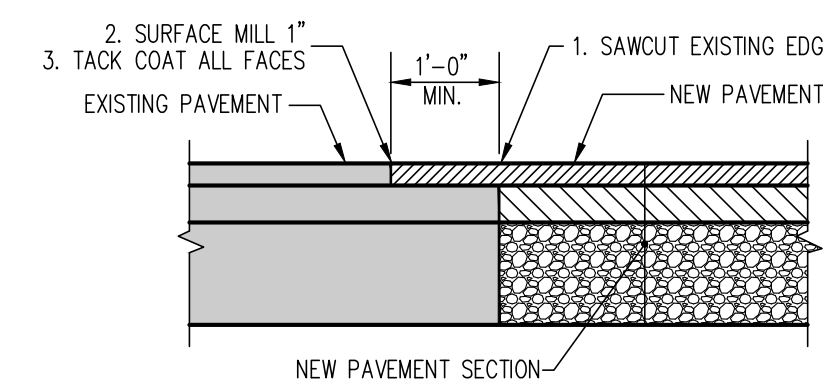
PAINTED HANDICAP SYMBOL DETAIL
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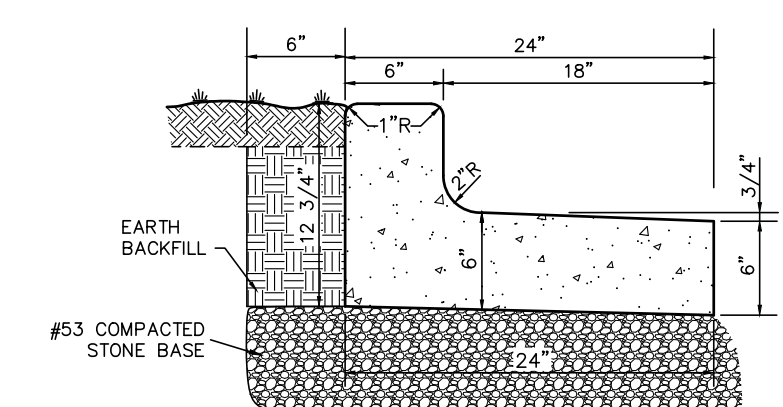
HANDICAP PARKING SIGN DETAIL
NTS



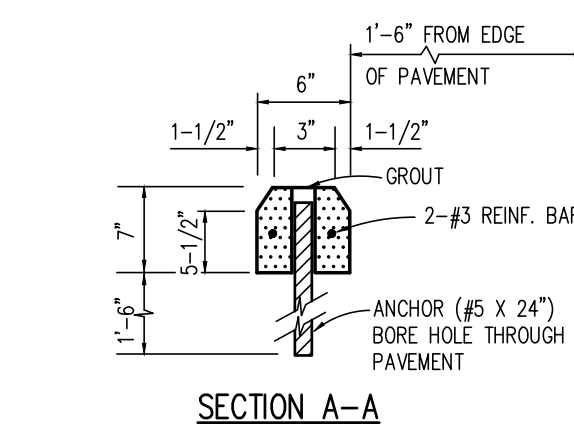
TYPICAL PAVEMENT SECTION
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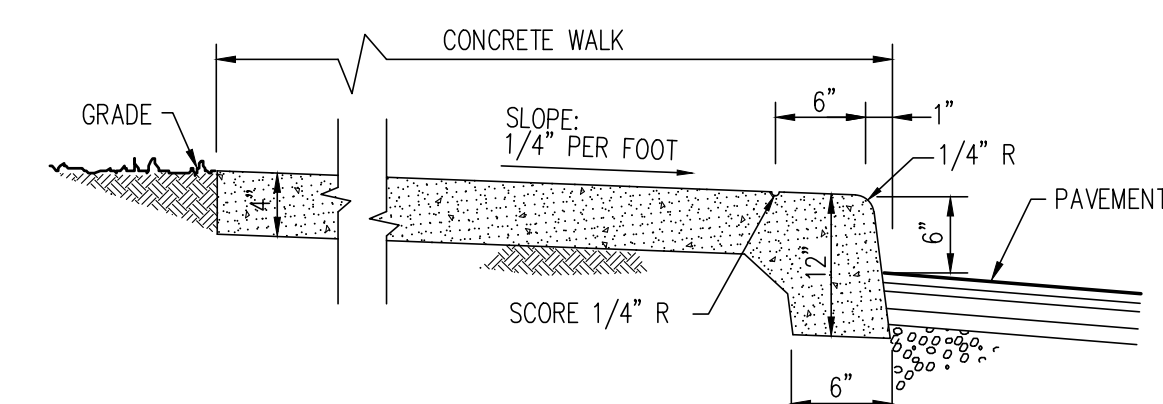
TYPICAL PAVEMENT TIE-IN DETAIL
NTS



2' CONCRETE CHAIRBACK CURB (WITHOUT GUTTER)
NTS



PRECAST CONCRETE WHEEL STOP
NTS



CONCRETE CURB AND WALK
NTS

SECTION 0100

GENERAL SCOPE OF WORK

1.01 WORK INCLUDED

- A. The Contractor shall furnish all labor, services, materials, tools, transportation, and utility services necessary for and incidental to the complete construction of the proposed project, as shown by the plans or as herein specified, or both, including any issued addenda.
B. The work to be done shall not be limited to the exact extent described in the specifications and/or drawings, but shall include all incidental work necessary or customarily done for the completion of the project.
C. PERMITS: The Contractor shall procure and pay for all utility permits not previously obtained by the Owner that are necessary relative to the proposed construction activities.

1.02 SANITARY REGULATIONS

- A. The Contractor shall provide adequate sanitary conveniences for the use of those employed on the work, and their use shall be strictly enforced. Such conveniences shall be made available when the first employees arrive on the site, shall be properly secluded from public observation, and shall be constructed and maintained at such points and in such manner as may be approved.
B. The Owner shall have the right to inspect any building erected, maintained or used by the Contractor to determine whether or not the sanitary regulations are in compliance with all applicable codes.
C. The Contractor shall rigorously prohibit the committing of nuisances upon the lands of the Owner or others about the works, or upon adjacent property.

1.03 WATER FOR CONSTRUCTION PURPOSES

- A. The Contractor, at his own expense, shall provide all water required for construction or sanitary purposes.

1.04 ELECTRICAL ENERGY

- A. The Contractor shall make all necessary applications, arrangements, and pay all fees and charges for electrical energy for power and light required for the proper completion of this contract. The Contractor shall provide and pay for all temporary wiring, switches, connections and meters.
B. There shall be sufficient artificial light by means of electricity so that all work may be done in a workmanlike manner when there is insufficient daylight.
1.05 TEMPORARY HEAT
A. If temporary heat is required for the protection of the work, the Contractor shall provide and install approved heating apparatus, and shall provide adequate and proper fuel and maintain heat as required.
B. Temporary heating apparatus shall be installed and operated in such manner that the finished work will not be damaged thereby.

1.06 MATERIALS, SAMPLES, APPROVAL

- A. Unless otherwise indicated on the drawings or specified, only new materials and equipment shall be incorporated in the work. All materials and equipment furnished by the Contractor, to be incorporated in the work, shall be subject to the inspection and approval by the Engineer prior to installation. No material shall be processed or fabricated for, or delivered to, the work site without being subject to prior approval of the Engineer, except at the risk of the Contractor.
B. The Contractor may be required to submit to the Engineer data relating to materials and equipment the Contractor proposes to furnish for the work. Such data shall be in sufficient detail to enable the Engineer to identify the particular product in question, and to form an opinion as to its conformity to the contract requirements.
C. Facilities and labor for the handling and inspection of all materials and equipment shall be furnished by the Contractor. Defective materials and equipment shall be immediately removed from the site of the work.
D. If the Engineer so requires, either prior to or during the progress of the work, the Contractor shall submit samples of materials for such special tests as may be necessary to demonstrate that such materials conform to the specifications. Such samples shall be furnished, taken, packed, and shipped as directed at the expense of the Contractor. Except as otherwise noted, the Owner shall make arrangements for and pay for the tests.
E. All samples shall be packed so as to reach their destination in good condition and shall be so labeled as to indicate the materials represented, the name of the work and location for which the material is intended, and the name of the Contractor submitting the sample. To insure consideration of samples, the Contractor shall notify the Engineer by letter that the samples have been shipped and shall properly describe the samples in the letter. In no case shall said letter of notification be enclosed with the samples.
F. When required, the Contractor shall submit data and samples, or place his orders sufficiently early to permit consideration, inspection, testing, and approval before the materials are necessary for incorporation in the work. Any delay resulting from the Contractor's failure to do so shall not be used as a basis of a claim against the Owner or the Engineer.

2.01 APPROVAL OF CONSTRUCTION MATERIALS

- A. When required, the Contractor shall submit to the Engineer information regarding the material, manufacturer, any pertinent catalog or model numbers and design criteria of all materials furnished by the Contractor. No such materials shall be installed without the written approval of the Engineer.
B. When required, the Contractor shall furnish to the Engineer, triplicate sworn copies of manufacturer's shop or mill test (or reports from independent testing laboratories) relative to materials and concrete data, equipment performance ratings.
C. After approval of the samples, data, etc., the materials and equipment used on the work shall correspond therewith.

2.02 HANDLING AND DISTRIBUTION

- A. The Contractor shall, at his own expense, handle, haul, and distribute all materials, equipment, and all surplus materials on the different portions of the work as required. The Contractor shall provide suitable and adequate storage for materials and equipment during the progress of the work, and be responsible for any loss of, or damage to, materials and equipment furnished or accepted by the Contractor until the final acceptance of the work.
B. Delays in handling involving storage and/or demurrage charges by the railroad company shall be at the expense of the Contractor.

3.01 CONTRACTOR'S SHOP AND WORKING DRAWINGS

- A. When required, Contractor shall submit for approval, shop or working drawings for all equipment and materials fabricated for this project and for which drawings are especially requested.
B. When required, material shall be purchased or fabricated for equipment to other features until the Engineer has certified that the shop or working drawings conform to the contract requirements. All materials and work involved in the construction shall then be as represented by said drawings.
C. "DELETED"
D. When required, all shop or working drawings shall be submitted in three copies (unless otherwise specified) to the Engineer through the Contractor. Only drawings which have been checked and corrected by the material fabricator shall be submitted. The Contractor shall be responsible for the prompt submission of all shop or working drawings so that there shall be no delay to the work due to the absence of such drawings. Additional prints of approved drawings shall be furnished, as required.
E. The approval of shop and working drawings, etc., will be general and shall not relieve the Contractor from the responsibility for details of design.

4.01 OCCUPYING PRIVATE LAND

- A. The Contractor shall not (except after consent from the proper parties is granted) enter or occupy with men, tools, materials, or equipment any land outside the easements or property of the Owner.

4.02 INTERFERENCE WITH AND PROTECTION OF STREETS

- A. The Contractor shall not close or obstruct any portion of a street, road, or private way without obtaining permits from the proper authorities. If any streets or private way shall be rendered unusable by the Contractor's operations, the Contractor shall make such repairs or provide such temporary ways and/or guards as shall be acceptable to the Engineer.

4.03 PROTECTION TO PROPERTY

- A. Materials delivered shall be neatly, safely, and compactly piled along the sides of the roadway in which the improvement is located, adjacent thereto, or as the Engineer may direct, in such manner as to cause the least inconvenience and damage to property and to the general public, and not within five (5) feet of any fire hydrant. Private drives and street crossings shall be kept unobstructed.
B. The Contractor shall be responsible for protecting all existing facilities during the entire period of construction. Any damage to existing facilities caused by the Contractor shall be repaired by the Contractor at his expense and in a manner approved by the Engineer.

5.01 BARRICADES AND PROTECTION

- A. The Contractor shall provide proper barricades and rails as directed, not only for the protection of the public generally, but also as may be required to prevent intrusion by and possible accident to children and other persons, and to protect such warning signs, red flags and lanterns shall be provided and maintained day and night, as required.
B. The Contractor shall:
C. Protect the excavation and trenches from damage due to rain water, ground water, backing of drains and sewers, and all other water. Provide all pumps and equipment and enclosures to provide such protection.
D. Remove all snow and ice as may be required for the proper protection and/or execution of the work. Provide and maintain guard lights of all barricades, railings, obstructions in the streets, roads, or sidewalks, and at all trenches or pits adjacent to public walks or roads.
E. Provide protection against weather (i.e. rain, wind, storms, frost, or heat) so as to maintain all work, materials, apparatus, and fixtures from injury or damage.
F. Any work damaged by failure to provide protection, as required above, shall be removed and replaced at the Contractor's expense.

6.01 RESPONSIBILITY TO PROTECT UTILITY INSTALLATIONS

- A. The Contractor shall at all times exercise such precautions as may be necessary to protect the Owner from any liability resulting from the damage, injury, or interruption of any utility installations, including gas mains, water mains, power cables, telephone cables, telegraph cables, T.V. cables, storm sewers, or any other such utilities as may be encountered underground or on the surface. In the event any of the Contractor's activities conflict with any of the aforesaid installations in the course of construction, the Contractor shall forthwith notify the Engineer of such conditions, and shall not move any of the aforesaid utility installations without the express written consent of the Owner.
2. As required, provide accurate survey information indicating locations and elevations of all underground utility lines, including elevations, location, and change of direction of piping, conduits, valves, fittings, tanks and manholes.

6.02 INSUFFICIENCY OF SAFETY PRECAUTIONS

- A. If, at any time, in the opinion of the Engineer, the work is not properly lighted, barricaded, and in all respects safe with respect to public travel, persons on or about the work, or public or private property, the Engineer shall have the right to order such safeguards to be erected and such precautions to be taken as the Engineer deems advisable and, the Contractor shall promptly comply with such orders.

7.01 WORK TO CONFORM

- A. All work shall conform during its progress and at its completion truly to the lines, levels, and grades indicated on the drawings, or as provided by the Engineer, and shall be built in a thoroughly substantial and workmanlike manner, in accordance with the plans, specifications, and directions as provided by the Engineer.
B. All work done without instructions having been given therefore by the Engineer, or completed without proper lines or levels shall not be estimated or paid for except when such work is authorized by the Engineer in writing. Work so done may be ordered uncovered, removed, and replaced at the Contractor's sole cost and expense.

8.01 PRECAUTIONS DURING ADVERSE WEATHER

- A. During adverse weather the Contractor shall take all necessary precautions so that the work may be properly performed.

- B. During cold weather, materials shall be protected, as required, and the materials and adjacent structures into which said materials are to be incorporated shall be kept sufficiently warm so that a proper bond shall occur and a proper curing, aging, or drying will result. Protected spaces shall be artificially heated, by approved means which will result in a moist or a dry atmosphere according to the particular requirements of the work being protected. Ingredients for concrete and mortar shall be sufficiently heated so that the mixture shall be warm throughout when used.
C. The Engineer may suspend construction operations at any time when in his judgment the conditions are unsuitable or the proper precautions are not being taken.

8.02 CUTTING AND PATCHING

- A. The Contractor shall leave all chases or openings for the installation of his, or any other contractor's work, or shall cut the same in existing work and shall assure that all sleeves or forms are at the work and properly set in ample time to prevent delays. The Contractor shall be responsible that all chases, openings, and sleeves are accurately located, and of proper size and shape.
B. In case of the Contractor's failure to have, or to cut, all such openings and/or have all such sleeves provided and set in proper time, the Contractor shall cut them or set them afterwards at the Contractor's expense, but in so doing shall confine the cutting to the smallest amount possible consistent with the work to be completed. In no case shall piers or structural members be cut without the consent and approval of the Engineer.
C. "DELETED"
D. "DELETED"

8.03 CONTINUITY OF WORK

- A. The Contractor must complete the work as it progresses and restore the site of the work as nearly as possible to its original, or proposed, condition as soon as the work is completed.

8.04 LINES, GRADES, MEASUREMENTS

- A. The Owner shall employ, at his own expense, a competent surveyor certified as a Professional Registered Land Surveyor in the State of Indiana. Based on reference points and benchmarks to be provided by the Owner, said surveyor shall establish all lines, elevations, reference marks, etc., for the Contractor.
B. A "one-time" staking and cost incurred thereof for all improvements to be performed, per the plans as prepared by Benchmark Consulting, Inc., shall be provided at the Owner's expense. Any and all costs incurred relative to the restaking of any item, regardless of reason, shall be performed at the Contractor's expense. Be advised that a pre-construction meeting between the Owner and Contractor shall be conducted to determine the method of construction staking and to establish the identity of reference parties representing each entity relative to construction staking activities.
C. The Contractor shall provide all measurements and confirm all dimensions necessary for the proper construction of the work called for by the drawings and specifications. During the prosecution of the work, the Contractor shall make all necessary measurements to prevent any misfitting. The Contractor shall be responsible for the accurate construction of all proposed improvements.
D. Adjustment of grades shown on drawings may be necessary to conform to actual field conditions or to maintain cover with respect to proposed grades. Such adjustments shall be considered part of the job conditions and no extra compensation shall be allowed for such changes, except where specifically otherwise noted in the plans and specifications. Such adjustments must be approved by the Engineer prior to being performed.

8.05 RECORD DOCUMENTS

- A. Description
1. Definitions: Record copies are defined to include those documents relating directly to performance of the work which the Contractor is required to prepare for the Owner's records. Record copies shall include all revisions in the work from that shown and specified by original contract documents, and provide additional information of value to Owner's records, but not indicated by original contract documents. Record copies include newly prepared drawings, "marked-up" copies of contract drawings, shop drawings, specifications, addenda and change orders, "marked-up" product data submittals, field records for variable and concealed conditions such as excavations and foundations, and miscellaneous record information or work which is otherwise recorded only informally, or not at all. Certain individual sections of these specifications may indicate specific record requirements which extend the requirements of this section.

A. Record Product Data

- B. As required and during progress of the work, the Contractor shall maintain one copy of each product data submittal, and mark up significant variations in the actual work in comparison with submitted information. Include both variations in product as delivered to the site, and variations from manufacturer's instructions and recommendations for installation. Identify concealed products and portions of the work which cannot be identified after concealment. Note related change orders and mark up or record drawings and specifications. Upon completion of mark-up, submit complete sets to the Engineer for Owner's records. Label each data submittal "AS-BUILT" in 1-1/2"-inch high letters.

8.07 SITE CLEAN-UP AND RESTORATION

- A. In addition to the cleaning requirements set forth in the "General Conditions", the Contractor shall keep the working area free of all lines of tools, materials and equipment not essential to the progress of the work. Debris, waste materials, and rubbish shall be properly disposed of and not allowed to accumulate. If the Contractor should fail to do this, the Owner shall make the necessary arrangements to effect the clean-up by others and shall book charge the cost to the Contractor. If such action becomes necessary on the part and in the opinion of the Owner, the Owner will not be responsible for the inadvertent removal of material which the Contractor would not have disposed of had the Contractor affected the required clean up.

- B. Where material or debris has washed, flowed into, or been placed in watercourses, ditches, gutters, drains, catch-basins, or elsewhere as a result of the Contractor's operations, such material or debris shall be entirely removed and satisfactorily disposed of during progress of the work, and the ditches, channels, drains, etc., kept in a clean and neat condition.
C. On or before the completion of the work, the Contractor shall, unless otherwise directed or permitted in writing by the Owner, tear down and remove all temporary buildings and structures built by the Contractor; shall remove all temporary works, tools, and machinery or other construction equipment furnished by the Contractor; shall remove, acceptably disinfected, and cover all organic matter and material containing organic matter in, under, and around privies, houses, and other buildings used by the Contractor; shall remove all rubbish from any grounds which the Contractor has occupied; and shall leave the roads and all parts of the premises and adjacent property affected by the Contractor's operations in a neat and satisfactory condition.

- D. The Contractor shall restore or replace, when and as directed, any public or private property damaged by the Contractor's work, equipment, and/or employees to a condition at least equal to that existing immediately prior to the beginning of operations. To this end the Contractor shall do as required all necessary highway or driveway, walk, and landscaping work. Suitable materials, equipment, and methods shall be used for such restoration.

- E. The Contractor shall thoroughly clean all materials and equipment installed and upon completion of the work shall deliver the site in its proposed condition and new appearing condition.

SECTION 01090

REFERENCE STANDARDS

- A. The Contractor, all subcontractors, equipment and material suppliers shall ensure that construction, installation, equipment, products and materials, shall conform to the requirements and specifications of the latest printed edition of the following standards and codes, as applicable, including, but not limited to:
AASHTO American Association of State Highway & Transportation Officials
ACI American Concrete Institute
AIA American Institute of Architects
AISC American Institute of Steel Construction, Inc.
AISI American Iron and Steel Institute
ANSI American National Standards Institute, Inc.
APWA American Public Works Association
ASCE American Society of Civil Engineers
ASSE American Society of Testing & Materials
ASTM American Welding Society
AWWA American Water Works Association
BSCA BSCA National Plumbing Code
CS Commercial Standards
FCI Fluids Control Institute
FM Factory Mutual
FS Federal Specifications
IOSHA Indiana Occupational Safety & Health Act
ISBH On Site Water Supply & Wastewater Disposal for Public & Commercial Establishments, Bulletin S.E. 13
INDOT Indiana Department of Transportation
MWSBC Model Specifications for Water and Sewer Construction in Indiana
NAAMM National Association of Architectural Metal Manufacturers
NEC National Electric Code
NFPA National Fire Protection Association
NEMA National Electric Manufacturers
NSB National Bureau of Standards Engineers
NSF National Sanitation Foundation
NSPE National Society of Professional Engineers
OSHA Occupational Safety & Health Act
PII Plastic Pipe Institute
Recommended Standards for Sewage Works
Recommended Standards for Water Works
UBC Uniform Building Code
UL Underwriters Laboratory, Inc.
UMC Uniform Mechanical Code
UNI-Bell Uni-Bell PVC Pipe Association
UPM Uniform Plumbers Code
USPS US Product Standards
WPCF Water Pollution Control Federation

2.01 SUBMITTALS

- A. If more than one specification applies to any one particular material, product, product model, or installation, the Contractor shall consult with the Engineer to determine the applicable specification or standard.

SECTION 01100

PROJECT DESCRIPTION

PART 1 - GENERAL

- 1.01 SCOPE
A. The Contractor shall perform all work required to complete the project in accordance with the drawings and specifications as prepared by Benchmark Consulting, Inc., and shall provide and furnish all labor, materials, tools, equipment, transportation, services and supervision to install all items of construction.
B. The Contractor shall thoroughly familiarize himself with the Contract Documents, Local, State and Federal Law and Ordinances and all other matters which can in any way affect the work as proposed by the plans as prepared by Benchmark Consulting, Inc.
C. The Contractor shall be responsible for verifying that all required permits and approvals have been obtained from the respective Town, County, Conservancy, and State agencies prior to the commencement of any construction activities.
D. It shall be the Contractor's responsibility to determine the exact location of all existing utilities in the vicinity of the construction area prior to the commencement of any construction activity.
E. It shall be the Contractor's responsibility for notification and coordination of all construction activities with the respective utility companies.
F. It shall be the responsibility of the Developer and Contractor to maintain quality control throughout the project. Failure to do so may result in removal or replacement of the defective work. It is required that the Contractor have a qualified Superintendent on the job site at all times during construction.
G. It is essential that the work to be done in conjunction with this project be installed according to these plans and specifications. Benchmark Consulting, Inc. shall be required to certify to certain portions of this project upon completion; therefore, to obtain approval and acceptance by all appropriate agencies, documentation shall be required to confirm that improvements performed are in substantial compliance with these plans and specifications.

1.02 PROJECT DESCRIPTION

- A. The project shall consist of earthwork and grading operations, the construction of roads, curbs, all associated work as shown on the drawings, and as indicated in the specifications as prepared by Innovative Engineering & Consulting Inc.

REGULATORY REQUIREMENTS SECTION 01065

1.01 SCOPE

- A. The Contractor shall comply with all applicable Federal, State and Local Codes, including but not limited to:
1. Occupational Safety & Health Act of 1970, as amended
2. The National Electric Code
3. National Electric Safety Code
4. Uniform Building Code, latest edition
5. Life Safety Code
6. National Fire Protection Association Code, latest edition
7. The BOAG National Plumbing Code, latest edition
8. Indiana Plumbing Code, latest edition
B. All work performed, materials furnished, or equipment supplied and installed under this project shall conform to all requirements of the Indiana Department of Environmental Management, to the Recommended Standards for Water Works ("IO State Standards"), current edition, and all Federal requirements relating to water facilities.
C. All work shall comply with all utility regulations.

TEMPORARY FACILITIES SECTION 01500

PART 1 - GENERAL

- 1.01 DESCRIPTION
A. The Contractor shall provide the following temporary facilities:
1. Sanitary facilities.
2. Barricades and enclosures.
3. Field office (Contractor's option).
4. Telephone services.
5. Utility connections, maintenance & removal.
B. Temporary structures required by Subcontractors, for storage or other purposes in the performance of their contracts, shall be located and erected only with the approval of Engineer and shall be removed and premises cleaned of all debris when directed.
C. The Contractor shall furnish and pay cost of power.
1.02 REQUIREMENTS OF REGULATORY AGENCIES
A. Obtain and pay for permits as required by authorities.
B. Comply with all applicable Federal, State, and Local Codes, including but not limited to:
1. Occupational Safety and Health Act of 1970, as amended.
2. National Electric Code.
3. National Electric Safety Code.
4. Uniform Building Code, latest edition.
5. Life Safety Code.
C. Comply with utility regulations.

PART 2 - PRODUCTS

- 2.01 TEMPORARY STRUCTURES (When Provided)
A. Storage Sheds:
1. Provided by each Subcontractor, as required.
2. Coordinate location and removal with General Contractor.
B. Enclosures:
C. Provide temporary weather tight enclosures for all exterior openings.
D. Equip exterior doors with locks and closures.
E. Provide lights, signs and barricades as required to protect construction personnel and the general public.
F. Sanitary Facilities:
G. Provide and maintain, in sanitary condition, approved type temporary toilet facilities.
1. Toilets shall be portable type equal to Sanitary units.
2. Remove temporary toilets upon completion of work.
E. Field Offices:
1. Furnish, install, and maintain field office.
2. General Contractor's offices required for general use and project meetings.
3. Option: portable trailer units.
4. Adequate office equipment for construction coordination and shop drawing storage.
5. Automatic heating and ventilating equipment.
6. Emergency first-aid equipment, ABC fire extinguisher and extra hard hats.
7. Drinking water supply.
8. Telephone with loud outside going.
9. Provide locks on doors.

2.02 TEMPORARY UTILITIES

- A. Temporary Electricity and Water
1. The Contractor shall at his expense arrange for the provision, distribution, and continuance throughout the Work of temporary electrical power. All elements of such electrical service shall conform to the regulations of the National Electric Code and the Safety Code for the Construction Industry. All temporary wiring shall include a green equipment grounding conductor, and the entire temporary electrical service shall have equipment grounding continuity, all outlets for the connection of portable equipment shall be of the grounding type. Contractor and subcontractors shall be responsible for all necessary wiring and extension cords to reach from the nearest outlet of adequate capacity to the point of operation; all such devices shall conform to the requirements specified herein.

PART 3 - EXECUTION

- 3.01 INSTALLATION
A. Temporary Structures
1. Locate to avoid interference with work.
2. Relocate as required and/or directed by Designer.
3. Construct on stable foundation with code approved service connections.
B. Temporary Electrical Services:
1. Service and distribution may be overhead or underground.
2. Locate lighting controls at entrance to each area.
3. Do not run branch circuits on floor.
3.02 PROTECTION
A. Safety: Maintain lights and barricades on all obstructions and hazards during construction of the project in conformance with Federal and local laws and codes.
B. Fire Protection:
1. Provide multi-purpose dry chemical fire extinguisher at each building.
2. Mount units in protective red enclosures plainly marked and readily accessible.

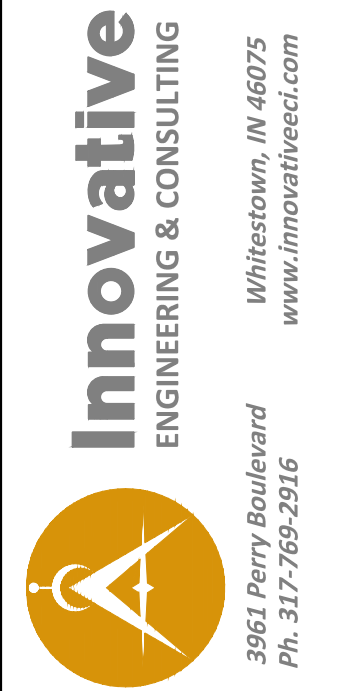


Table with 2 columns: REVISIONS, and empty rows for revision tracking.

PREPARED FOR: Andy Mohr Automotive, 894-L East Highway 36, Avon, IN 46123, 317-715-8181

AMAG Commercial Truck Sales Building Addition

Plainfield, Indiana General Specifications

DATE: 11/02/23, DRAWN BY: kwk, SHEET #: 23116, C901

