

# Rudolph | Libbe

## SITE WORK PRE-PLANNING AND SAFETY CHECKLIST

Job No \_\_\_\_\_ Project Name \_\_\_\_\_ Date \_\_\_\_\_

Company Representative(s) \_\_\_\_\_

Other Representative(s) \_\_\_\_\_

\_\_\_\_\_

### **Safety and General Items**

#### **Existing Site Conditions**

1. Has existing site been photographed or video taped for pre – existing structures and conditions such as damaged curb: \_\_\_\_\_

2. Look at existing structures: \_\_\_\_\_

3. What and where are the existing utilities: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

4. Look at overhead obstructions: \_\_\_\_\_

5. Are there poles, wires, and anchors on or crossing the site: \_\_\_\_\_

6. Can they be relocated, moved, held, or booted for protection: \_\_\_\_\_

7. Notify DigSafe of intent to dig 811

a) Record on dailies by: \_\_\_\_\_

#### **Permits, Permitting, Inspection**

1. Has the local agency (ies) been notified? \_\_\_\_\_ Names of the agency (ies) notified: \_\_\_\_\_

\_\_\_\_\_

EPA permit to install: \_\_\_\_\_ NPDES permit: \_\_\_\_\_

2. Meet with neighbors who will be affected by the project: \_\_\_\_\_

## **Overview of SWPPP Plan and Procedures**

### **Engineering**

1. Has the design included a completed SWPPP drawing for us to follow: \_\_\_\_\_
2. Has the engineer submitted the plan to the governing agencies? \_\_\_\_\_

### **EPA Compliance**

1. Daily inspection binder / log assembled? \_\_\_\_\_ Ready to use? \_\_\_\_\_
2. Designated Site Inspector: \_\_\_\_\_

### **Inspections, Log Book, and Site Record Drawings**

1. Who is responsible for the weekly inspection? \_\_\_\_\_
  - a) Wet weather event inspection? \_\_\_\_\_
3. Where are the record drawings and daily log sheets going to be filed? \_\_\_\_\_

### **Logistics**

1. Are temporary roads required? \_\_\_\_\_ Locations: \_\_\_\_\_  
Removal Required: \_\_\_\_\_ Removal prior to completion? \_\_\_\_\_
2. Does the site space permit topsoil berms to be built, installed, and seeded in lieu of silt fence? \_\_\_\_\_
3. Can the silt fence be easily accessed for:  
Installation? \_\_\_\_\_ Inspection? \_\_\_\_\_ Maintenance? \_\_\_\_\_ Replacement? \_\_\_\_\_
4. If fence is in a wide open field, should wire or fence be strung adjacent to fabric to support it? \_\_\_\_\_  
\_\_\_\_\_
5. Have catch basins been inspected and televised for pre-existing condition reports to be made: \_\_\_\_\_
  - a) Has the local environmental service representative been included in the inspection? \_\_\_\_\_
6. What is the nearest stream, creek or ditch: \_\_\_\_\_
  - a) Should environmental measures be taken here? \_\_\_\_\_

### **Wheel Cleaning or Truck Wash**

1. Does the SWPPP plan require an entrance consisting of Rip Rap or large aggregate for wheel cleaning?

- 
- a) Should the depth of rock be increased for maximum load bearing and minimized maintenance? \_\_\_\_\_
  - b) Should an underdrain be installed to relieve the area of water collection? \_\_\_\_\_
  - c) Is the aggregate specified likely to get caught in the truck tires? \_\_\_\_\_
  - d) Should Tensar Geogrid be installed under the large stone? \_\_\_\_\_
  - e) Does existing site warrant / require a truck wash (dusty / ect.)? \_\_\_\_\_
  - f) Do the site conditions permit / allow sweeping to be performed safely, regularly, and cost effectively?  
\_\_\_\_\_
  - g) Who will perform this work? \_\_\_\_\_
  - h) Is a grease trap / manhole required? \_\_\_\_\_
  - i) Does existing storm drains allow for truck wash to be partially buried? \_\_\_\_\_
  - j) Is a clean water source available? \_\_\_\_\_
  - k) Is a permit required for a truck wash? \_\_\_\_\_
  - l) If used in winter / cold time of year, is there temporary heat available? \_\_\_\_\_
  - m) Is existing traffic likely to be impacted from icing? \_\_\_\_\_
2. Sampling requirements and timing thereof? \_\_\_\_\_

***Earthwork Planning***

**Resources Planning**

- 1. Crew size: \_\_\_\_\_ Production goals: \_\_\_\_\_
  - 2. Equipment types: \_\_\_\_\_
  - 3. Special needs information: \_\_\_\_\_
  - 4. Lead times for special pieces: \_\_\_\_\_
  - 5. List of materials reviewed by team: \_\_\_\_\_
- 
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6. Take off done or review by Foreman: \_\_\_\_\_

7. Can multiple crews be completing work simultaneous of each other: \_\_\_\_\_

8. Special planning or coordination required prior to construction: \_\_\_\_\_

Dozer: Rented / Owned \_\_\_\_\_

Endloader: Rented / Owned \_\_\_\_\_

Backhoe: Rented / Owned / Bucket \_\_\_\_\_

Excavator: Rented / Owned / Bucket / GPS \_\_\_\_\_

9. Notify DigSafe of intent to dig, call 811

a) Record on dailies by: \_\_\_\_\_

**Overview of Terrain**

1. Does site need cleared and grubbed? \_\_\_\_\_ Do stumps need removed? \_\_\_\_\_

2. Has the site topo been completed and processed: \_\_\_\_\_

3. Was AGTEK result verified with actual topo: \_\_\_\_\_

4. Has the Survey Department been notified of need for card? \_\_\_\_\_

a) CADD department? \_\_\_\_\_

5. Does the site need mowed, sprayed or chopped: \_\_\_\_\_

6. Does any cutting / filling need to be done for access: \_\_\_\_\_ Where is your access: \_\_\_\_\_

**Mass Cuts / Fills**

**Resources Planning**

1. Crew size: \_\_\_\_\_ Production goals: \_\_\_\_\_

2. Equipment types: \_\_\_\_\_

3. Special needs information: \_\_\_\_\_

4. Lead times for special pieces: \_\_\_\_\_

5. List of materials reviewed by team: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

6. Take off done or review by Foreman: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

7. Can multiple crews be completing work simultaneous of each other: \_\_\_\_\_

**General**

1. Have the soil borings been reviewed and accounted for: \_\_\_\_\_ Are there any issues: \_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_ Use Existing Soils: \_\_\_\_\_

a) Will soils require (drying, discing and/or aerating) to lower moisture: \_\_\_\_\_

b) Will soil stabilization or mixing be required: \_\_\_\_\_

2. Is topsoil required: \_\_\_\_\_

a) Stockpile or haul-off: \_\_\_\_\_

b) Respread volume required: \_\_\_\_\_

c) What is the limit of stripping put with stone placement: \_\_\_\_\_

3. Has AGTEK been reviewed and verified: \_\_\_\_\_

a) Does AGTEK appear to be correct: \_\_\_\_\_

b) Does site allow staging / stockpiling / re-handling of soils simultaneously: \_\_\_\_\_

c) Does Site Balance: \_\_\_\_\_

d) Haul Off: \_\_\_\_\_ Dump agreement completed: \_\_\_\_\_ Any Permits Required: \_\_\_\_\_

e) Import: \_\_\_\_\_

4. Will multiple pieces of heavy equipment will be working simultaneously: \_\_\_\_\_

5. Will associates be working around equipment: \_\_\_\_\_

6. Are vests required: \_\_\_\_\_ Or Recommended: \_\_\_\_\_

Protection Equipment Required: \_\_\_\_\_ Security: \_\_\_\_\_

7. Fueling will be done via: on-site tanks: \_\_\_\_\_ on-site truck: \_\_\_\_\_ outside vendor: \_\_\_\_\_

a) Special fire protection required for each listed above: \_\_\_\_\_

8. Is work starting at the high end or the low end of the site: \_\_\_\_\_

9. Have you ID'd equipment and personnel interaction (ramps, back-up alarms, ect.): \_\_\_\_\_

**Sandy Soils**

1. Can the soil be screened or mixed and used for fills: \_\_\_\_\_

a) Has the organic level in the soils been determined by an independent lab: \_\_\_\_\_

2. Is there a water source available to saturate sand for compaction: \_\_\_\_\_

**Clay Soils**

1. Natural moisture content: \_\_\_\_\_

2. Optimum moisture content: \_\_\_\_\_

3. Silt content: \_\_\_\_\_

***Site Logistics Planning***

**Site Security and Site Fencing, Site Laydown, and Site Traffic Flow**

**Site Security**

1. Should outside security be contracted: \_\_\_\_\_

2. Is there any night work required: \_\_\_\_\_

3. Does the site warrant temporary lighting: \_\_\_\_\_

**Site Fencing**

1. Has temporary fencing been installed to maximum limits of site (right of way or property lines): \_\_\_\_\_

2. Have gates for access, egress been maximized: \_\_\_\_\_ Quantity: \_\_\_\_\_ Location: \_\_\_\_\_

3. Can fence panels be utilized: \_\_\_\_\_

4. Maximum height of fence required: \_\_\_\_\_

**Site Laydown**

1. Has CADD completed a scaled site drawing: \_\_\_\_\_

a) Has the building footprint been located? \_\_\_\_\_

2. Have trailers and conex boxes been placed onto drawing, including subs' equipment: \_\_\_\_\_

3. Has scheduling department generated a material procurement schedule: \_\_\_\_\_

a) Have these material deliveries been represented on the site drawing: \_\_\_\_\_

b) Can shipments be containerized or placed on trailers for easier site relocations: \_\_\_\_\_

4. Office trailer / steps / location

a) Office equipment: \_\_\_\_\_

b) Posted phone number inside trailer: \_\_\_\_\_

c) Temporary phone: \_\_\_\_\_

d) Internet connection: \_\_\_\_\_

e) Temporary electricity: \_\_\_\_\_

f) Potable water: \_\_\_\_\_

g) Security system: \_\_\_\_\_

h) Items to be posted at jobsite (see attached start-up packet list): \_\_\_\_\_

5. Subcontractors' office trailer area: \_\_\_\_\_

6. Are there parking facilities for Supervisors? \_\_\_\_\_ Tradesmen? \_\_\_\_\_

7. R/L tool trailer / steps / location: \_\_\_\_\_

8. Subcontractors' tool trailer area: \_\_\_\_\_

9. Job Signs? \_\_\_\_\_

10. Storage areas for:

a) Fuel: \_\_\_\_\_

b) Oxygen: \_\_\_\_\_ Acetylene: \_\_\_\_\_

c) Dumpsters: \_\_\_\_\_

d) Print tables: \_\_\_\_\_

e) Gang boxes: \_\_\_\_\_

11. If additional space is warranted, can it be rented closely: \_\_\_\_\_

12. Location of temporary power for trailer and site: \_\_\_\_\_

13. Where does permanent power enter the building? \_\_\_\_\_ Gas? \_\_\_\_\_ Water? \_\_\_\_\_

14. Lay-down areas for R/L and subs.: \_\_\_\_\_

15. Portable toilet locations: \_\_\_\_\_

16. Safety / first aid locations: \_\_\_\_\_

17. Fire fighting equipment: \_\_\_\_\_

18: Communications? \_\_\_\_\_ Common channel on two-way radio: \_\_\_\_\_

19. Organizational structure: \_\_\_\_\_

Who does one talk to for what: \_\_\_\_\_

Between G.C. and all trades: \_\_\_\_\_

20. What is the maximum or “worst case scenario” as far as volume of on site materials: \_\_\_\_\_

a) Space requirements: \_\_\_\_\_

21. Has supplier or distributor been asked about staging at their facility? \_\_\_\_\_

22. If site is utilized for winter, is there adequate space for snow removal? \_\_\_\_\_

23. Can snow be piled near catch basins or ditches to minimize mud during melt? \_\_\_\_\_

**Site Traffic Flow, Temporary Signage, and Traffic Controls**

1. Has general traffic flow pattern been developed: \_\_\_\_\_

a) Have employee parking areas been determined: \_\_\_\_\_

b) Have subs been contacted regarding number of personnel on site: \_\_\_\_\_

c) Can empty trucks utilize one gate: \_\_\_\_\_ Full trucks another: \_\_\_\_\_

d) Is the concrete wash out area located on the exit rout? \_\_\_\_\_



- e) Is there room for deliveries to pull off to the side and let other traffic flow: \_\_\_\_\_
- f) Is there a designated unloading area so as to cue site personnel: \_\_\_\_\_
- g) Is there a turn lane or shoulder area that trucks can use while waiting: \_\_\_\_\_
- 1) Has the turn lane been signed per RIDOT or local agency requirements: \_\_\_\_\_
- h) Are signs going to be posted for routes around the site: \_\_\_\_\_
2. Is there adequate access from the road (designated as a truck route) for trucks to access: \_\_\_\_\_
- a) Are the radiuses large enough for truck trailers: \_\_\_\_\_
3. Is temporary stone thickness sufficient to support heavy truck traffic: \_\_\_\_\_
- a) Should stone be put in as pavement sub-base: \_\_\_\_\_
4. What are the weight limitations? \_\_\_\_\_ Frost laws? \_\_\_\_\_
- 5: Do the existing roads allow heavy truck traffic: \_\_\_\_\_ Permits required: \_\_\_\_\_
6. How do trucks get in and out of the site? \_\_\_\_\_
7. Is there an "In" gate and "Out" gate? \_\_\_\_\_
8. Are there good roadways at the site? \_\_\_\_\_
9. Clear access to truck unloading areas? \_\_\_\_\_
10. Truck-level unloading docks? \_\_\_\_\_
11. Are Truck unloading positions best located for overall materials handling efficiency (minimum handling)?  
\_\_\_\_\_
- 12: Is there a need for a crane access road: \_\_\_\_\_ what are the limits of the road: \_\_\_\_\_
13. Are stop lights required: \_\_\_\_\_ Flaggers: \_\_\_\_\_
- a) Advanced warning signs: \_\_\_\_\_
14. Any one-way street problems? \_\_\_\_\_
15. Will local traffic be a problem? \_\_\_\_\_ At rush hours? \_\_\_\_\_ Shift changes? \_\_\_\_\_
16. Are efficient traffic patterns made clear to everyone on site? \_\_\_\_\_

**Housekeeping Plan and Garbage Removal**

1. Compactor: \_\_\_\_\_ Recycling: \_\_\_\_\_
2. Are large dumpsters provided at ground level? \_\_\_\_\_
3. Concrete washout area? \_\_\_\_\_
4. Are small dumpsters (on wheels or pallets) provided on each floor / area? \_\_\_\_\_
5. Who moves what to where? \_\_\_\_\_
- a) Small garbage (personal and small items)? \_\_\_\_\_
- b) Trade garbage? \_\_\_\_\_
- c) Demolition garbage? \_\_\_\_\_
6. Floor sweeping? \_\_\_\_\_
- Who does it? \_\_\_\_\_ When? \_\_\_\_\_

**Dewatering****Overview of Topo. And Ex. Surface Drainage****Drainage**

1. Does the site have natural drainage: \_\_\_\_\_
2. Can site surface be modified to provide drainage: \_\_\_\_\_
3. Is the site typically wet? \_\_\_\_\_
4. Does underground drainage need to be installed prior to work start: \_\_\_\_\_
5. Do soils allow sheet drainage: \_\_\_\_\_
6. Should site be dewatered prior to start of project: \_\_\_\_\_
7. What level is existing water table: \_\_\_\_\_
- a) Is it purged water: \_\_\_\_\_
8. Does the soil sub-strata allow groundwater to travel: \_\_\_\_\_
9. What is nearest stream, creek or ditch: \_\_\_\_\_
10. Should environmental measures be taken here: \_\_\_\_\_

- 11. Is storm outlet of system unrestricted: \_\_\_\_\_
- 12. Does existing line service other areas prone to flooding: \_\_\_\_\_
- 13. Existing lines' condition and preservation: \_\_\_\_\_
- 14. Does site rely on existing field tile to property drain: \_\_\_\_\_
  - a) Will these be intercepted: \_\_\_\_\_
- 15. How many do we want to preserve and/or operate: \_\_\_\_\_
- 16. Is work starting at the high end or the low end of the site: \_\_\_\_\_

**Dewatering method – French drain / finger drain / stone trench**

- 1. Diameter of tile properly sized for the area: \_\_\_\_\_
- 2. Does the tile need to have a sock: \_\_\_\_\_
- 3. Has the tile been aligned to match foundations, roads, etc.: \_\_\_\_\_
- 4 Is the tile deep enough to drain foundations, etc., to alleviate pumping: \_\_\_\_\_
- 5. Does aggregate need to be #57 or #8: \_\_\_\_\_
- 6. Does tile backfill need to be premium (so Gradalls can travel over trench): \_\_\_\_\_
- 7. Is the new line tying into an existing line: \_\_\_\_\_
- 8. Has trench stone been considered prior backfill with native material: \_\_\_\_\_
- 9. Does tile require a cleanout for maintenance: \_\_\_\_\_
- 10. Should a back-up system be installed also: \_\_\_\_\_

**Stand Pipe and Pump Installation**

- 1. Where will the pumps discharge to: \_\_\_\_\_  
\_\_\_\_\_
- 2. Is there temporary power available: \_\_\_\_\_
- 3. Has standpipe been properly sized to allow maximum inflows thus maximum efficiency on the pump  
(12"/15"/18"/24"/30"/36") \_\_\_\_\_
  - a) If over 10" in diameter, can the pipe be extended to 3' or 4' above ground to eliminate fall hazard: \_\_\_\_\_

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4. Does the pipe depth or alignment require a machine / machine access for placing and pulling the pump:

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5. Has the Area been excavated to the correct elevation: \_\_\_\_\_

a) Has the stand pipe been placed 2' to 4' below this grade: \_\_\_\_\_

6. Will multiple stand pipes be required: \_\_\_\_\_

7. Has the pipe been verified for the elevation of the water table: \_\_\_\_\_

### ***Utility Work Planning***

#### **Resources Planning**

1. Crew size: \_\_\_\_\_ Production goals: \_\_\_\_\_

2. Equipment types: \_\_\_\_\_

3. Special needs information: \_\_\_\_\_

4. Lead times for special pieces: \_\_\_\_\_

5. List of materials reviewed by team: \_\_\_\_\_

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6. Take off done or review by Foreman: \_\_\_\_\_

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7. Can multiple crews be completing work simultaneous of each other: \_\_\_\_\_

8. Who is the competent person: \_\_\_\_\_ Log Available: \_\_\_\_\_

9. Special planning or coordination required prior to construction: \_\_\_\_\_

10. Notify Engineer, plumbing, fire protection subs of location information: \_\_\_\_\_

\_\_\_\_\_  
(required on RL drawings)

**Permits, Permitting, Inspection**

1. Has the local agency(ies) been notified of project: \_\_\_\_\_
2. Are there additional permits required: \_\_\_\_\_  
Storm Water Connection / Tap: \_\_\_\_\_  
Sanitary Tap: \_\_\_\_\_  
Waterline Tap: \_\_\_\_\_  
Hydrant Meter: \_\_\_\_\_  
EPA Permit to Install: \_\_\_\_\_  
NPEDES Permit: \_\_\_\_\_
3. Do we have the contact names and numbers gathered and posted: \_\_\_\_\_
4. Do we have special notification requirements: \_\_\_\_\_

**Drainage**

1. Should site be dewatered prior to start of project: \_\_\_\_\_  
Types of Dewatering  
Deep Wells: \_\_\_\_\_  
Well Points: \_\_\_\_\_  
Sumps / Standpipes: \_\_\_\_\_
2. At what level is the existing water table: \_\_\_\_\_

Utility Installation

**General**

1. Can multiple crews be installing lines independent of each other: \_\_\_\_\_
2. Is material Readily Available:  
Water: \_\_\_\_\_  
Sanitary: \_\_\_\_\_  
Storm: \_\_\_\_\_

3. What is the longest lead time item(s): \_\_\_\_\_

a. Are alternatives available: \_\_\_\_\_

4. Can all work be done consecutively: \_\_\_\_\_

### Sanitary Sewer Installation

#### **Resources Planning**

1. Crew size: \_\_\_\_\_ Production goals: \_\_\_\_\_

2. Equipment types: \_\_\_\_\_

3. Special needs information: TESTING & CLEANUP \_\_\_\_\_

4. Lead times for special pieces: \_\_\_\_\_

5. List of materials reviewed by team: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

6. Take off done or review by Foreman: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

7. Can multiple crews be completing work simultaneous of each other: \_\_\_\_\_

8. Is the deepest line on the site ready to go first: \_\_\_\_\_

9. Is the new line tying into an existing line: \_\_\_\_\_

10. If into a manhole

Outside connection or inside: \_\_\_\_\_

Is confined space entry permit and equipment required for tie-in: \_\_\_\_\_

Can tie in be done at periods of lower flow: \_\_\_\_\_

Is by-pass pumping required: \_\_\_\_\_

GPM required: \_\_\_\_\_

Continuous duty or interval: \_\_\_\_\_

11. Evaluation of site specific safety measures including:

Ventilation: \_\_\_\_\_

Existing trenches running parallel / adjacent to ours: \_\_\_\_\_

Trench Boxes and shoring required: \_\_\_\_\_

Excavation >20' deep engineered: \_\_\_\_\_

Low pressure testing with air balls: \_\_\_\_\_

Vibration from traffic and equipment: \_\_\_\_\_

12. Have all sewers been identified for protection or utilization: \_\_\_\_\_

### Waterline Installation

#### **Resources Planning**

1. Crew size: \_\_\_\_\_ Production goals: \_\_\_\_\_

2. Equipment types: \_\_\_\_\_

3. Special needs information: \_\_\_\_\_

4. Lead times for special pieces: \_\_\_\_\_

5. List of materials reviewed by team: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

6. Take off done or review by Foreman: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

7. Can multiple crews be completing work simultaneous of each other: \_\_\_\_\_

8. Is the new line tying into an existing line: \_\_\_\_\_

a) Has existing diameter been verified: \_\_\_\_\_

b) Adequate couplers available: \_\_\_\_\_

c) Shut down or live tap: \_\_\_\_\_

d) If tying into a dead end, is existing restrained: \_\_\_\_\_

9. Are the domestic waterline and fire waterline separate connections: \_\_\_\_\_

10. Evaluating of site specific safety measures including:

a) Trench Box and shoring plan required: \_\_\_\_\_

b) Thrust Blocking and joint restraining: \_\_\_\_\_

c) Does existing soil require more: \_\_\_\_\_

d) Existing lines' condition and preservation: \_\_\_\_\_

e) Have we requested reduction of existing line pressures: \_\_\_\_\_

f) Emergency Shut-off / notification procedures: \_\_\_\_\_

11. Largest structure requires lift of \_\_\_\_\_ tons

a) Do we have proper lifting devices / rigging: \_\_\_\_\_

12. Does testing require concentrated chlorine discharge: \_\_\_\_\_

13. Sampling requirements and timing thereof: \_\_\_\_\_

### Storm Sewer Installation

#### **Resources Planning**

1. Crew size: \_\_\_\_\_ Production goals: \_\_\_\_\_

2. Equipment types: \_\_\_\_\_

3. Special needs information: \_\_\_\_\_

4. Lead times for special pieces: \_\_\_\_\_

5. List of materials reviewed by team: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

6. Take off done or review by Foreman: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



7. Can multiple crews be completing work simultaneous of each other: \_\_\_\_\_

8. Is the new line tying into an existing line: \_\_\_\_\_

a) Does existing line fill completely during heavy rains: \_\_\_\_\_

b) Is outlet of system unrestricted: \_\_\_\_\_

c) Does Existing line service other areas prone to flooding: \_\_\_\_\_

8. Evaluation of site specific safety measures including: \_\_\_\_\_

a) Trench Box and shoring plan required: \_\_\_\_\_

b) Flash Flooding possibility: \_\_\_\_\_

c) Existing lines' condition and preservation: \_\_\_\_\_

d) Ventilation and air monitoring: \_\_\_\_\_

9. Does new installation require grouting of any interior joints after installation: \_\_\_\_\_

10. Final adjustments to take place before / after paving: \_\_\_\_\_

11. Largest structure requires lift of \_\_\_\_\_ tons

a) Do we have proper lifting devices / rigging: \_\_\_\_\_

12. Bypass Pumping Required: \_\_\_\_\_

**Any Additional Comments:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_